

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092418\
 Data File : VD060079.D
 Acq On : 24 Sep 2018 13:51
 Operator : VA/AP
 Sample : VD0924SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 24 15:01:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1571948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.41	114	2199965	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.26	117	1752807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	946425	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	648413	52.90	ug/l	-0.01
Spiked Amount			Recovery	=	105.80%	
35) Dibromofluoromethane	6.29	113	892774	51.94	ug/l	-0.01
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	9.42	98	2470945	51.88	ug/l	-0.01
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.41	95	966147	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	295945	17.835	ug/l	99
3) Chloromethane	1.74	50	325283	22.193	ug/l	97
4) Vinyl Chloride	1.83	62	254315	21.584	ug/l	99
5) Bromomethane	2.11	94	20949	15.020	ug/l	84
6) Chloroethane	2.22	64	54347	20.631	ug/l	95
7) Trichlorofluoromethane	2.48	101	266107	20.513	ug/l	98
8) Diethyl Ether	2.79	74	61440	22.280	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.05	101	189148	23.123	ug/l	97
10) Methyl Iodide	3.21	142	174679	20.162	ug/l	95
11) Tert butyl alcohol	3.94	59	95012	96.054	ug/l	99
12) 1,1-Dichloroethene	3.04	96	152066	23.511	ug/l	97
13) Acrolein	2.95	56	49418	80.677	ug/l	95
14) Allyl chloride	3.50	41	316553	23.207	ug/l	98
15) Acrylonitrile	4.05	53	413995	110.879	ug/l	98
16) Acetone	3.13	43	298753	126.229	ug/l	99
17) Carbon Disulfide	3.27	76	472510	21.203	ug/l	99
18) Methyl Acetate	3.52	43	116569	24.218	ug/l	98
19) Methyl tert-butyl Ether	4.09	73	661590	22.138	ug/l	99
20) Methylene Chloride	3.68	84	412662	20.210	ug/l	98
21) trans-1,2-Dichloroethene	4.06	96	370828	21.848	ug/l	99
22) Diisopropyl ether	4.82	45	1348809	21.678	ug/l	98
23) Vinyl Acetate	4.77	43	3898829	110.607	ug/l	98
24) 1,1-Dichloroethane	4.72	63	596306	21.356	ug/l	100
25) 2-Butanone	5.59	43	815499	127.688	ug/l	100
26) 2,2-Dichloropropane	5.55	77	477965	22.018	ug/l	100
27) cis-1,2-Dichloroethene	5.56	96	397825	22.407	ug/l	100
28) Bromochloromethane	5.89	49	283687	21.137	ug/l	98
29) Tetrahydrofuran	5.92	42	361223	105.464	ug/l	100
30) Chloroform	6.07	83	623718	22.027	ug/l	98
31) Cyclohexane	6.33	56	564414	20.732	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	510607	21.742	ug/l	99
36) 1,1-Dichloropropene	6.49	75	463692	21.218	ug/l	97
37) Ethyl Acetate	5.67	43	317812	21.148	ug/l	99
38) Carbon Tetrachloride	6.46	117	420935	20.634	ug/l	98

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 24 15:01:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	528676	21.386	ug/l	99
40) Benzene	6.76	78	1190939	21.382	ug/l	100
41) Methacrylonitrile	5.92	41	356428	45.284	ug/l #	77
42) 1,2-Dichloroethane	6.87	62	346697	20.730	ug/l	100
43) Isopropyl Acetate	8.32	43	405890	20.172	ug/l	96
44) Trichloroethene	7.71	130	363707	21.135	ug/l	99
45) 1,2-Dichloropropane	8.08	63	316824	21.272	ug/l	96
46) Dibromomethane	8.18	93	207209	21.323	ug/l	97
47) Bromodichloromethane	8.46	83	441354	21.066	ug/l	100
48) Methyl methacrylate	8.21	41	235734	21.036	ug/l	98
49) 1,4-Dioxane	8.20	88	46926	421.602	ug/l	97
51) 4-Methyl-2-Pentanone	9.32	43	1671795	114.446	ug/l	98
52) Toluene	9.52	92	786156	22.020	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	413566	21.164	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	491730	21.062	ug/l	100
55) 1,1,2-Trichloroethane	10.15	97	255300	20.596	ug/l	97
56) Ethyl methacrylate	10.01	69	285252	20.747	ug/l	99
57) 1,3-Dichloropropane	10.36	76	385632	21.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.89	63	689360	103.830	ug/l	97
59) 2-Hexanone	10.47	43	1244215	118.979	ug/l	100
60) Dibromochloromethane	10.62	129	317335	21.033	ug/l	99
61) 1,2-Dibromoethane	10.73	107	275929	21.560	ug/l	95
64) Tetrachloroethene	10.23	164	341116	22.057	ug/l	98
65) Chlorobenzene	11.29	112	864131	22.931	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.40	131	293771	23.113	ug/l	98
67) Ethyl Benzene	11.41	91	1450404	23.916	ug/l	98
68) m/p-Xylenes	11.55	106	1084723	48.430	ug/l	99
69) o-Xylene	11.91	106	512868	23.110	ug/l	96
70) Styrene	11.94	104	883508	23.677	ug/l	100
71) Bromoform	12.10	173	224718	20.578	ug/l	100
73) Isopropylbenzene	12.26	105	1418050	22.846	ug/l	99
74) N-amyl acetate	12.12	43	539394	21.938	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.54	83	318772	22.638	ug/l	98
76) 1,2,3-Trichloropropane	12.58	75	301244	20.841	ug/l	100
77) Bromobenzene	12.52	156	401921	22.479	ug/l	97
78) n-propylbenzene	12.62	91	1796245	23.012	ug/l	98
79) 2-Chlorotoluene	12.69	91	998204	22.658	ug/l	100
80) 1,3,5-Trimethylbenzene	12.78	105	1149945	24.171	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	87115	19.965	ug/l	94
82) 4-Chlorotoluene	12.79	91	1132162	23.374	ug/l	98
83) tert-Butylbenzene	13.04	119	1259357	22.849	ug/l	99
84) 1,2,4-Trimethylbenzene	13.08	105	1151839	22.688	ug/l	98
85) sec-Butylbenzene	13.20	105	1515064	23.157	ug/l	99
86) p-Isopropyltoluene	13.33	119	1239982	23.433	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	705718	22.697	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	710128	22.517	ug/l	98
89) n-Butylbenzene	13.64	91	1203974	21.146	ug/l	98
90) Hexachloroethane	13.84	117	275279	21.003	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	608683	21.273	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	40006	18.637	ug/l	62

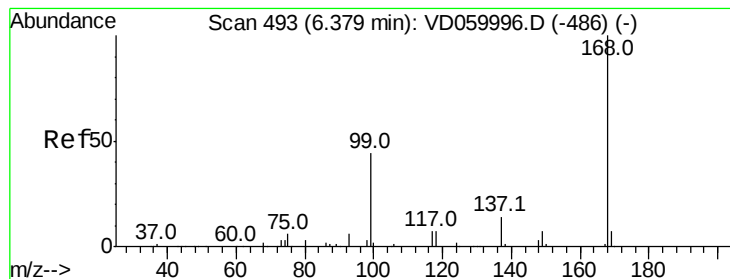
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092418\
Data File : VD060079.D
Acq On : 24 Sep 2018 13:51
Operator : VA/AP
Sample : VD0924SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Sep 24 15:01:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	494453	22.316	ug/l	100
94) Hexachlorobutadiene	14.87	225	322412	21.997	ug/l	99
95) Naphthalene	14.96	128	733505	21.436	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	418291	21.422	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

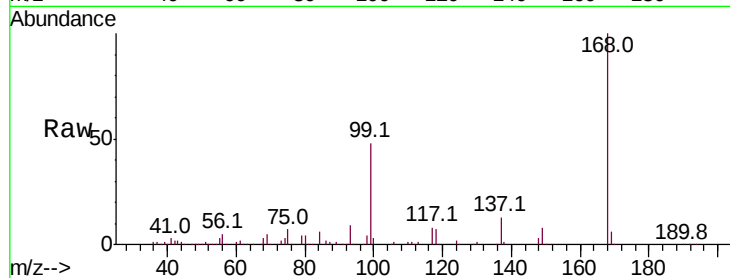
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1571948

Ion Ratio Lower Upper

168 100

99 48.0 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

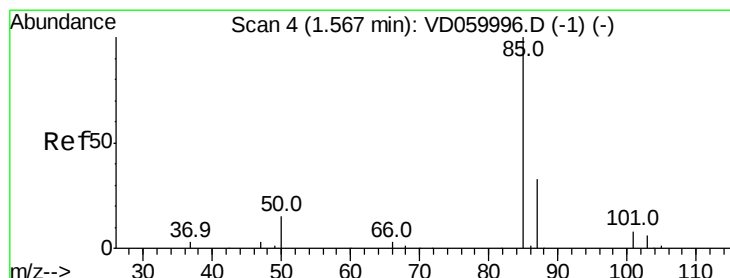
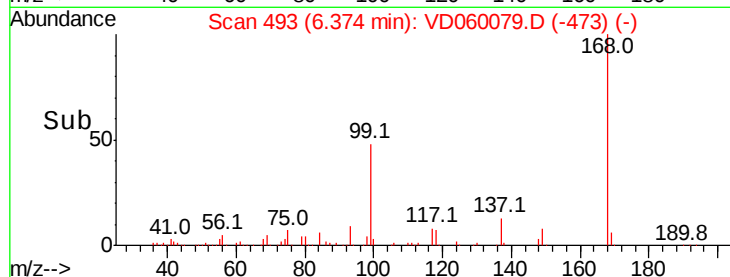
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.835 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.00 min

Lab File: VD060079.D

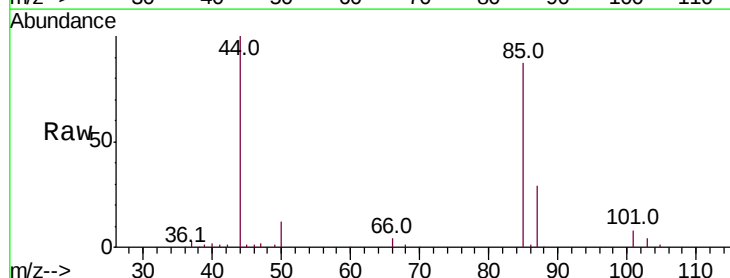
Acq: 24 Sep 2018 13:51

Tgt Ion: 85 Resp: 295945

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

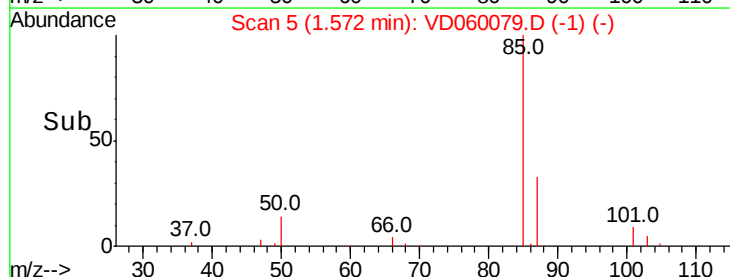
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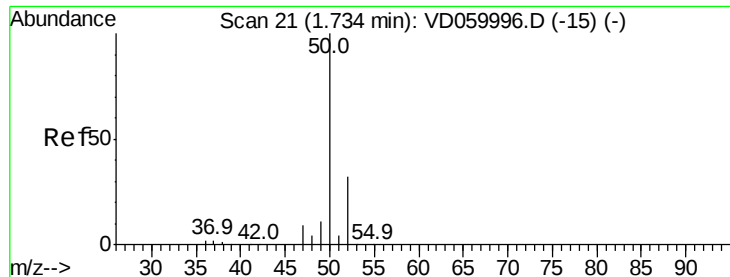
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20000

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Time-->

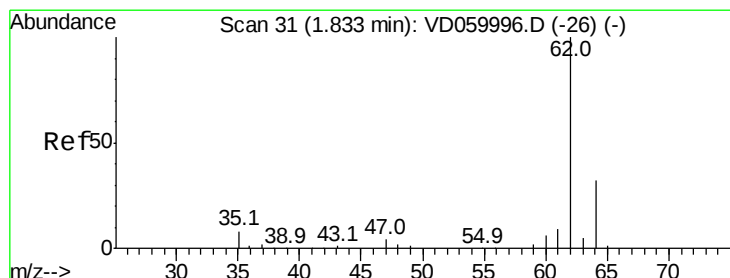
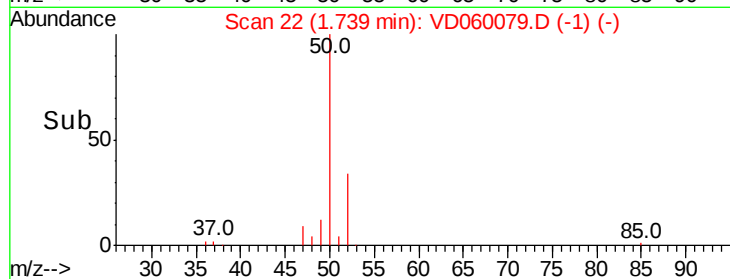
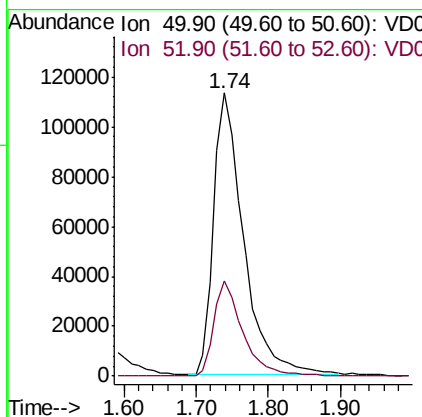
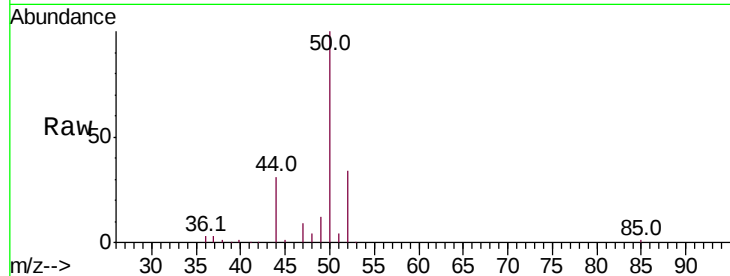




#3
Chloromethane
Concen: 22.193 ug/l
RT: 1.74 min Scan# 22
Delta R.T. 0.00 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

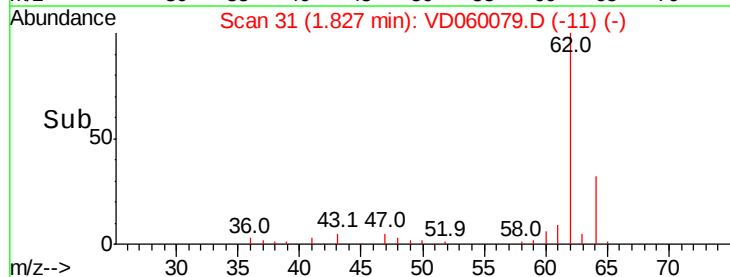
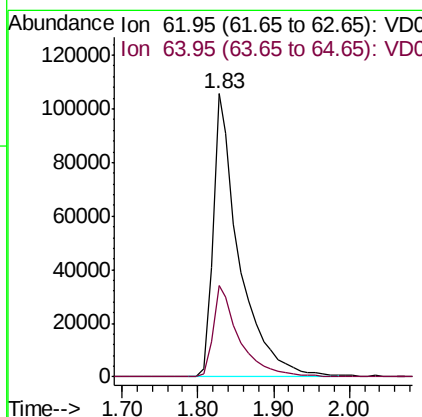
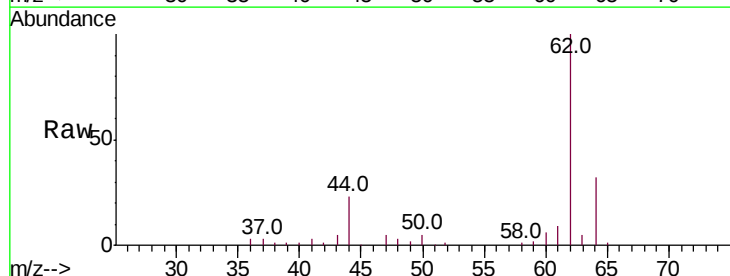
Instrument :
MSVOA_D
ClientSampleId :

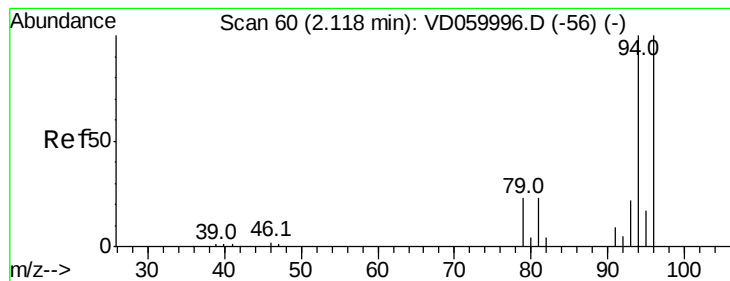
Tot Ion: 50 Resp: 325283
Ion Ratio Lower Upper
50 100
52 33.6 25.4 38.2



#4
Vinyl Chloride
Concen: 21.584 ug/l
RT: 1.83 min Scan# 31
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 62 Resp: 254315
Ion Ratio Lower Upper
62 100
64 32.2 25.5 38.3





#5

Bromomethane

Concen: 15.020 ug/l

RT: 2.11 min Scan# 60

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

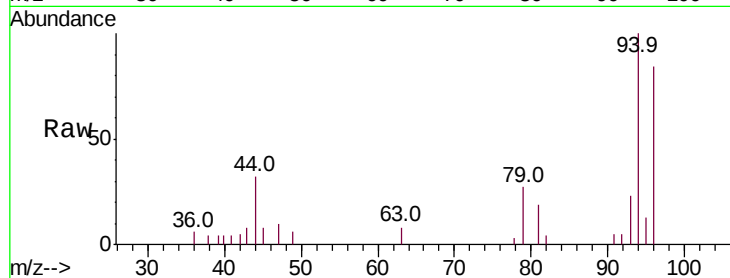
ClientSampled :

Tot Ion: 94 Resp: 20949

Ion Ratio Lower Upper

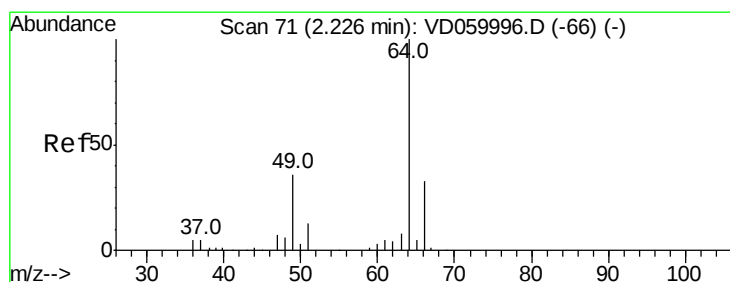
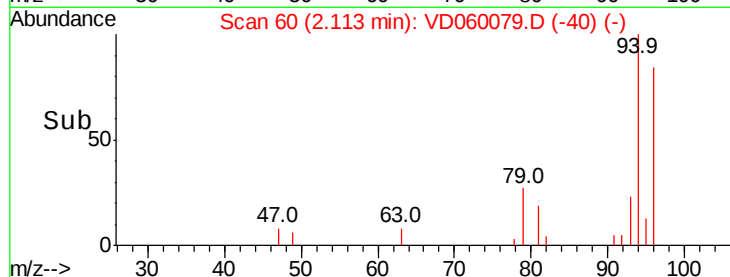
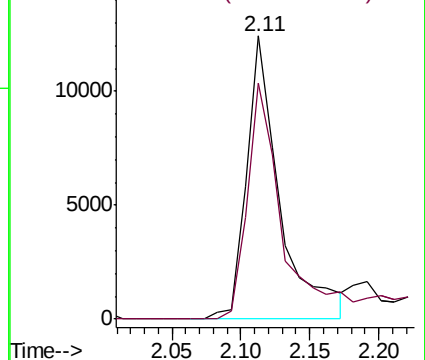
94 100

96 83.5 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.631 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD060079.D

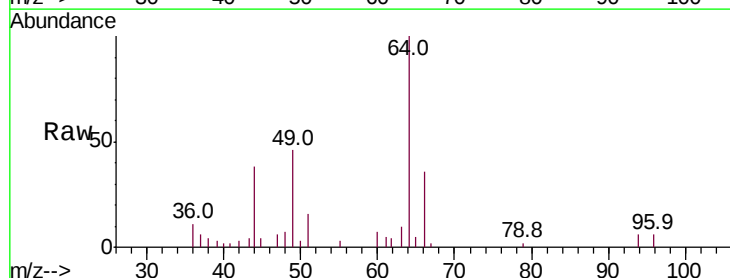
Acq: 24 Sep 2018 13:51

Tgt Ion: 64 Resp: 54347

Ion Ratio Lower Upper

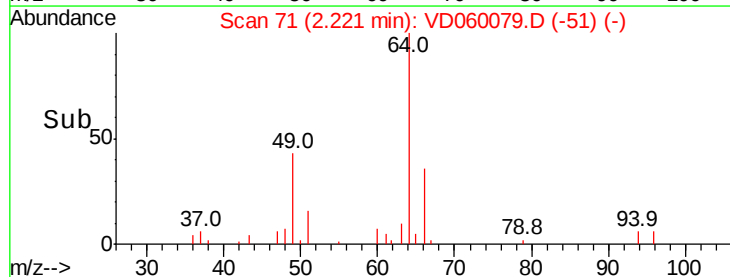
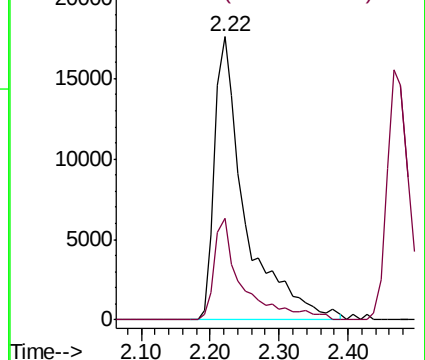
64 100

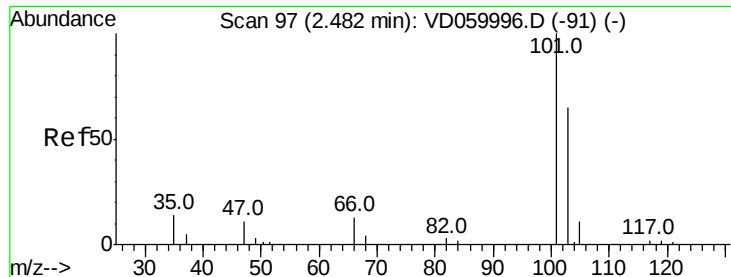
66 35.7 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



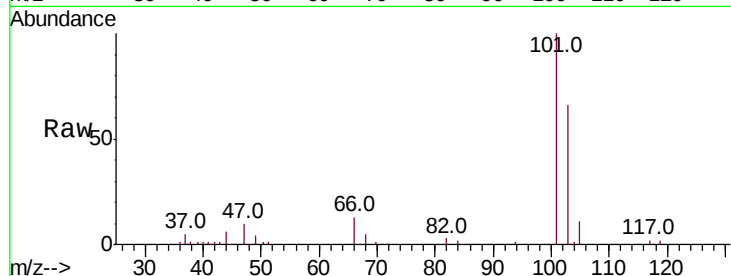


#7

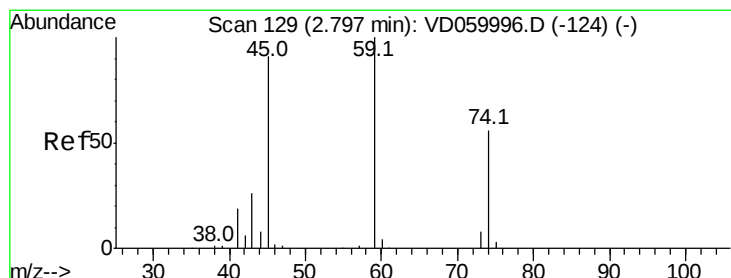
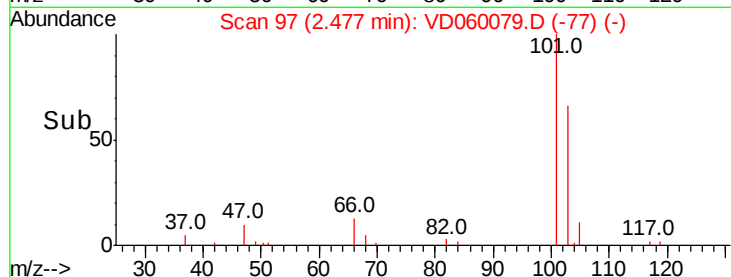
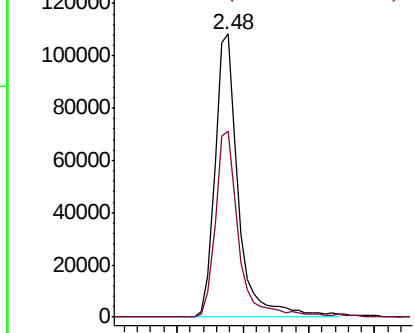
Trichlorofluoromethane
 Concen: 20.513 ug/l
 RT: 2.48 min Scan# 97
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 266107
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.6 77.4



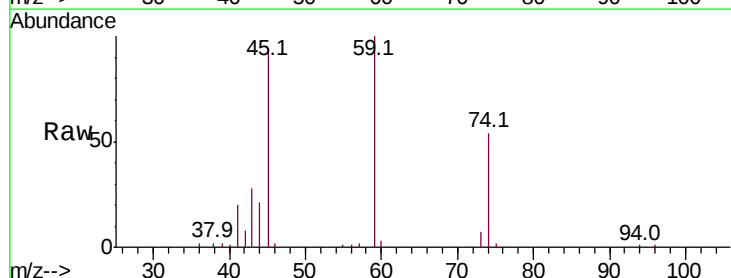
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



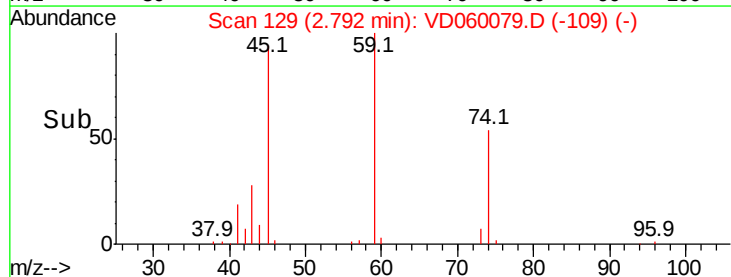
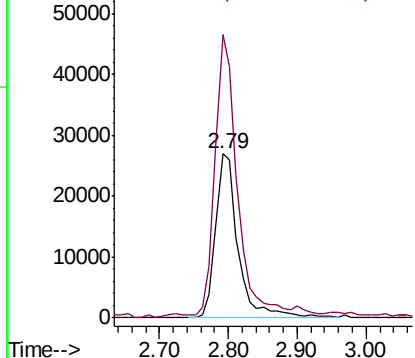
#8

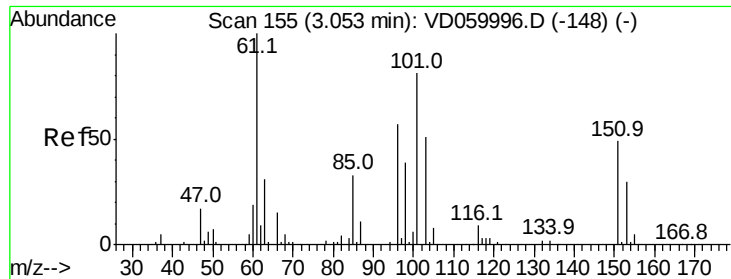
Diethyl Ether
 Concen: 22.280 ug/l
 RT: 2.79 min Scan# 129
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion: 74 Resp: 61440
 Ion Ratio Lower Upper
 74 100
 45 172.5 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.123 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

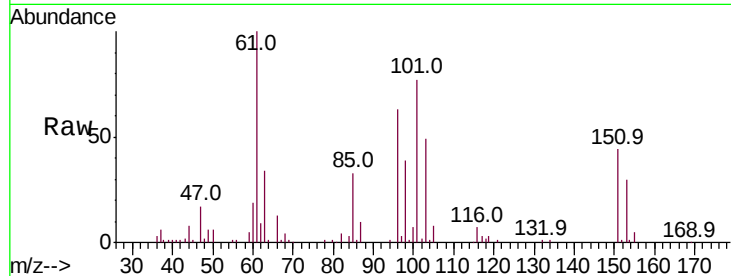
Tot Ion:101 Resp: 189148

Ion Ratio Lower Upper

101 100

85 43.1 33.1 49.7

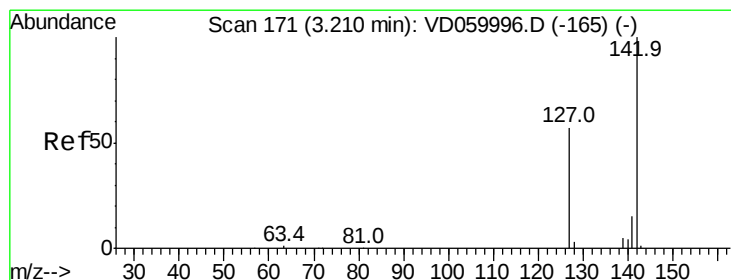
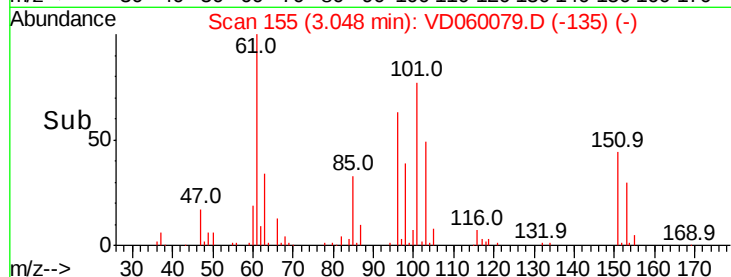
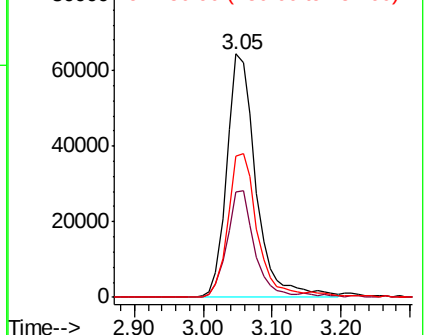
151 57.9 48.2 72.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.162 ug/l

RT: 3.21 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

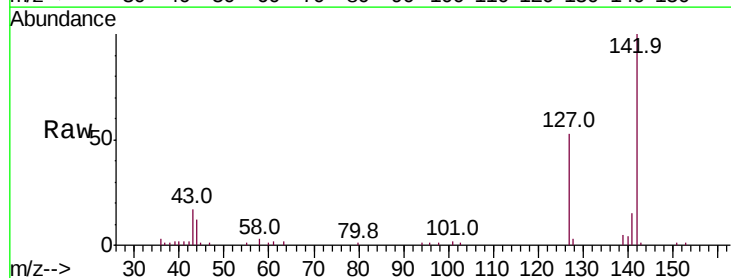
Tgt Ion:142 Resp: 174679

Ion Ratio Lower Upper

142 100

127 52.9 45.8 68.8

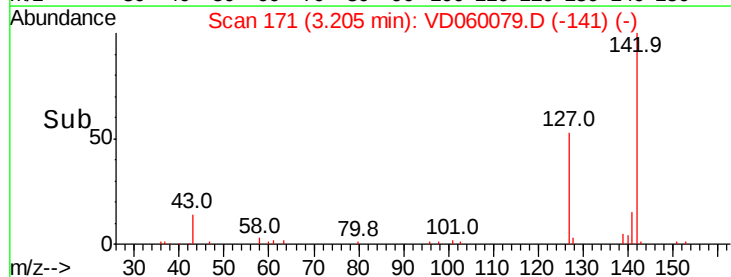
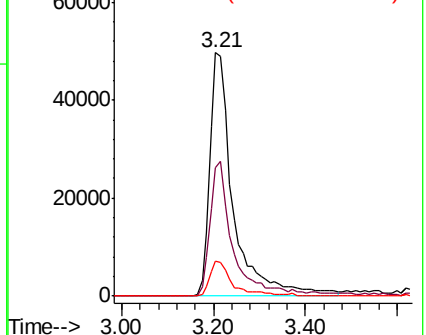
141 14.5 12.2 18.4

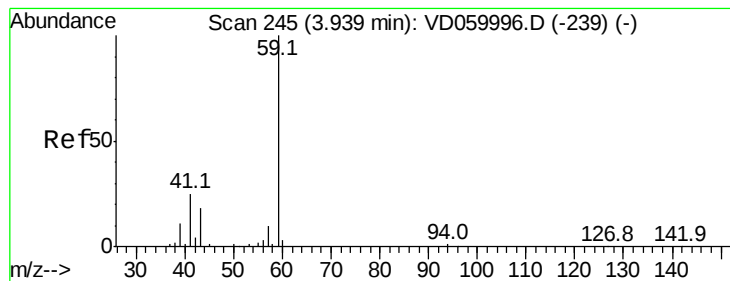


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



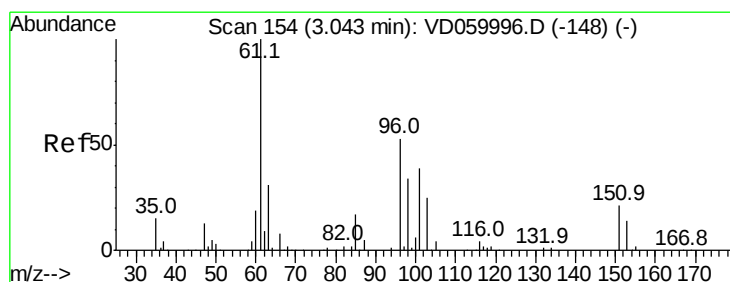
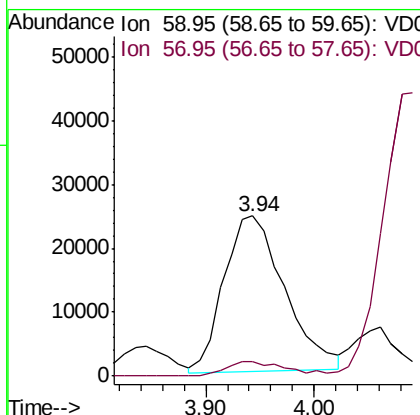
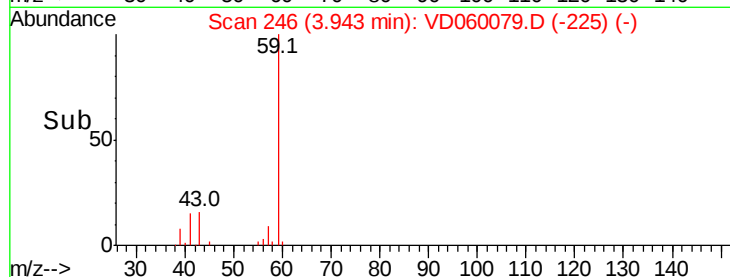
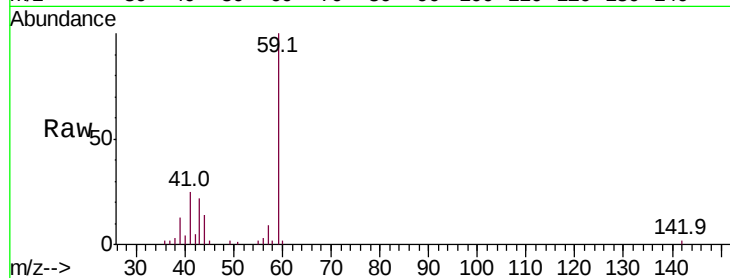


#11

Tert butyl alcohol
Concen: 96.054 ug/l
RT: 3.94 min Scan# 246
Delta R.T. 0.00 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :

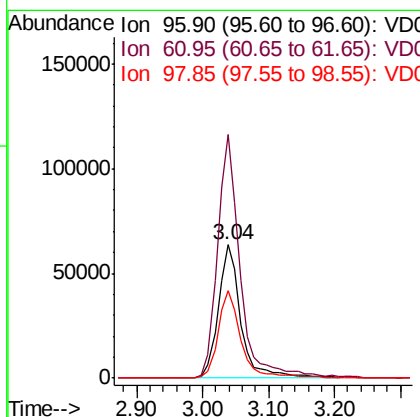
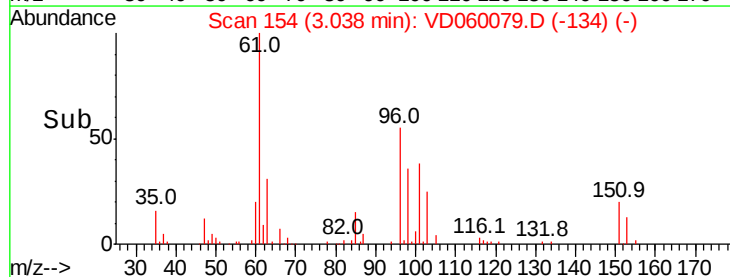
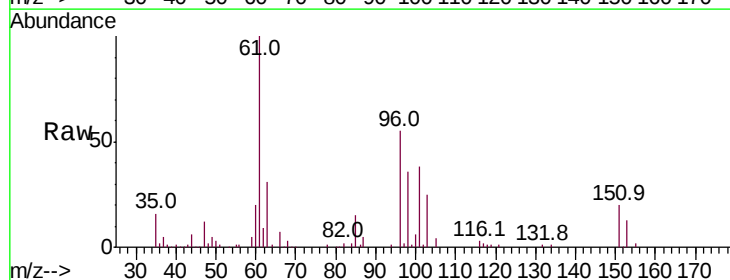
Tot Ion: 59 Resp: 95012
Ion Ratio Lower Upper
59 100
57 8.8 7.4 11.2

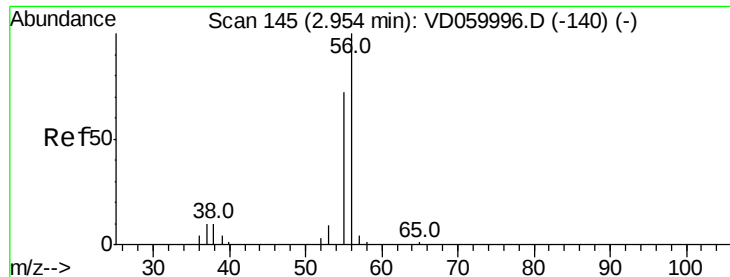


#12

1,1-Dichloroethene
Concen: 23.511 ug/l
RT: 3.04 min Scan# 154
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 96 Resp: 152066
Ion Ratio Lower Upper
96 100
61 183.2 149.8 224.6
98 66.3 50.2 75.4





#13

Acrolein

Concen: 80.677 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

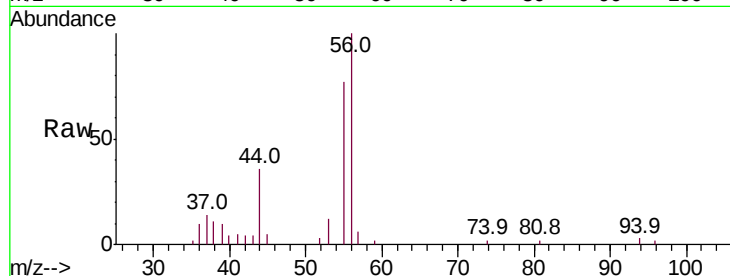
ClientSampleId :

Tot Ion: 56 Resp: 49418

Ion Ratio Lower Upper

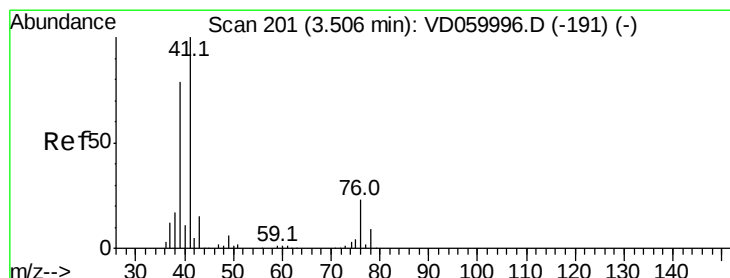
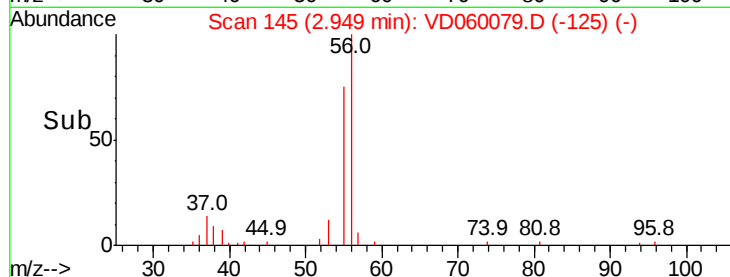
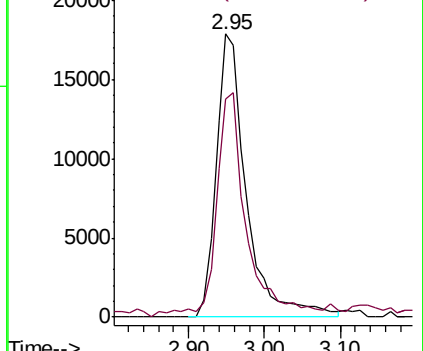
56 100

55 77.2 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 23.207 ug/l

RT: 3.50 min Scan# 201

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

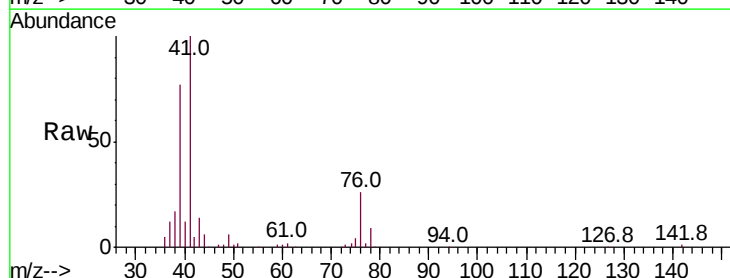
Tgt Ion: 41 Resp: 316553

Ion Ratio Lower Upper

41 100

39 77.3 63.6 95.4

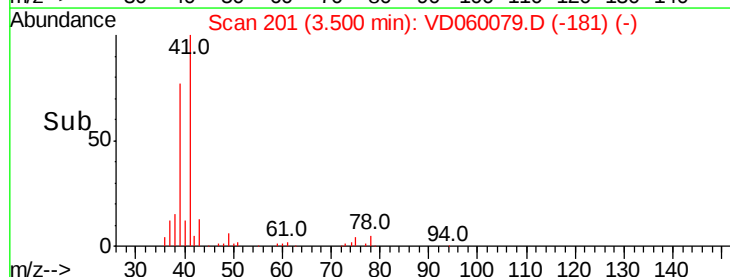
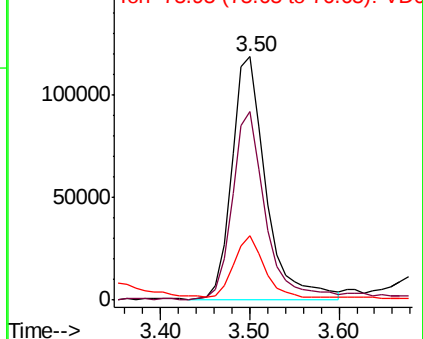
76 26.2 21.1 31.7

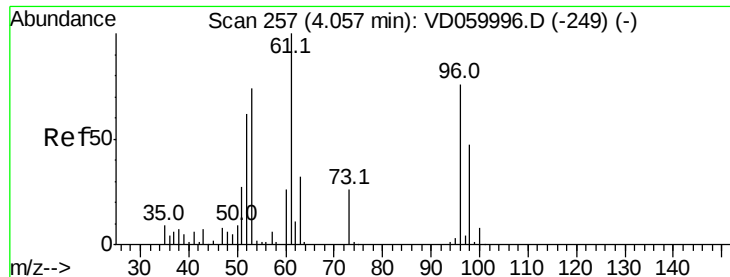


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 110.879 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampled :

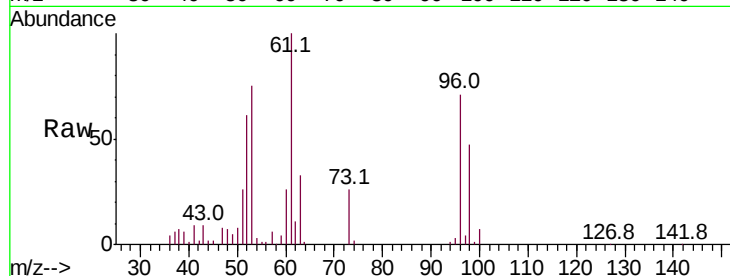
Tot Ion: 53 Resp: 413995

Ion Ratio Lower Upper

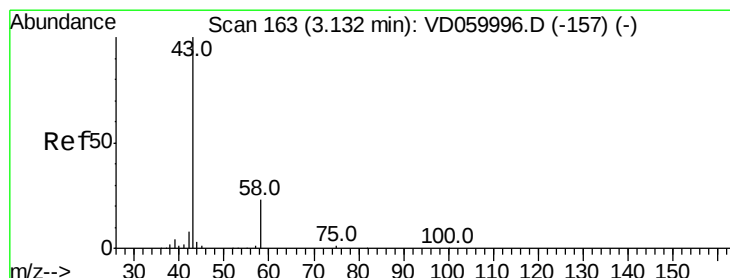
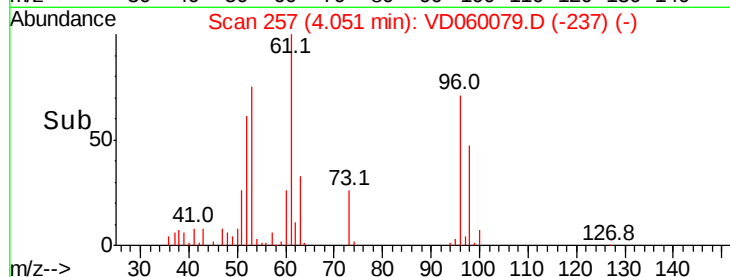
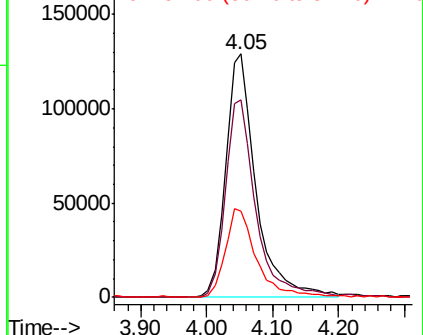
53 100

52 81.1 66.7 100.1

51 35.2 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 126.229 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060079.D

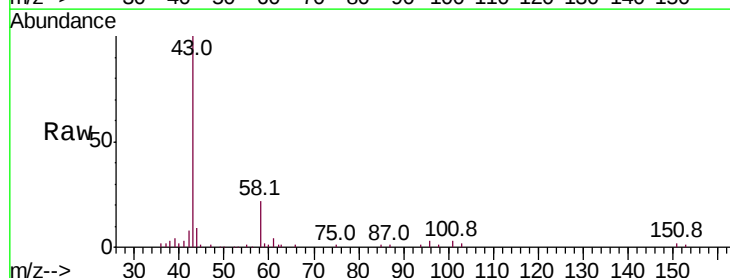
Acq: 24 Sep 2018 13:51

Tgt Ion: 43 Resp: 298753

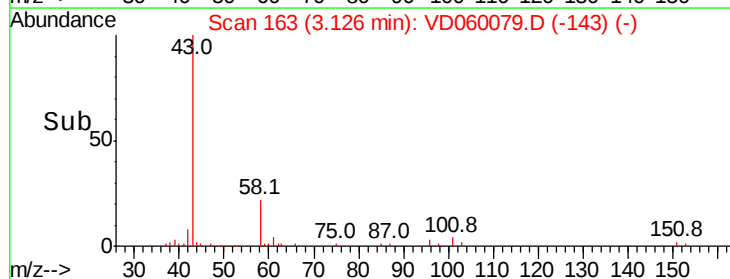
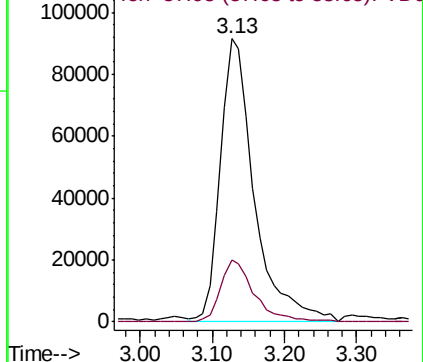
Ion Ratio Lower Upper

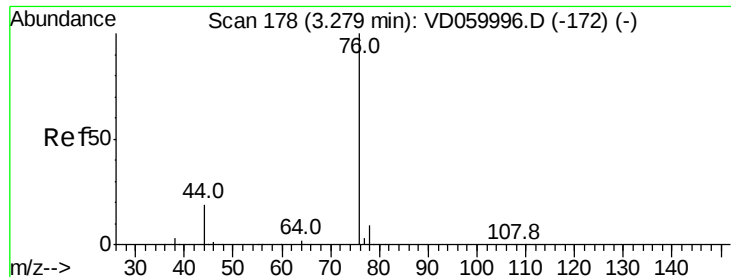
43 100

58 22.0 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

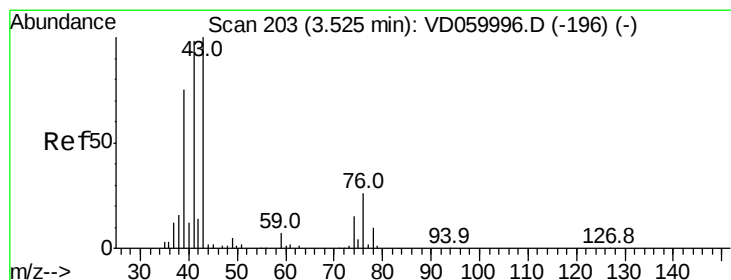
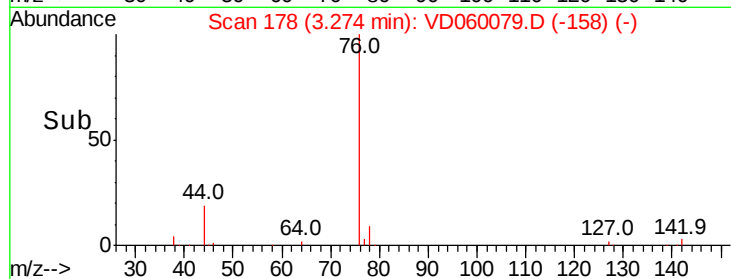
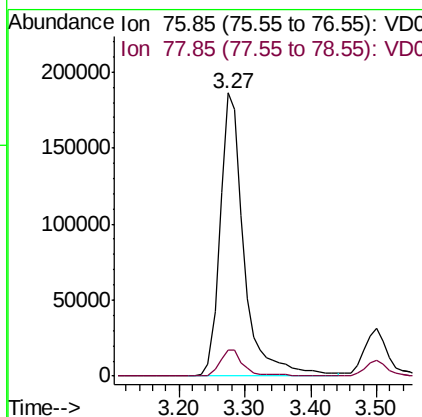
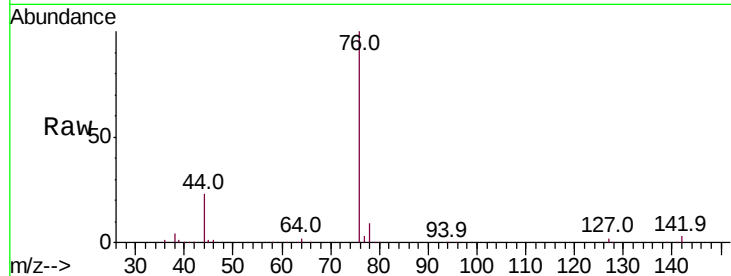




#17
Carbon Disulfide
Concen: 21.203 ug/l
RT: 3.27 min Scan# 178
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

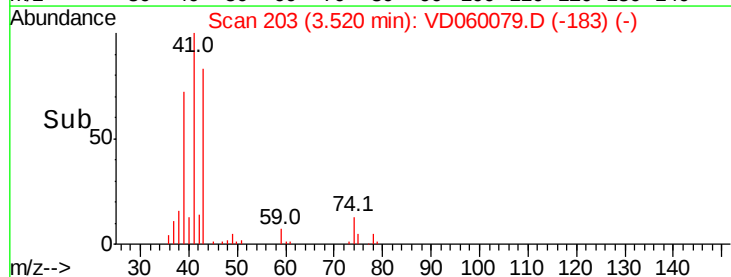
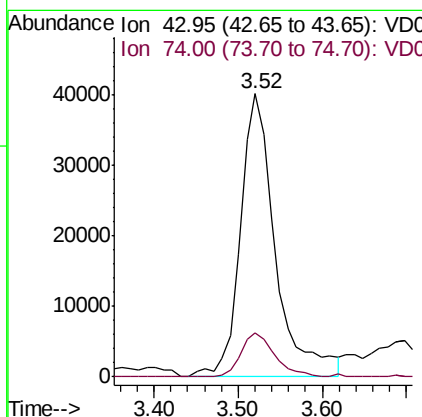
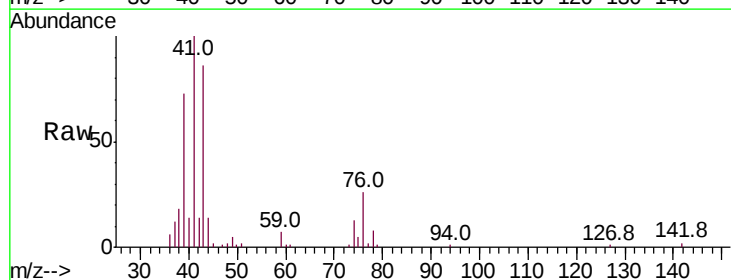
Instrument :
MSVOA_D
ClientSampleId :

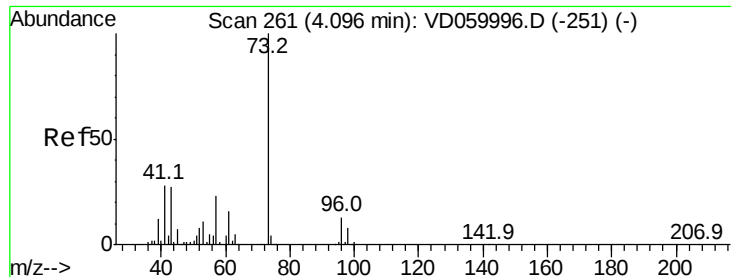
Tot Ion: 76 Resp: 472510
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 24.218 ug/l
RT: 3.52 min Scan# 203
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 43 Resp: 116569
Ion Ratio Lower Upper
43 100
74 15.4 11.8 17.8



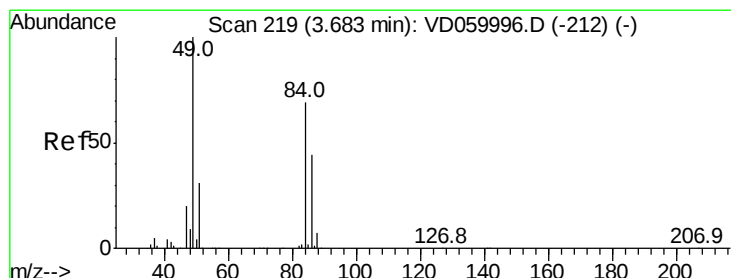
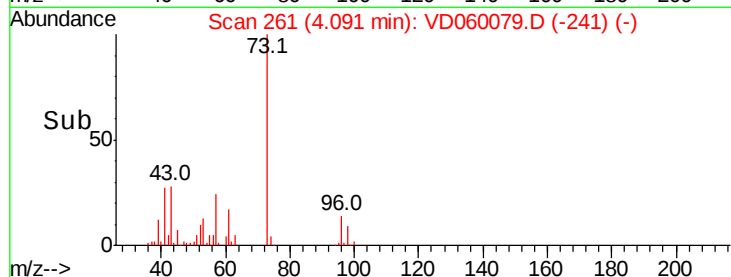
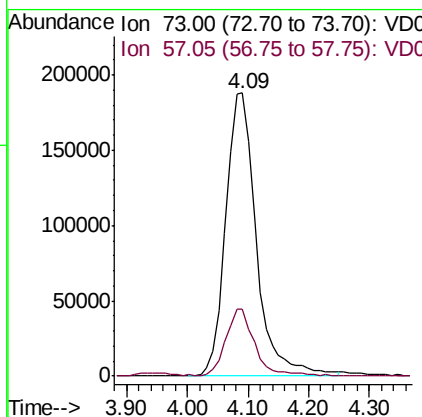
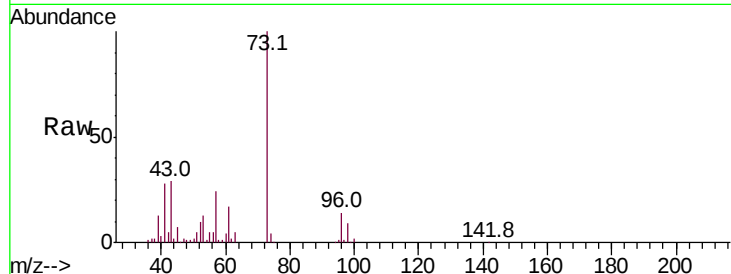


#19

Methyl tert-butyl Ether
 Concen: 22.138 ug/l
 RT: 4.09 min Scan# 261
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :

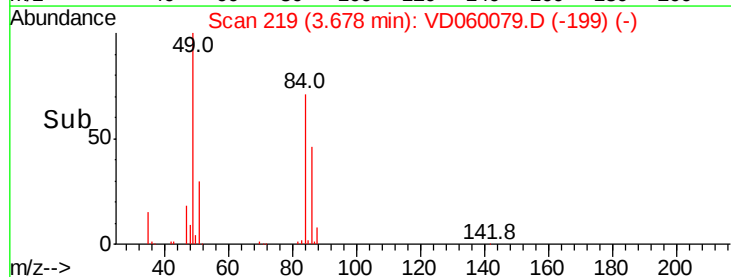
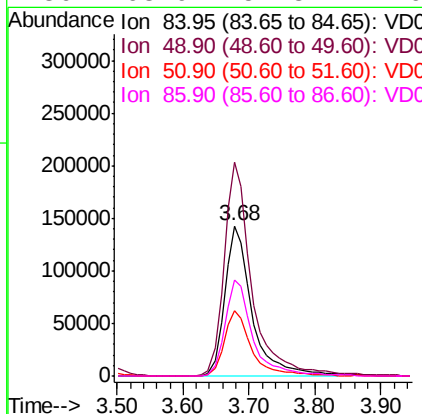
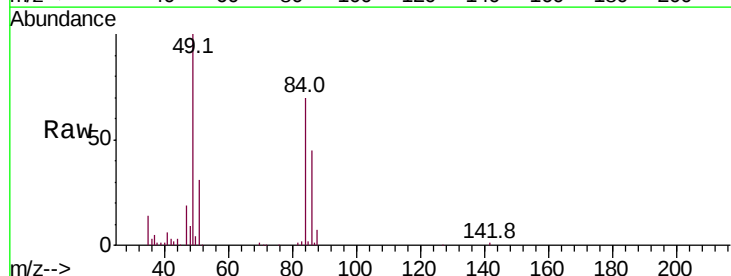
Tot Ion: 73 Resp: 661590
 Ion Ratio Lower Upper
 73 100
 57 23.6 18.4 27.6

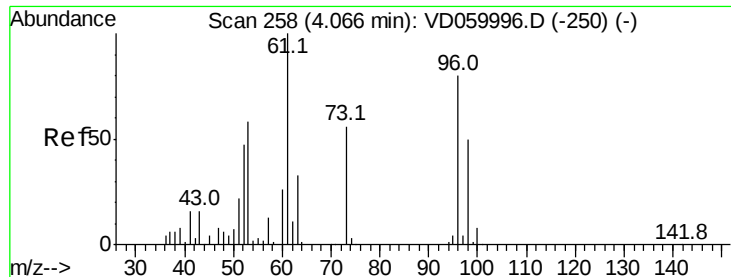


#20

Methylene Chloride
 Concen: 20.210 ug/l
 RT: 3.68 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion: 84 Resp: 412662
 Ion Ratio Lower Upper
 84 100
 49 142.6 116.6 175.0
 51 43.7 35.9 53.9
 86 63.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.848 ug/l

RT: 4.06 min Scan# 258

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :

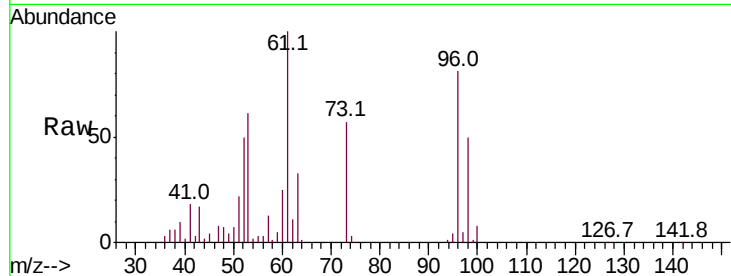
Tot Ion: 96 Resp: 370828

Ion Ratio Lower Upper

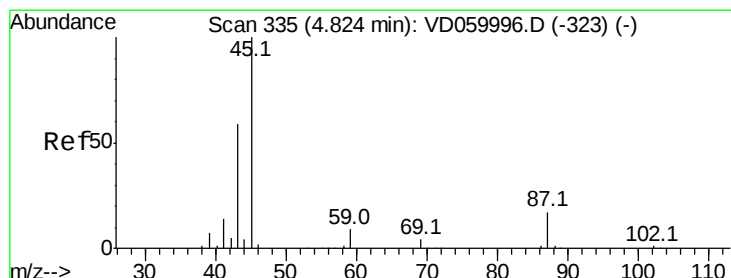
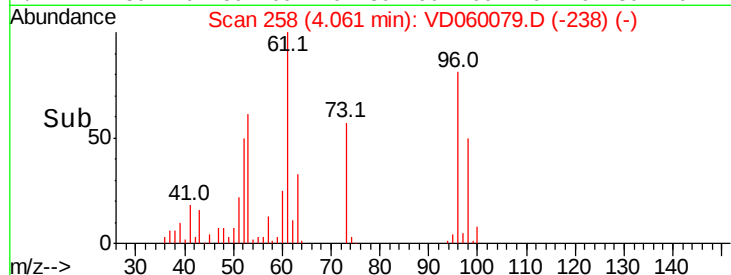
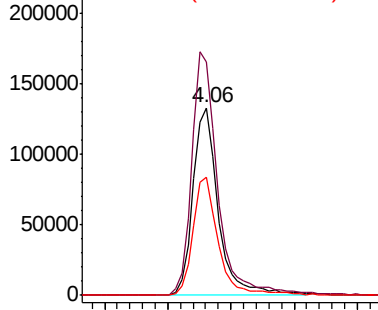
96 100

61 124.0 100.1 150.1

98 62.6 49.5 74.3



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.678 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Tgt Ion: 45 Resp: 1348809

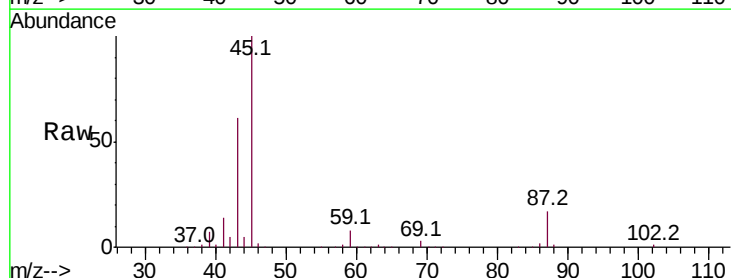
Ion Ratio Lower Upper

45 100

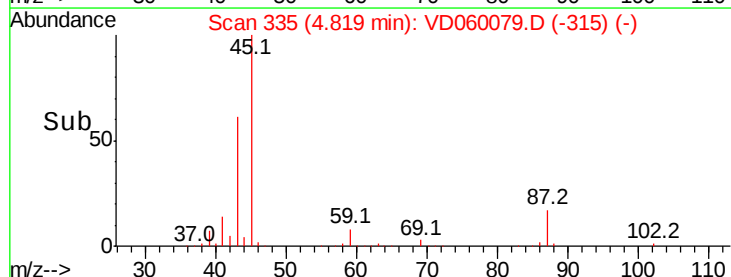
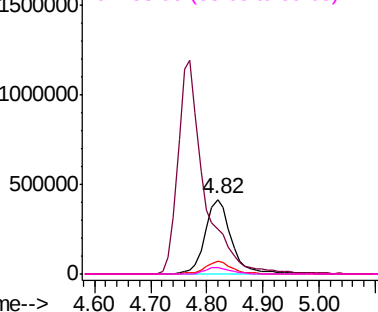
43 60.9 47.1 70.7

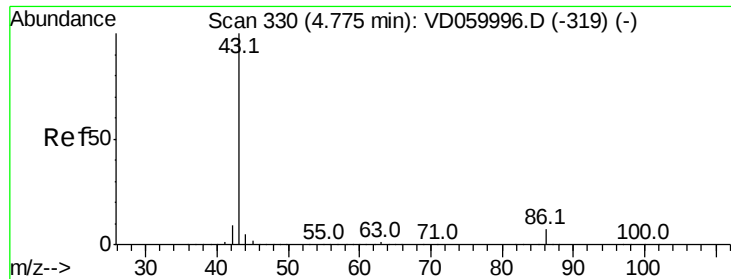
87 16.5 14.2 21.2

59 8.5 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 110.607 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

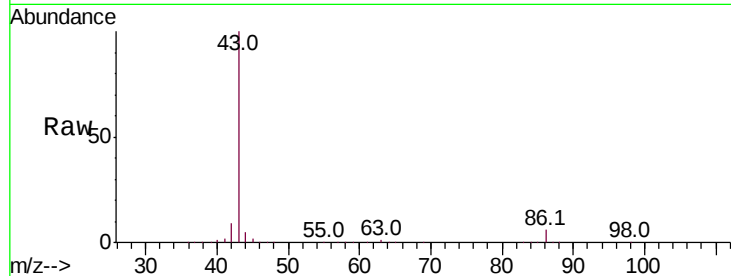
ClientSampled :

Tot Ion: 43 Resp: 3898829

Ion Ratio Lower Upper

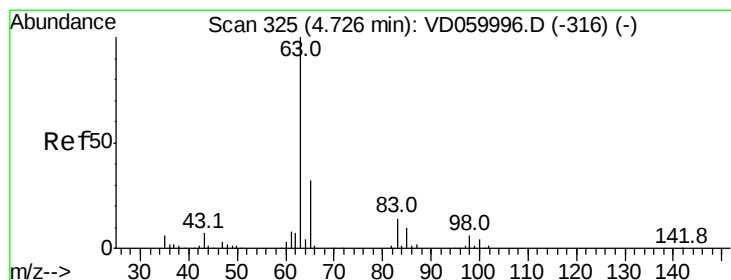
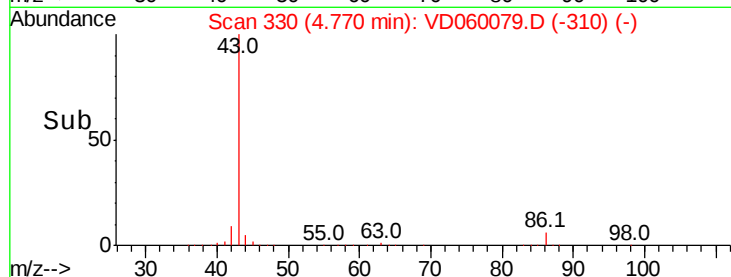
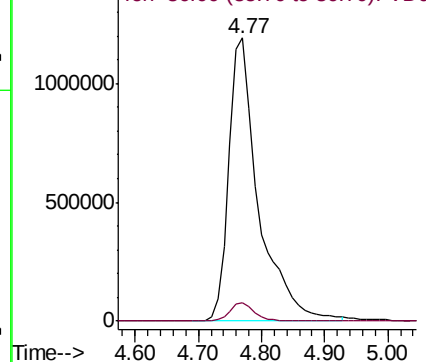
43 100

86 6.3 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.356 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

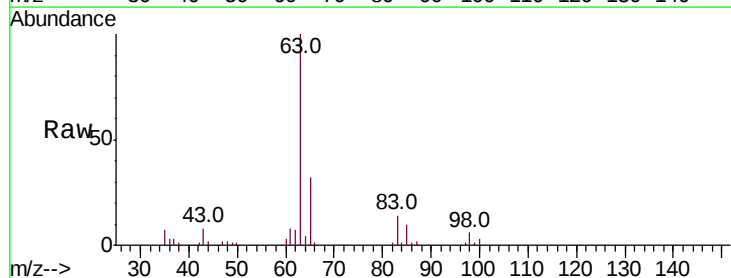
Tgt Ion: 63 Resp: 596306

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

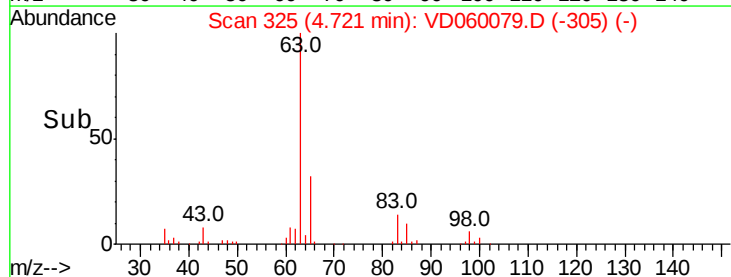
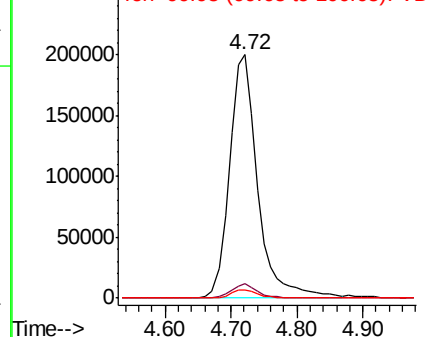
100 3.4 1.8 5.4

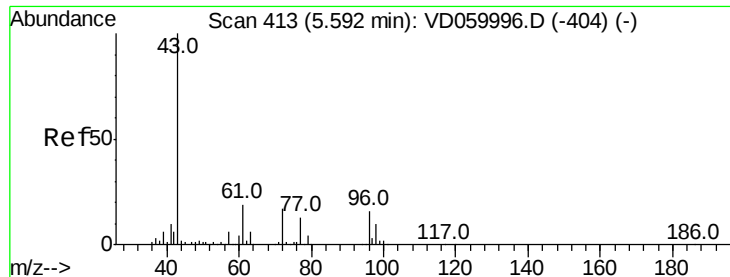


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 127.688 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

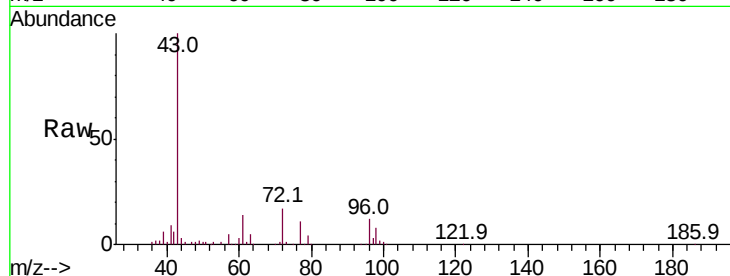
ClientSampled :

Tot Ion: 43 Resp: 815499

Ion Ratio Lower Upper

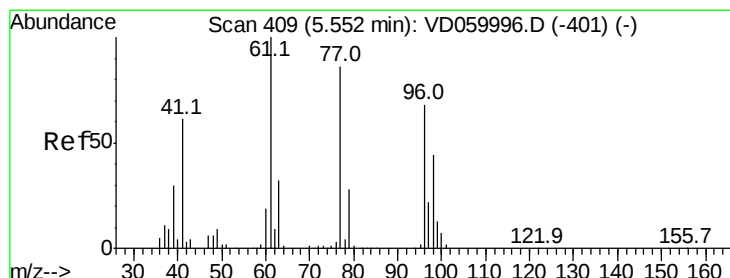
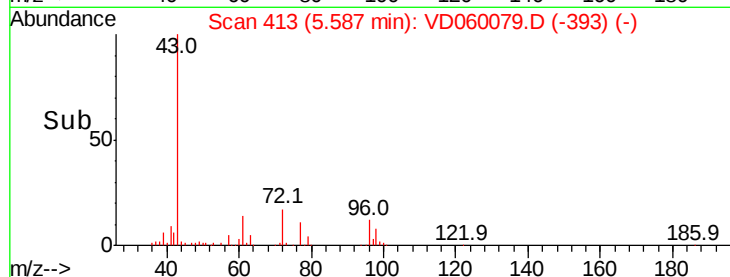
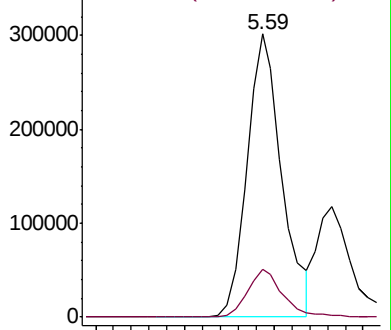
43 100

72 17.1 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.018 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD060079.D

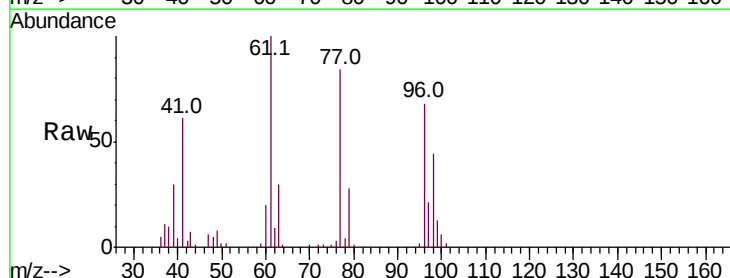
Acq: 24 Sep 2018 13:51

Tgt Ion: 77 Resp: 477965

Ion Ratio Lower Upper

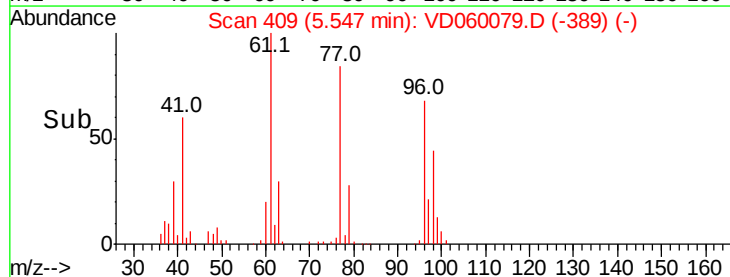
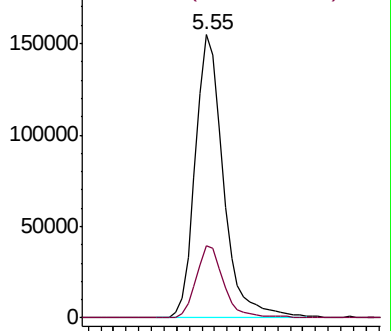
77 100

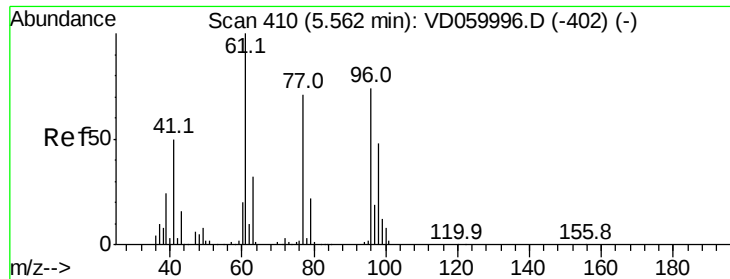
97 25.4 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



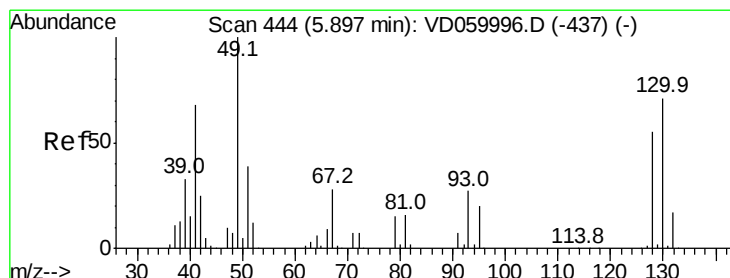
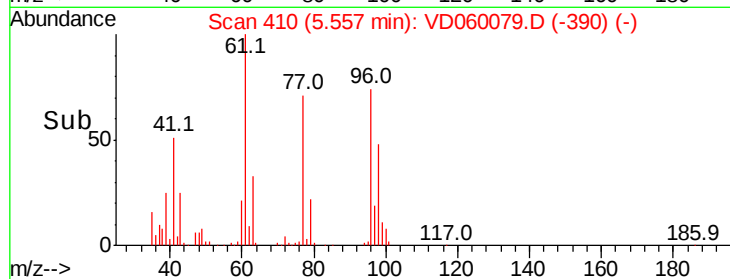
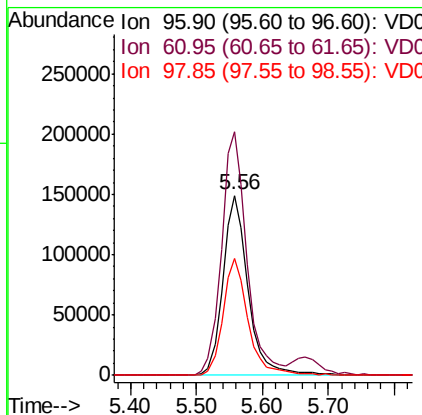
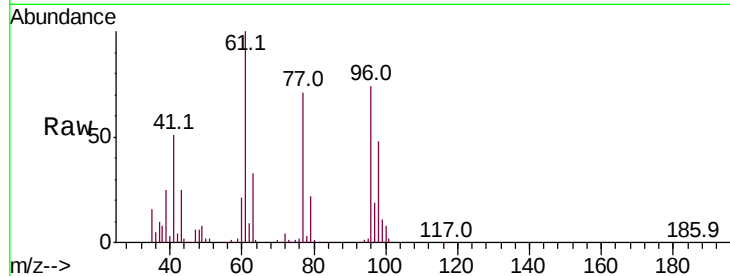


#27

cis-1,2-Dichloroethene
 Concen: 22.407 ug/l
 RT: 5.56 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Instrument :
 MSVOA_D
 ClientSampled :

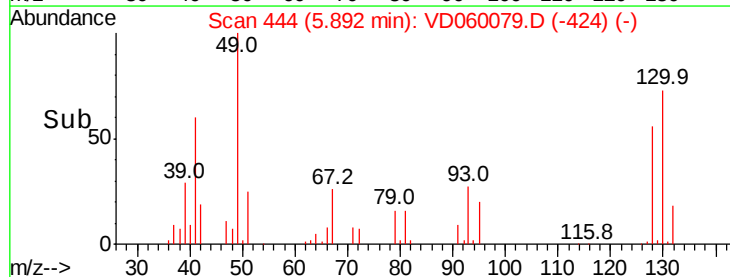
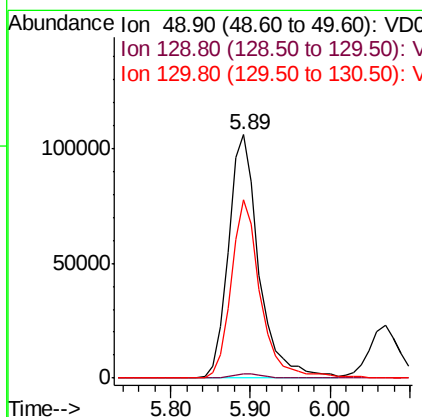
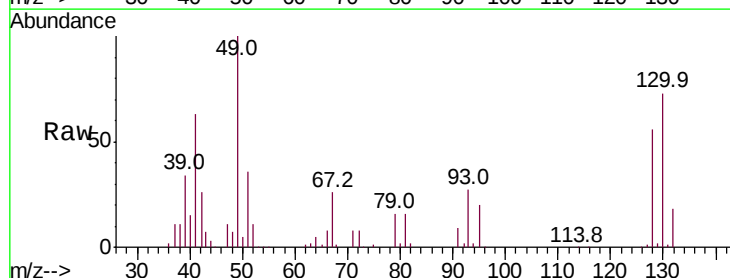
Tot Ion	96	Resp	397825
Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	269.6
98	64.8	0.0	128.4

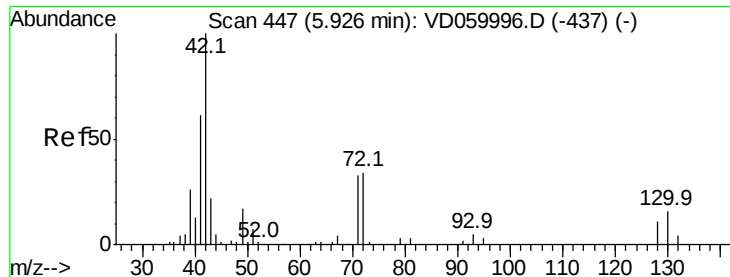


#28

Bromochloromethane
 Concen: 21.137 ug/l
 RT: 5.89 min Scan# 444
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion	49	Resp	283687
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	73.3	57.1	85.7

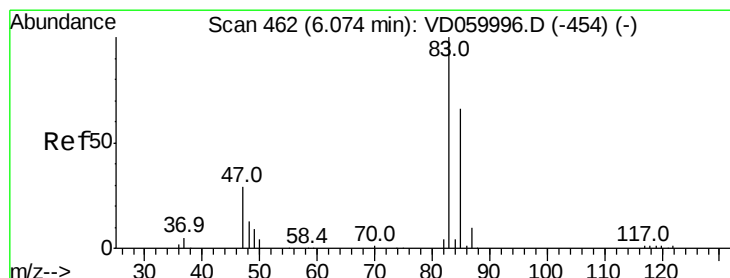
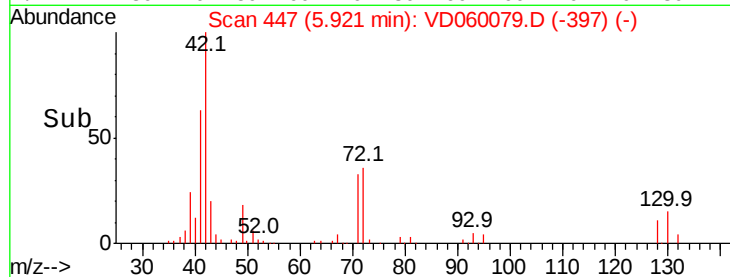
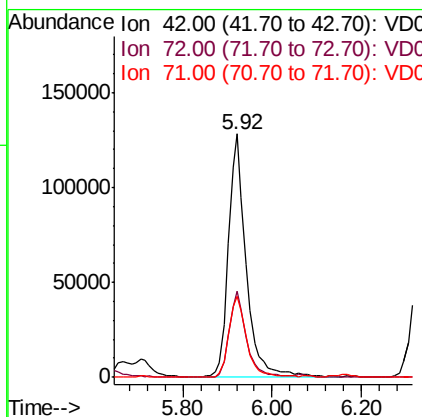
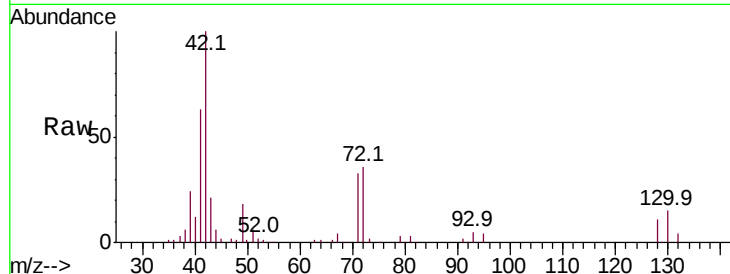




#29
Tetrahydrofuran
Concen: 105.464 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

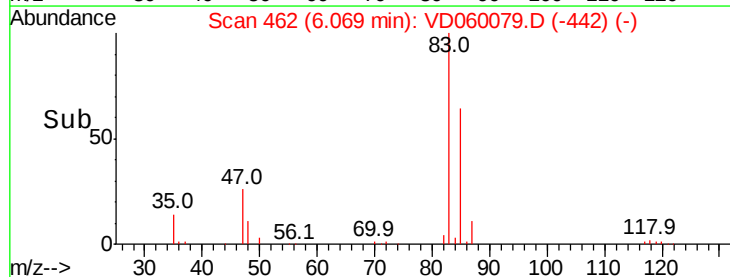
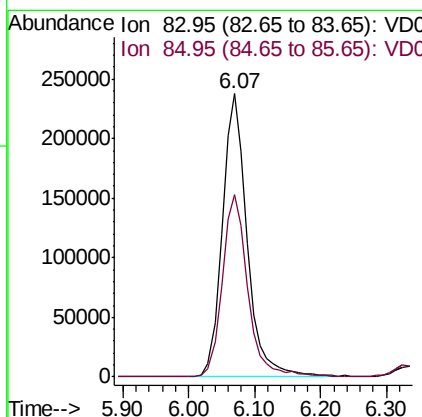
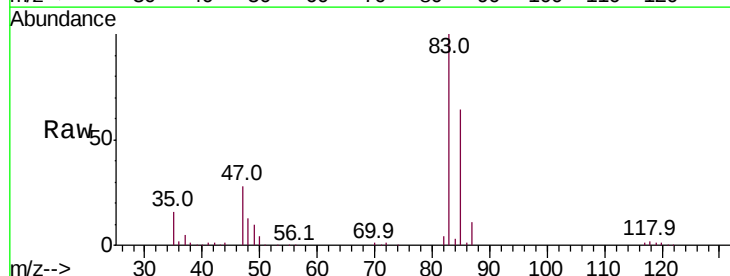
Instrument :
MSVOA_D
ClientSampleId :

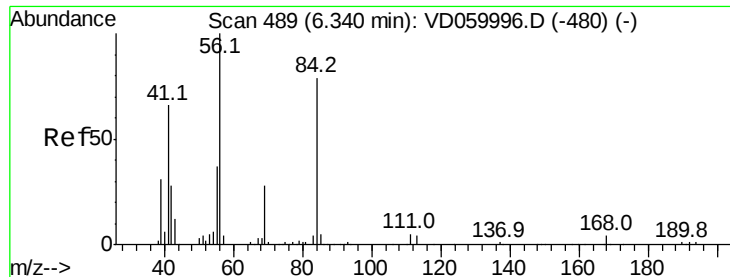
Tot Ion: 42 Resp: 361223
Ion Ratio Lower Upper
42 100
72 33.3 26.9 40.3
71 32.9 26.2 39.4



#30
Chloroform
Concen: 22.027 ug/l
RT: 6.07 min Scan# 462
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 83 Resp: 623718
Ion Ratio Lower Upper
83 100
85 64.3 52.6 78.8

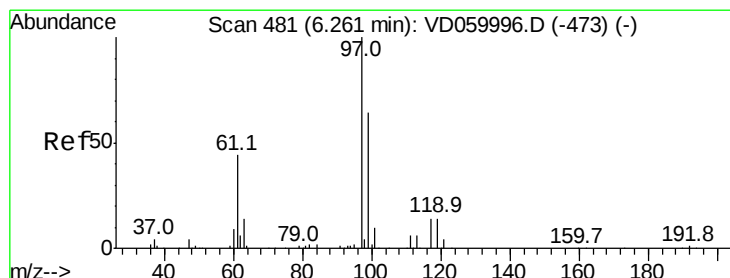
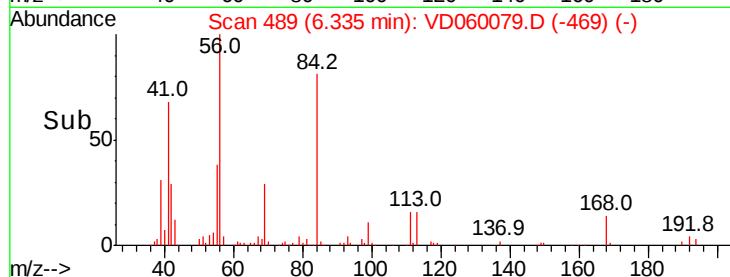
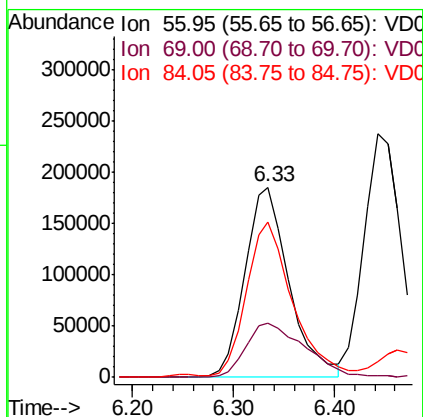
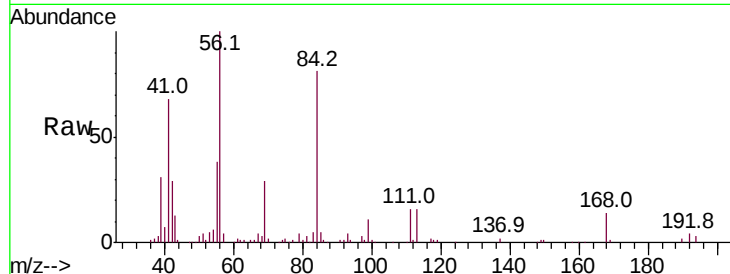




#31
Cvclohexane
Concen: 20.732 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

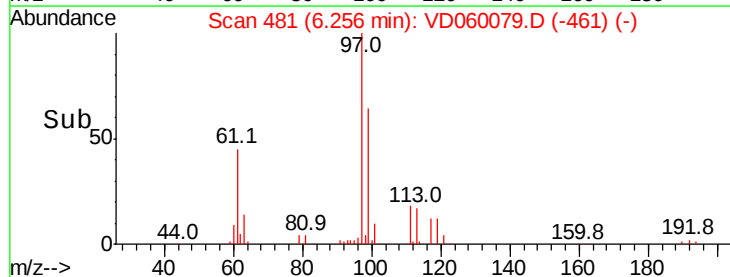
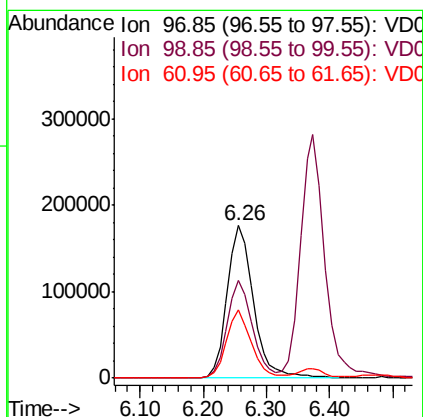
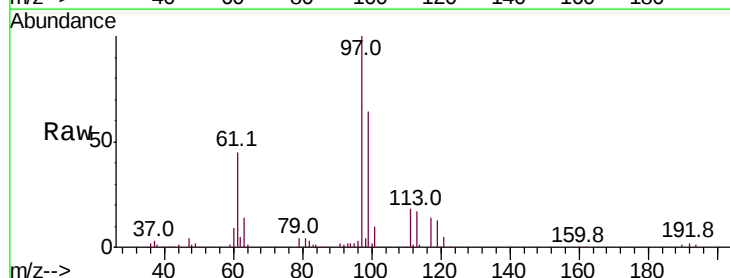
Instrument :
MSVOA_D
ClientSampleId :

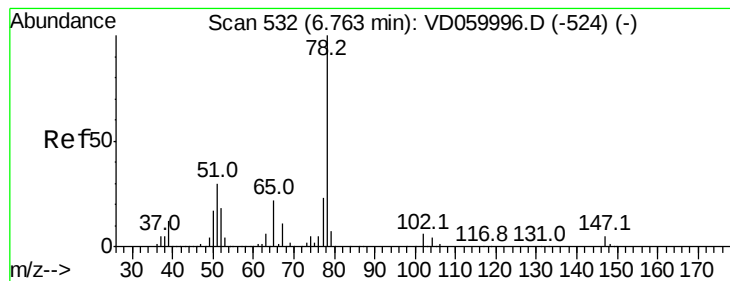
Tot Ion: 56 Resp: 564414
Ion Ratio Lower Upper
56 100
69 28.8 22.7 34.1
84 81.3 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 21.742 ug/l
RT: 6.26 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 97 Resp: 510607
Ion Ratio Lower Upper
97 100
99 63.6 51.3 76.9
61 44.8 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 21.742 ug/l

RT: 6.75 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

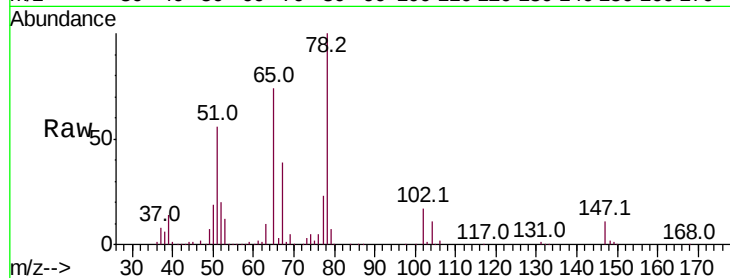
ClientSampleId :

Tot Ion: 65 Resp: 648413

Ion Ratio Lower Upper

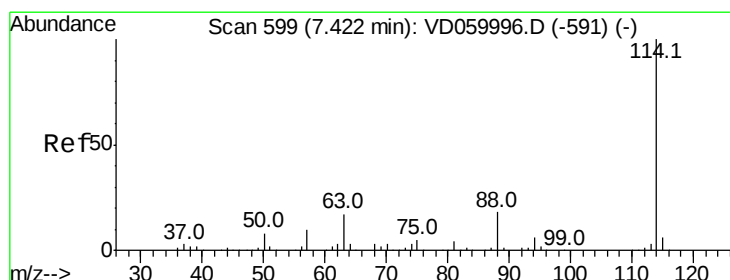
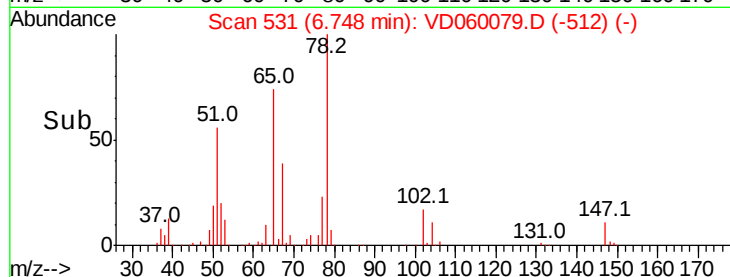
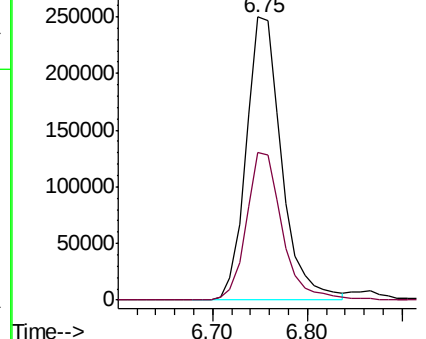
65 100

67 52.3 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.41 min Scan# 598

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

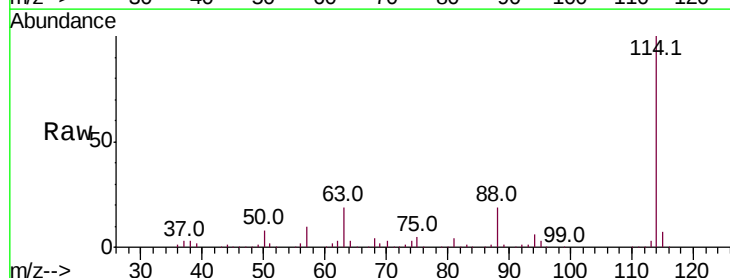
Tgt Ion:114 Resp: 2199965

Ion Ratio Lower Upper

114 100

63 19.3 0.0 34.4

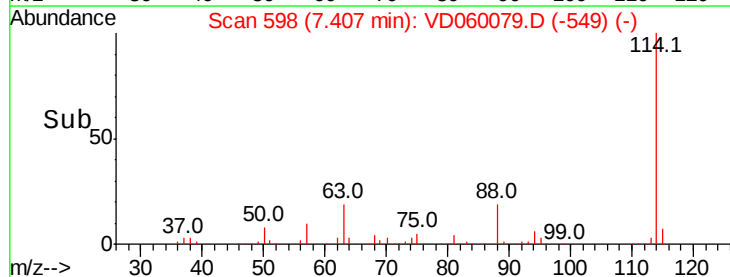
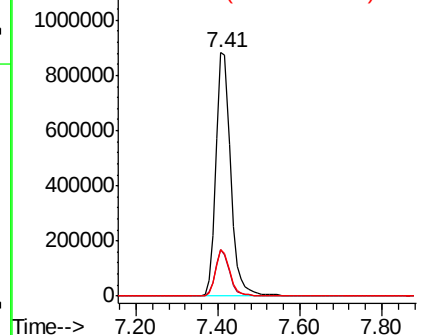
88 18.9 0.0 35.8

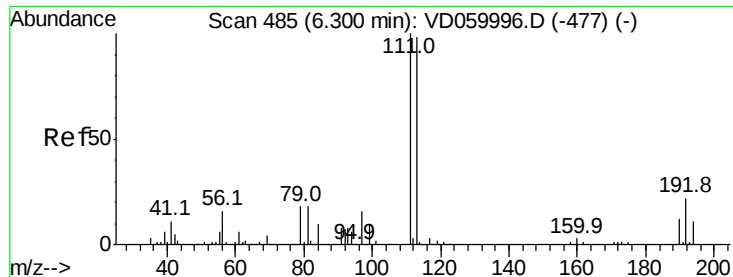


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

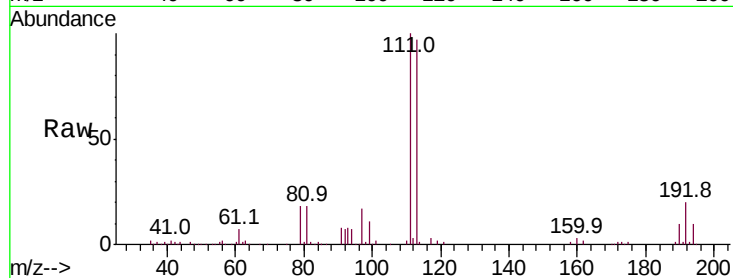




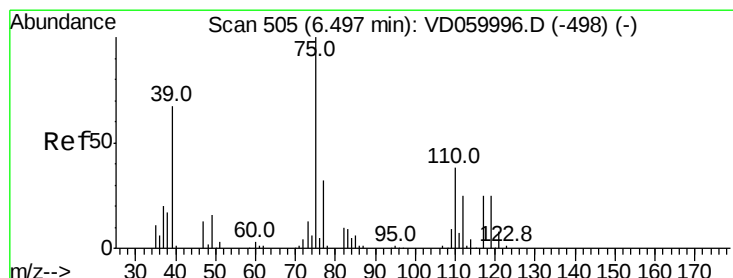
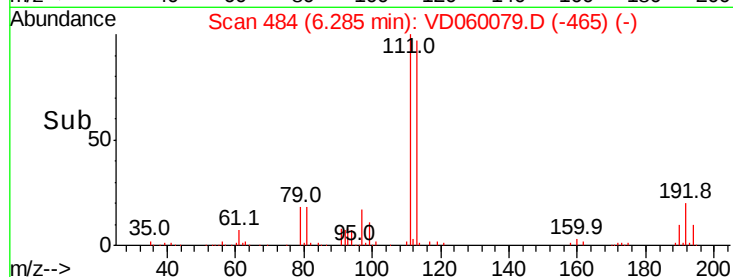
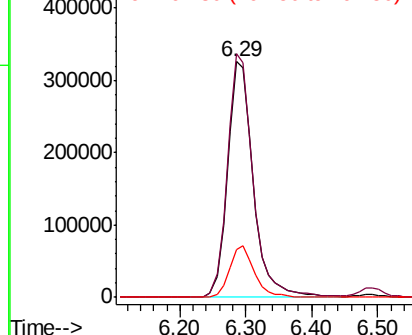
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113 Resp: 892774
Ion Ratio Lower Upper
113 100
111 103.3 81.3 121.9
192 20.2 18.1 27.1

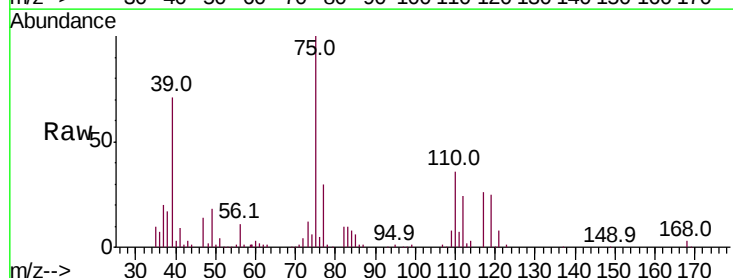


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

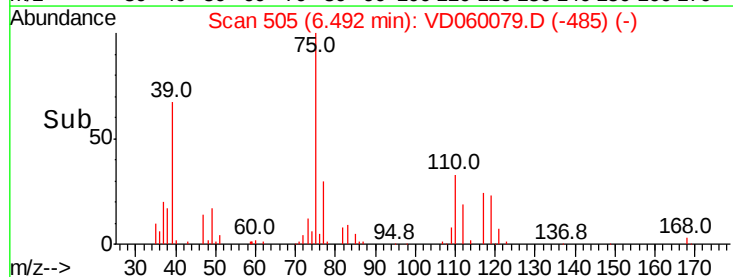
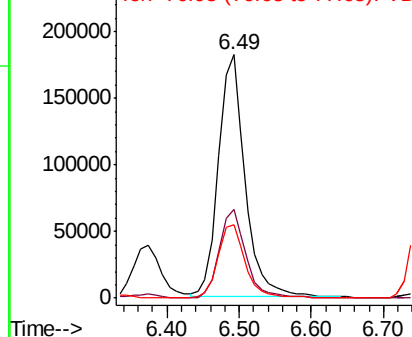


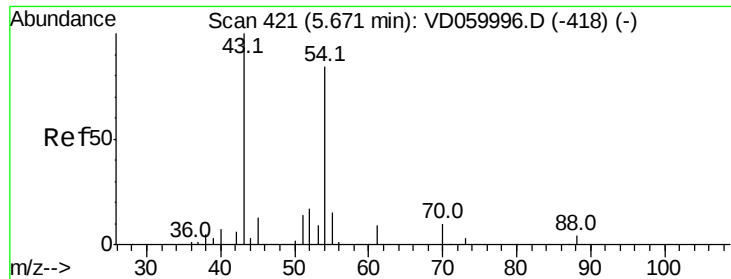
#36
1,1-Dichloropropene
Concen: 21.218 ug/l
RT: 6.49 min Scan# 505
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 75 Resp: 463692
Ion Ratio Lower Upper
75 100
110 36.4 18.9 56.9
77 30.1 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

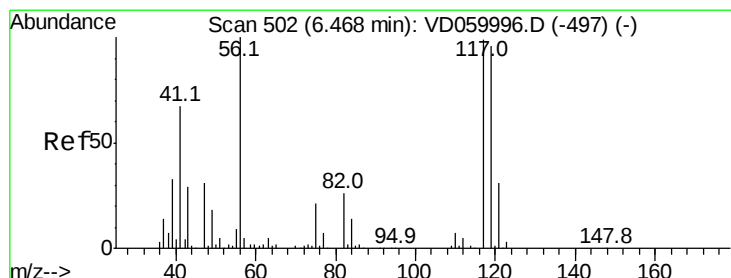
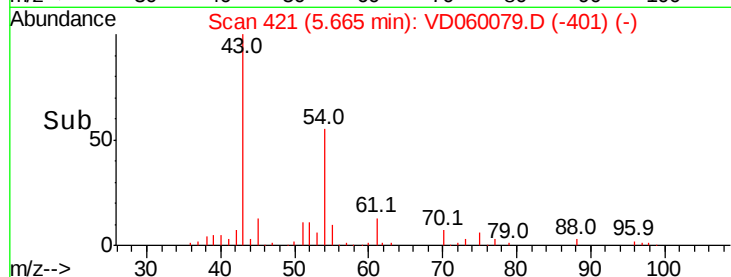
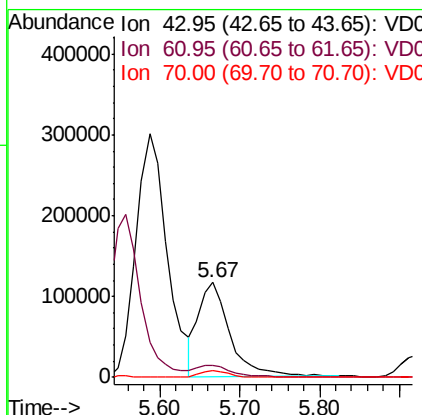
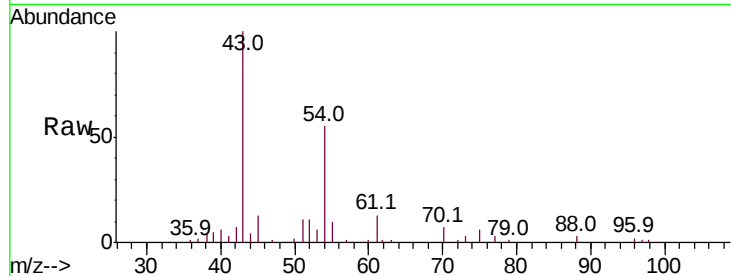




#37
Ethyl Acetate
Concen: 21.148 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

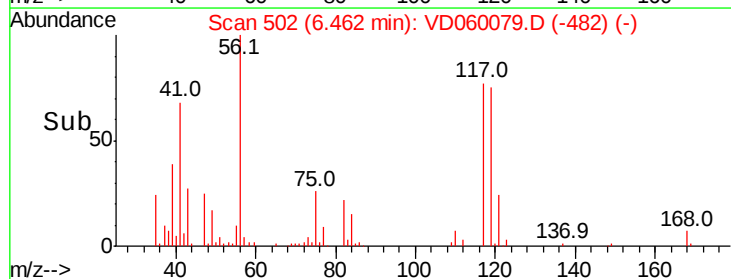
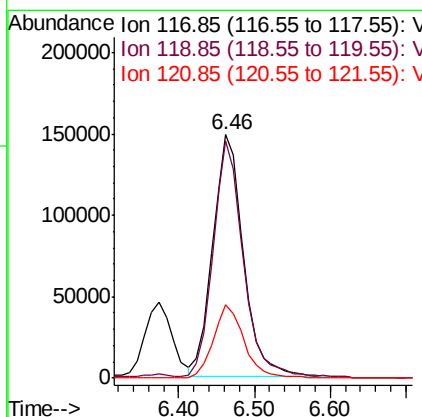
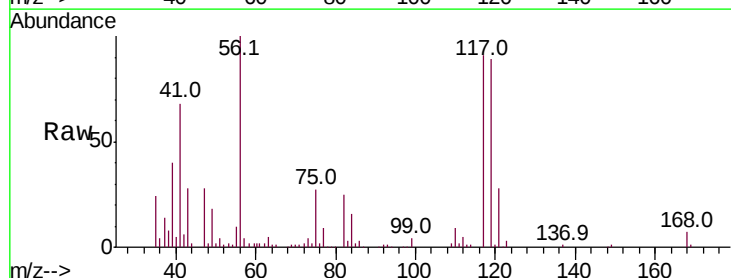
Instrument :
MSVOA_D
ClientSampled :

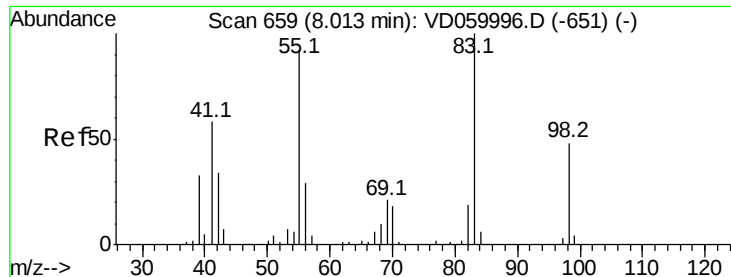
Tot Ion: 43 Resp: 317812
Ion Ratio Lower Upper
43 100
61 13.0 10.2 15.2
70 7.0 6.1 9.1



#38
Carbon Tetrachloride
Concen: 20.634 ug/l
RT: 6.46 min Scan# 502
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 117 Resp: 420935
Ion Ratio Lower Upper
117 100
119 97.7 76.7 115.1
121 30.4 24.9 37.3

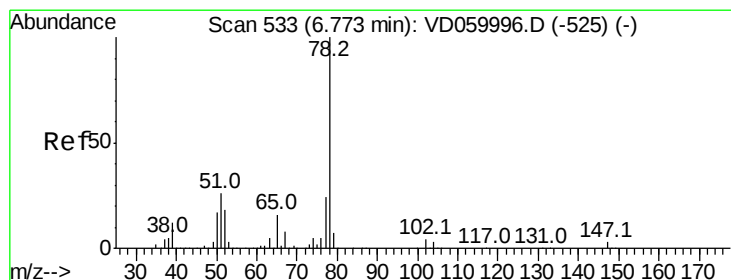
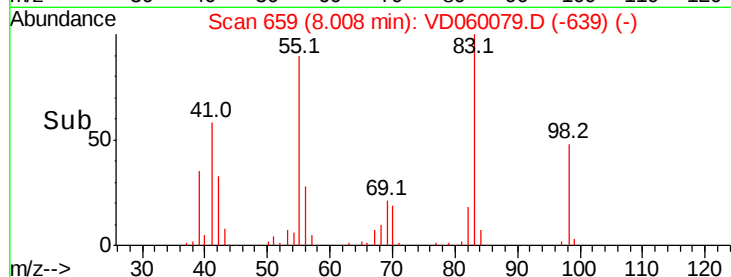
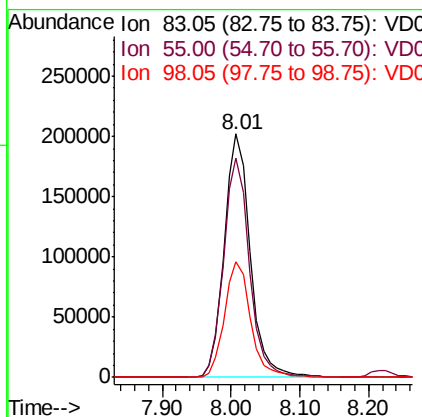
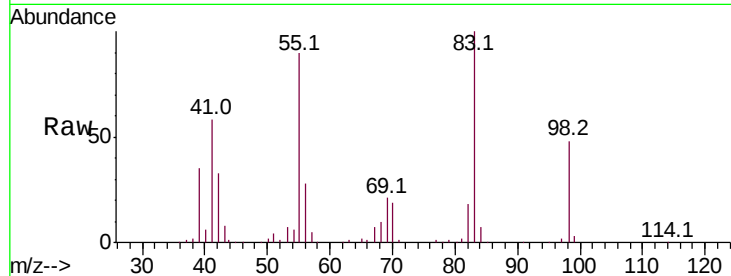




#39
Methvlcvclohexane
Concen: 21.386 ug/l
RT: 8.01 min Scan# 659
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

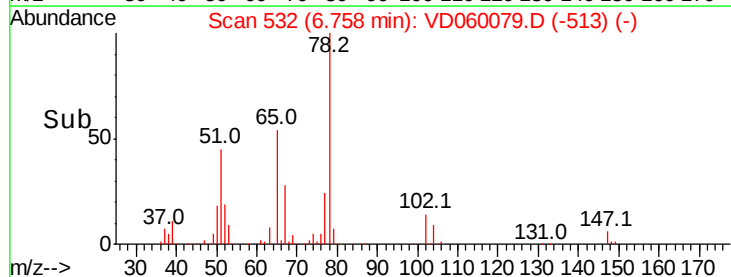
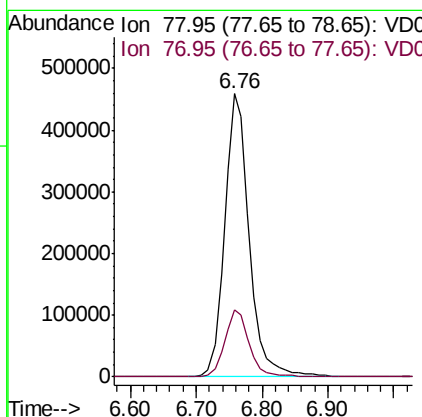
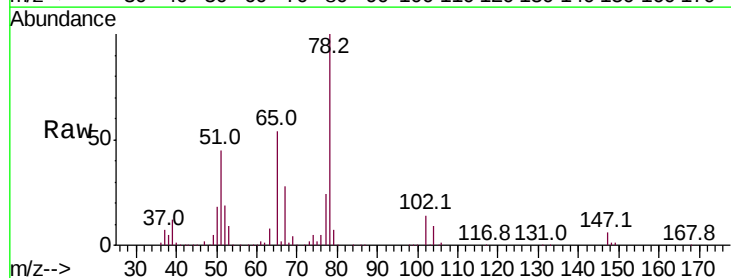
Instrument :
MSVOA_D
ClientSampleId :

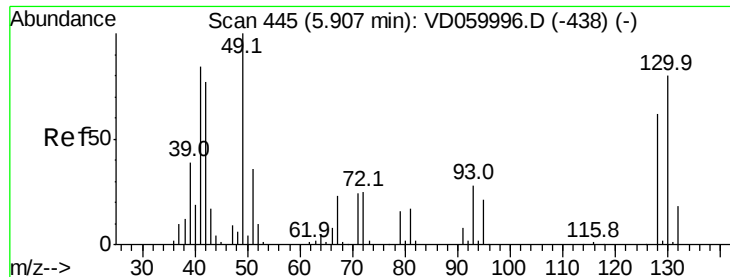
Tot Ion: 83 Resp: 528676
Ion Ratio Lower Upper
83 100
55 90.2 73.8 110.6
98 47.5 38.1 57.1



#40
Benzene
Concen: 21.382 ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 78 Resp: 1190939
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4





#41

Methacrylonitrile

Concen: 45.284 ug/l

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 356428

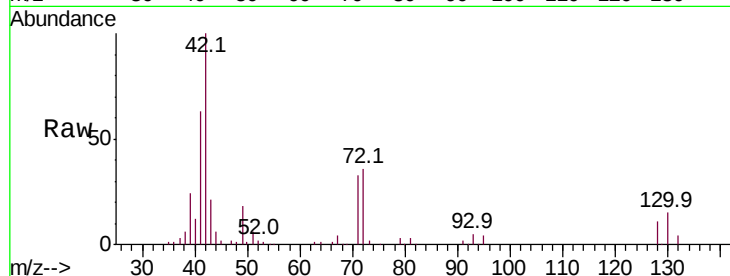
Ion Ratio Lower Upper

41 100

39 38.7 37.5 56.3

67 5.6 21.5 32.3#

52 2.8 9.2 13.8#

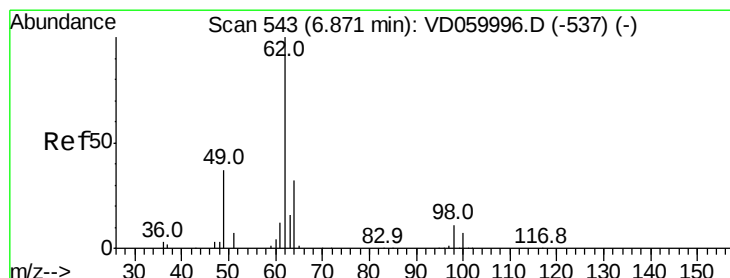
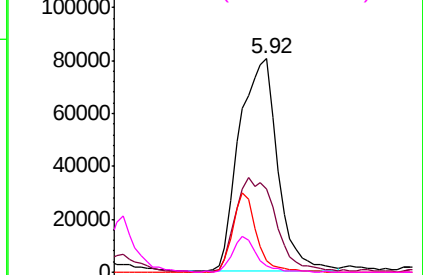
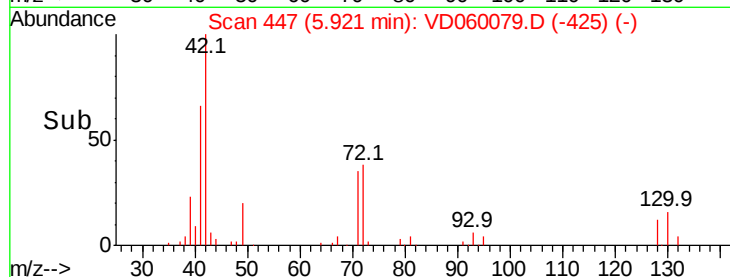


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.730 ug/l

RT: 6.87 min Scan# 543

Delta R.T. -0.01 min

Lab File: VD060079.D

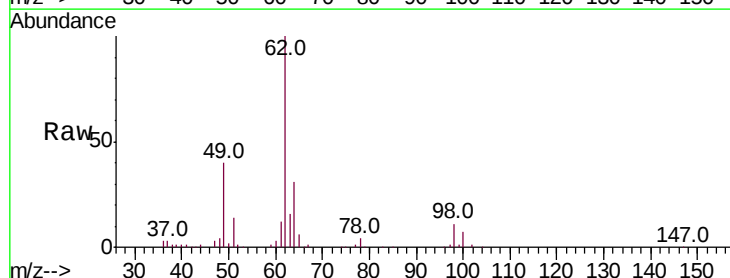
Acq: 24 Sep 2018 13:51

Tgt Ion: 62 Resp: 346697

Ion Ratio Lower Upper

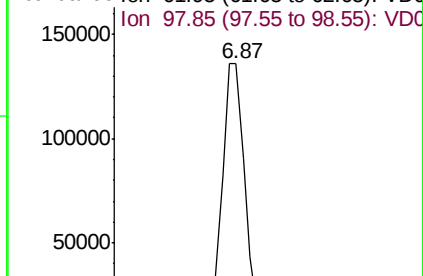
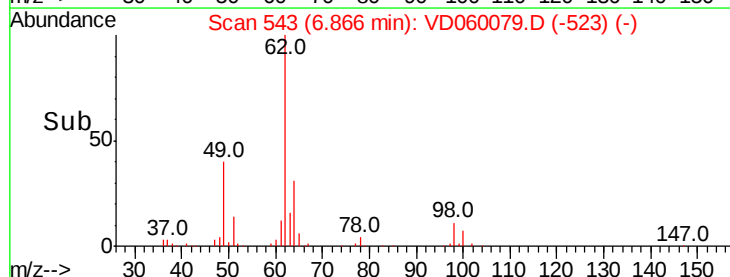
62 100

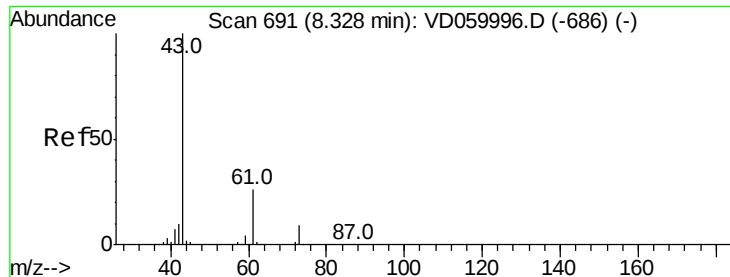
98 10.7 0.0 21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.172 ug/l

RT: 8.32 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampled :

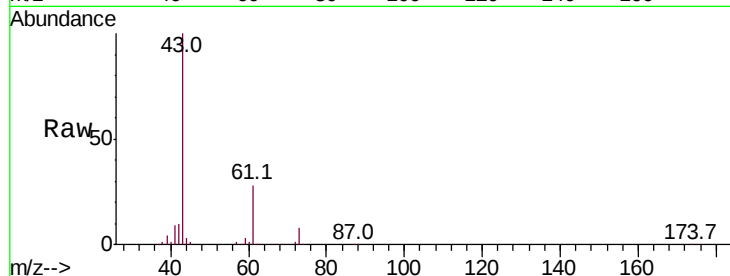
Tot Ion: 43 Resp: 405890

Ion Ratio Lower Upper

43 100

61 28.3 21.0 31.6

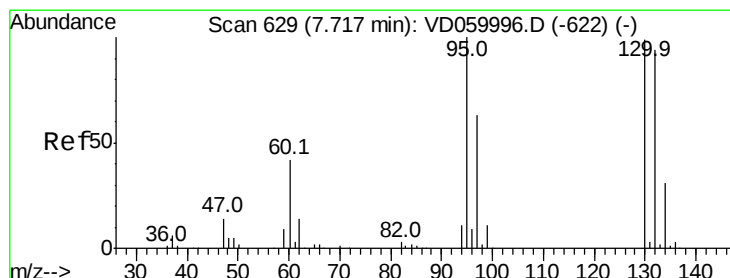
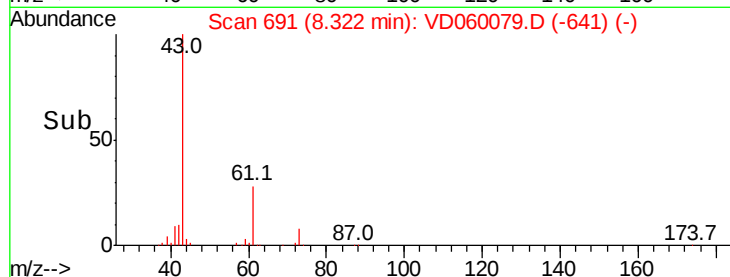
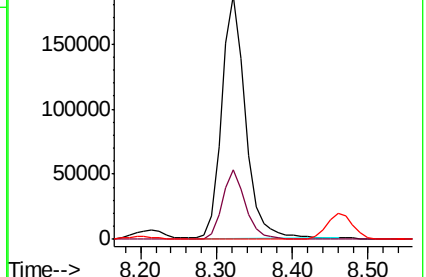
87 0.2 0.2 0.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.135 ug/l

RT: 7.71 min Scan# 629

Delta R.T. -0.01 min

Lab File: VD060079.D

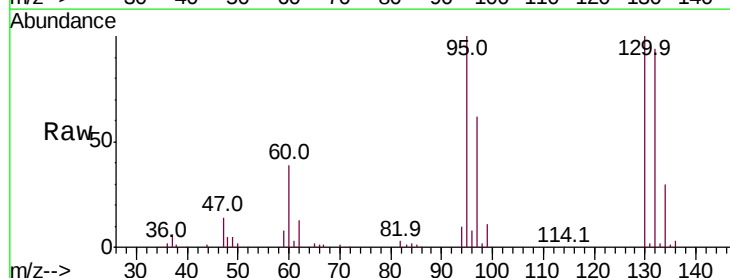
Acq: 24 Sep 2018 13:51

Tgt Ion:130 Resp: 363707

Ion Ratio Lower Upper

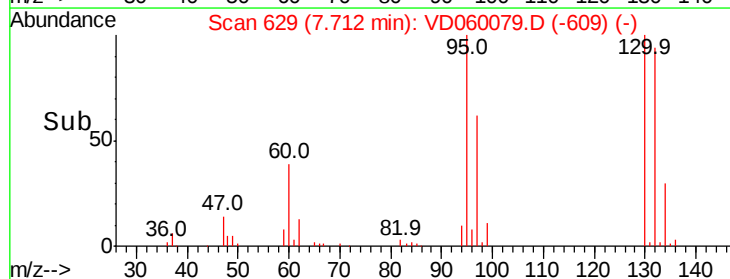
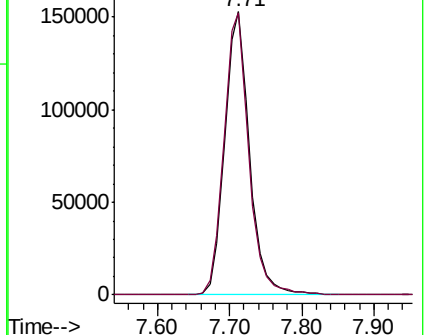
130 100

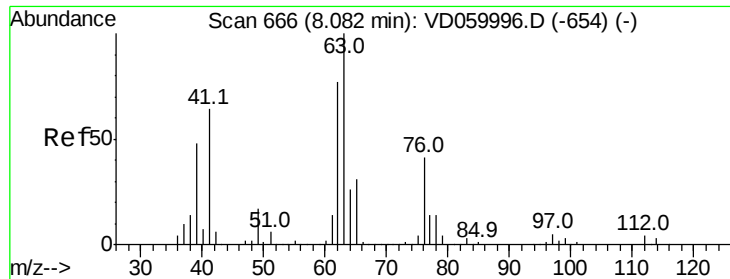
95 99.8 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.272 ug/l

RT: 8.08 min Scan# 666

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

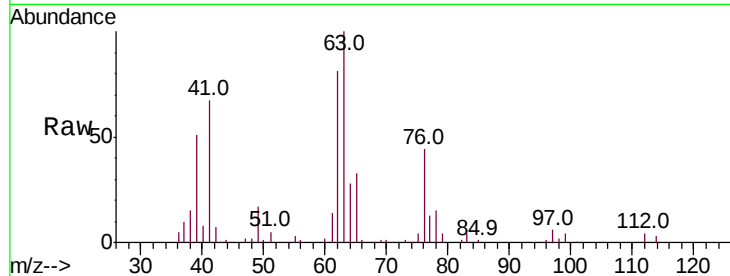
ClientSampleId :

Tot Ion: 63 Resp: 316824

Ion Ratio Lower Upper

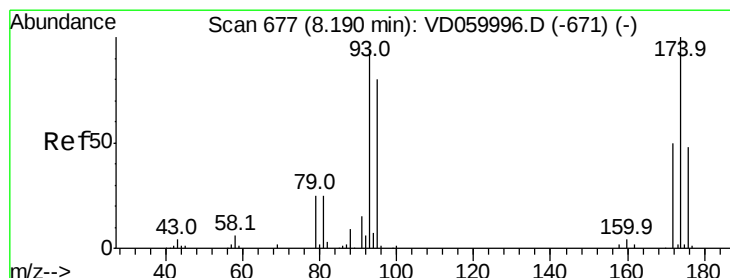
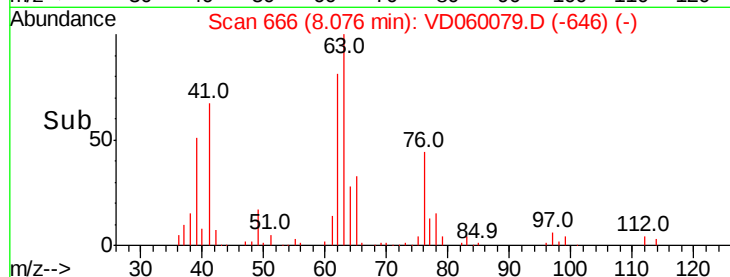
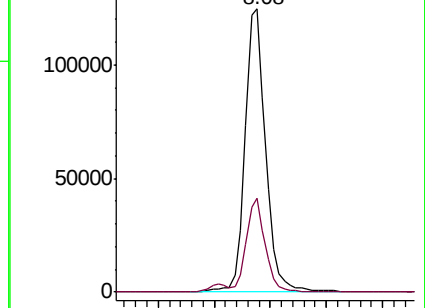
63 100

65 33.1 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.323 ug/l

RT: 8.18 min Scan# 677

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

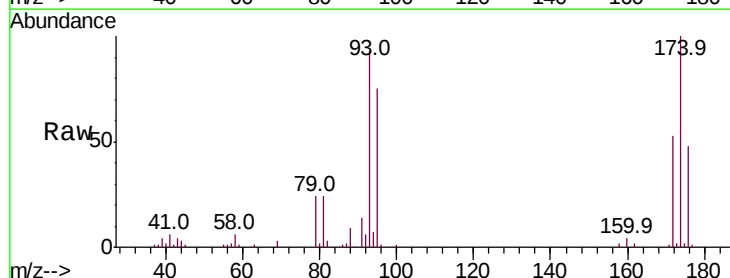
Tgt Ion: 93 Resp: 207209

Ion Ratio Lower Upper

93 100

95 80.8 68.0 102.0

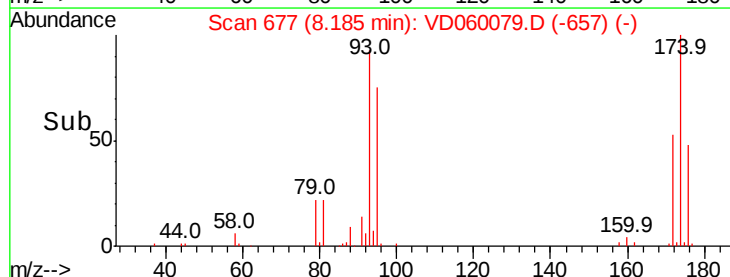
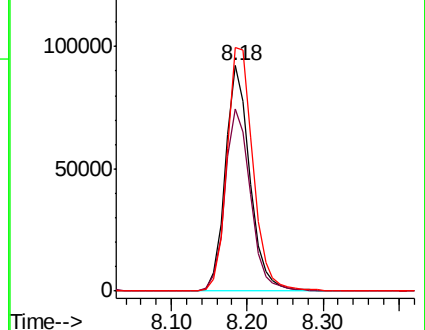
174 108.1 85.4 128.2

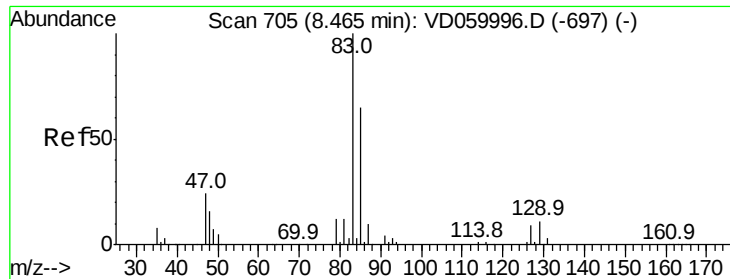


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.066 ug/l

RT: 8.46 min Scan# 705

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

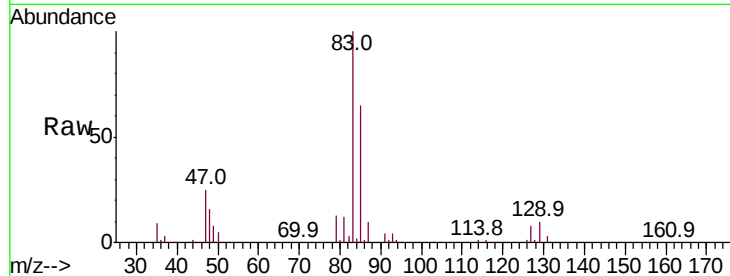
Tot Ion: 83 Resp: 441354

Ion Ratio Lower Upper

83 100

85 65.0 51.9 77.9

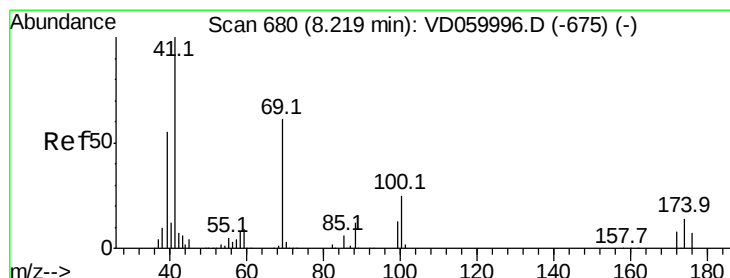
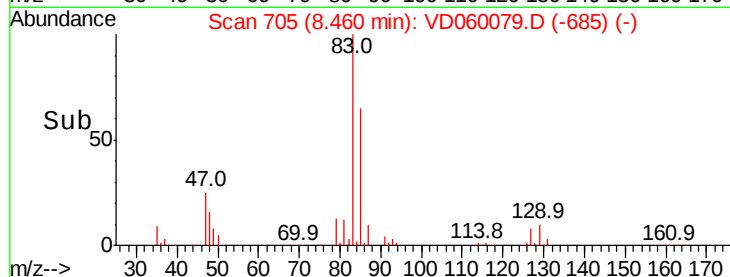
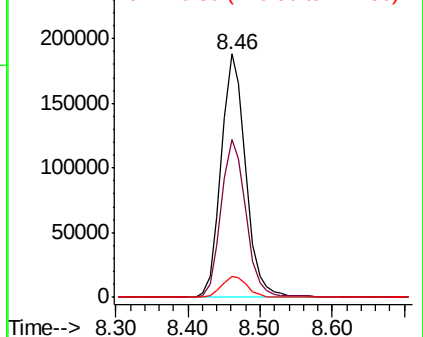
127 8.4 6.8 10.2



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.036 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

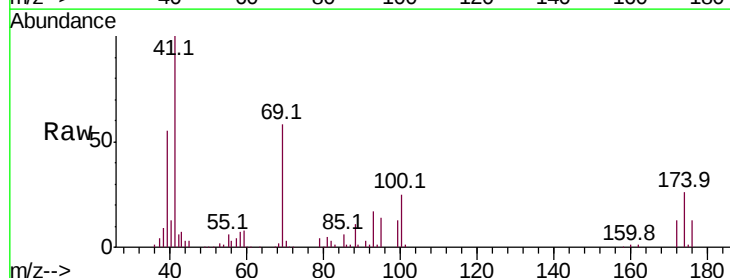
Tgt Ion: 41 Resp: 235734

Ion Ratio Lower Upper

41 100

69 57.7 48.3 72.5

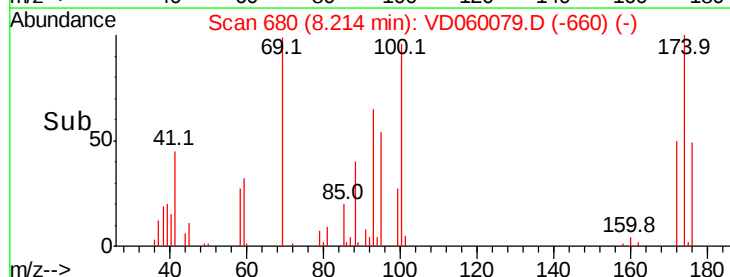
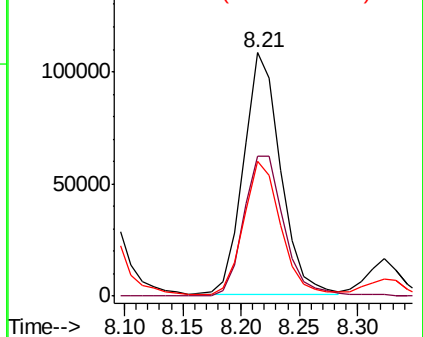
39 55.1 44.1 66.1

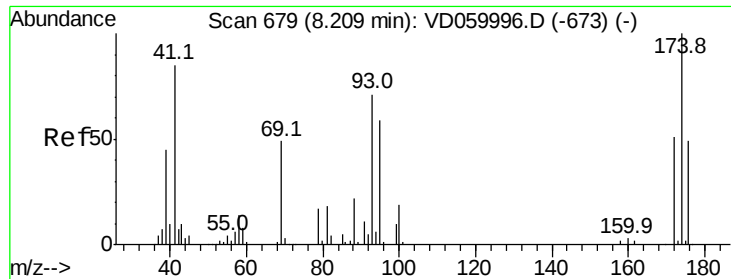


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

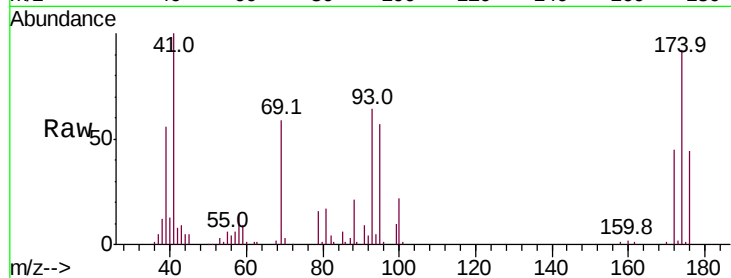




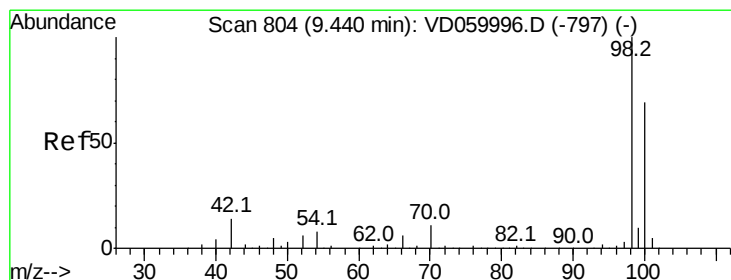
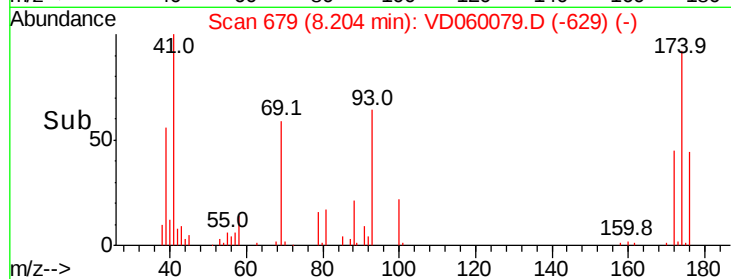
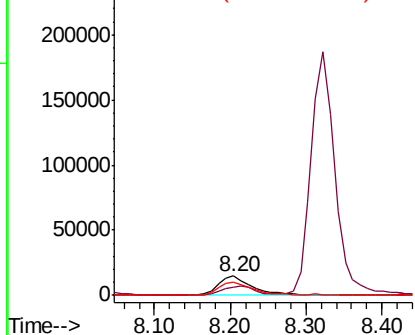
#49
1,4-Dioxane
Concen: 421.602 ug/l
RT: 8.20 min Scan# 679
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 46926
Ion Ratio Lower Upper
88 100
43 44.1 36.2 54.2
58 67.0 51.0 76.6

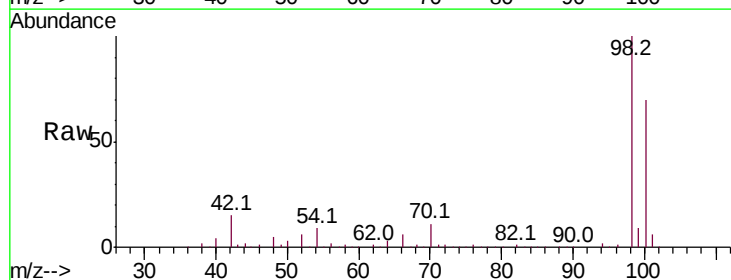


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

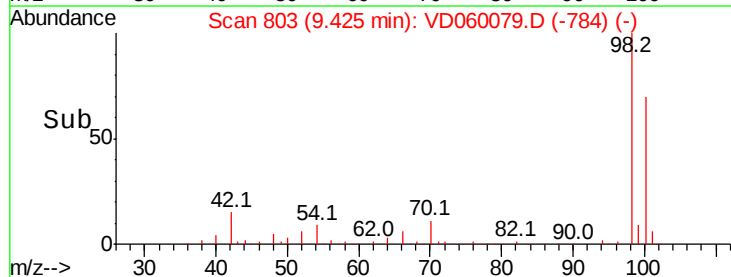
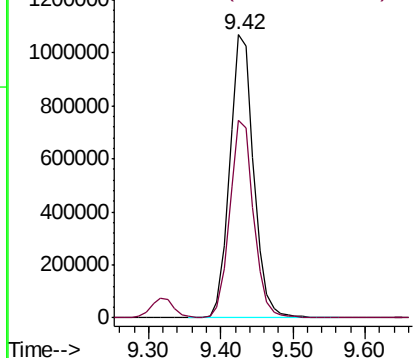


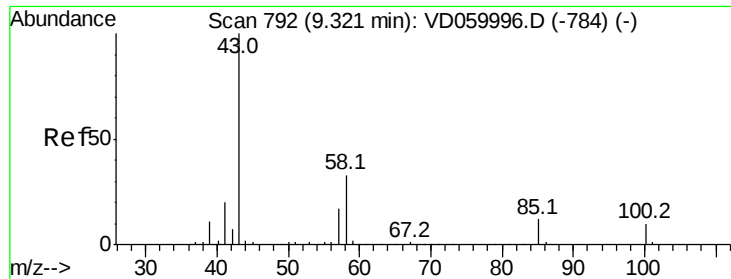
#50
Toluene-d8
Concen: 421.602 ug/l
RT: 9.42 min Scan# 803
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 98 Resp: 2470945
Ion Ratio Lower Upper
98 100
100 69.7 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 114.446 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

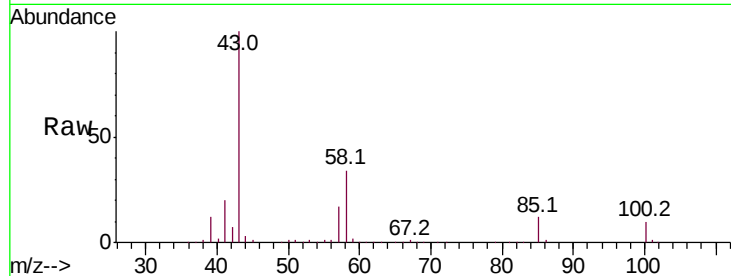
ClientSampleId :

Tot Ion: 43 Resp: 1671795

Ion Ratio Lower Upper

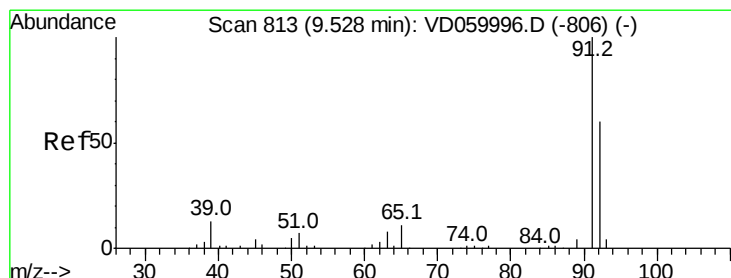
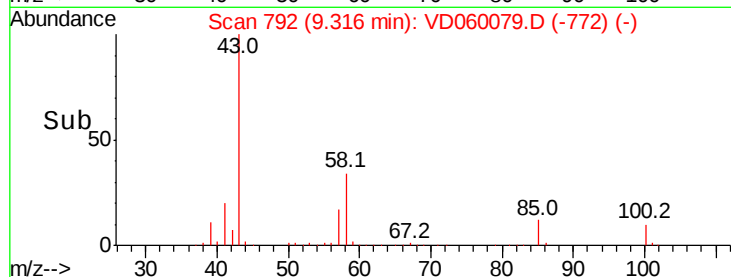
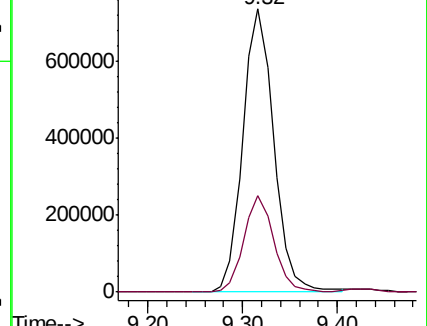
43 100

58 33.9 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.020 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.01 min

Lab File: VD060079.D

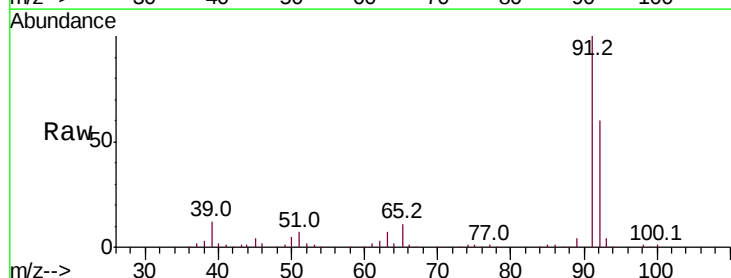
Acq: 24 Sep 2018 13:51

Tgt Ion: 92 Resp: 786156

Ion Ratio Lower Upper

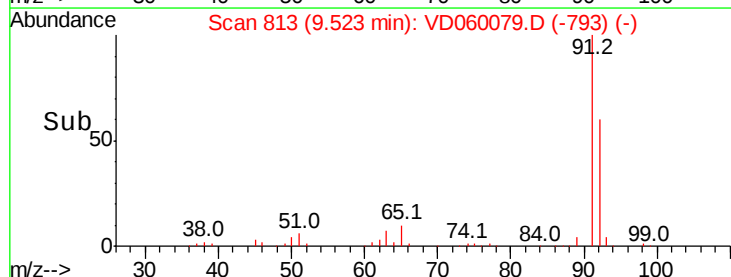
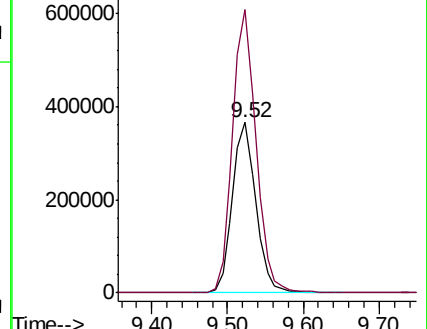
92 100

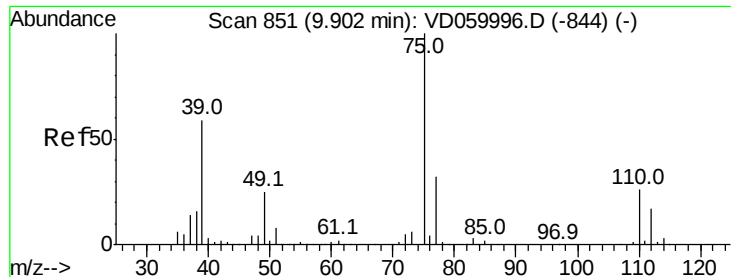
91 166.0 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

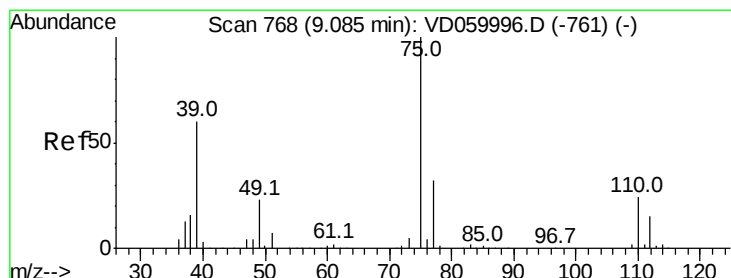
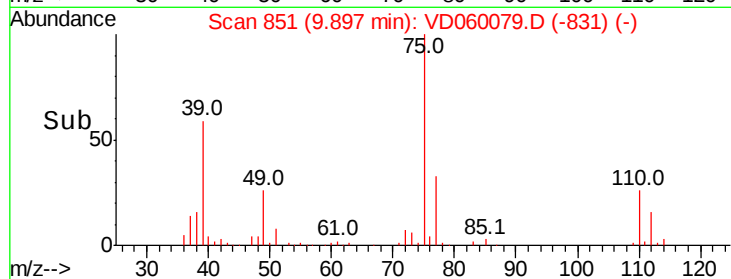
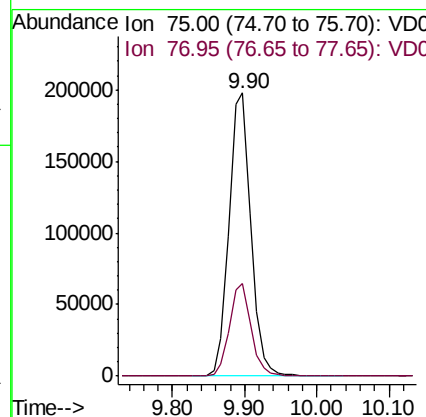
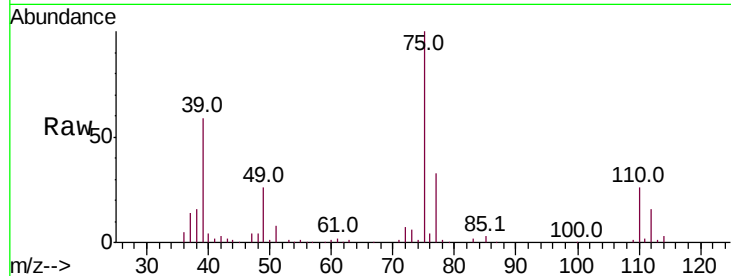




#53
 t-1,3-Dichloropropene
 Concen: 21.164 ug/l
 RT: 9.90 min Scan# 851
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

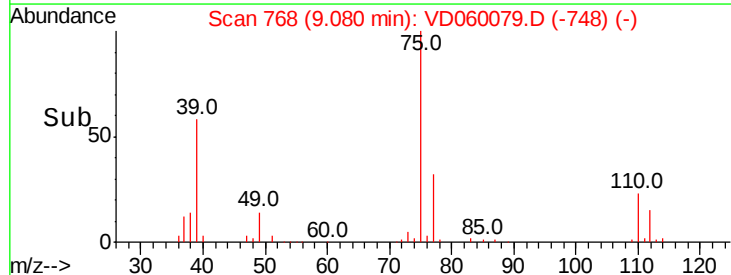
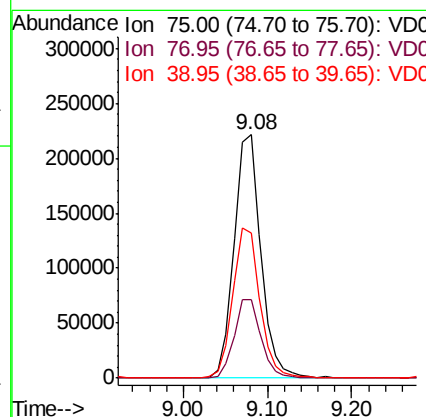
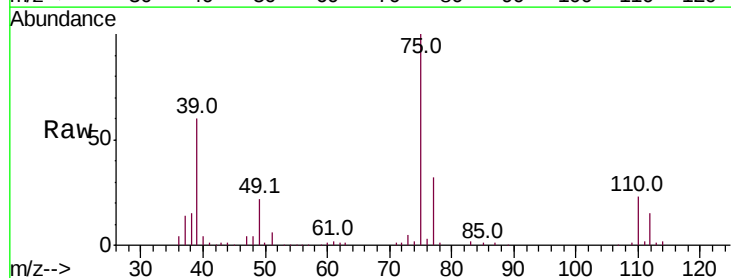
Instrument :
 MSVOA_D
 ClientSampled :

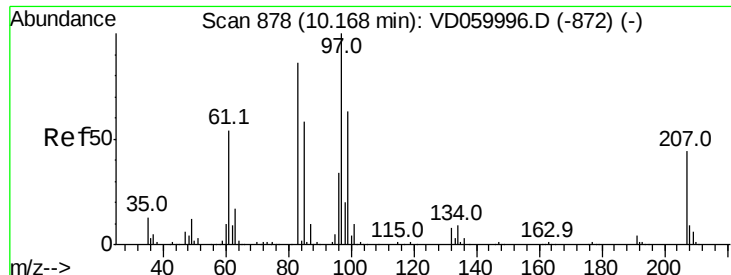
Tot Ion: 75 Resp: 413566
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 21.062 ug/l
 RT: 9.08 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion: 75 Resp: 491730
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3
 39 59.8 48.0 72.0

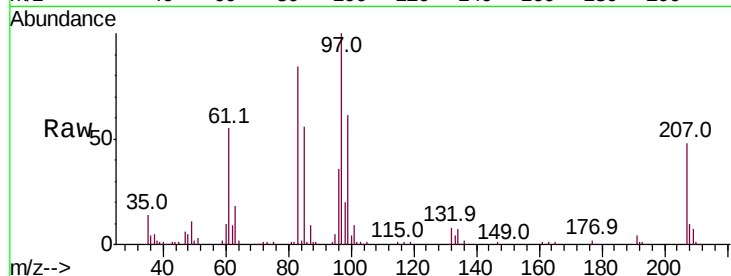




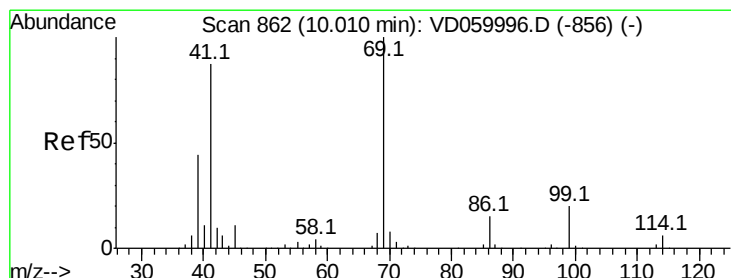
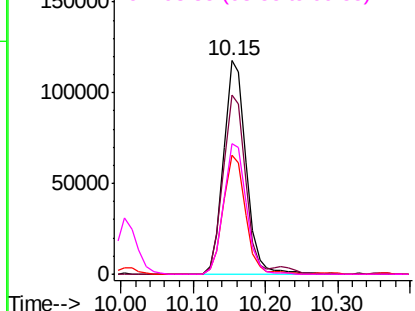
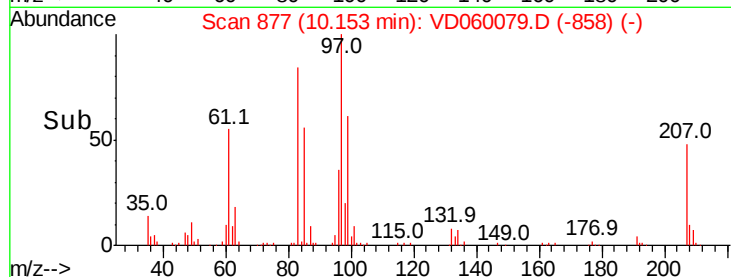
#55
1,1,2-Trichloroethane
Concen: 20.596 ug/l
RT: 10.15 min Scan# 877
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 255300
Ion Ratio Lower Upper
97 100
83 83.7 69.1 103.7
85 55.8 46.2 69.4
99 61.0 50.6 75.8

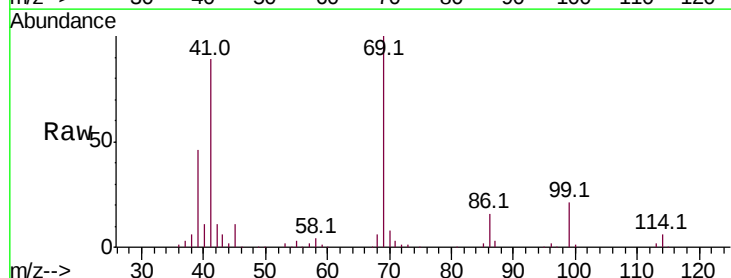


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

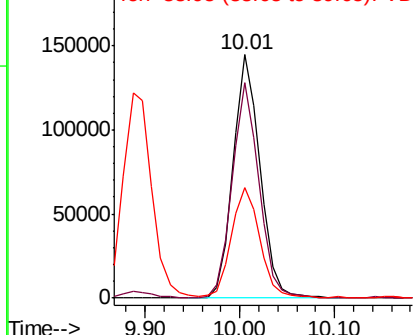
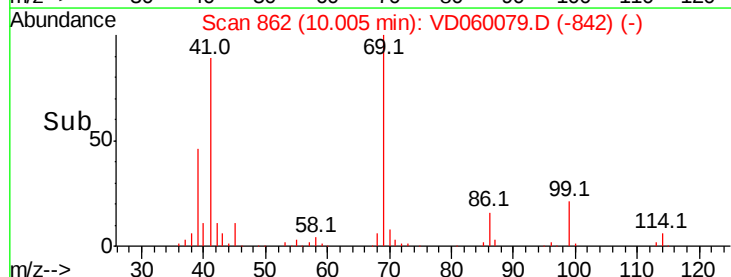


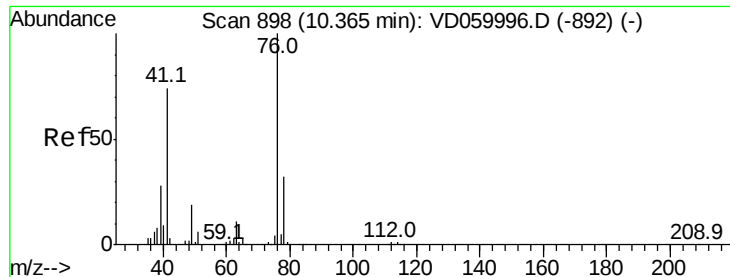
#56
Ethyl methacrylate
Concen: 20.747 ug/l
RT: 10.01 min Scan# 862
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 69 Resp: 285252
Ion Ratio Lower Upper
69 100
41 88.5 70.1 105.1
39 45.5 36.5 54.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.076 ug/l

RT: 10.36 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

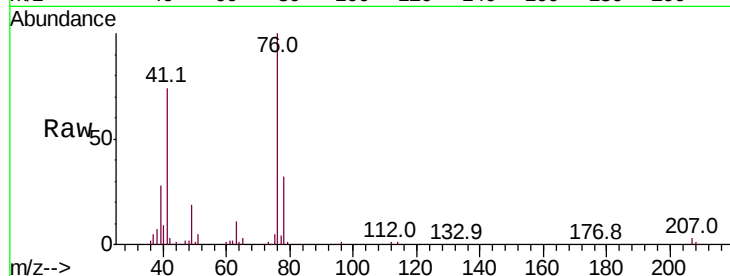
ClientSampleId :

Tot Ion: 76 Resp: 385632

Ion Ratio Lower Upper

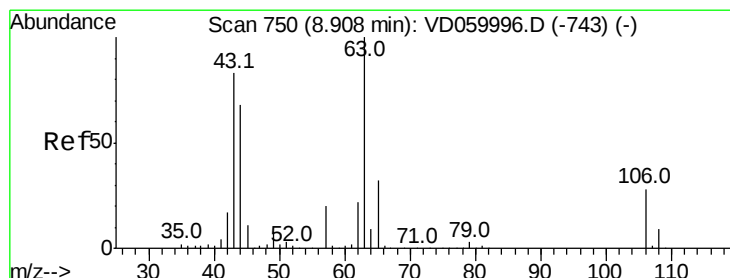
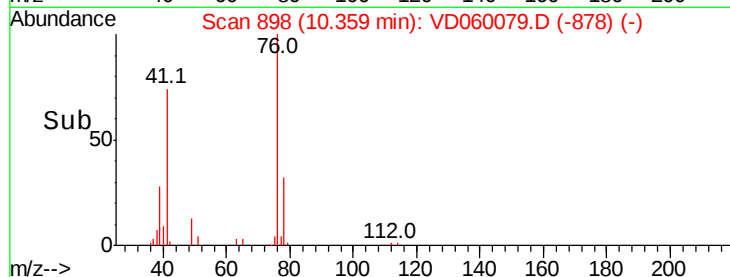
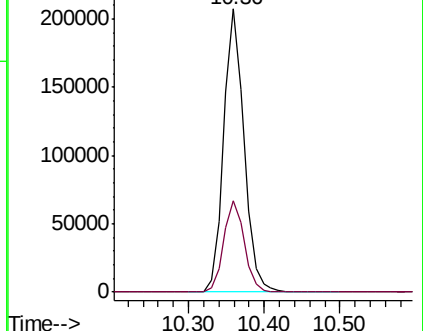
76 100

78 32.1 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 103.830 ug/l

RT: 8.89 min Scan# 749

Delta R.T. -0.01 min

Lab File: VD060079.D

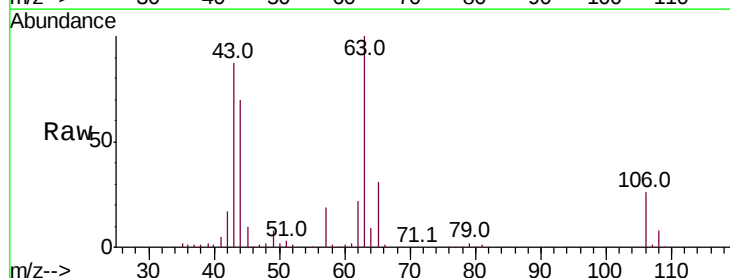
Acq: 24 Sep 2018 13:51

Tgt Ion: 63 Resp: 689360

Ion Ratio Lower Upper

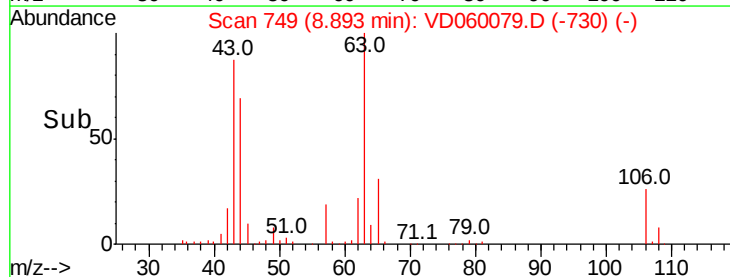
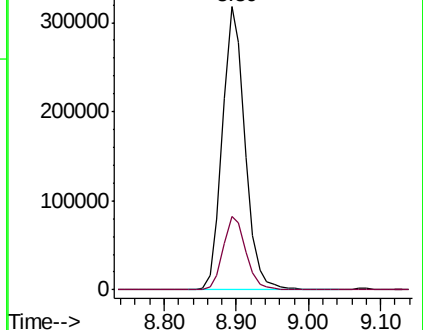
63 100

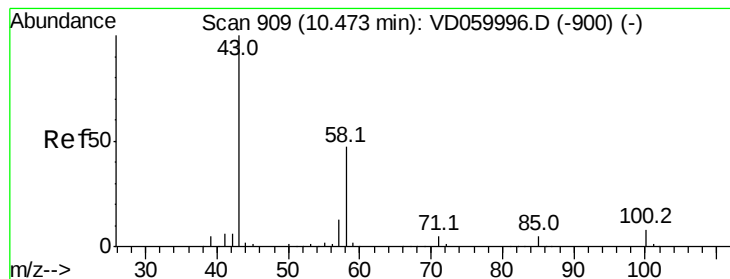
106 25.8 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 118.979 ug/l

RT: 10.47 min Scan# 909

Delta R.T. -0.00 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

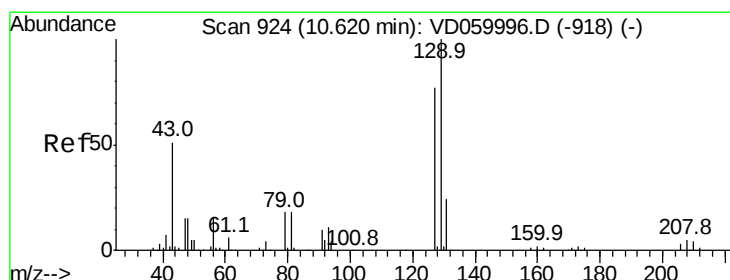
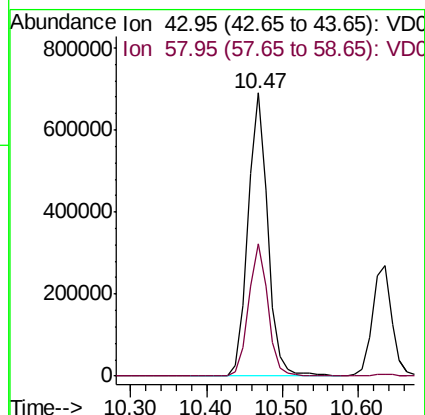
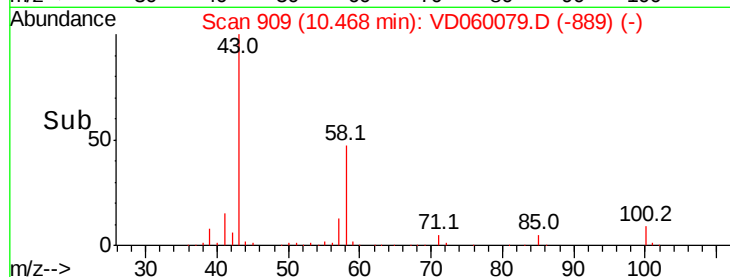
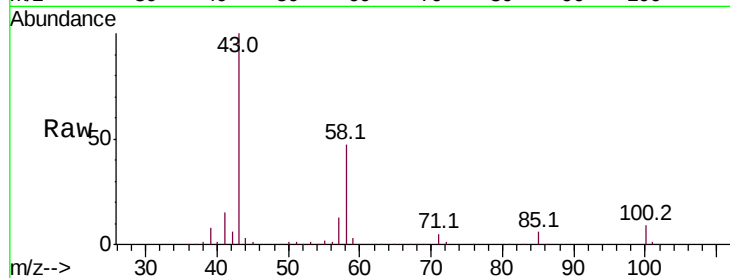
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1244215

Ion Ratio Lower Upper

43 100

58 46.7 23.4 70.0



#60

Dibromochloromethane

Concen: 21.033 ug/l

RT: 10.62 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD060079.D

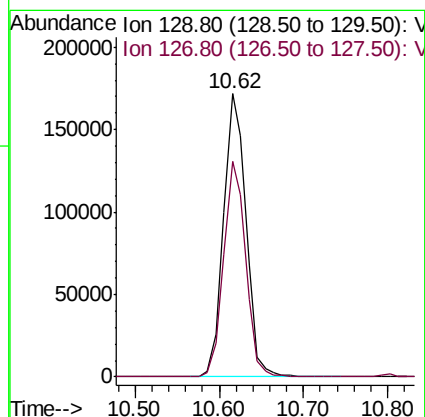
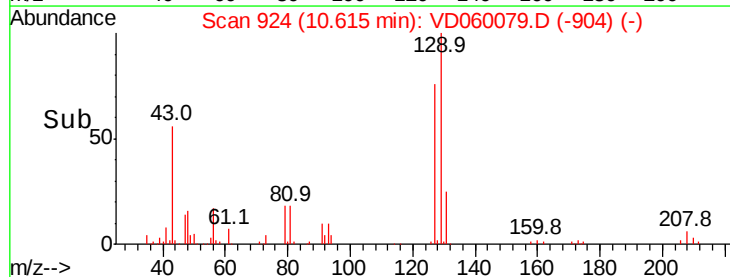
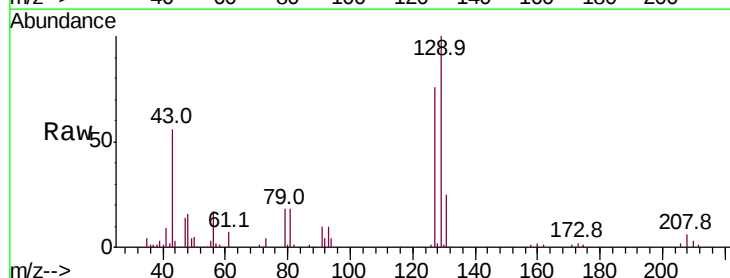
Acq: 24 Sep 2018 13:51

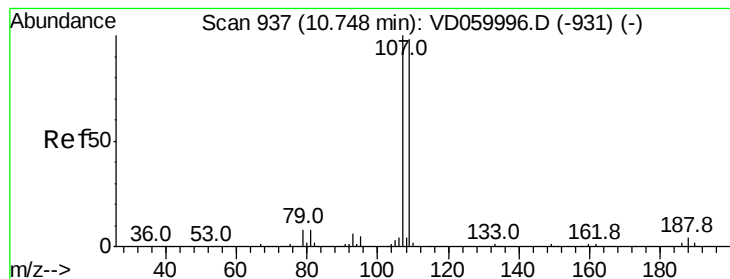
Tgt Ion: 129 Resp: 317335

Ion Ratio Lower Upper

129 100

127 76.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 21.560 ug/l

RT: 10.73 min Scan# 936

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

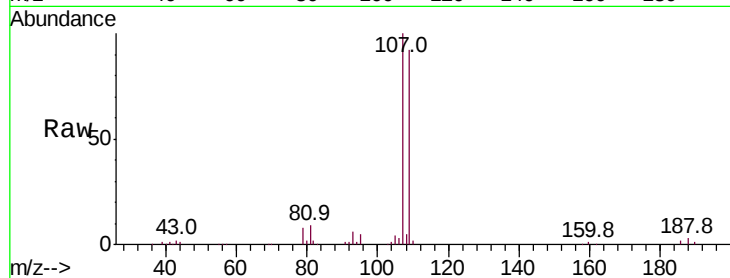
ClientSampleId :

Tot Ion:107 Resp: 275929

Ion Ratio Lower Upper

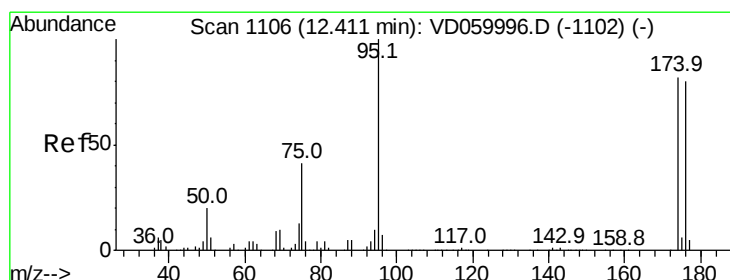
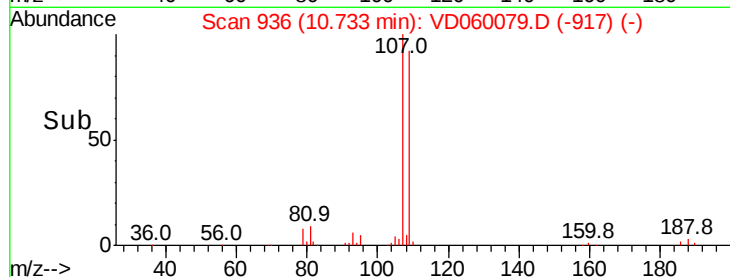
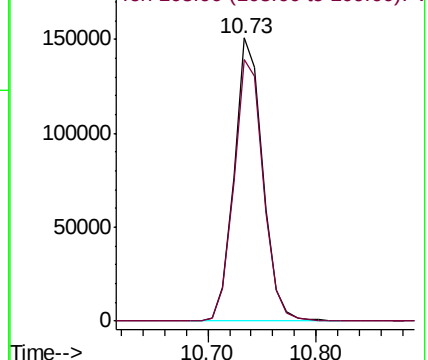
107 100

109 92.4 78.2 117.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.560 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

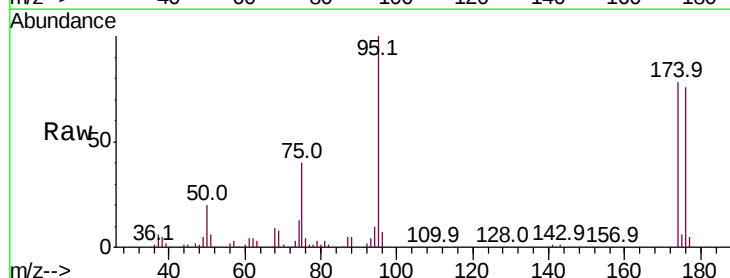
Tgt Ion: 95 Resp: 966147

Ion Ratio Lower Upper

95 100

174 78.3 0.0 165.0

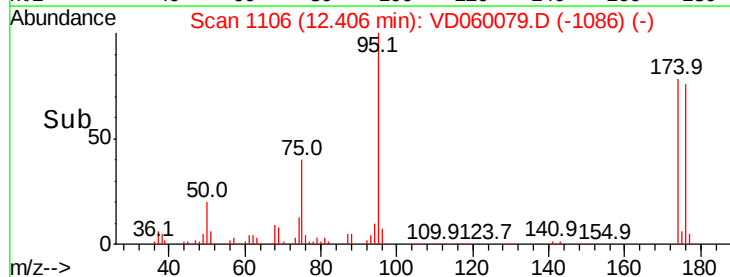
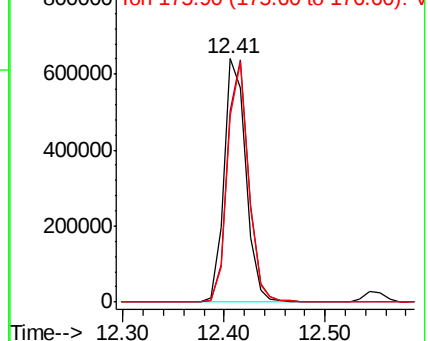
176 76.2 0.0 160.2

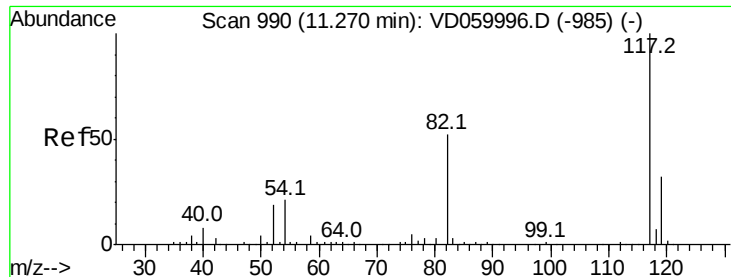


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

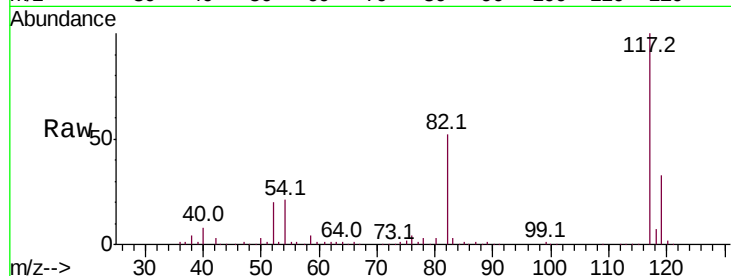




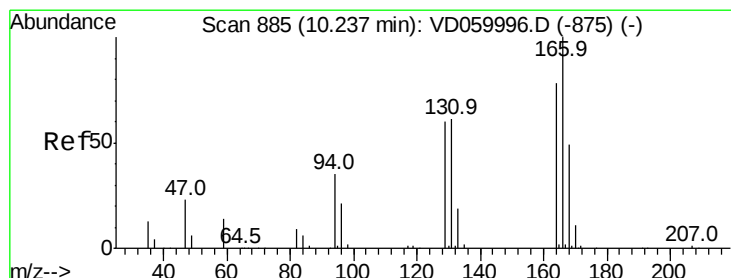
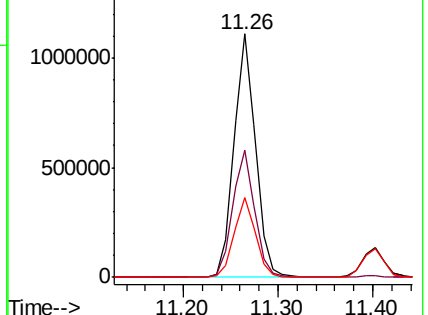
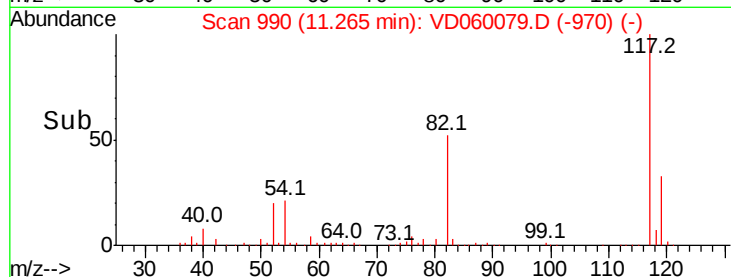
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1752807
Ion Ratio Lower Upper
117 100
82 52.5 41.7 62.5
119 32.6 26.0 39.0

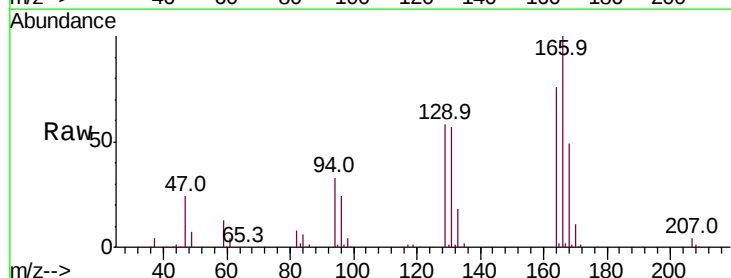


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

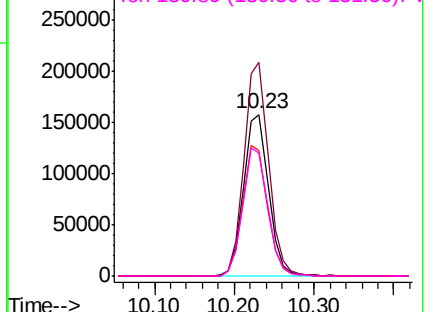
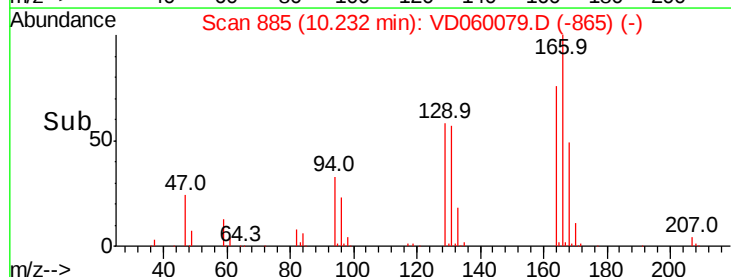


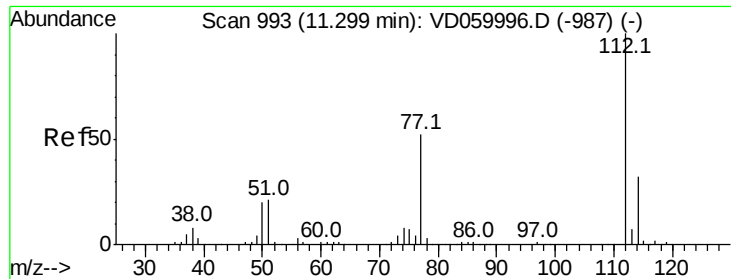
#64
Tetrachloroethene
Concen: 22.057 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion:164 Resp: 341116
Ion Ratio Lower Upper
164 100
166 132.3 103.0 154.6
129 77.4 61.9 92.9
131 75.8 62.6 93.8



Abundance Ion 163.85 (163.55 to 164.55): V
300000 Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

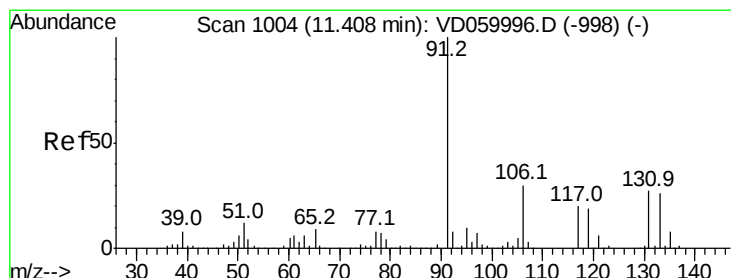
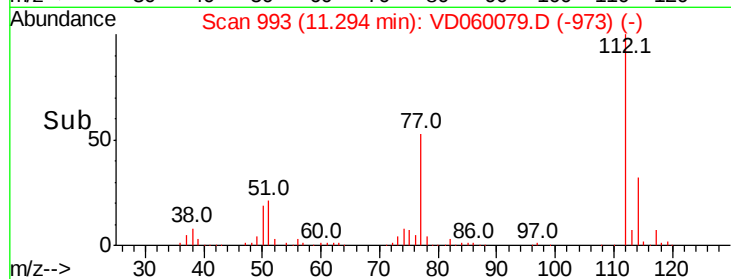
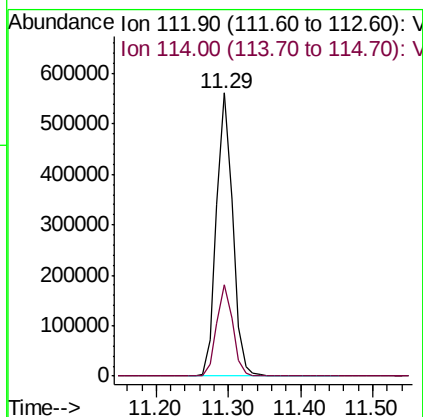
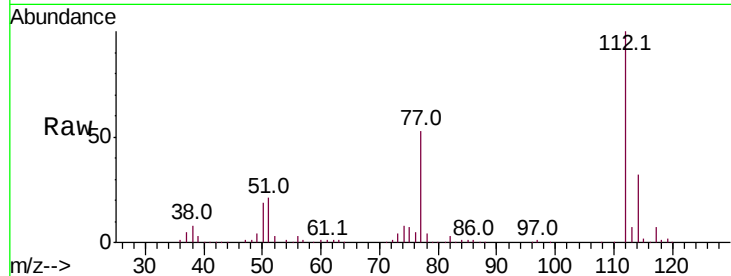




#65
Chlorobenzene
Concen: 22.931 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

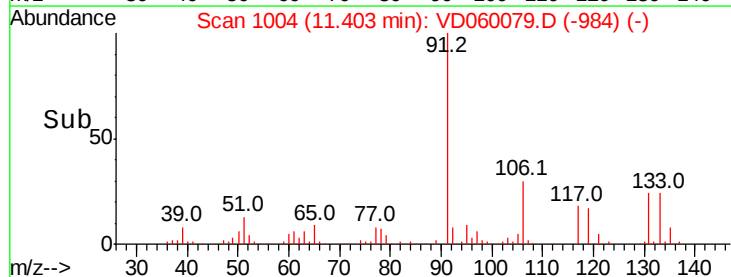
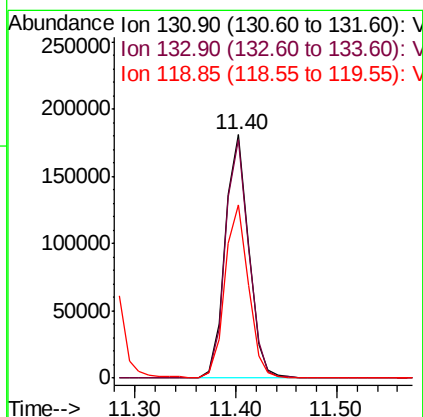
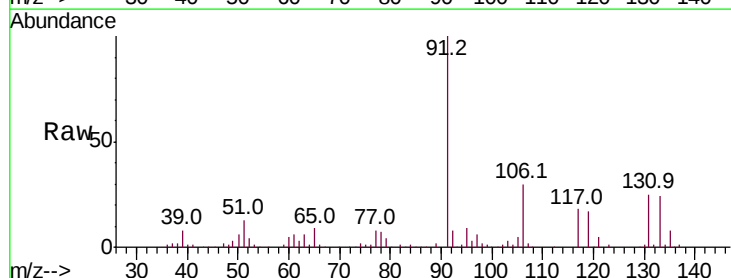
Instrument :
MSVOA_D
ClientSampled :

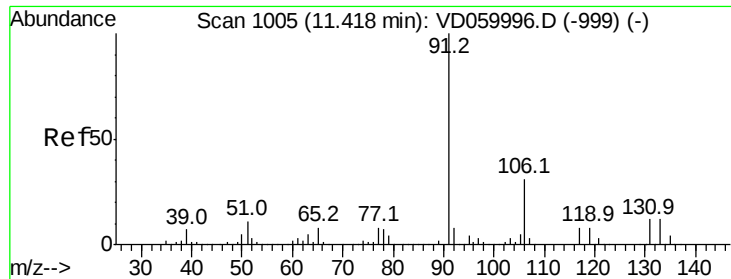
Tot Ion:112 Resp: 864131
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 23.113 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion:131 Resp: 293771
Ion Ratio Lower Upper
131 100
133 97.9 47.4 142.3
119 71.0 35.6 106.9

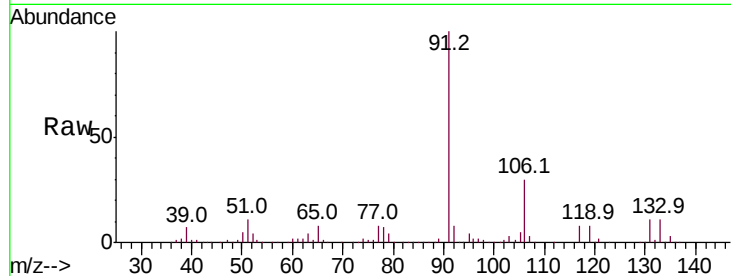




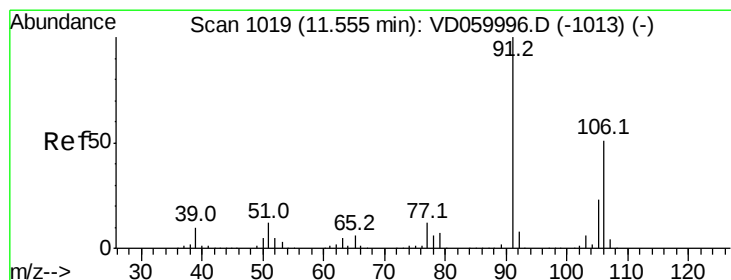
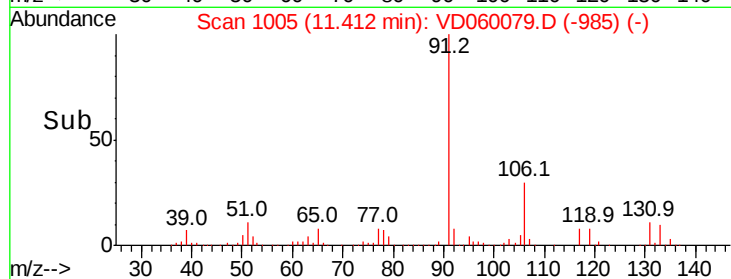
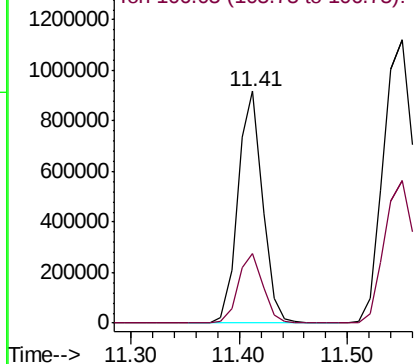
#67
Ethyl Benzene
Concen: 23.916 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1450404
Ion Ratio Lower Upper
91 100
106 29.9 24.8 37.2

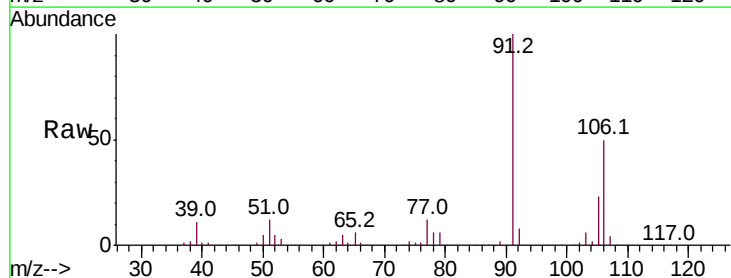


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

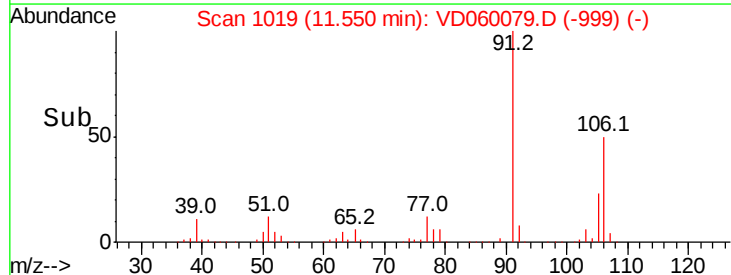
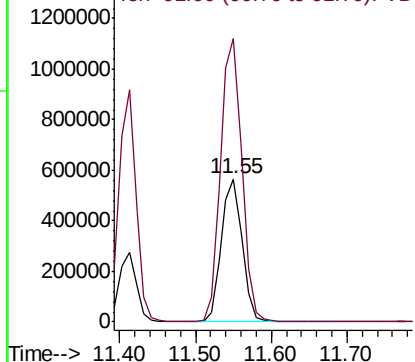


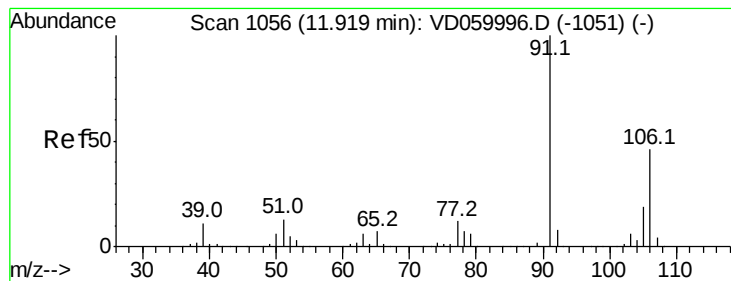
#68
m/p-Xylenes
Concen: 48.430 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion:106 Resp: 1084723
Ion Ratio Lower Upper
106 100
91 198.1 157.0 235.6



Abundance Ion 106.05 (105.75 to 106.75): VDC
Ion 91.00 (90.70 to 91.70): VDC





#69

o-Xylene

Concen: 23.110 ug/l

RT: 11.91 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

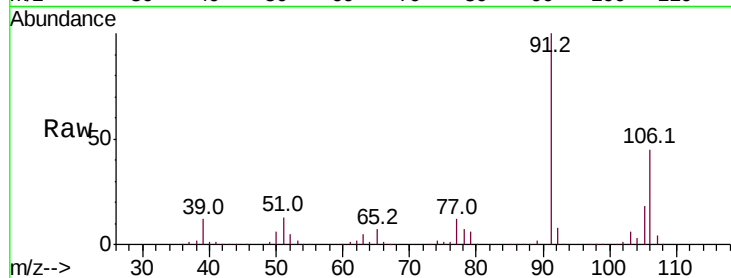
ClientSampled :

Tot Ion:106 Resp: 512868

Ion Ratio Lower Upper

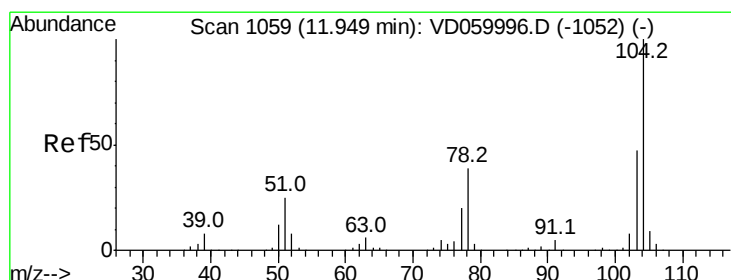
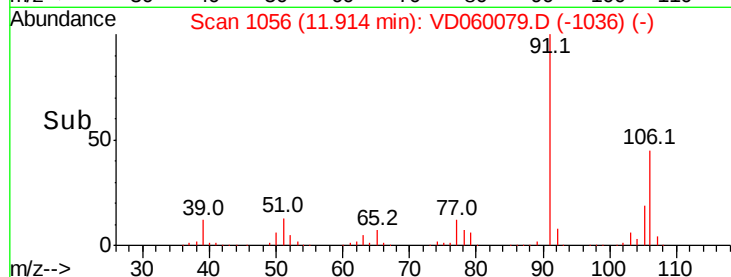
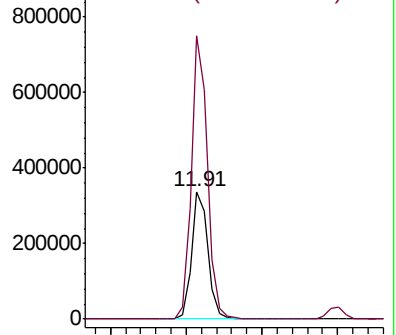
106 100

91 222.1 107.7 323.1



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 23.677 ug/l

RT: 11.94 min Scan# 1059

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

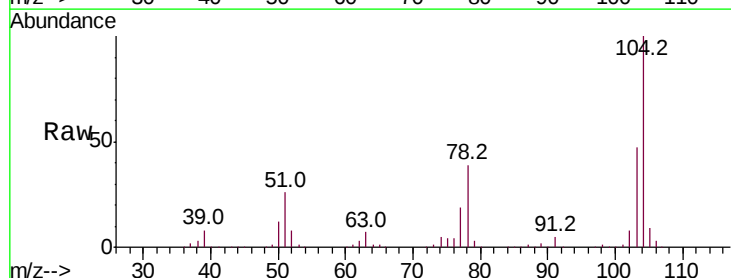
Tgt Ion:104 Resp: 883508

Ion Ratio Lower Upper

104 100

78 38.6 31.0 46.4

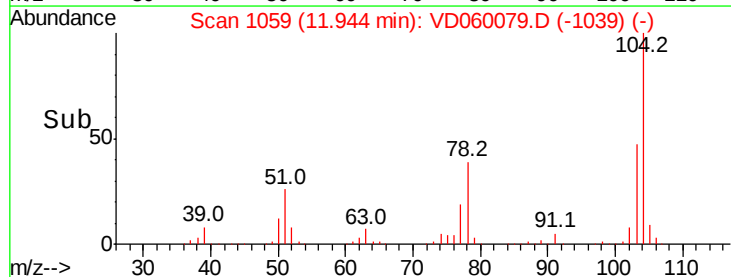
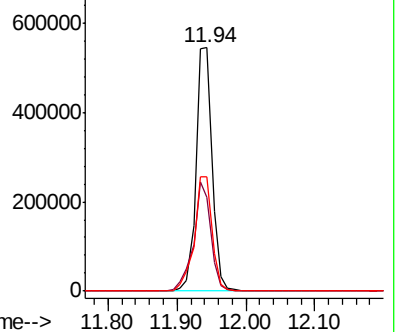
103 46.8 37.6 56.4

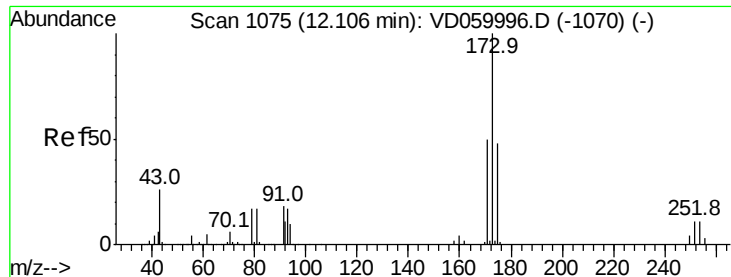


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 20.578 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

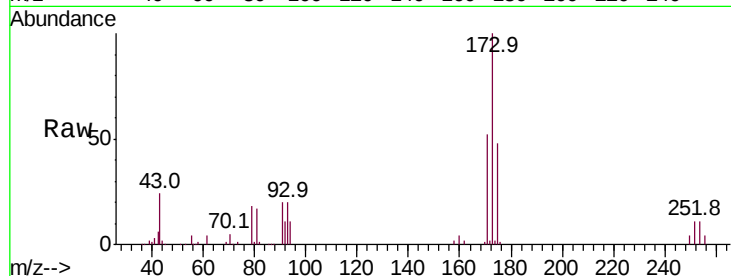
Tot Ion:173 Resp: 224718

Ion Ratio Lower Upper

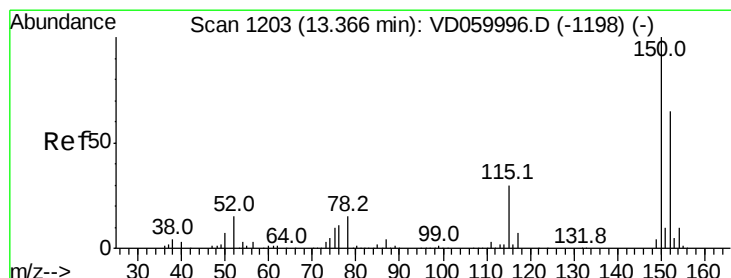
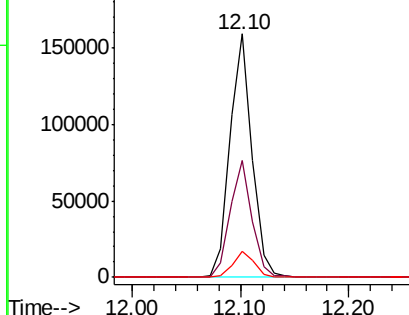
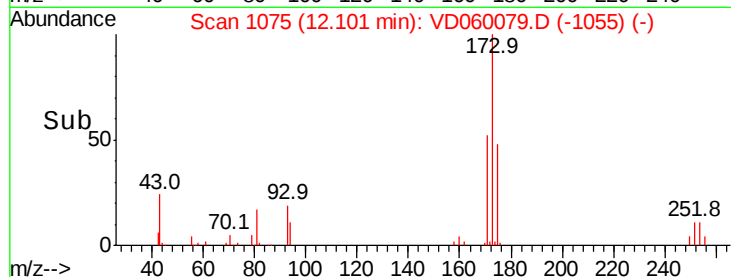
173 100

175 48.1 24.0 72.0

254 10.9 8.6 13.0



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

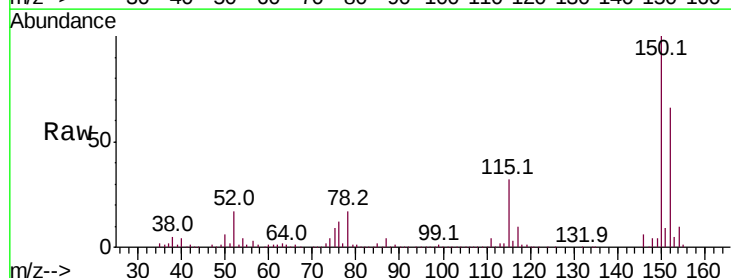
Tgt Ion:152 Resp: 946425

Ion Ratio Lower Upper

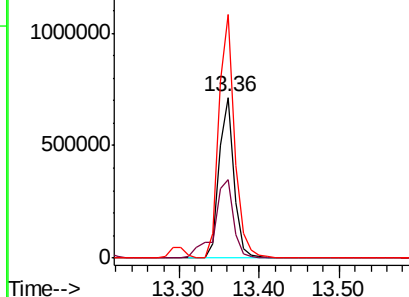
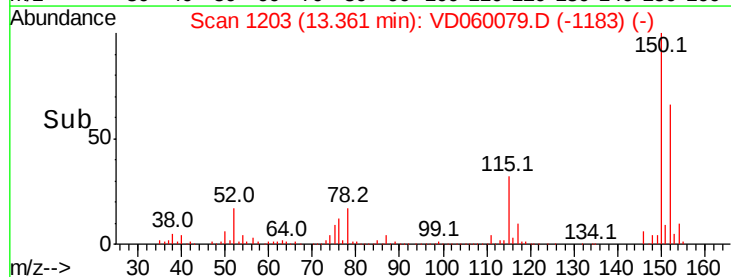
152 100

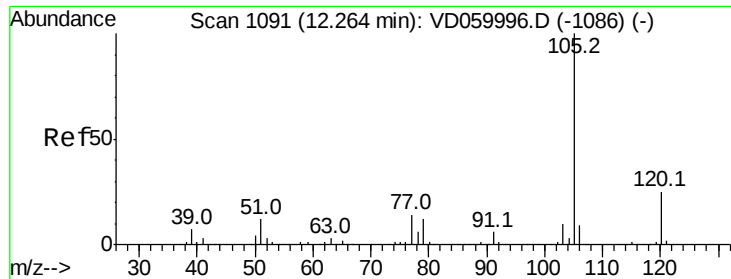
115 48.9 24.6 73.8

150 151.5 0.0 313.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

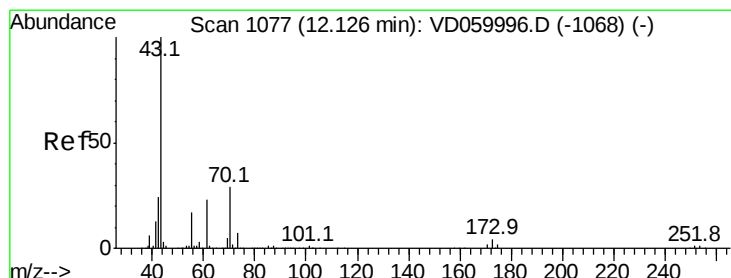
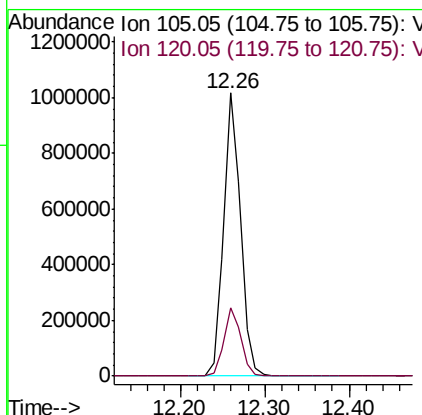
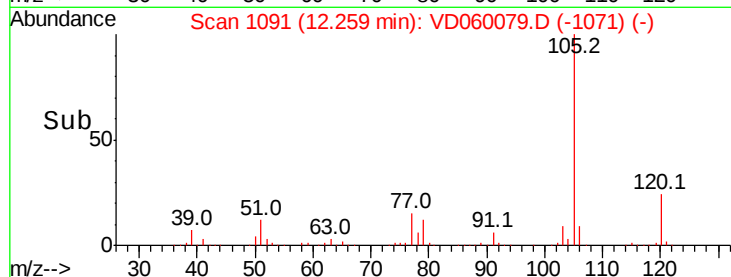
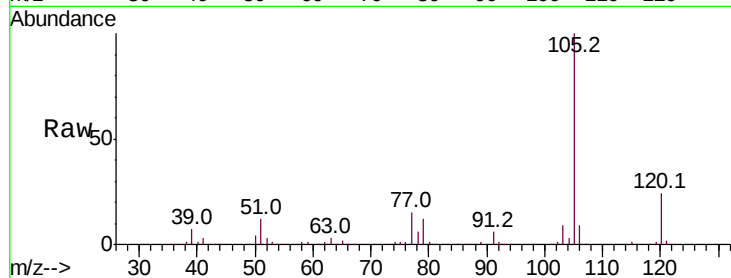




#73
Isopropylbenzene
Concen: 22.846 ug/l
RT: 12.26 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

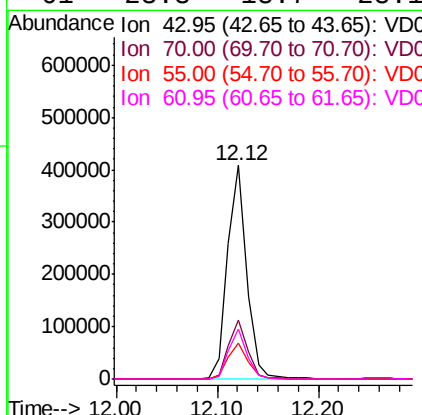
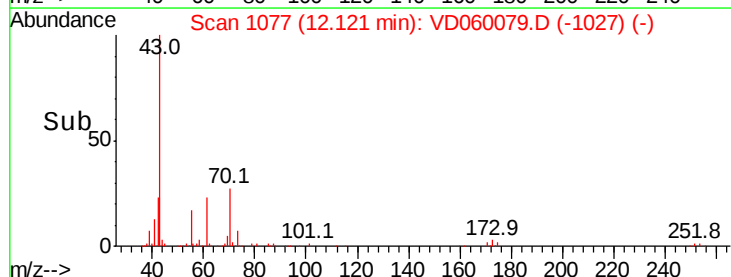
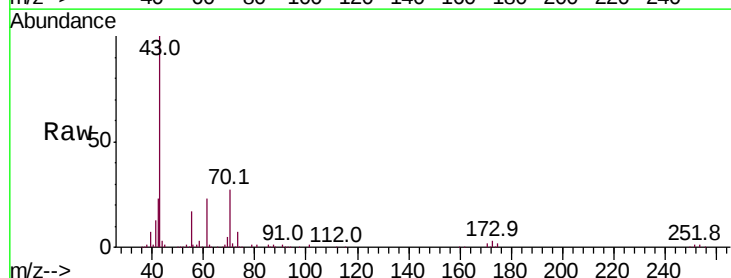
Instrument :
MSVOA_D
ClientSampled :

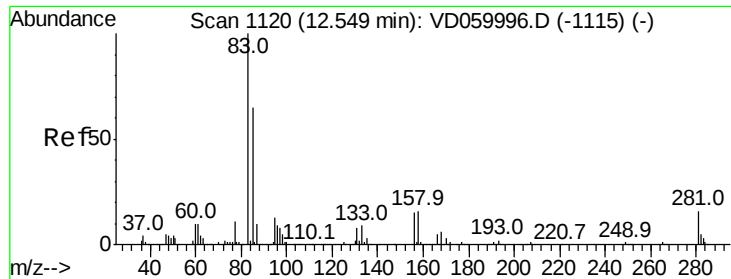
Tot Ion:105 Resp: 1418050
Ion Ratio Lower Upper
105 100
120 24.2 12.3 36.9



#74
N-ethyl acetate
Concen: 21.938 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 43 Resp: 539394
Ion Ratio Lower Upper
43 100
70 27.4 22.9 34.3
55 16.7 14.0 21.0
61 23.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.638 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

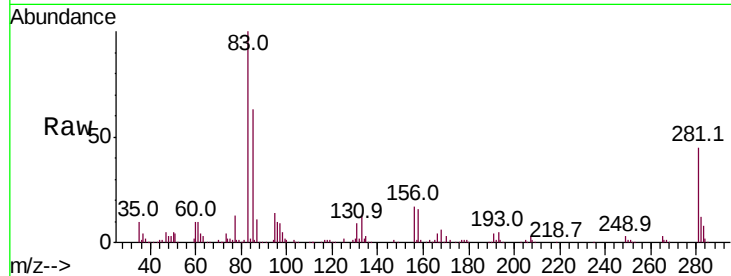
Tot Ion: 83 Resp: 318772

Ion Ratio Lower Upper

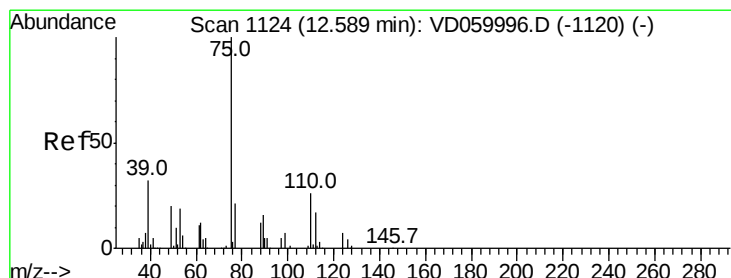
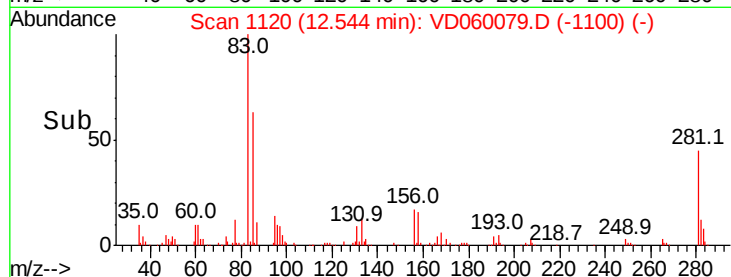
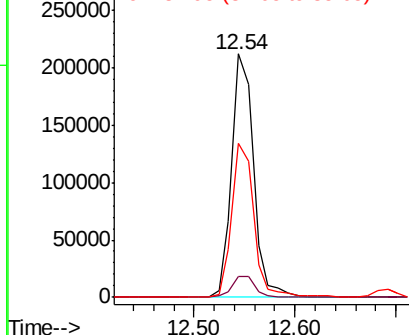
83 100

131 8.7 4.1 12.3

85 63.0 32.4 97.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.841 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VD060079.D

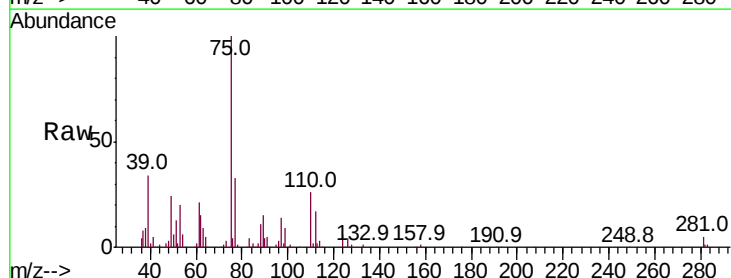
Acq: 24 Sep 2018 13:51

Tgt Ion: 75 Resp: 301244

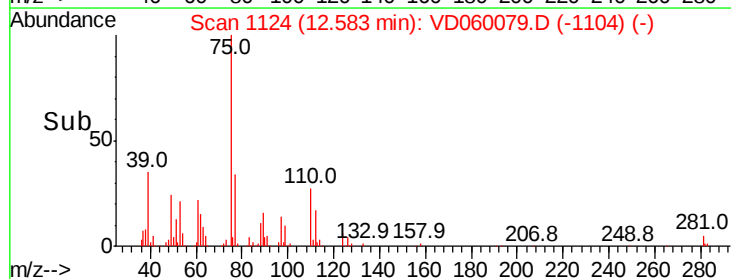
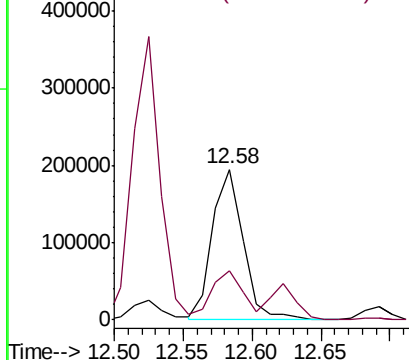
Ion Ratio Lower Upper

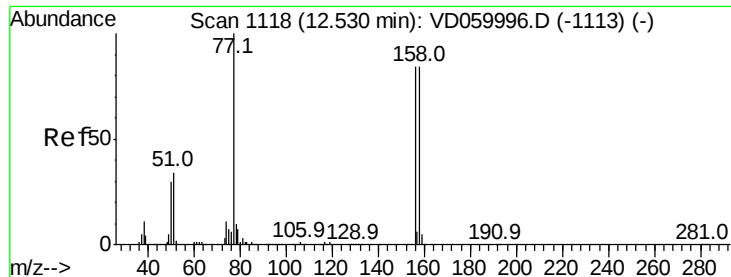
75 100

77 32.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.479 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

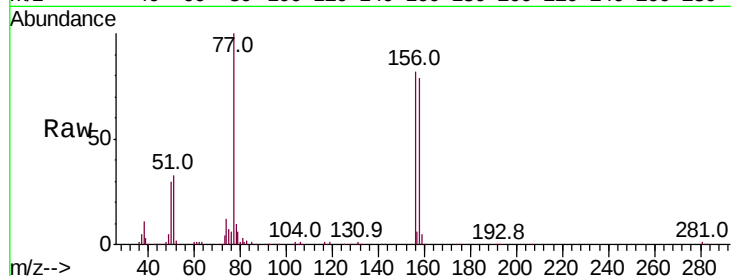
Tot Ion:156 Resp: 401921

Ion Ratio Lower Upper

156 100

77 121.5 59.5 178.4

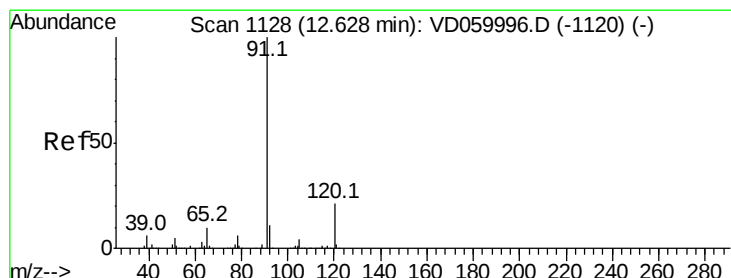
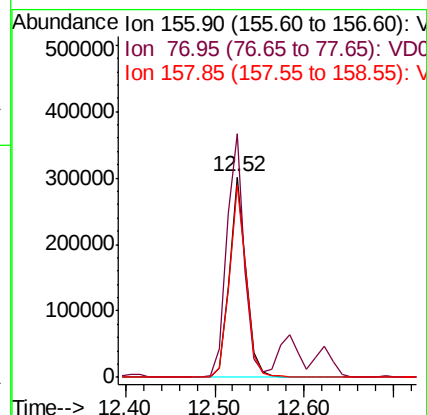
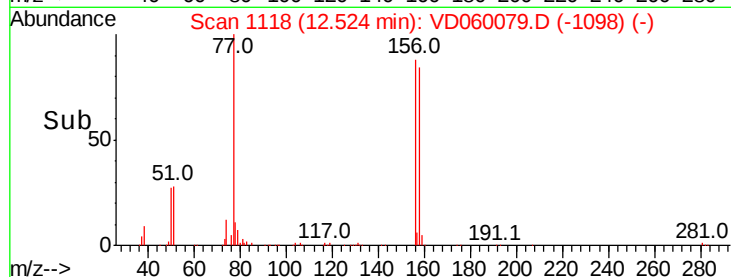
158 96.0 50.0 149.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.012 ug/l

RT: 12.62 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VD060079.D

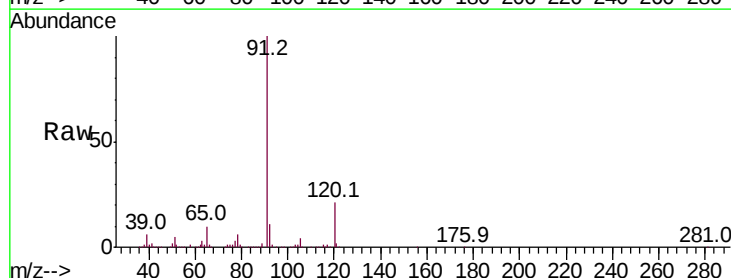
Acq: 24 Sep 2018 13:51

Tgt Ion: 91 Resp: 1796245

Ion Ratio Lower Upper

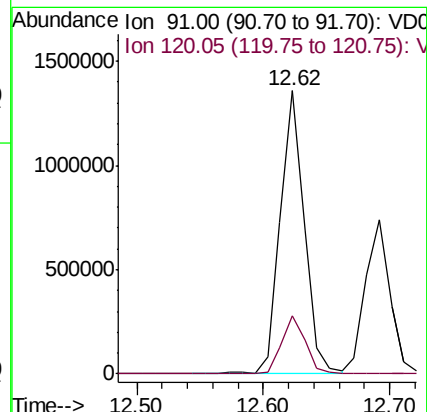
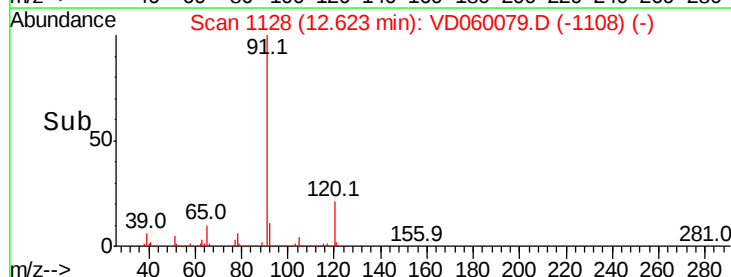
91 100

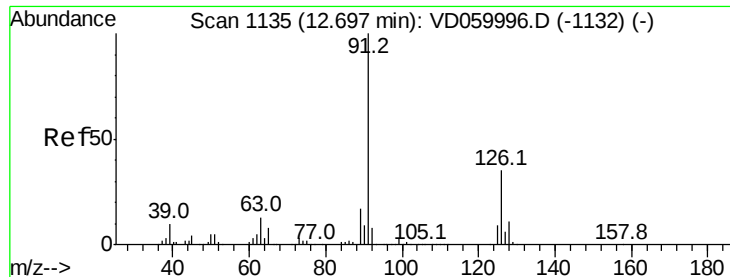
120 20.5 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.658 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

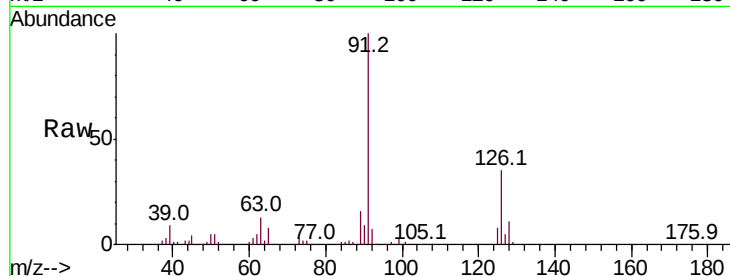
ClientSampled :

Tot Ion: 91 Resp: 998204

Ion Ratio Lower Upper

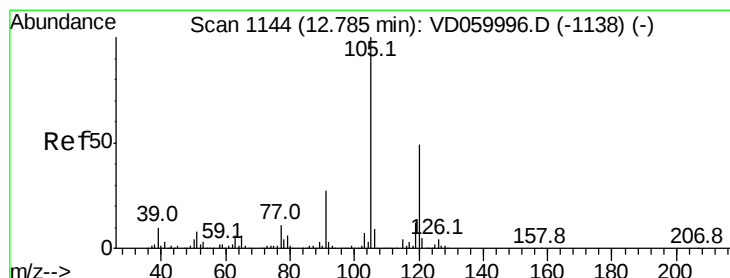
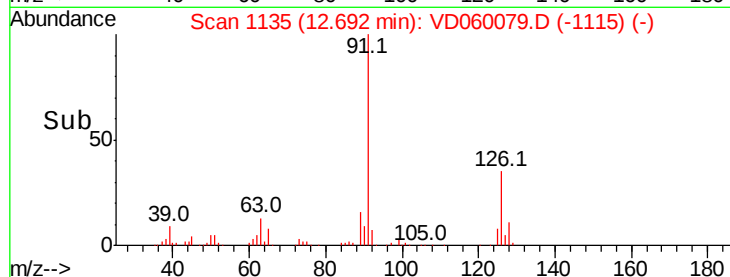
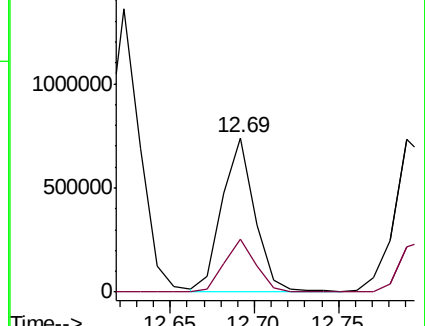
91 100

126 34.5 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 24.171 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060079.D

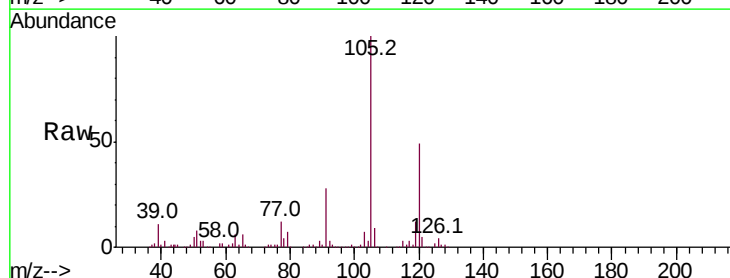
Acq: 24 Sep 2018 13:51

Tgt Ion:105 Resp: 1149945

Ion Ratio Lower Upper

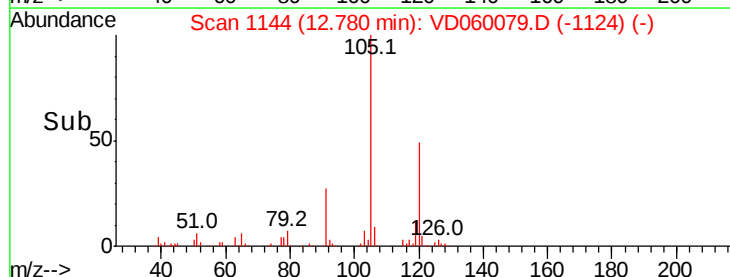
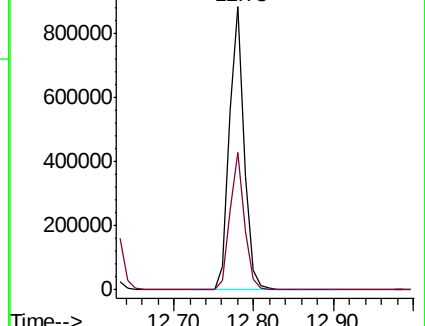
105 100

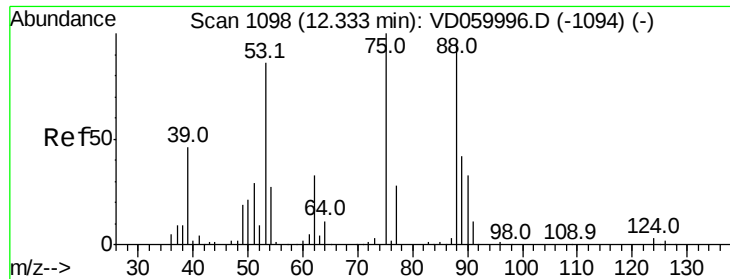
120 48.6 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.965 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

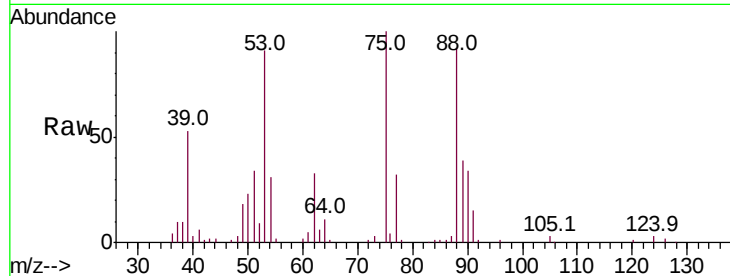
Tot Ion: 75 Resp: 87115

Ion Ratio Lower Upper

75 100

53 91.1 68.4 102.6

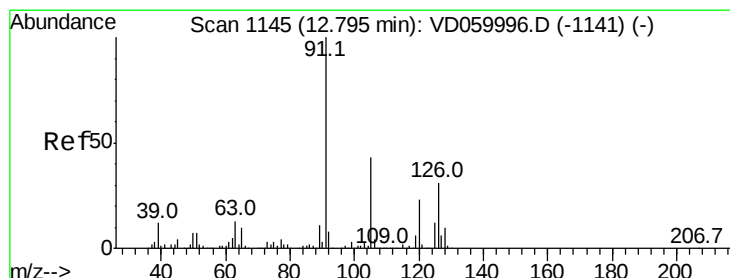
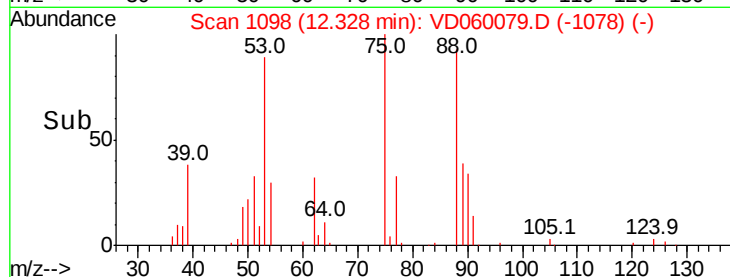
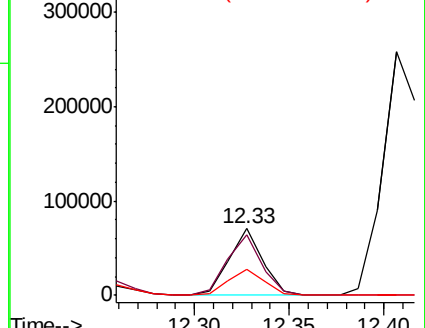
89 38.8 33.8 50.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 23.374 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060079.D

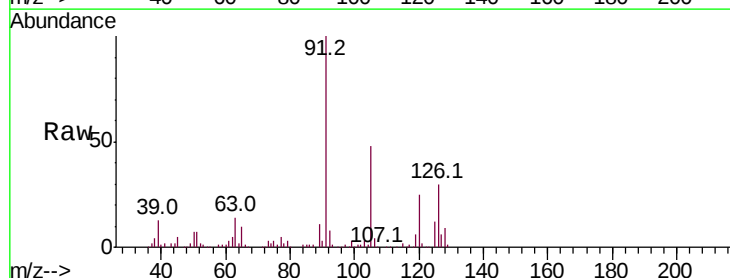
Acq: 24 Sep 2018 13:51

Tgt Ion: 91 Resp: 1132162

Ion Ratio Lower Upper

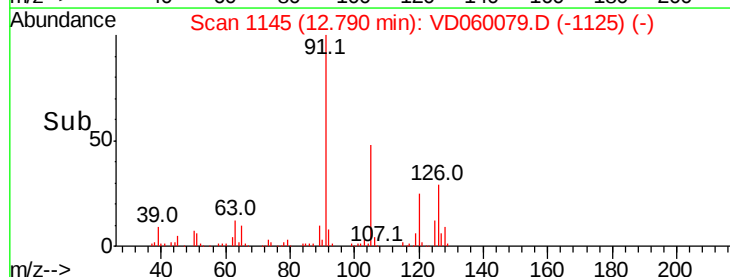
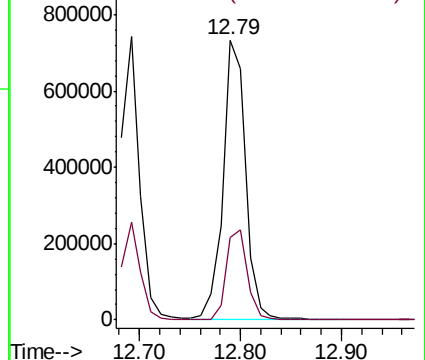
91 100

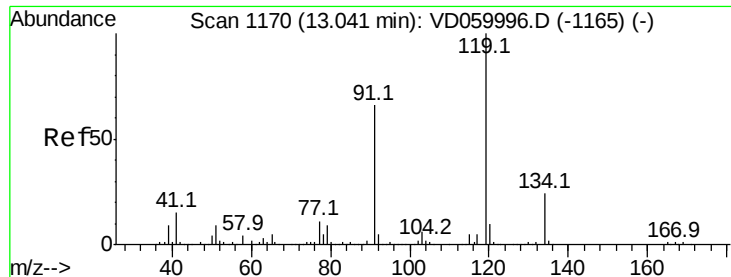
126 29.5 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

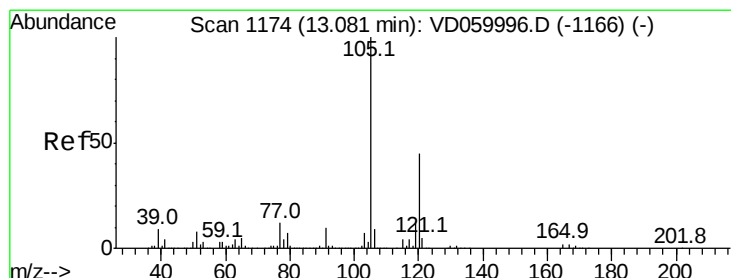
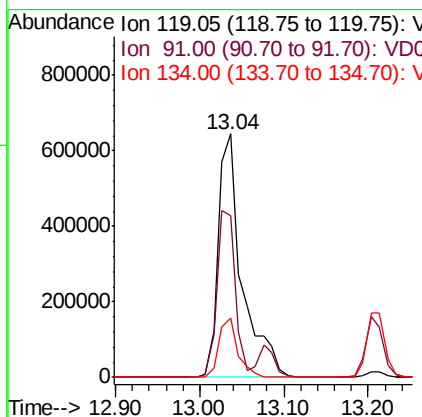
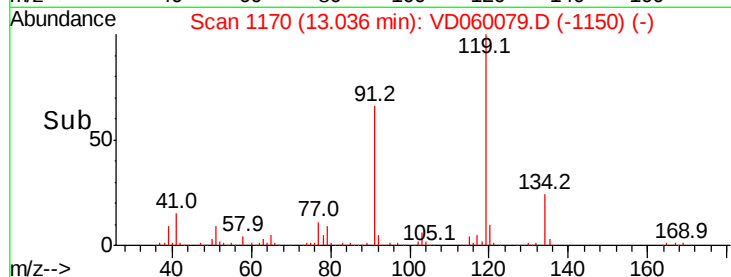
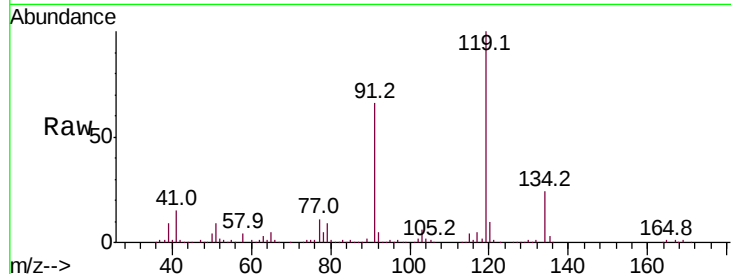




#83
 tert-Butylbenzene
 Concen: 22.849 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

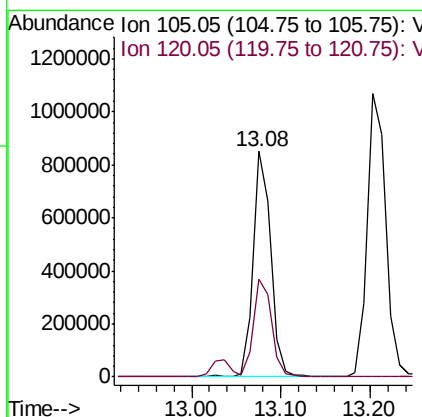
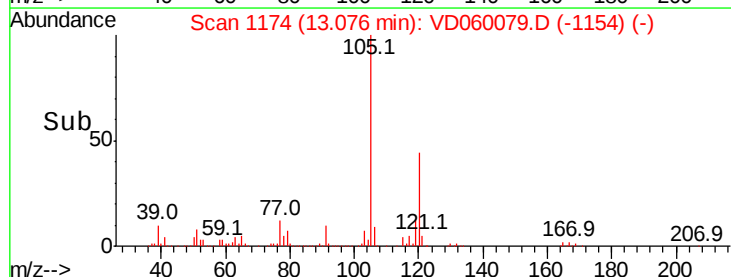
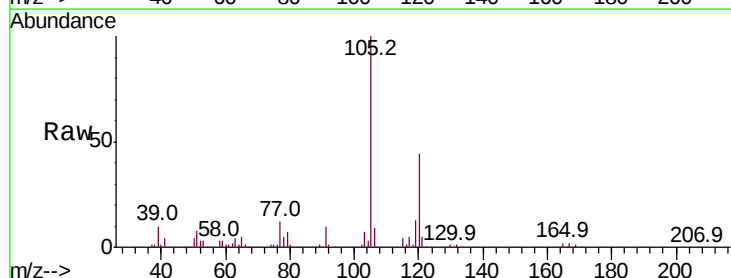
Instrument :
 MSVOA_D
 ClientSampled :

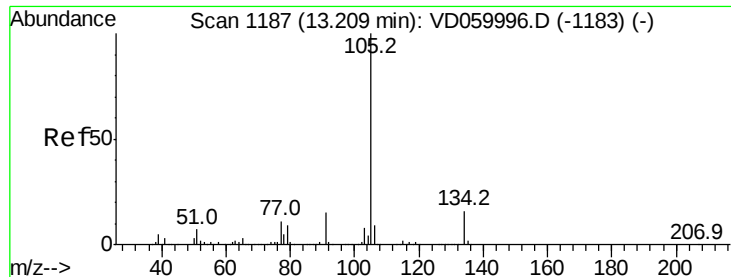
Tot Ion:119 Resp: 1259357
 Ion Ratio Lower Upper
 119 100
 91 66.3 32.9 98.6
 134 24.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.688 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion:105 Resp: 1151839
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.4 67.0





#85

sec-Butylbenzene

Concen: 23.157 ug/l

RT: 13.20 min Scan# 1187

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

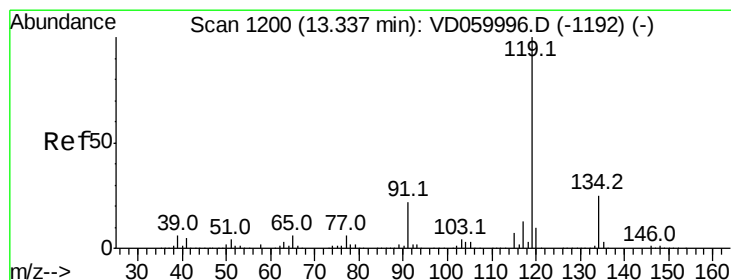
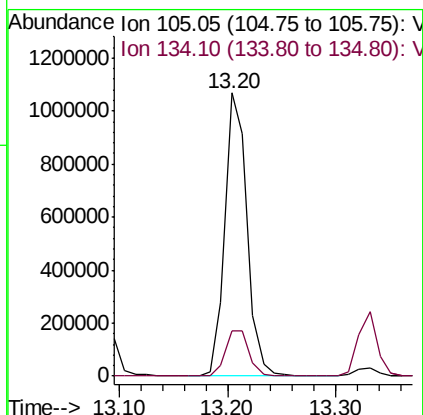
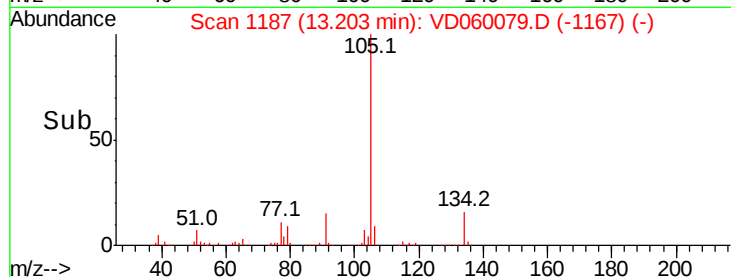
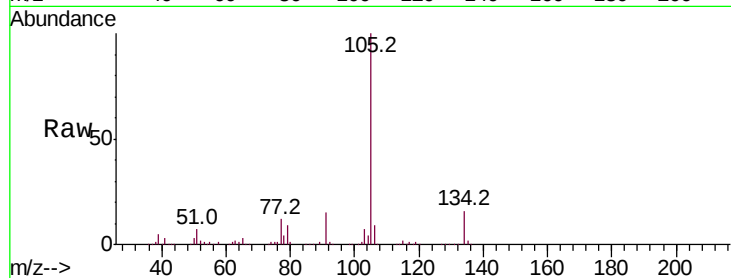
ClientSampled :

Tot Ion:105 Resp: 1515064

Ion Ratio Lower Upper

105 100

134 16.1 8.2 24.6



#86

p-Isopropyltoluene

Concen: 23.433 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

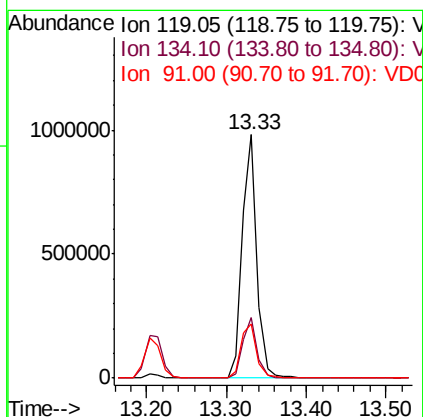
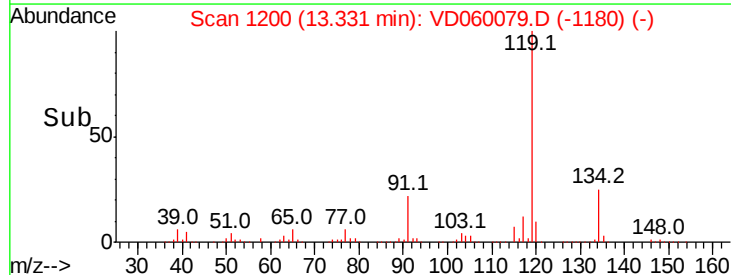
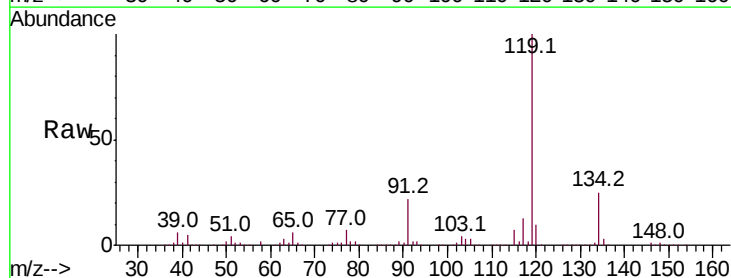
Tgt Ion:119 Resp: 1239982

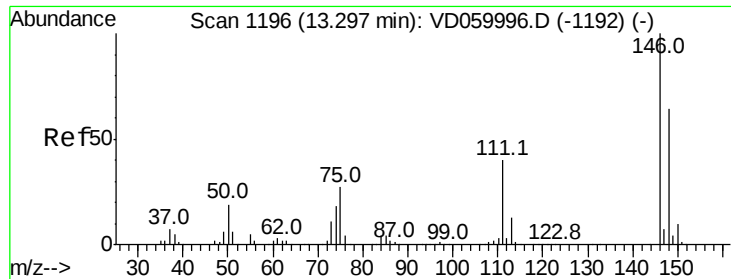
Ion Ratio Lower Upper

119 100

134 24.6 12.8 38.3

91 22.4 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 22.697 ug/l

RT: 13.29 min Scan# 1196

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

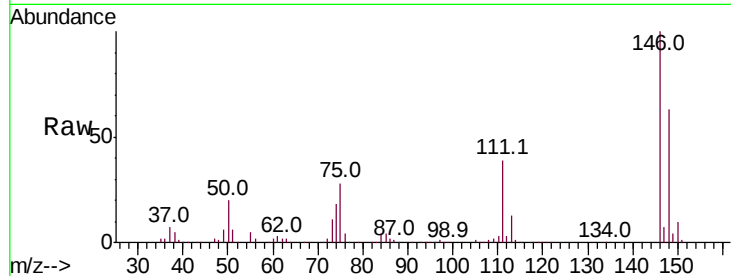
Tot Ion:146 Resp: 705718

Ion Ratio Lower Upper

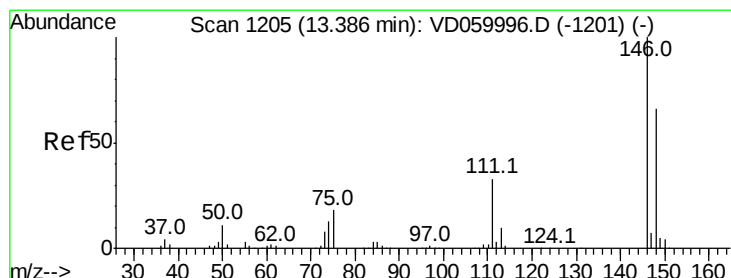
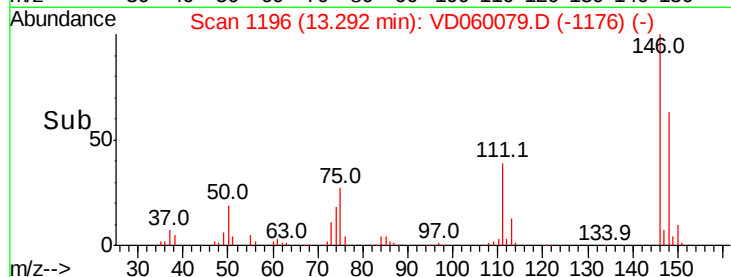
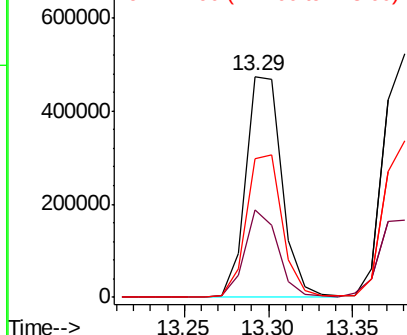
146 100

111 39.5 20.2 60.5

148 62.8 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.517 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

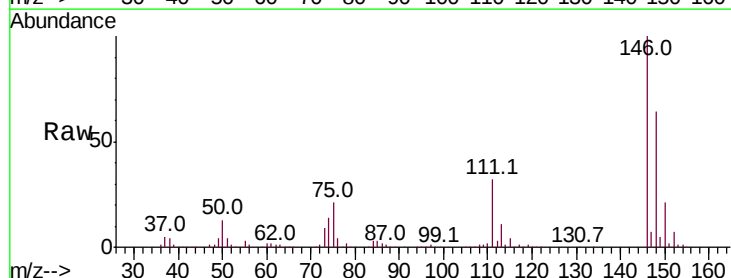
Tgt Ion:146 Resp: 710128

Ion Ratio Lower Upper

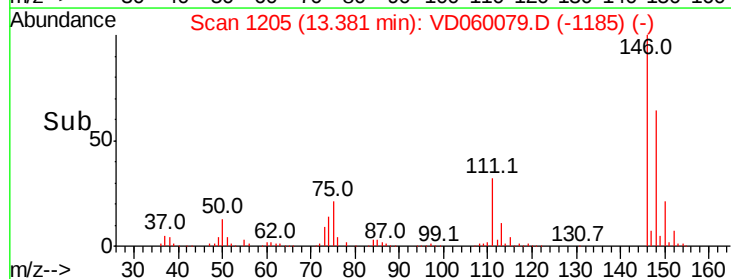
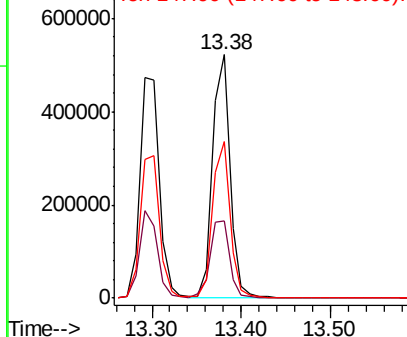
146 100

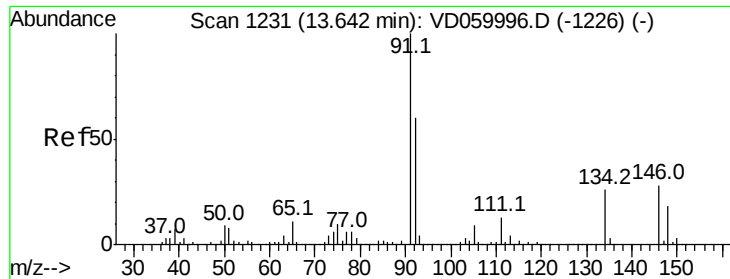
111 31.8 16.7 50.0

148 64.2 32.9 98.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

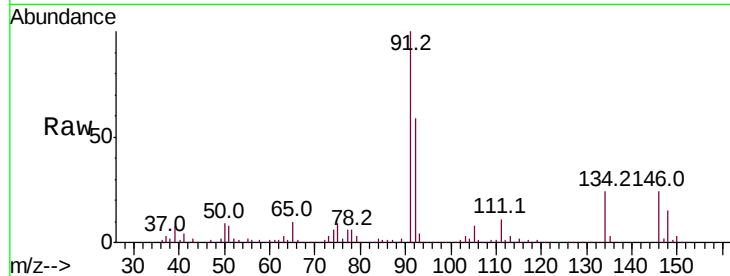




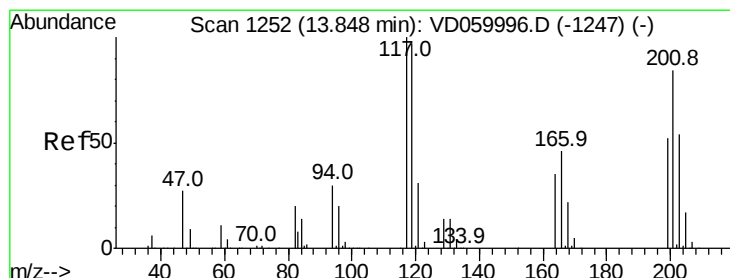
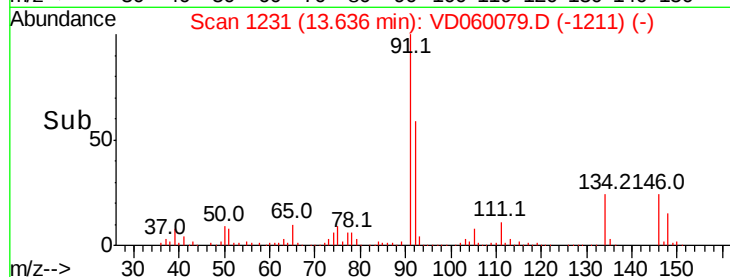
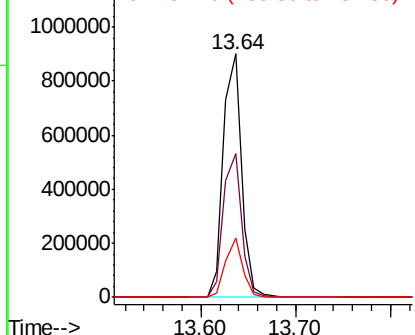
#89
n-Butylbenzene
Concen: 21.146 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 1203974
Ion Ratio Lower Upper
91 100
92 59.2 29.8 89.3
134 24.3 13.2 39.6

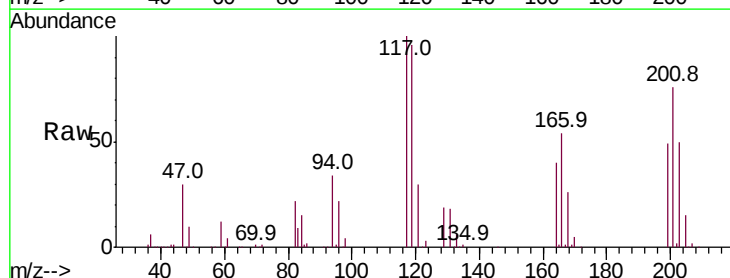


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

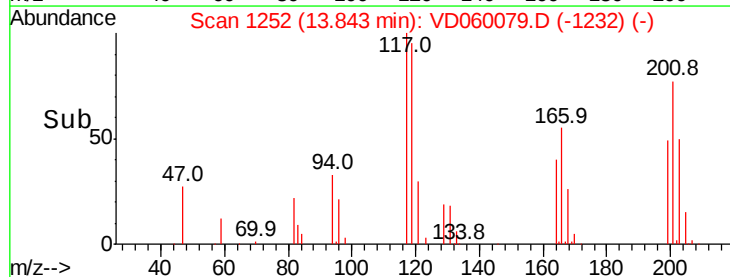
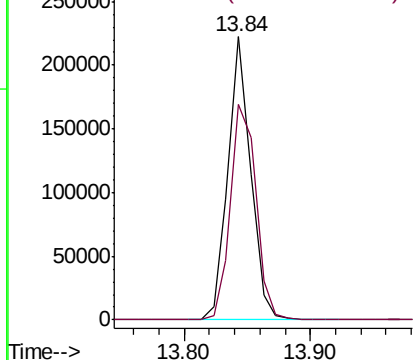


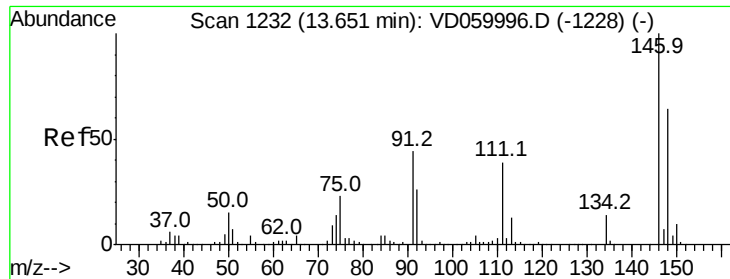
#90
Hexachloroethane
Concen: 21.003 ug/l
RT: 13.84 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 117 Resp: 275279
Ion Ratio Lower Upper
117 100
201 76.3 42.1 126.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

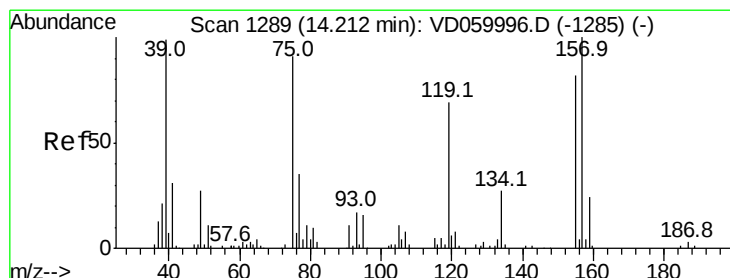
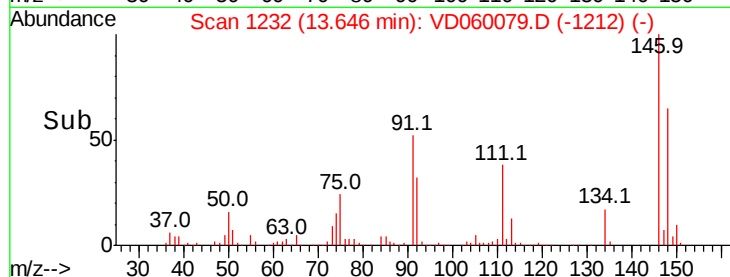
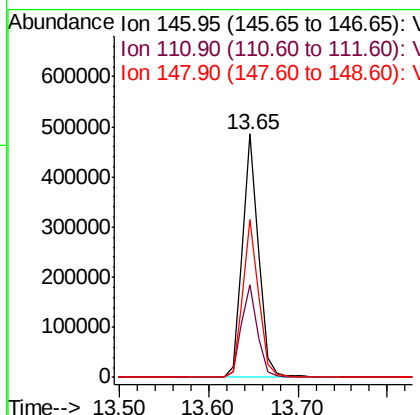
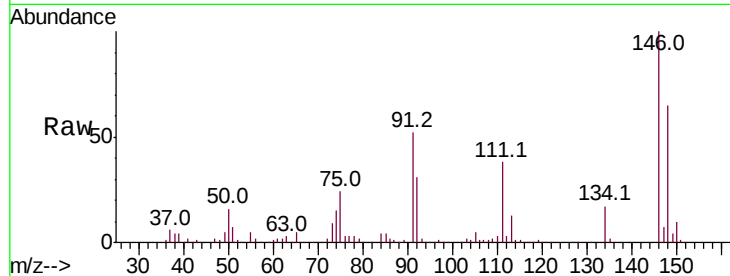




#91
 1,2-Dichlorobenzene
 Concen: 21.273 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

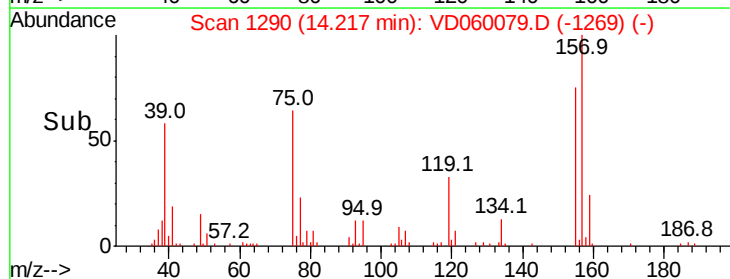
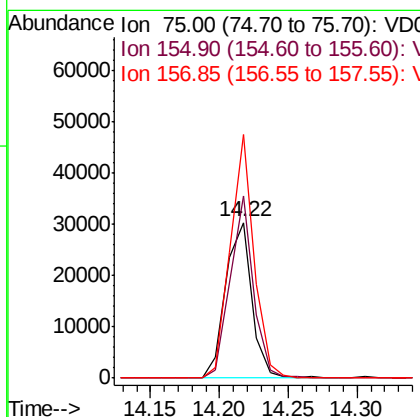
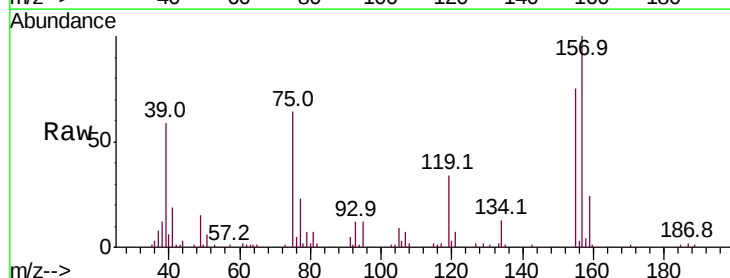
Instrument :
 MSVOA_D
 ClientSampled :

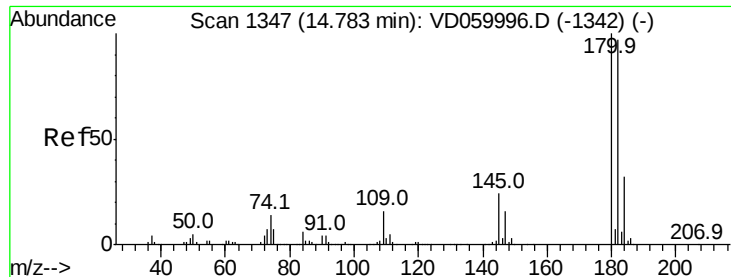
Tot Ion:146 Resp: 608683
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.6 58.7
 148 65.0 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.637 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion: 75 Resp: 40006
 Ion Ratio Lower Upper
 75 100
 155 117.2 44.7 134.1
 157 156.1 54.7 164.1

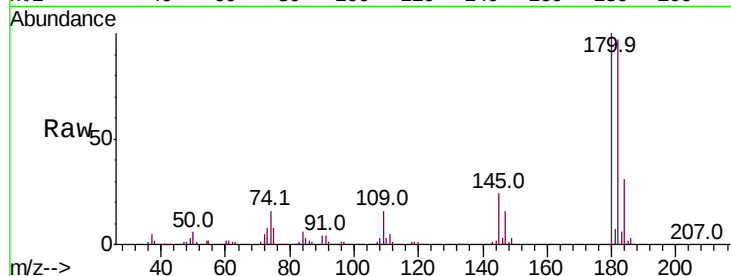




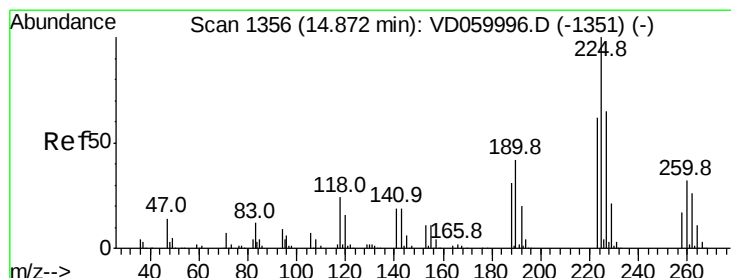
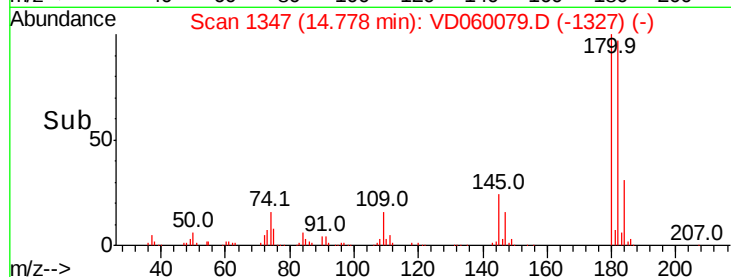
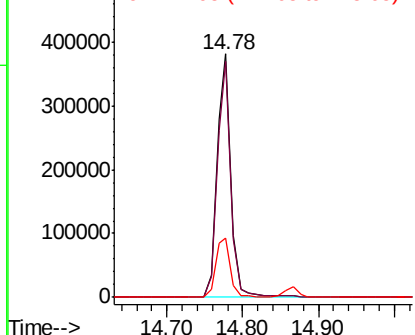
#93
1,2,4-Trichlorobenzene
Concen: 22.316 ug/l
RT: 14.78 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:180 Resp: 494453
Ion Ratio Lower Upper
180 100
182 97.0 48.5 145.6
145 24.3 11.9 35.7

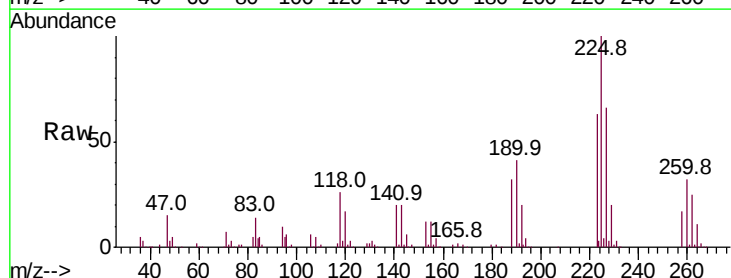


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

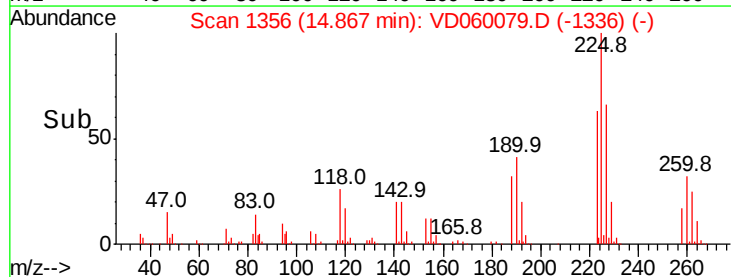
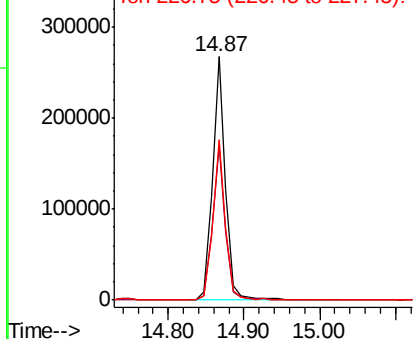


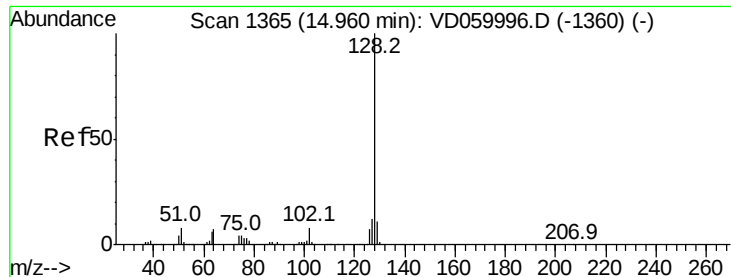
#94
Hexachlorobutadiene
Concen: 21.997 ug/l
RT: 14.87 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion:225 Resp: 322412
Ion Ratio Lower Upper
225 100
223 63.3 31.2 93.6
227 65.6 32.3 96.8



Abundance Ion 224.75 (224.45 to 225.45): V
Ion 222.75 (222.45 to 223.45): V
Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 21.436 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

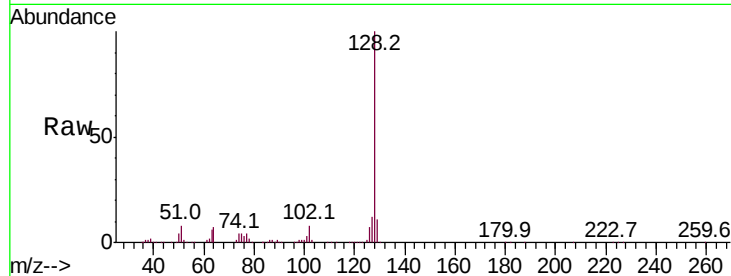
Tot Ion:128 Resp: 733505

Ion Ratio Lower Upper

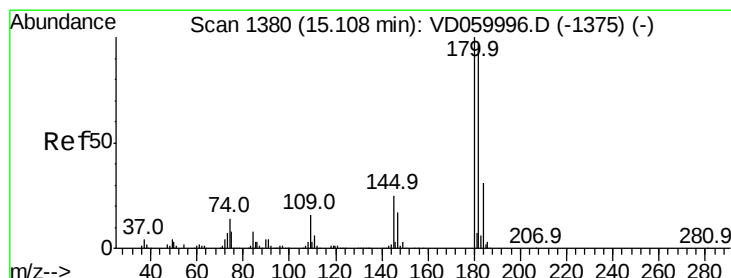
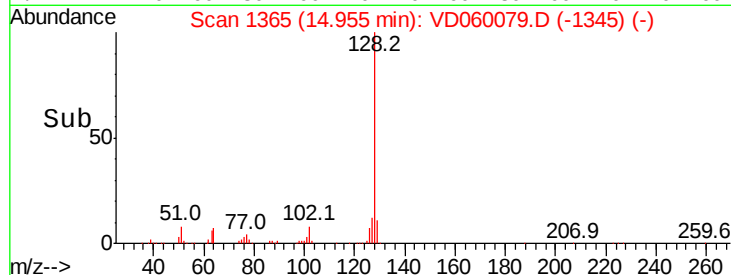
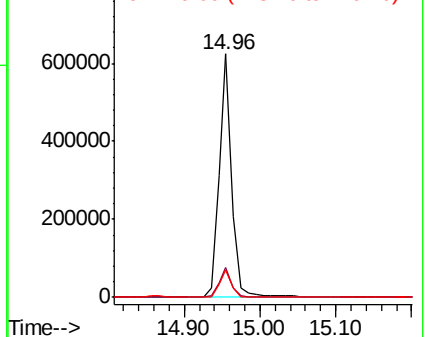
128 100

127 12.4 9.7 14.5

129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.422 ug/l

RT: 15.10 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

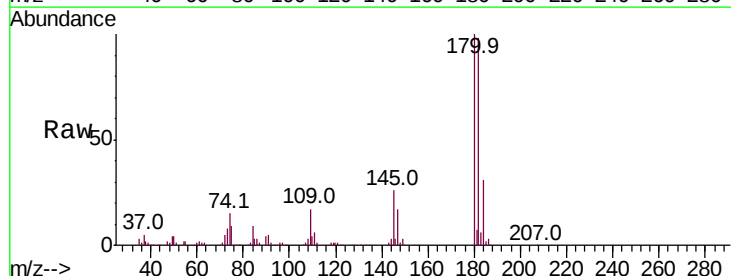
Tgt Ion:180 Resp: 418291

Ion Ratio Lower Upper

180 100

182 97.6 48.6 145.9

145 25.6 12.7 38.1



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

