

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092418\
 Data File : VD060078.D
 Acq On : 24 Sep 2018 13:23
 Operator : VA/AP
 Sample : VD0924SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 24 15:01:03 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	1615490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2283949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.26	117	1833460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	977245	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	663108	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
35) Dibromofluoromethane	6.30	113	910245	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
50) Toluene-d8	9.43	98	2560827	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.41	95	975771	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	299073	17.538	ug/l	98
3) Chloromethane	1.75	50	326936	21.704	ug/l	97
4) Vinyl Chloride	1.84	62	261326	21.581	ug/l	98
5) Bromomethane	2.12	94	25343	17.681	ug/l	97
6) Chloroethane	2.22	64	52819	19.511	ug/l	91
7) Trichlorofluoromethane	2.48	101	259168	19.440	ug/l	98
8) Diethyl Ether	2.80	74	63654	22.461	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.06	101	192747	22.928	ug/l	99
10) Methyl Iodide	3.22	142	166250	18.672	ug/l	95
11) Tert butyl alcohol	3.94	59	90656	89.180	ug/l	96
12) 1,1-Dichloroethene	3.05	96	153546	23.100	ug/l	92
13) Acrolein	2.96	56	55274	87.805	ug/l	97
14) Allyl chloride	3.50	41	315305	22.493	ug/l	96
15) Acrylonitrile	4.05	53	404360	105.380	ug/l	98
16) Acetone	3.14	43	303289	124.691	ug/l	97
17) Carbon Disulfide	3.28	76	484138	21.139	ug/l	99
18) Methyl Acetate	3.53	43	108227	21.879	ug/l	98
19) Methyl tert-butyl Ether	4.09	73	654879	21.323	ug/l	99
20) Methylene Chloride	3.69	84	402922	18.780	ug/l	96
21) trans-1,2-Dichloroethene	4.06	96	363524	20.840	ug/l	96
22) Diisopropyl ether	4.82	45	1389474	21.730	ug/l	95
23) Vinyl Acetate	4.77	43	3973294	109.682	ug/l	100
24) 1,1-Dichloroethane	4.72	63	607098	21.157	ug/l	99
25) 2-Butanone	5.59	43	784586	119.537	ug/l	99
26) 2,2-Dichloropropane	5.56	77	478432	21.446	ug/l	99
27) cis-1,2-Dichloroethene	5.56	96	387556	21.241	ug/l	95
28) Bromochloromethane	5.89	49	302460	21.928	ug/l	97
29) Tetrahydrofuran	5.92	42	374001	106.251	ug/l	99
30) Chloroform	6.07	83	622120	21.379	ug/l	98
31) Cyclohexane	6.33	56	540131	19.305	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	501914	20.796	ug/l	98
36) 1,1-Dichloropropene	6.49	75	452744	19.956	ug/l	96
37) Ethyl Acetate	5.67	43	320715	20.557	ug/l	99
38) Carbon Tetrachloride	6.46	117	410536	19.384	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	515628	20.091	ug/l	98
40) Benzene	6.76	78	1200846	20.767	ug/l	100
41) Methacrylonitrile	5.91	41	367689	44.997	ug/l #	91
42) 1,2-Dichloroethane	6.87	62	360537	20.765	ug/l	99
43) Isopropyl Acetate	8.32	43	428052	20.492	ug/l #	100
44) Trichloroethene	7.71	130	364744	20.416	ug/l	97
45) 1,2-Dichloropropane	8.08	63	329219	21.292	ug/l	99
46) Dibromomethane	8.18	93	208015	20.619	ug/l	97
47) Bromodichloromethane	8.46	83	447028	20.552	ug/l	99
48) Methyl methacrylate	8.21	41	232766	20.007	ug/l	97
49) 1,4-Dioxane	8.20	88	45619	394.788	ug/l	98
51) 4-Methyl-2-Pentanone	9.32	43	1671238	109.635	ug/l	100
52) Toluene	9.52	92	791730	21.361	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	416412	20.527	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	506868	20.912	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	260492	20.242	ug/l	95
56) Ethyl methacrylate	10.01	69	289463	20.279	ug/l	97
57) 1,3-Dichloropropane	10.36	76	398573	20.982	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.89	63	747519	108.449	ug/l	98
59) 2-Hexanone	10.47	43	1229757	112.397	ug/l	100
60) Dibromochloromethane	10.62	129	322422	20.584	ug/l	99
61) 1,2-Dibromoethane	10.73	107	264180	19.883	ug/l	99
64) Tetrachloroethene	10.23	164	336299	20.789	ug/l	98
65) Chlorobenzene	11.29	112	863615	21.909	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	302004	22.715	ug/l	99
67) Ethyl Benzene	11.41	91	1488908	23.471	ug/l	99
68) m/p-Xylenes	11.55	106	1051681	44.890	ug/l	94
69) o-Xylene	11.91	106	510550	21.993	ug/l	97
70) Styrene	11.94	104	875821	22.439	ug/l	99
71) Bromoform	12.10	173	228785	20.029	ug/l	99
73) Isopropylbenzene	12.26	105	1454760	22.698	ug/l	99
74) N-amyl acetate	12.12	43	523414	20.617	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.54	83	314955	21.662	ug/l	100
76) 1,2,3-Trichloropropane	12.58	75	310131	20.779	ug/l	98
77) Bromobenzene	12.52	156	408908	22.148	ug/l	96
78) n-propylbenzene	12.62	91	1839768	22.827	ug/l	98
79) 2-Chlorotoluene	12.69	91	999177	21.964	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	1053157	21.438	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	88699	19.687	ug/l	94
82) 4-Chlorotoluene	12.80	91	1085116	21.696	ug/l	91
83) tert-Butylbenzene	13.04	119	1273933	22.385	ug/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	1169679	22.312	ug/l	98
85) sec-Butylbenzene	13.20	105	1529133	22.635	ug/l	98
86) p-Isopropyltoluene	13.33	119	1224514	22.411	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	716484	22.317	ug/l	95
88) 1,4-Dichlorobenzene	13.38	146	713432	21.909	ug/l	99
89) n-Butylbenzene	13.64	91	1254519	21.372	ug/l	98
90) Hexachloroethane	13.84	117	280002	20.690	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	619623	20.927	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	42375	19.118	ug/l	64

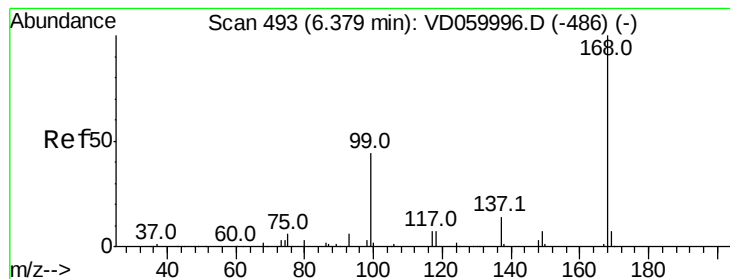
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092418\
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Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	498628	21.794	ug/l	99
94) Hexachlorobutadiene	14.87	225	325542	21.510	ug/l	100
95) Naphthalene	14.96	128	738798	20.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	417249	20.695	ug/l	99

(#) = 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. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

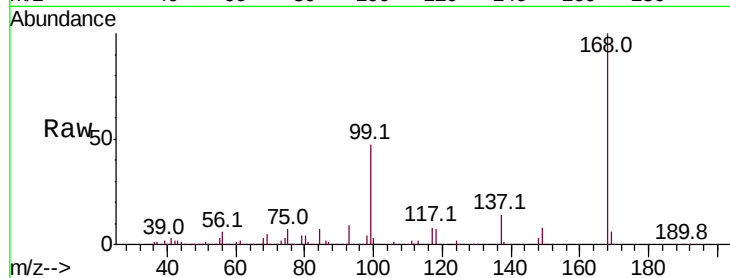
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1615490

Ion Ratio Lower Upper

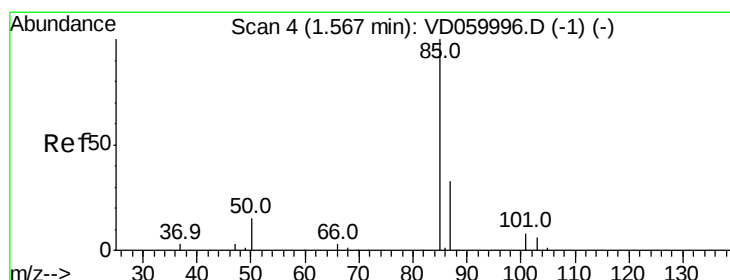
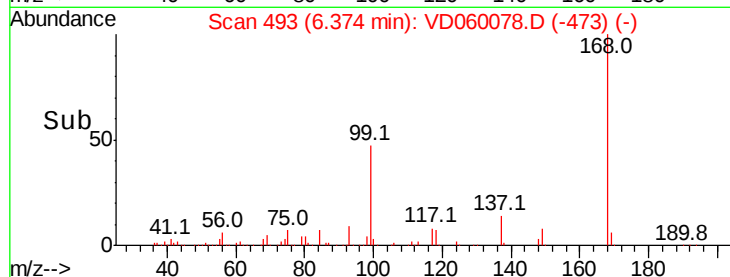
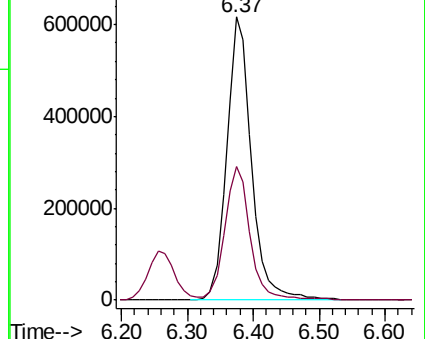
168 100

99 47.3 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.538 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.00 min

Lab File: VD060078.D

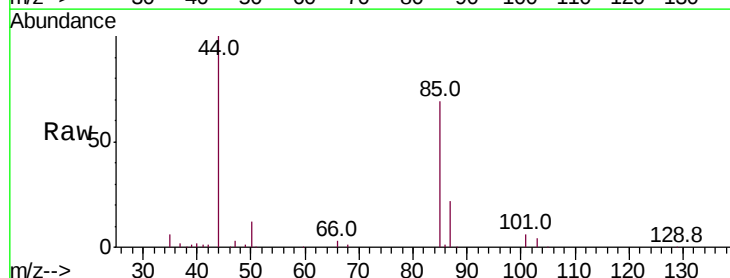
Acq: 24 Sep 2018 13:23

Tgt Ion: 85 Resp: 299073

Ion Ratio Lower Upper

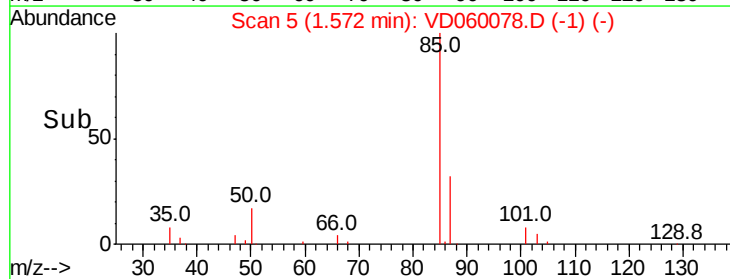
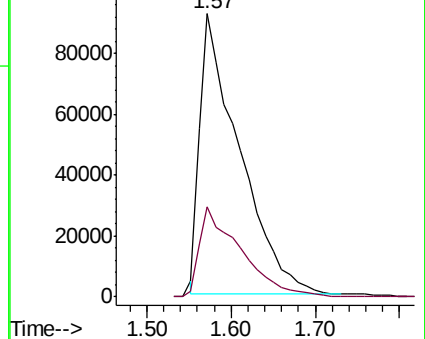
85 100

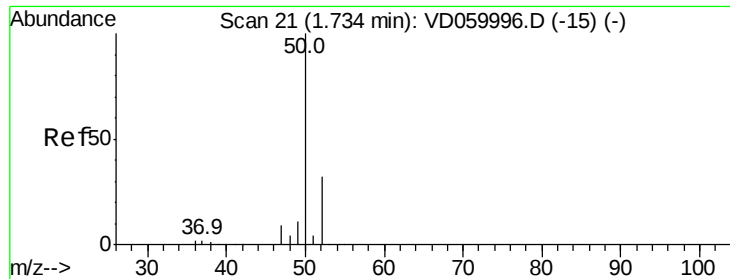
87 31.8 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

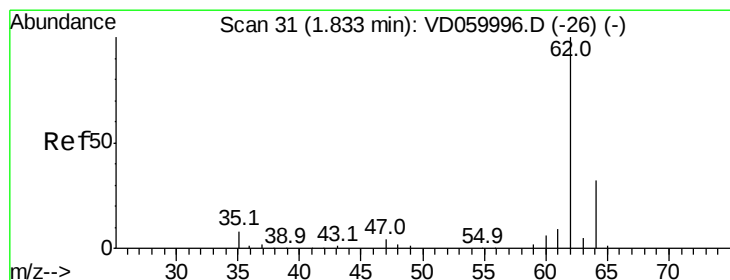
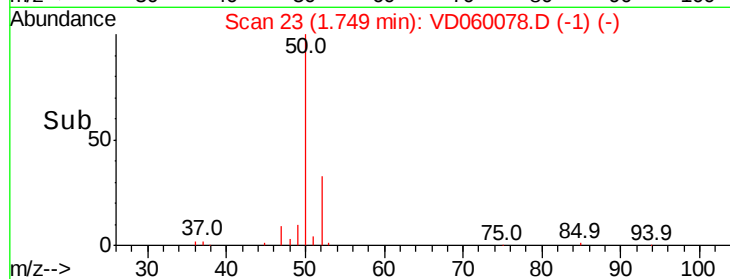
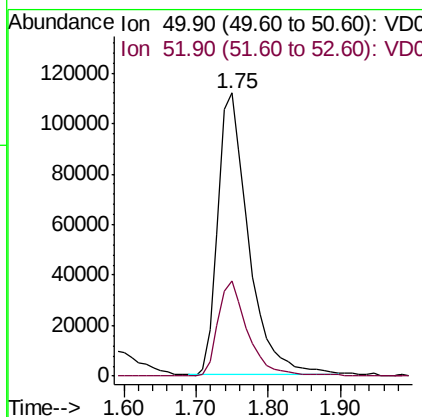
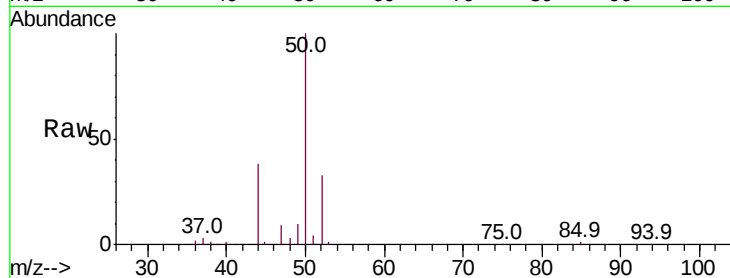




#3
Chloromethane
Concen: 21.704 ug/l
RT: 1.75 min Scan# 23
Delta R.T. 0.01 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

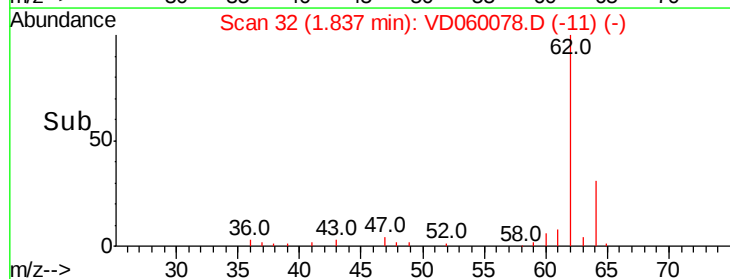
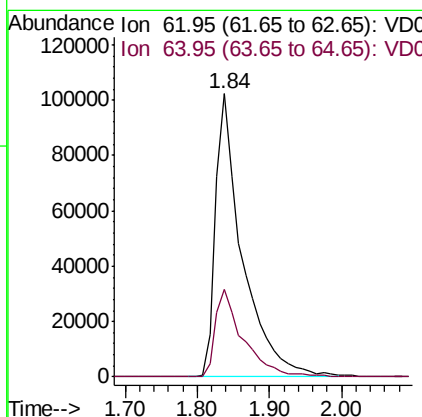
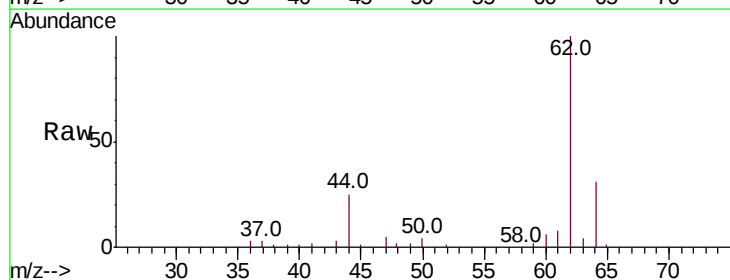
Instrument :
MSVOA_D
ClientSampled :

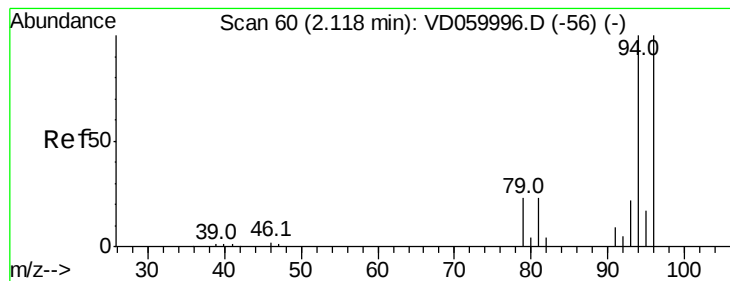
Tot Ion: 50 Resp: 326936
Ion Ratio Lower Upper
50 100
52 33.5 25.4 38.2



#4
Vinyl Chloride
Concen: 21.581 ug/l
RT: 1.84 min Scan# 32
Delta R.T. 0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion: 62 Resp: 261326
Ion Ratio Lower Upper
62 100
64 31.0 25.5 38.3





#5

Bromomethane

Concen: 17.681 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

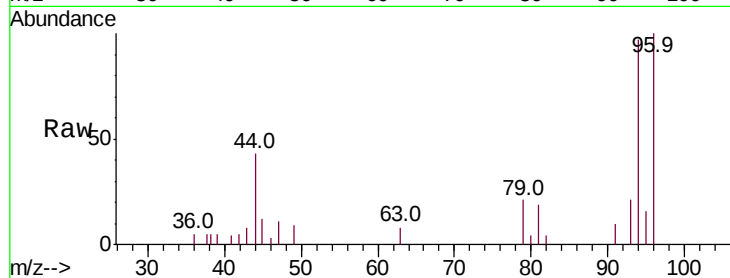
ClientSampled :

Tot Ion: 94 Resp: 25343

Ion Ratio Lower Upper

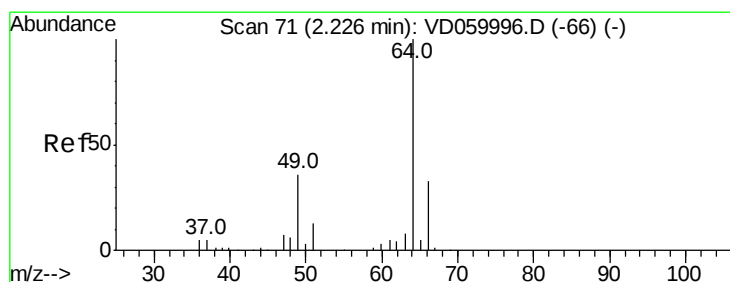
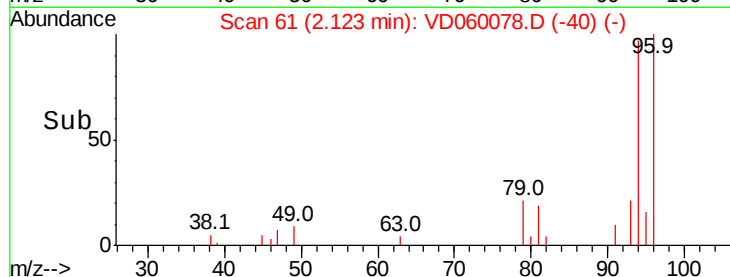
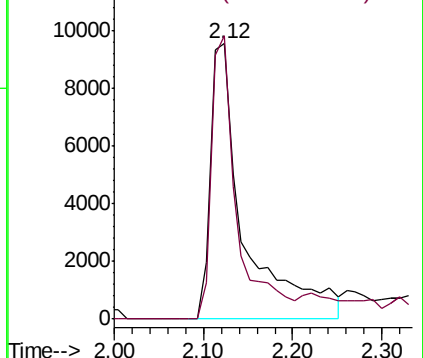
94 100

96 102.8 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: 19.511 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.00 min

Lab File: VD060078.D

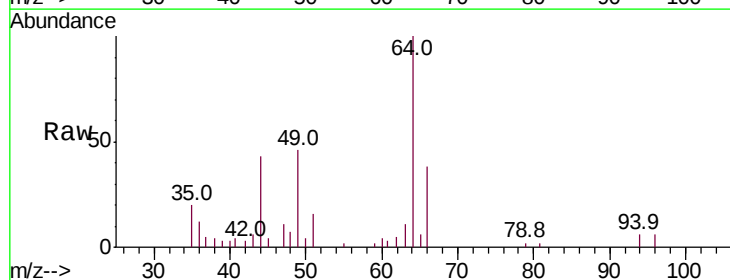
Acq: 24 Sep 2018 13:23

Tgt Ion: 64 Resp: 52819

Ion Ratio Lower Upper

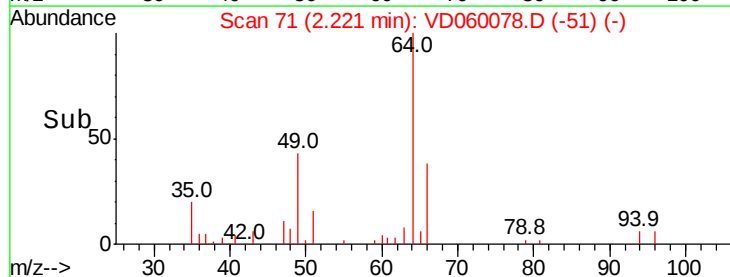
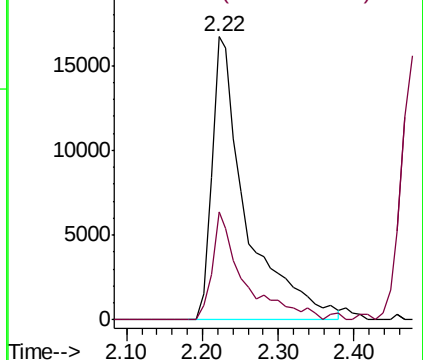
64 100

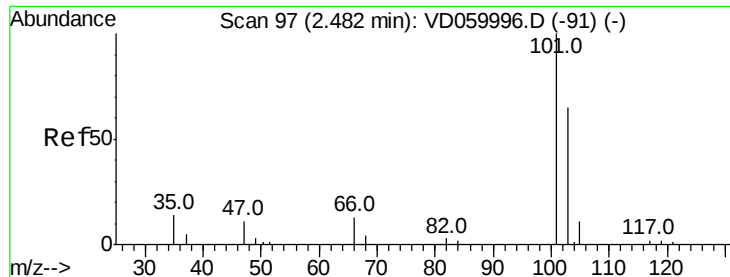
66 38.2 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



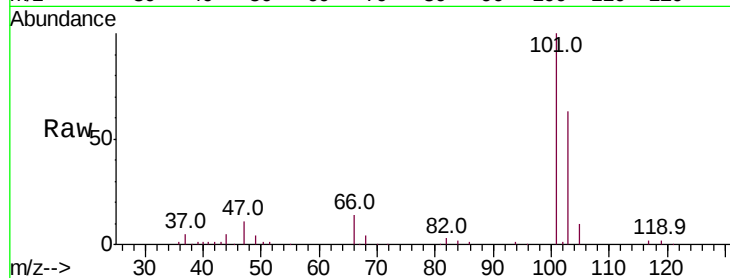


#7

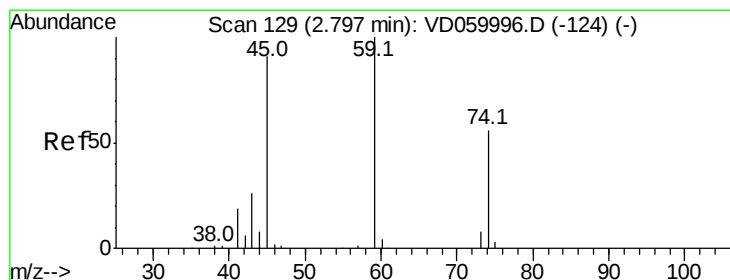
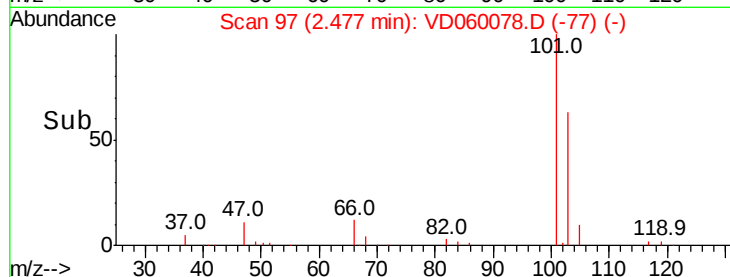
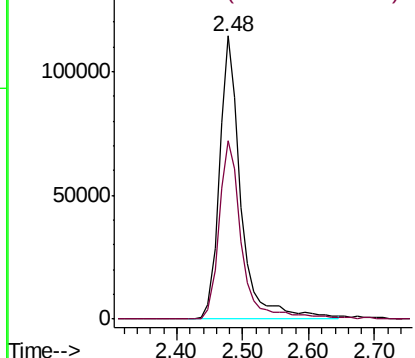
Trichlorofluoromethane
 Concen: 19.440 ug/l
 RT: 2.48 min Scan# 97
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 259168
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.6 77.4



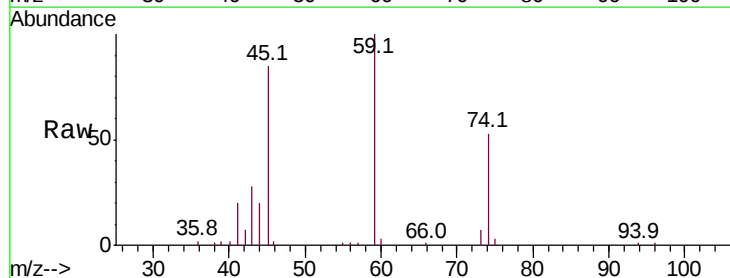
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



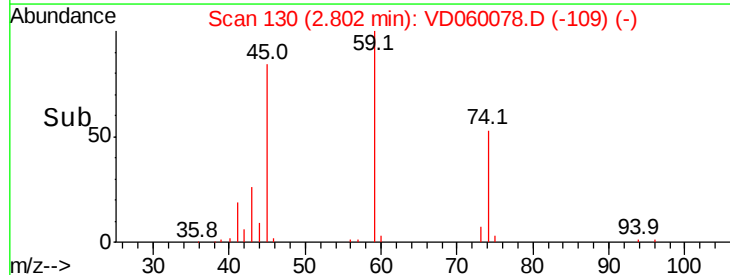
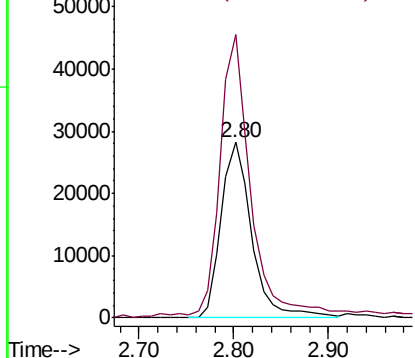
#8

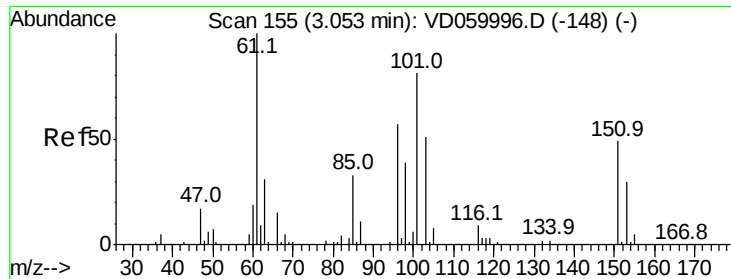
Diethyl Ether
 Concen: 22.461 ug/l
 RT: 2.80 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion: 74 Resp: 63654
 Ion Ratio Lower Upper
 74 100
 45 161.3 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: 22.928 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

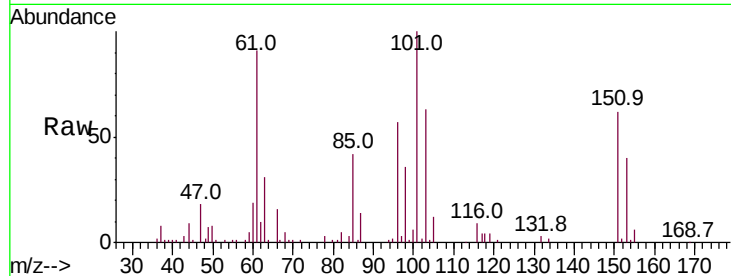
Tot Ion:101 Resp: 192747

Ion Ratio Lower Upper

101 100

85 41.5 33.1 49.7

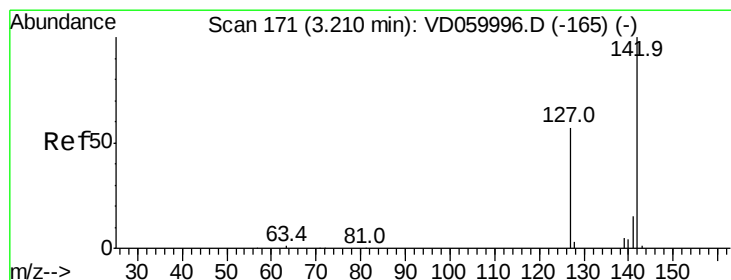
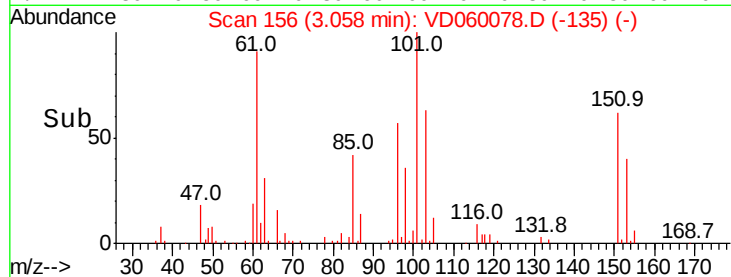
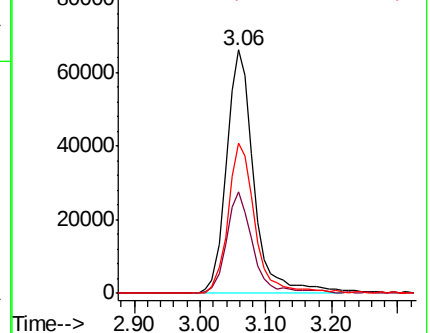
151 61.6 48.2 72.4



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: 18.672 ug/l

RT: 3.22 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

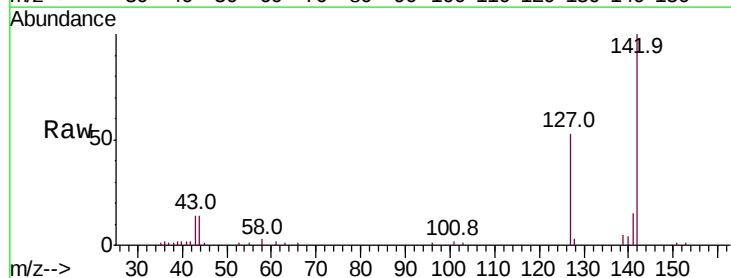
Tgt Ion:142 Resp: 166250

Ion Ratio Lower Upper

142 100

127 52.7 45.8 68.8

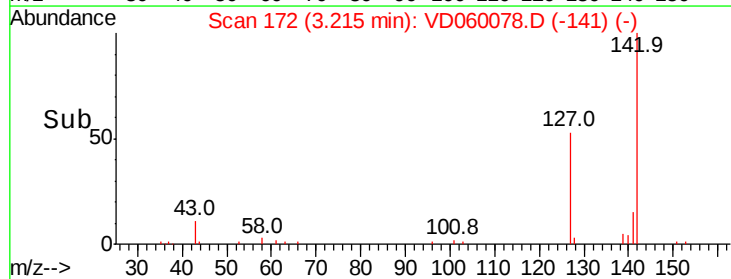
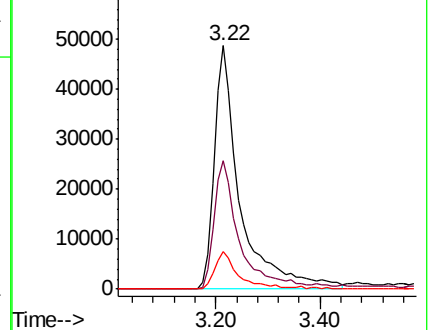
141 15.3 12.2 18.4

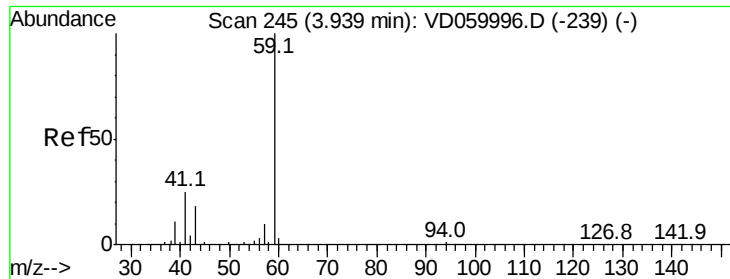


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 89.180 ug/l

RT: 3.94 min Scan# 246

Delta R.T. 0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

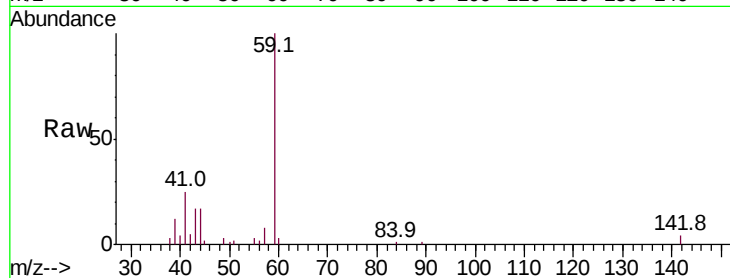
ClientSampleId :

Tot Ion: 59 Resp: 90656

Ion Ratio Lower Upper

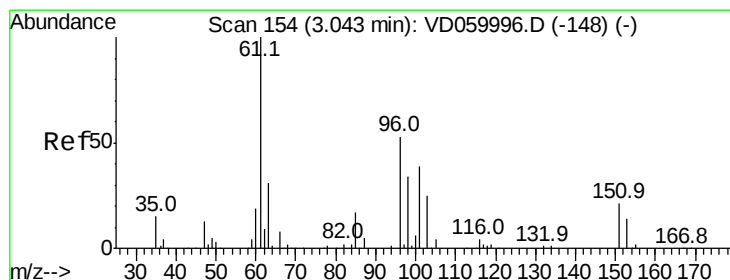
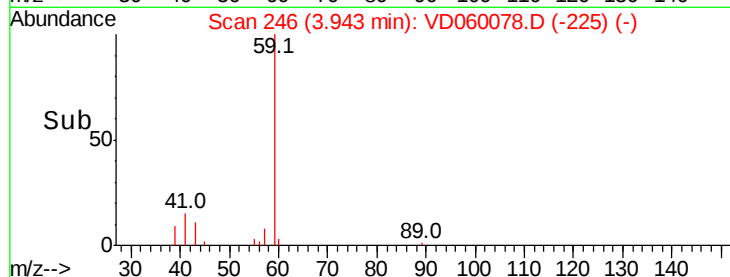
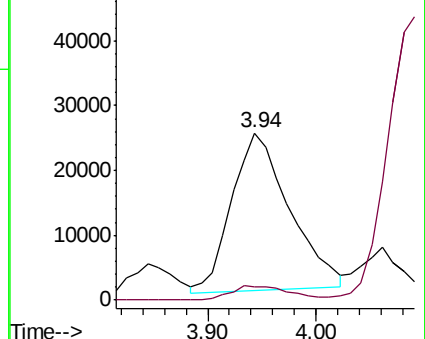
59 100

57 7.8 7.4 11.2



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 23.100 ug/l

RT: 3.05 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

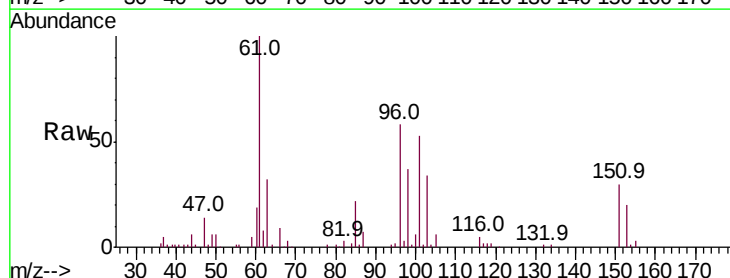
Tgt Ion: 96 Resp: 153546

Ion Ratio Lower Upper

96 100

61 173.1 149.8 224.6

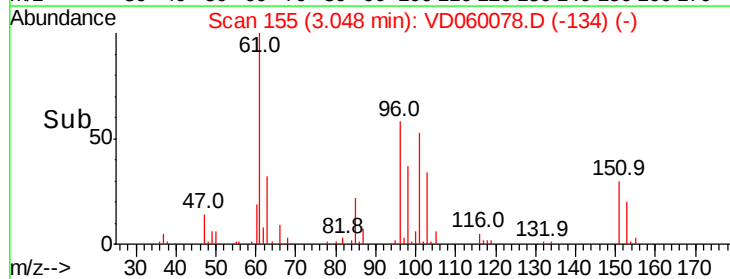
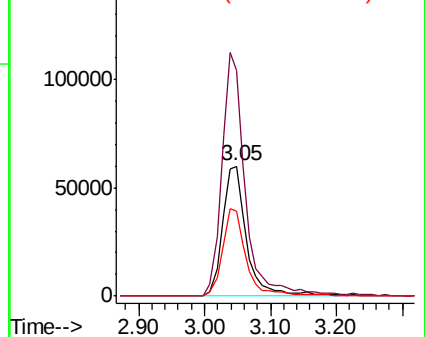
98 64.7 50.2 75.4

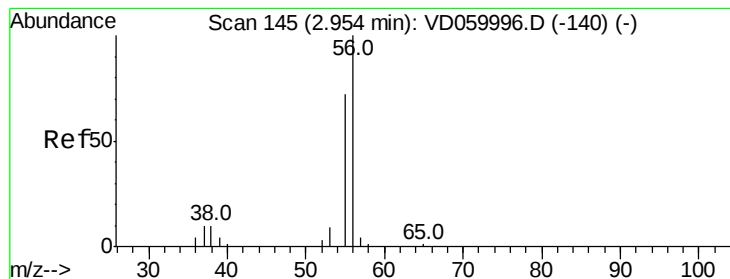


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 87.805 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

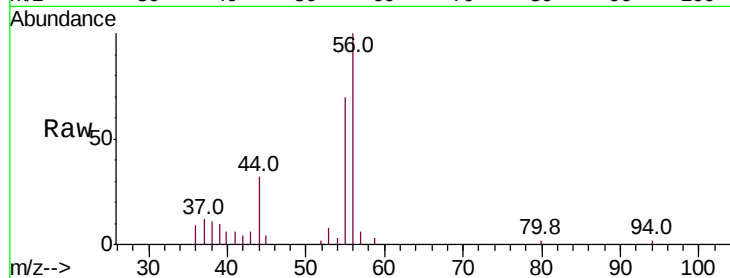
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 55274

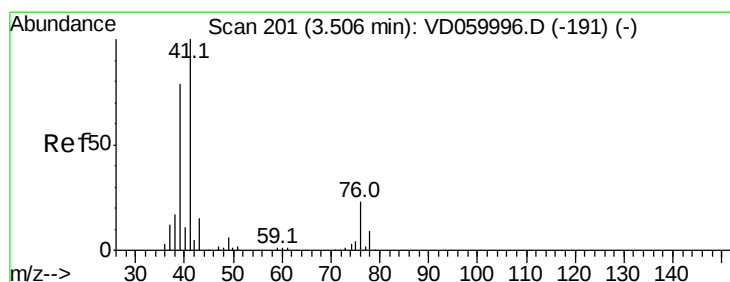
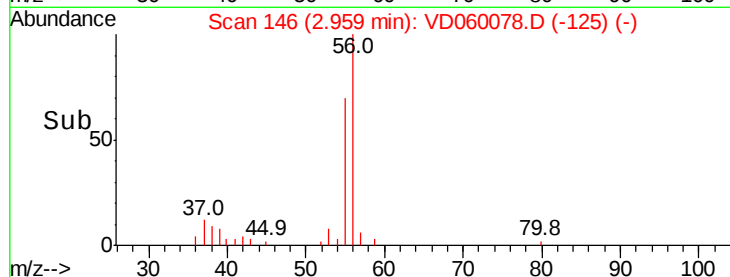
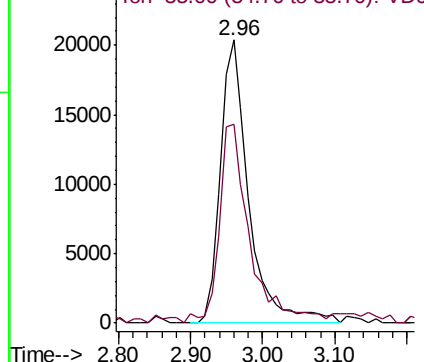
Ion Ratio Lower Upper

56 100

55 70.2 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: 22.493 ug/l

RT: 3.50 min Scan# 201

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

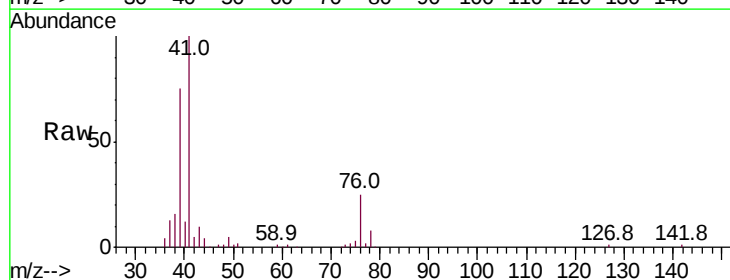
Tgt Ion: 41 Resp: 315305

Ion Ratio Lower Upper

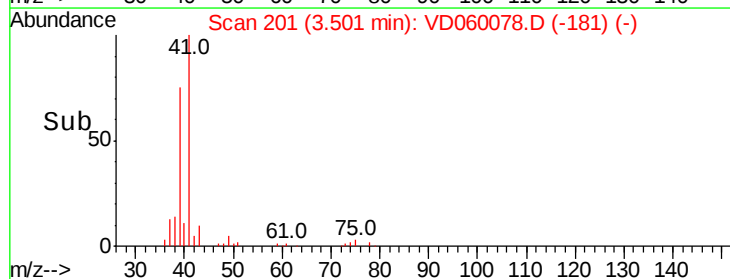
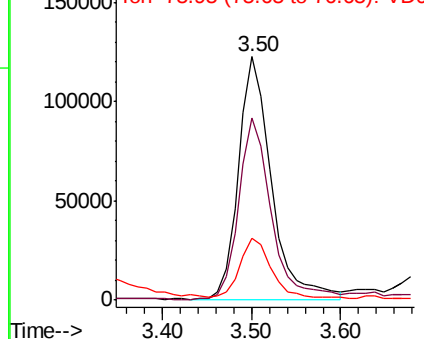
41 100

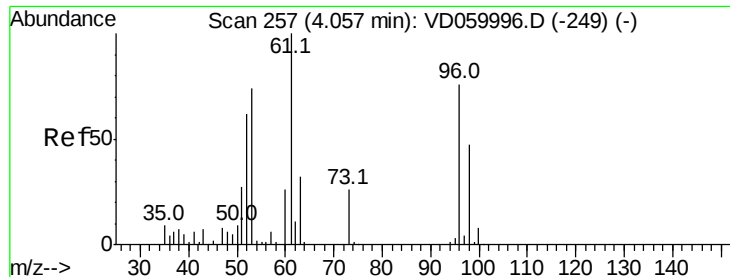
39 75.0 63.6 95.4

76 25.2 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: 105.380 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :

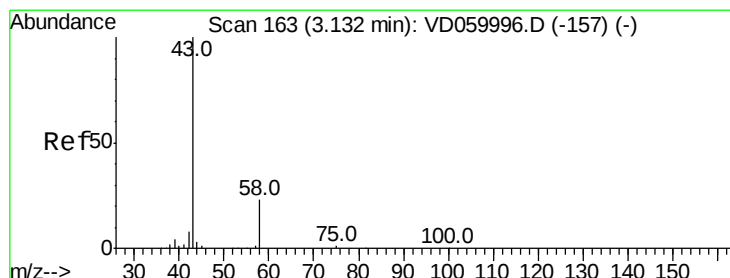
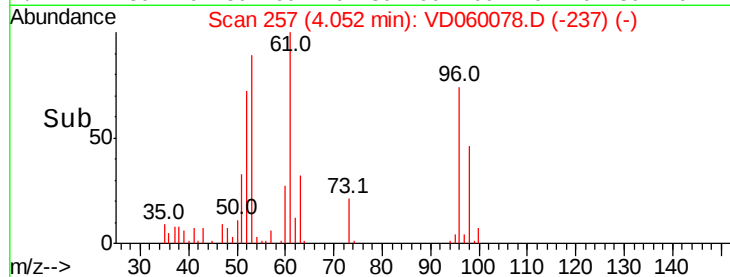
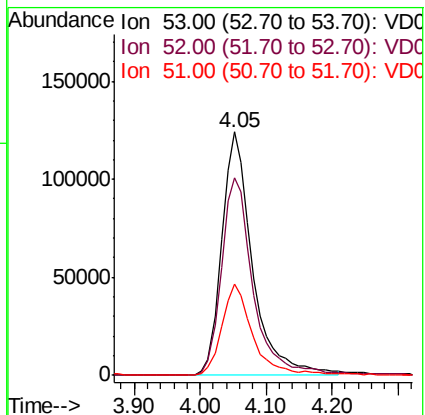
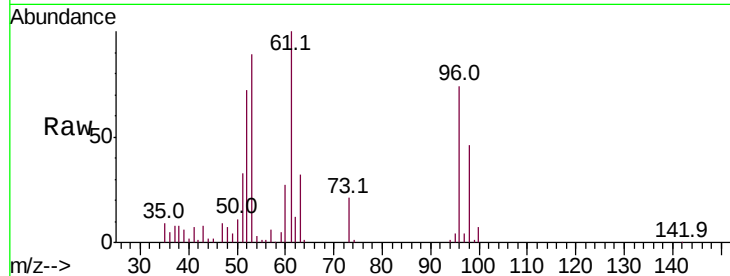
Tot Ion: 53 Resp: 404360

Ion Ratio Lower Upper

53 100

52 81.3 66.7 100.1

51 37.5 29.0 43.6



#16

Acetone

Concen: 124.691 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060078.D

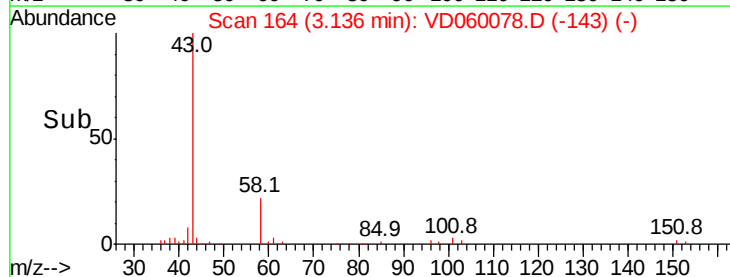
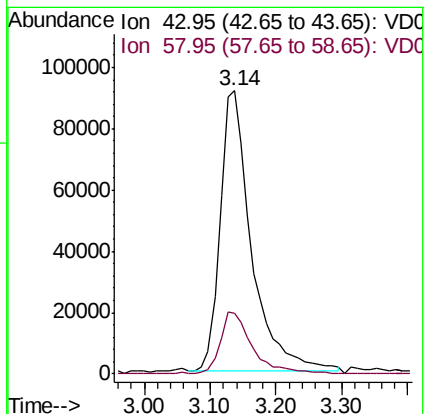
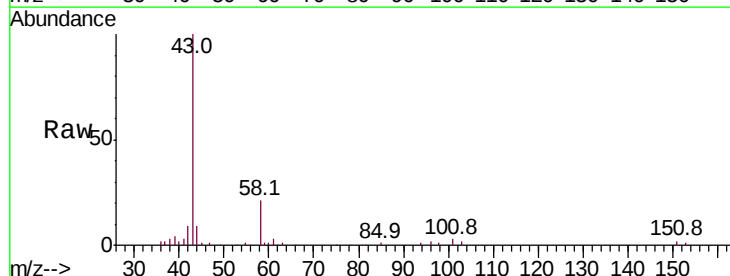
Acq: 24 Sep 2018 13:23

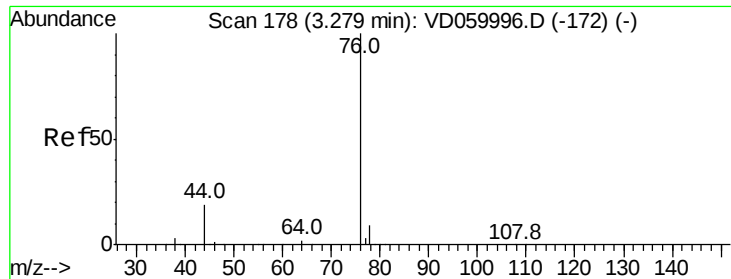
Tgt Ion: 43 Resp: 303289

Ion Ratio Lower Upper

43 100

58 21.4 18.1 27.1

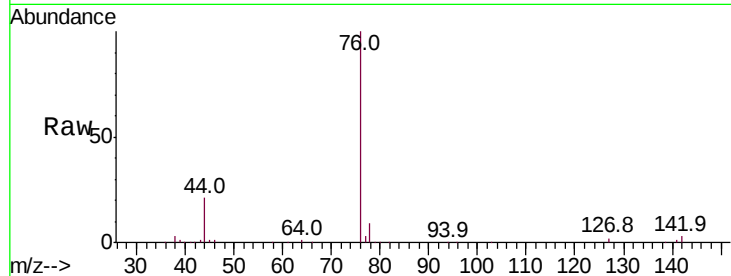




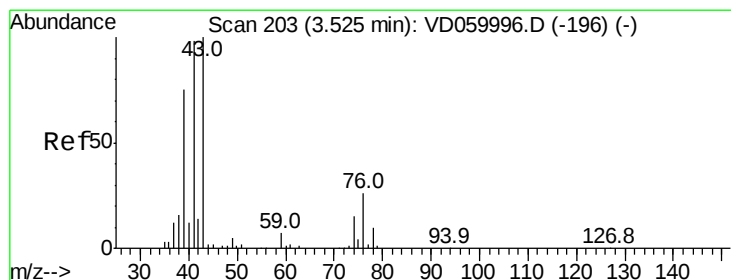
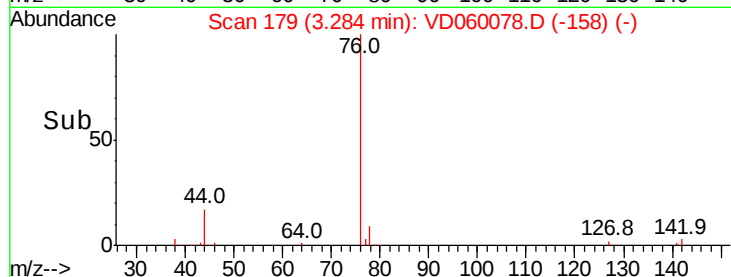
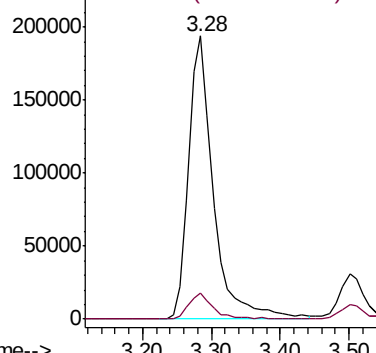
#17
Carbon Disulfide
Concen: 21.139 ug/l
RT: 3.28 min Scan# 179
Delta R.T. 0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 484138
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4

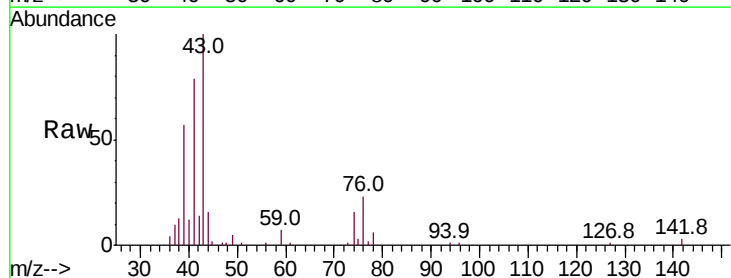


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

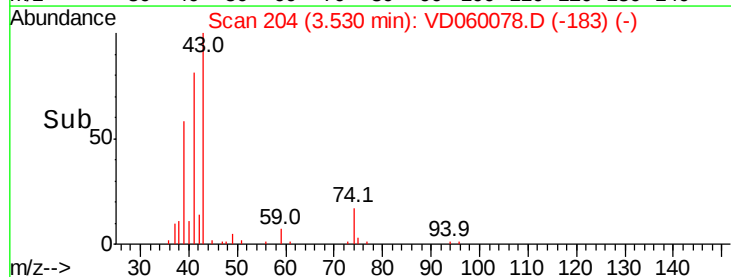
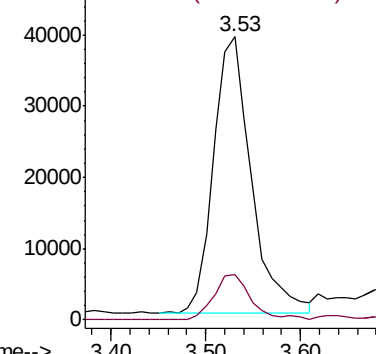


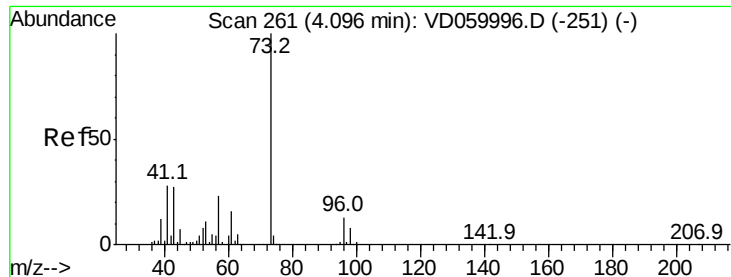
#18
Methyl Acetate
Concen: 21.879 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion: 43 Resp: 108227
Ion Ratio Lower Upper
43 100
74 15.8 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

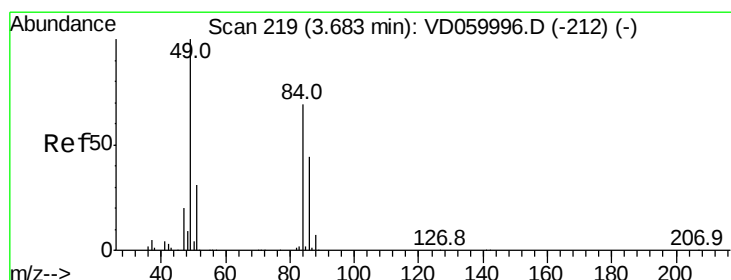
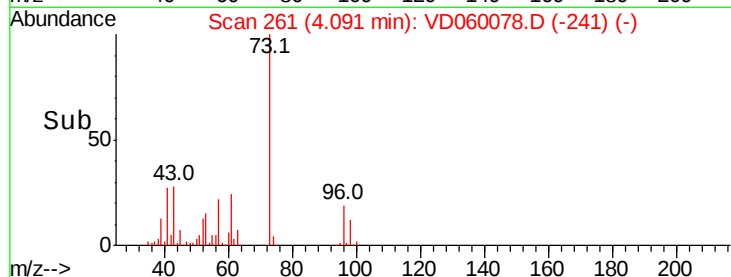
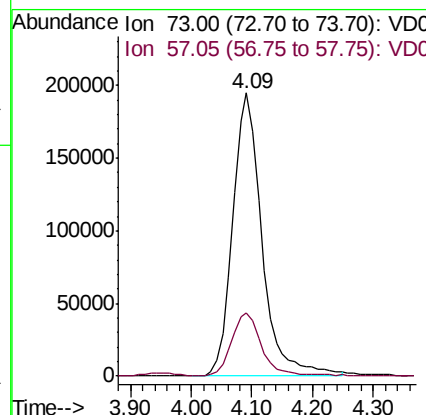
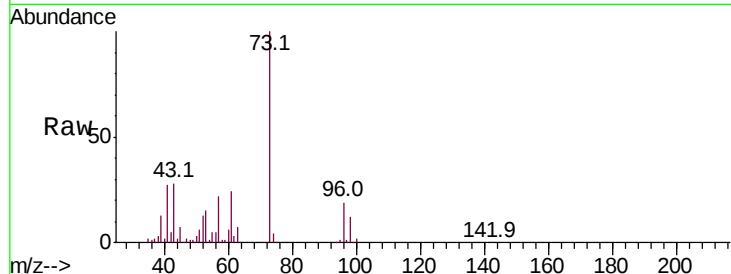




#19
Methvl tert-butvl Ether
Concen: 21.323 ug/l
RT: 4.09 min Scan# 261
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

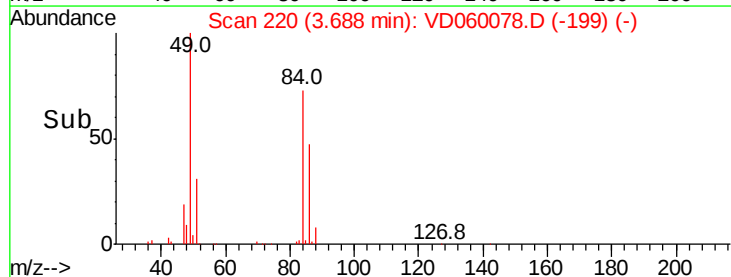
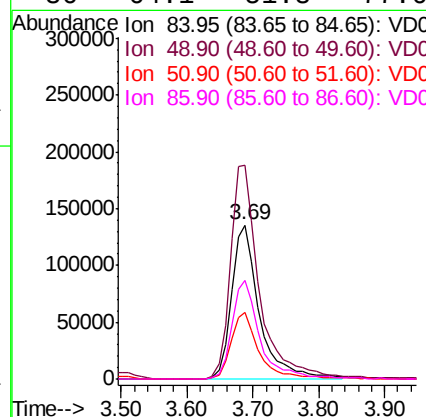
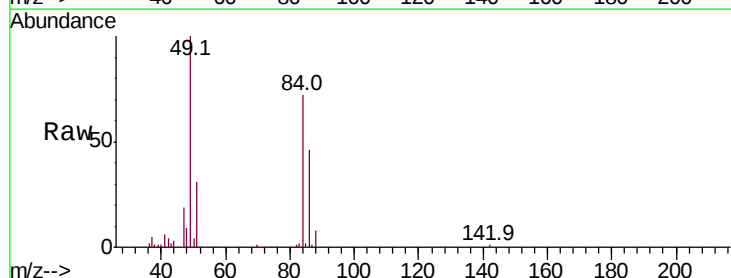
Instrument :
MSVOA_D
ClientSampleId :

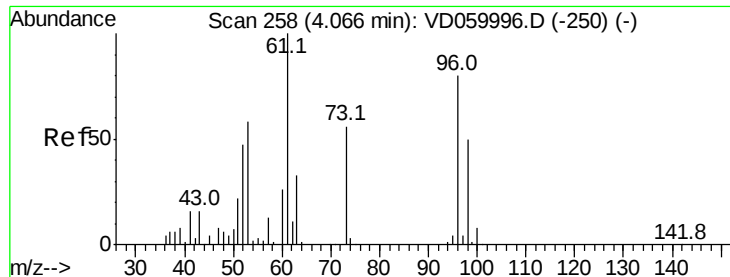
Tot Ion: 73 Resp: 654879
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6



#20
Methylene Chloride
Concen: 18.780 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.01 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion: 84 Resp: 402922
Ion Ratio Lower Upper
84 100
49 138.5 116.6 175.0
51 43.2 35.9 53.9
86 64.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.840 ug/l

RT: 4.06 min Scan# 258

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampled :

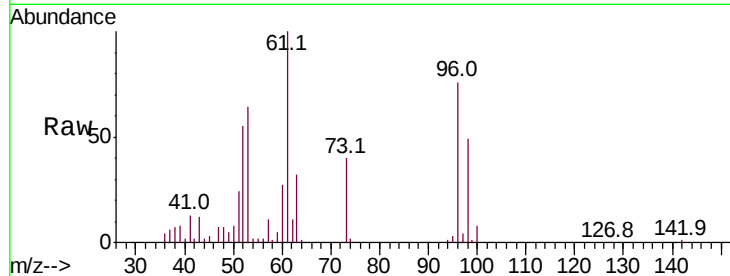
Tot Ion: 96 Resp: 363524

Ion Ratio Lower Upper

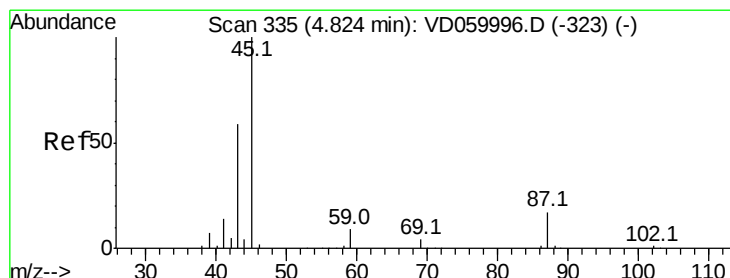
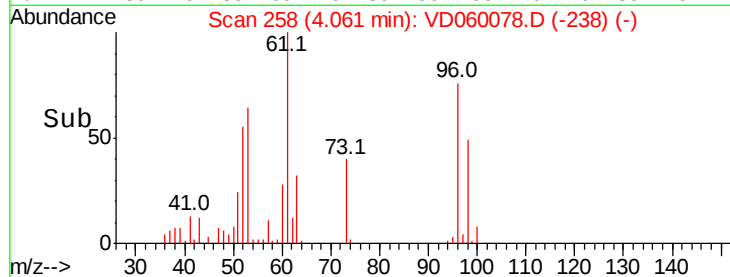
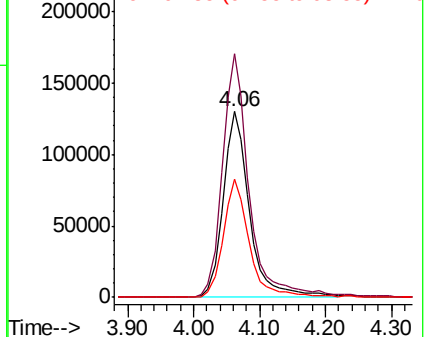
96 100

61 131.1 100.1 150.1

98 63.6 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: 21.730 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Tgt Ion: 45 Resp: 1389474

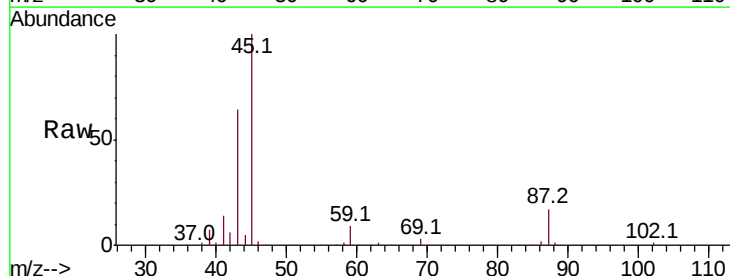
Ion Ratio Lower Upper

45 100

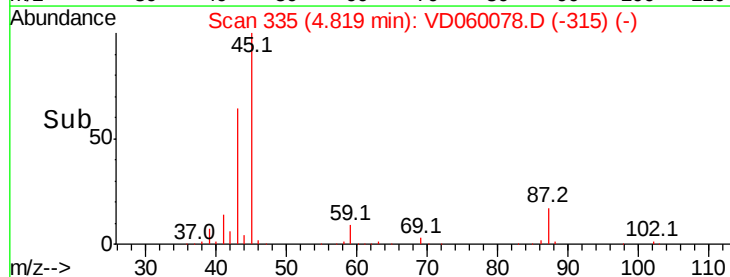
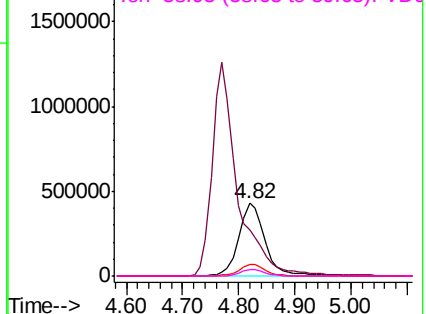
43 64.0 47.1 70.7

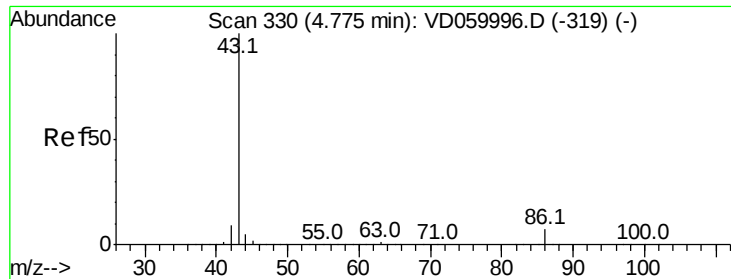
87 16.7 14.2 21.2

59 8.8 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: 109.682 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

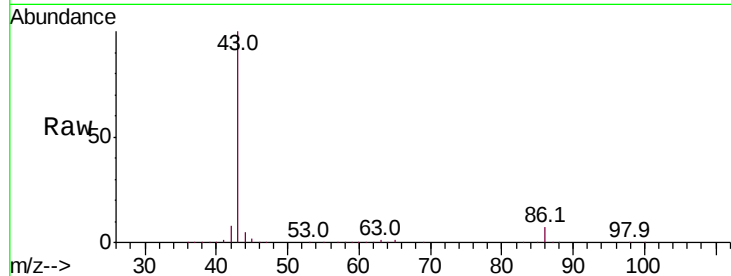
ClientSampled :

Tot Ion: 43 Resp: 3973294

Ion Ratio Lower Upper

43 100

86 6.8 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1500000

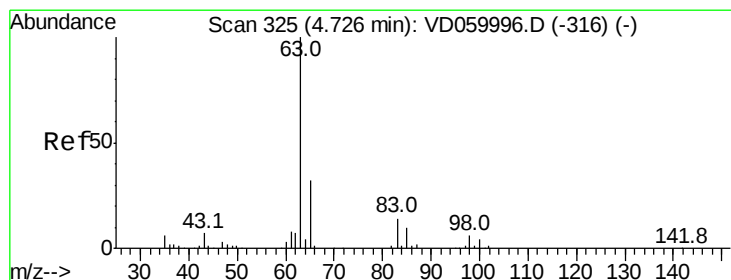
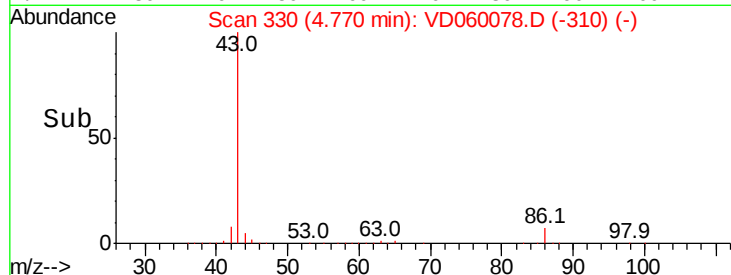
1000000

500000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.157 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

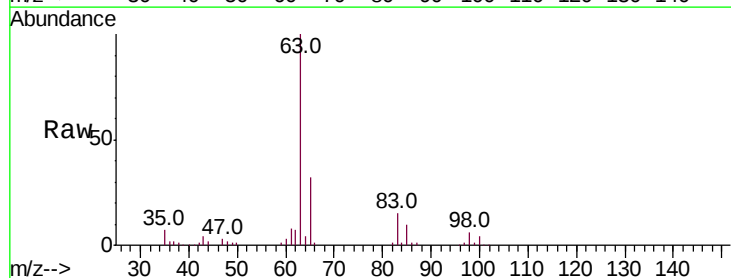
Tgt Ion: 63 Resp: 607098

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.6 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

250000

200000

150000

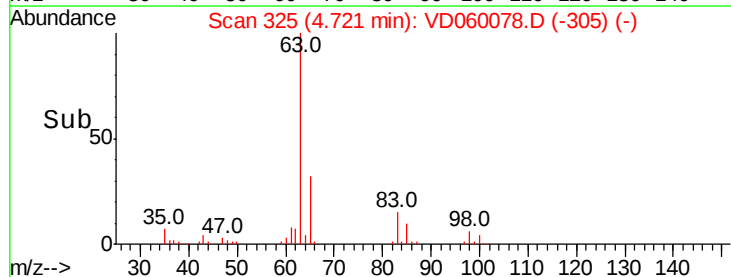
100000

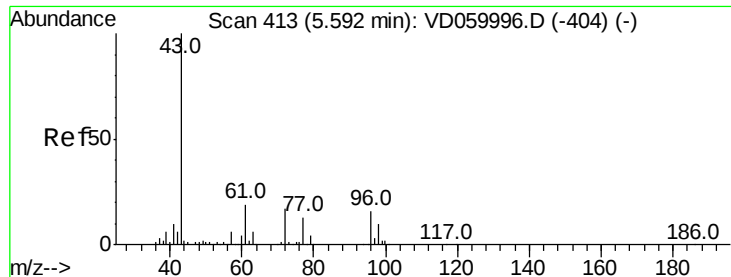
50000

0

4.60 4.70 4.80 4.90

Time-->





#25

2-Butanone

Concen: 119.537 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

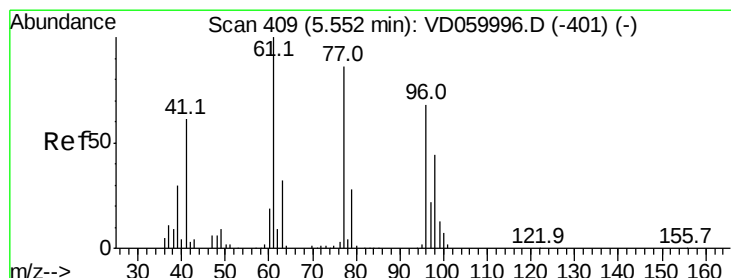
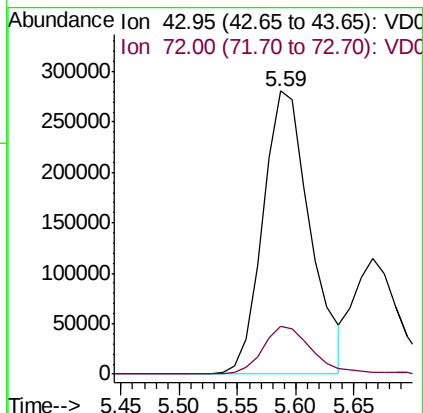
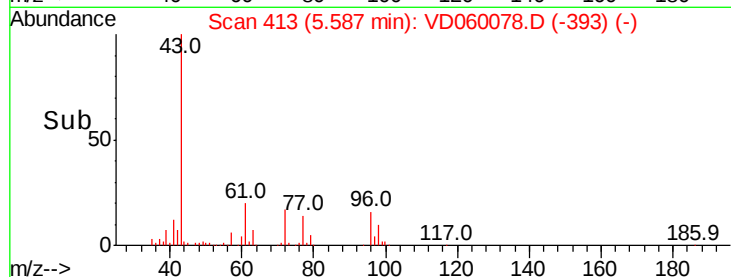
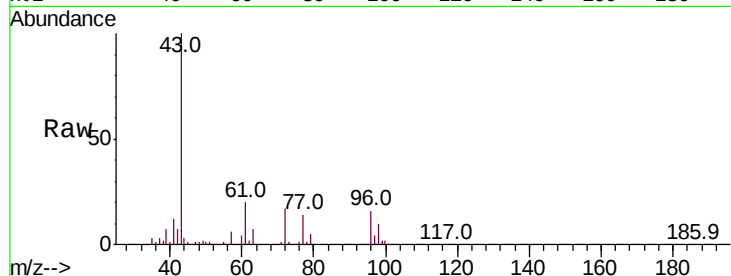
ClientSampled :

Tot Ion: 43 Resp: 784586

Ion Ratio Lower Upper

43 100

72 16.8 13.6 20.4



#26

2,2-Dichloropropane

Concen: 21.446 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD060078.D

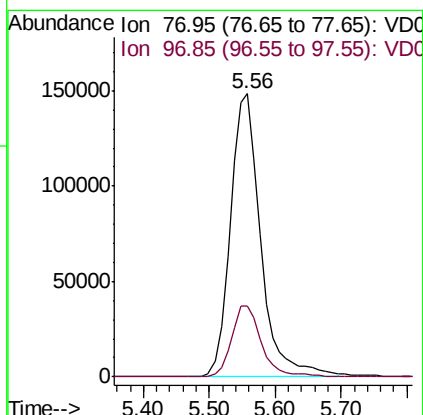
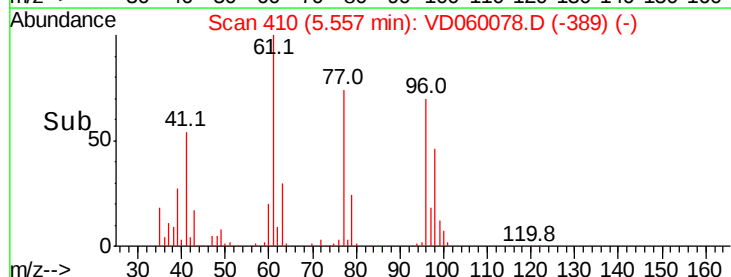
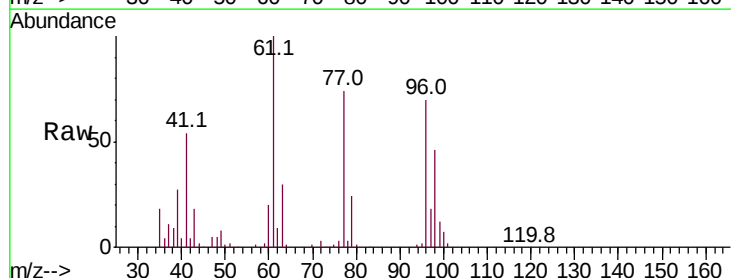
Acq: 24 Sep 2018 13:23

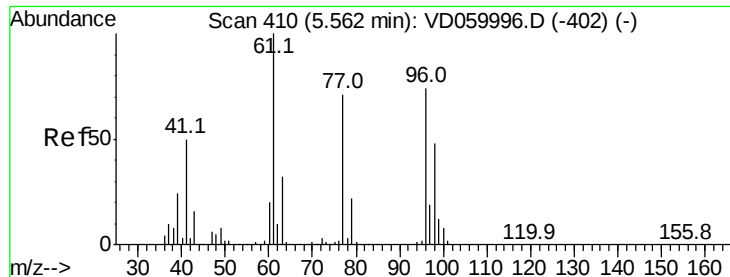
Tgt Ion: 77 Resp: 478432

Ion Ratio Lower Upper

77 100

97 24.9 12.7 38.1



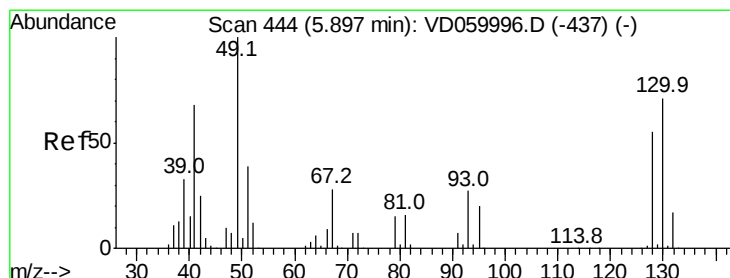
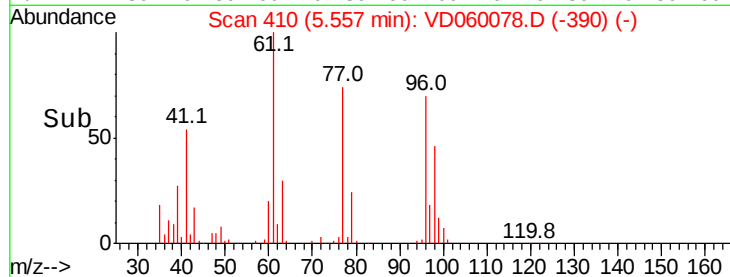
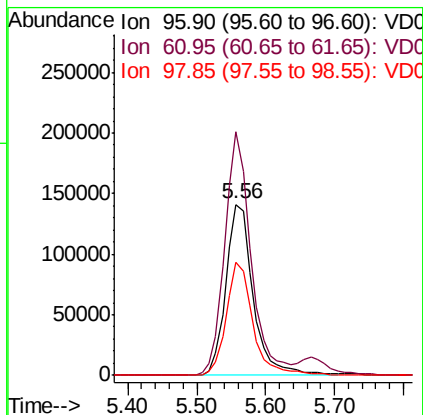
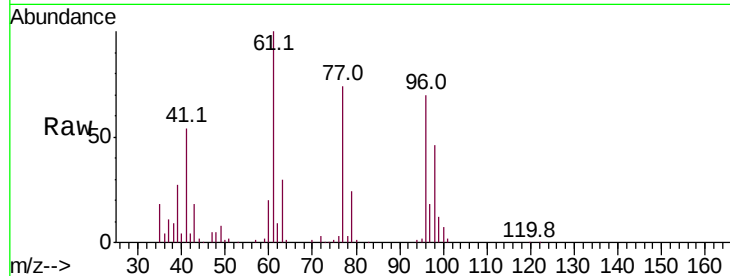


#27

cis-1,2-Dichloroethene
 Concen: 21.241 ug/l
 RT: 5.56 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampled :

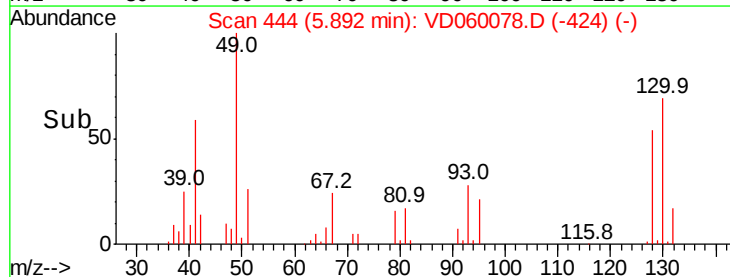
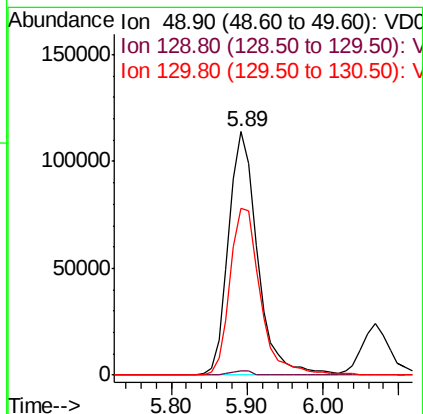
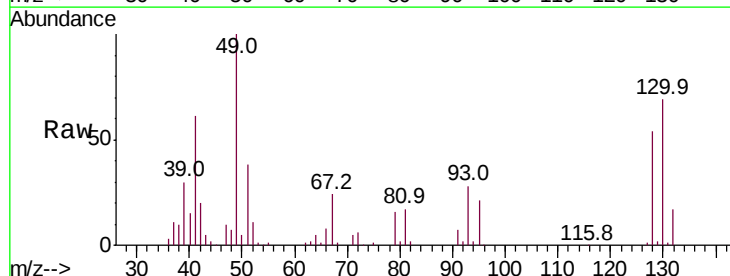
Tot Ion	96	Resp	387556
Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	269.6
98	65.9	0.0	128.4

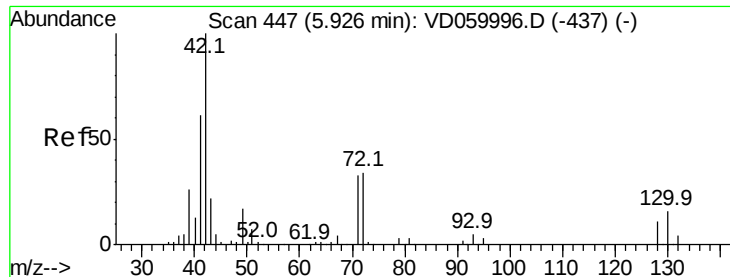


#28

Bromochloromethane
 Concen: 21.928 ug/l
 RT: 5.89 min Scan# 444
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion	49	Resp	302460
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	68.7	57.1	85.7

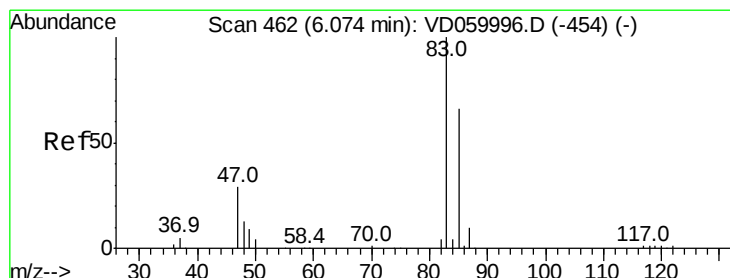
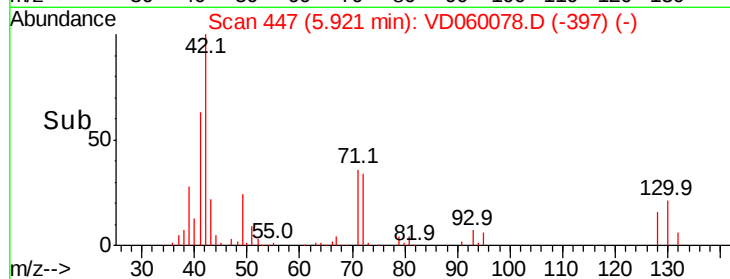
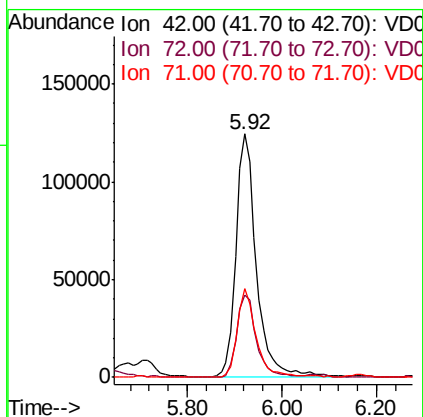
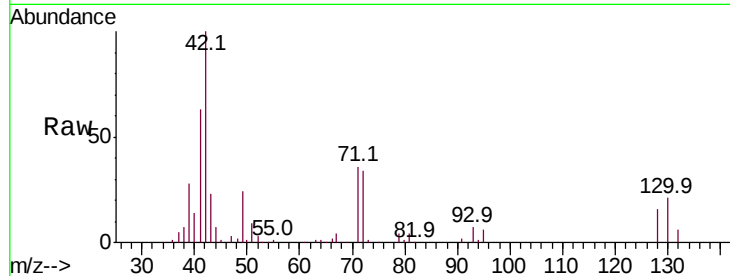




#29
Tetrahydrofuran
Concen: 106.251 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

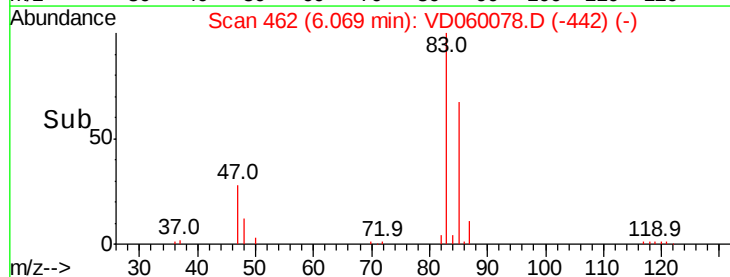
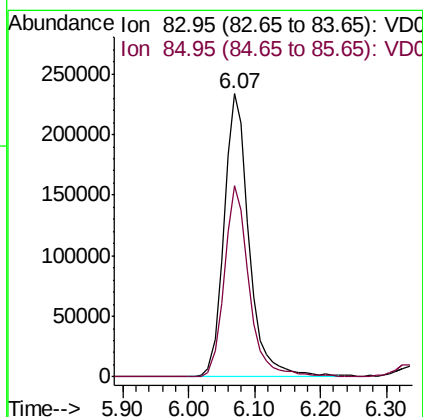
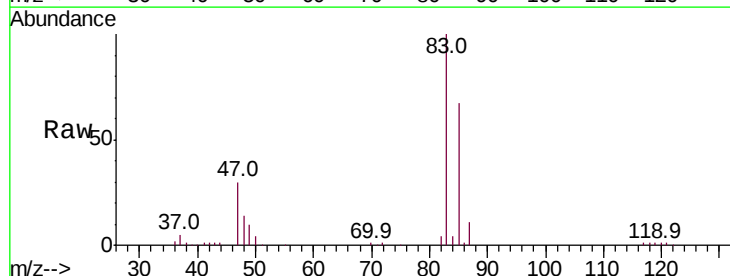
Instrument :
MSVOA_D
ClientSampleId :

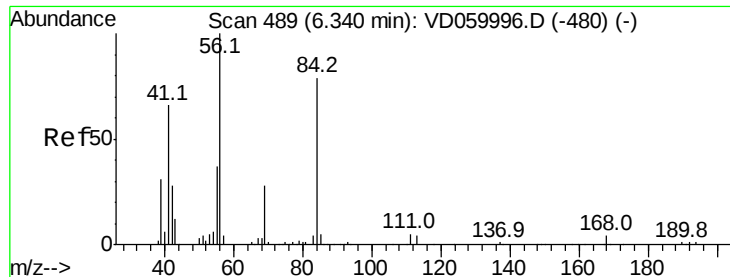
Tot Ion: 42 Resp: 374001
Ion Ratio Lower Upper
42 100
72 32.4 26.9 40.3
71 32.9 26.2 39.4



#30
Chloroform
Concen: 21.379 ug/l
RT: 6.07 min Scan# 462
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion: 83 Resp: 622120
Ion Ratio Lower Upper
83 100
85 67.5 52.6 78.8

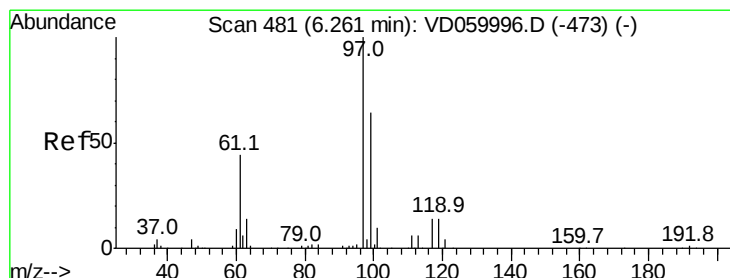
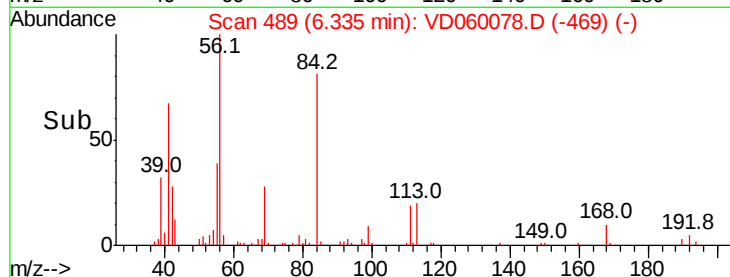
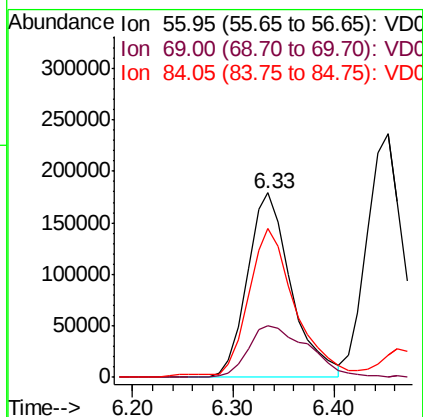
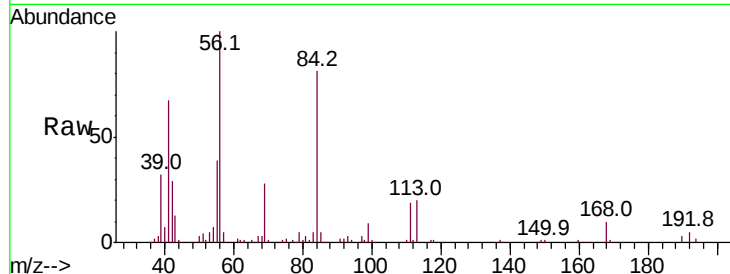




#31
Cyclohexane
Concen: 19.305 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

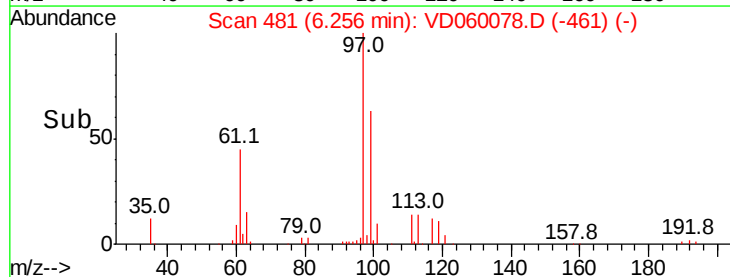
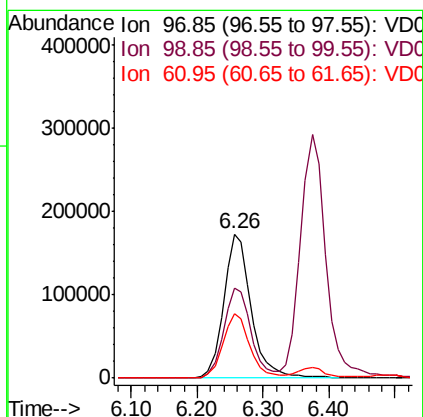
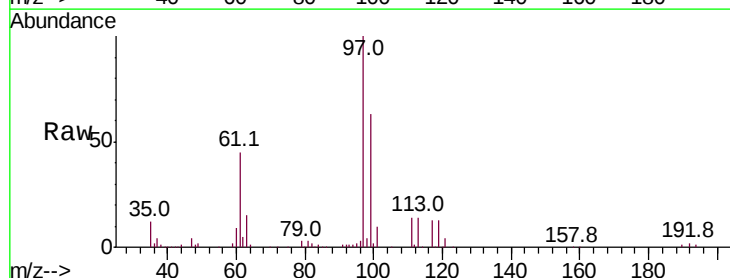
Instrument :
MSVOA_D
ClientSampleId :

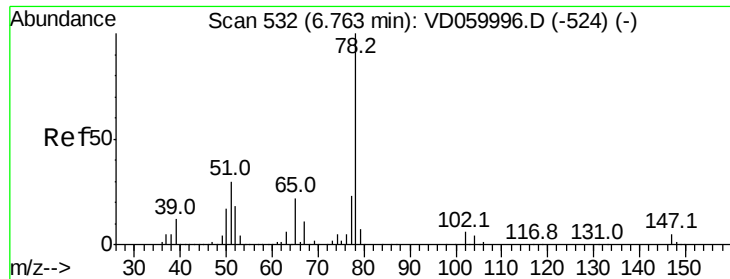
Tot Ion: 56 Resp: 540131
Ion Ratio Lower Upper
56 100
69 27.9 22.7 34.1
84 80.6 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 20.796 ug/l
RT: 6.26 min Scan# 481
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion: 97 Resp: 501914
Ion Ratio Lower Upper
97 100
99 62.6 51.3 76.9
61 45.0 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 20.796 ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

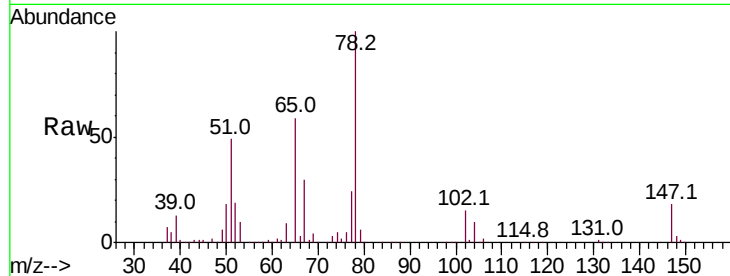
ClientSampleId :

Tot Ion: 65 Resp: 663108

Ion Ratio Lower Upper

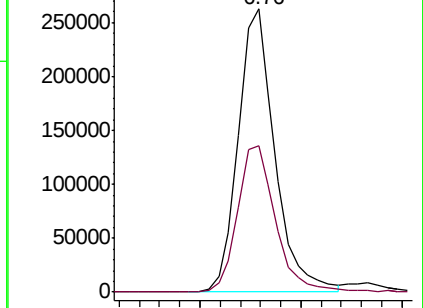
65 100

67 51.9 0.0 104.8

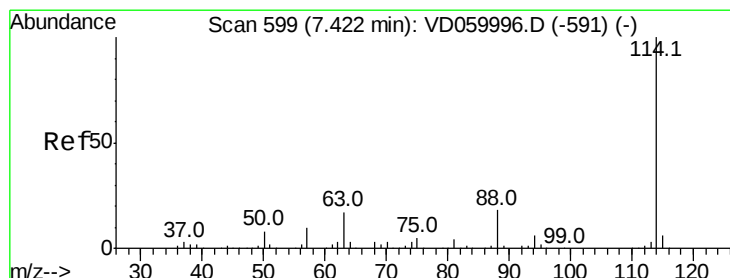
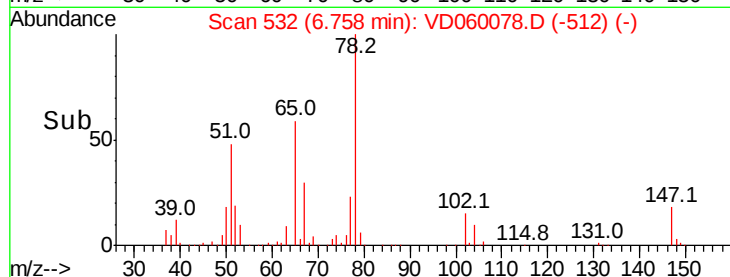


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

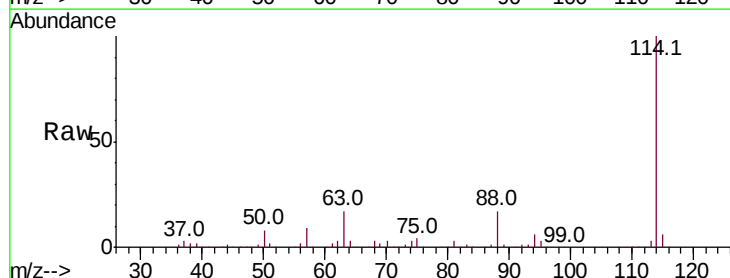
Tgt Ion:114 Resp: 2283949

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.4

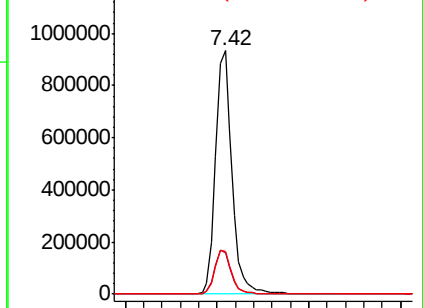
88 17.4 0.0 35.8



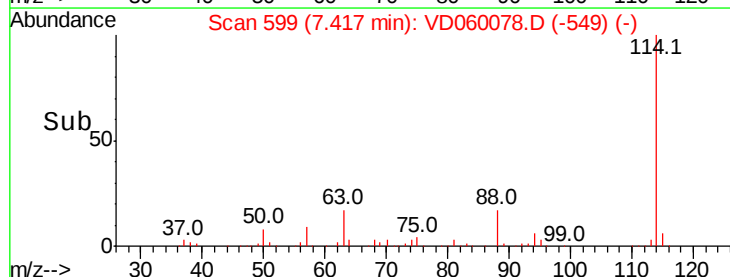
Abundance Ion 114.00 (113.70 to 114.70): V

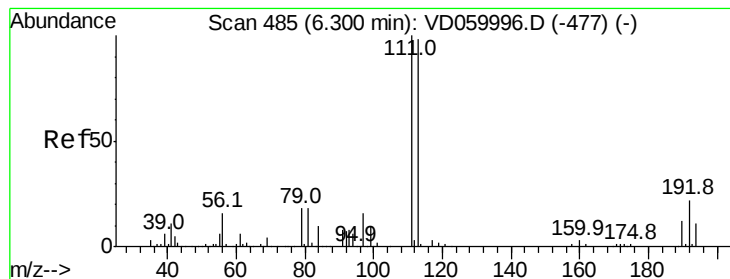
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampled :

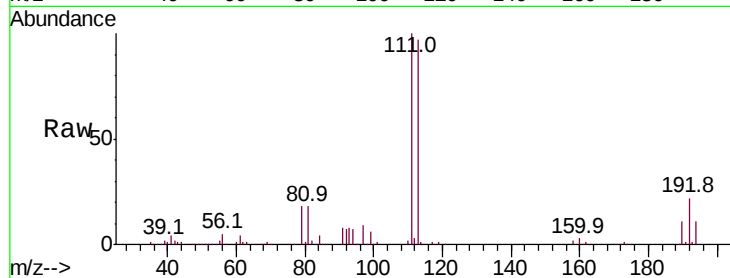
Tot Ion:113 Resp: 910245

Ion Ratio Lower Upper

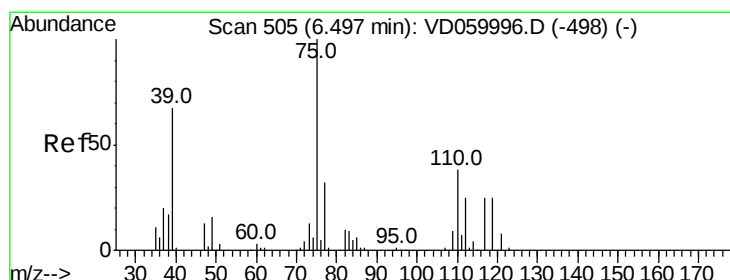
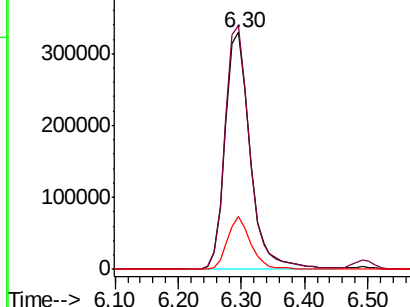
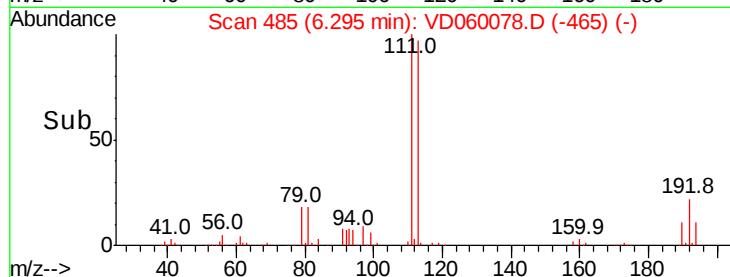
113 100

111 102.9 81.3 121.9

192 22.2 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: 19.956 ug/l

RT: 6.49 min Scan# 505

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

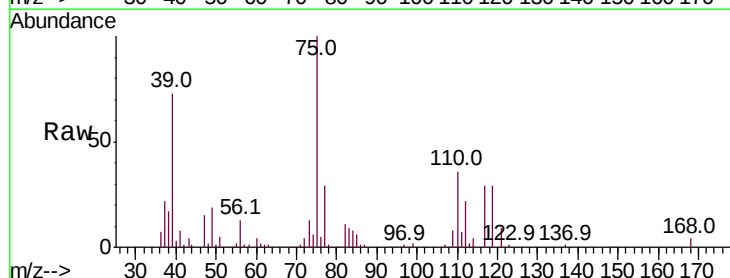
Tgt Ion: 75 Resp: 452744

Ion Ratio Lower Upper

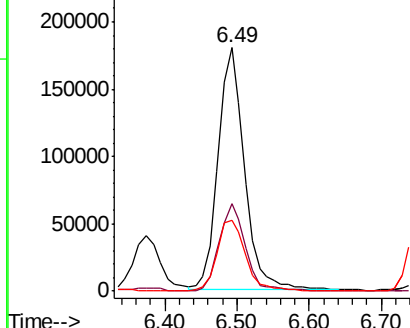
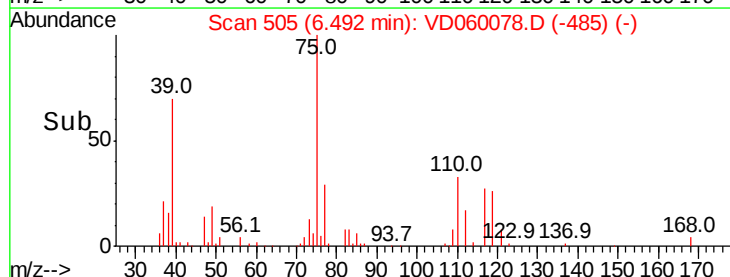
75 100

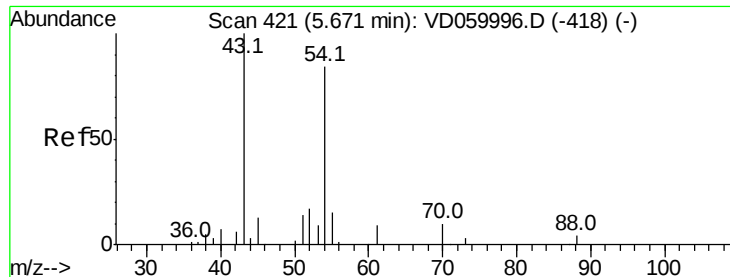
110 35.8 18.9 56.9

77 29.3 25.3 37.9



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





#37

Ethyl Acetate

Concen: 20.557 ug/l

RT: 5.67 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampled :

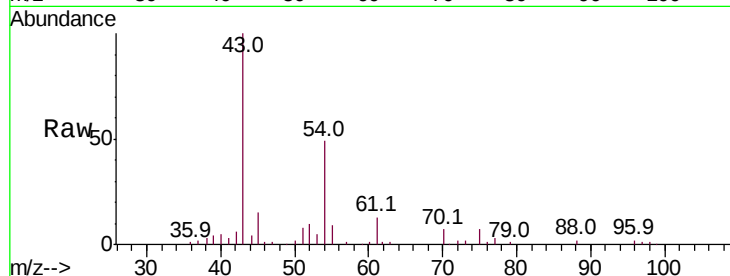
Tot Ion: 43 Resp: 320715

Ion Ratio Lower Upper

43 100

61 13.2 10.2 15.2

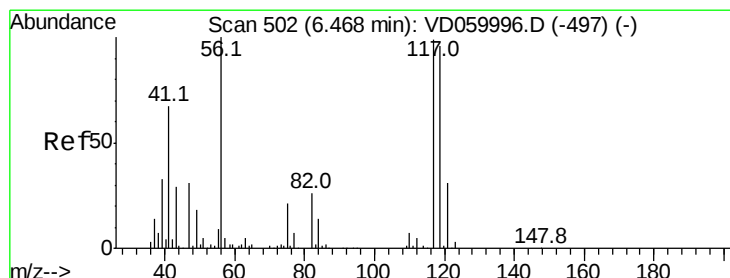
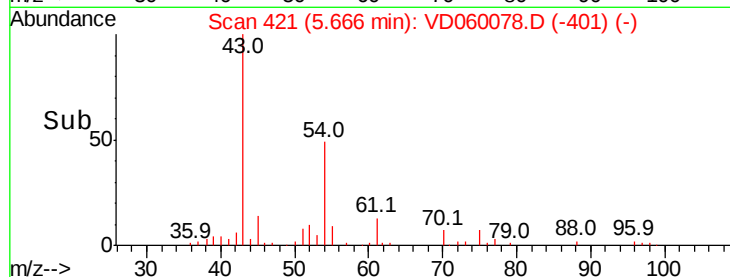
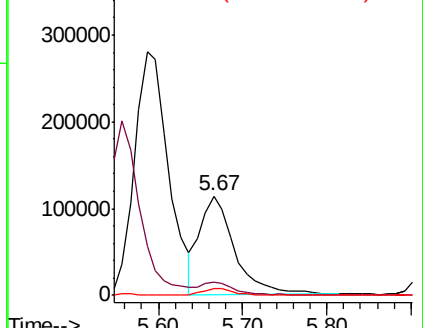
70 7.0 6.1 9.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 19.384 ug/l

RT: 6.46 min Scan# 502

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

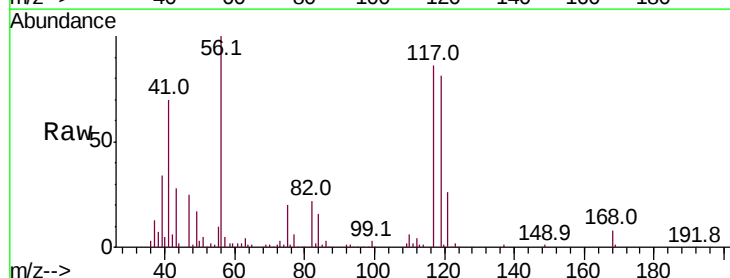
Tgt Ion: 117 Resp: 410536

Ion Ratio Lower Upper

117 100

119 94.2 76.7 115.1

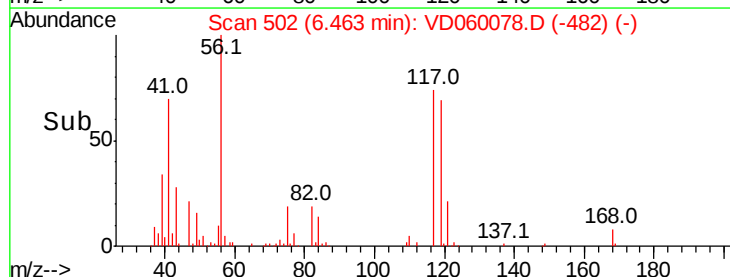
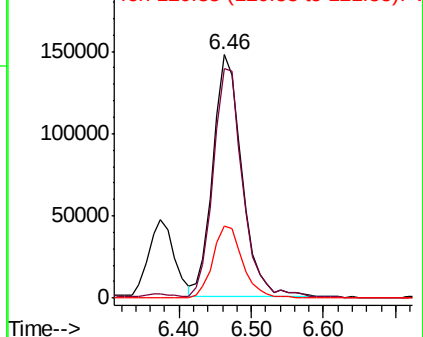
121 29.6 24.9 37.3

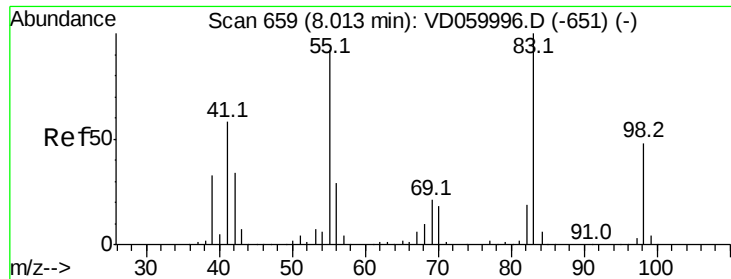


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

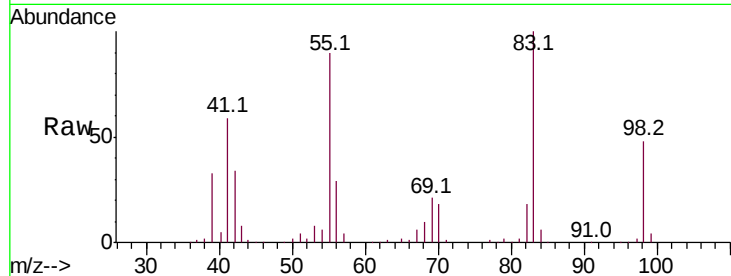




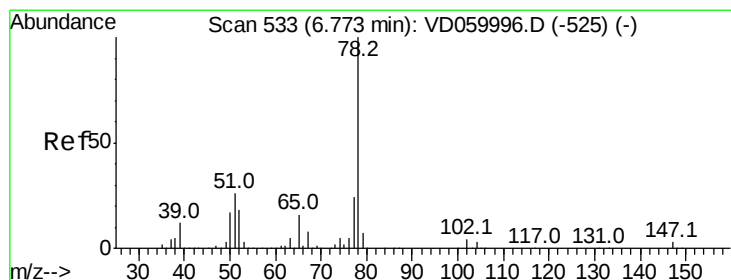
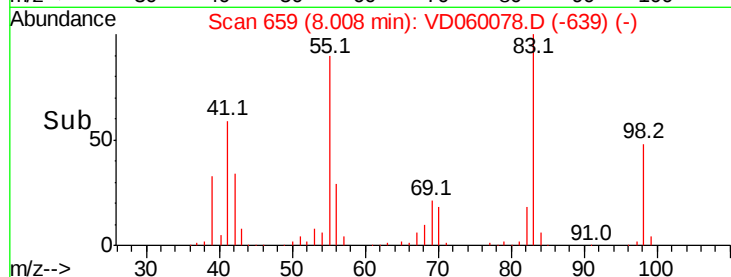
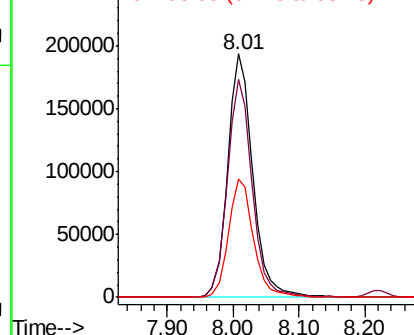
#39
Methvlcvclohexane
Concen: 20.091 ug/l
RT: 8.01 min Scan# 659
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 515628
Ion Ratio Lower Upper
83 100
55 89.7 73.8 110.6
98 48.4 38.1 57.1

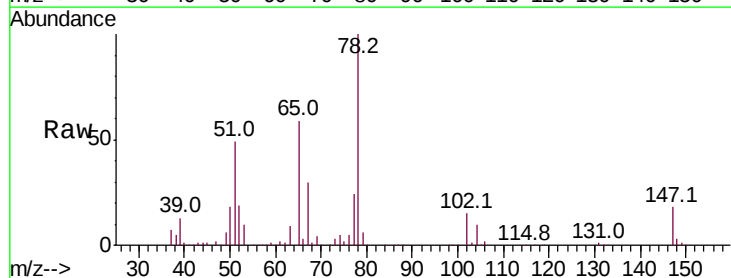


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

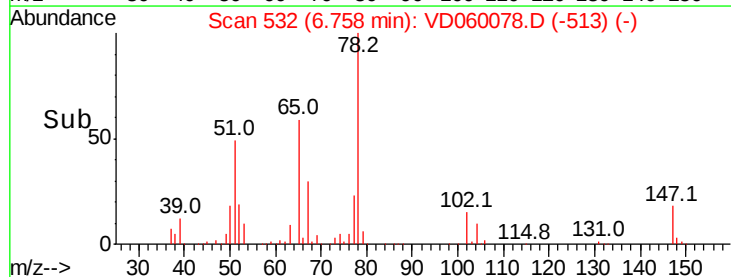
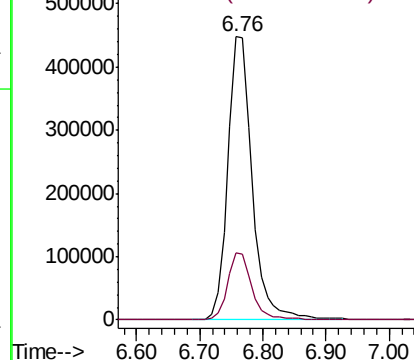


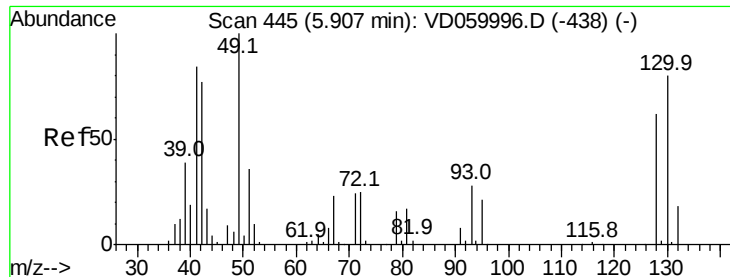
#40
Benzene
Concen: 20.767 ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion: 78 Resp: 1200846
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

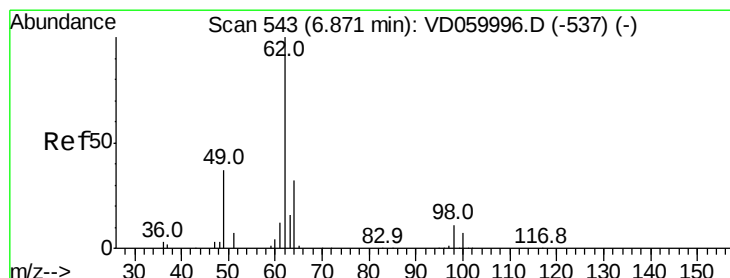
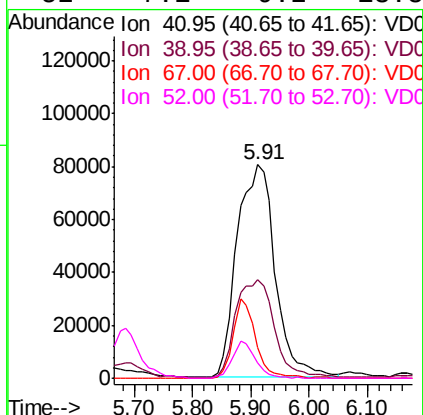
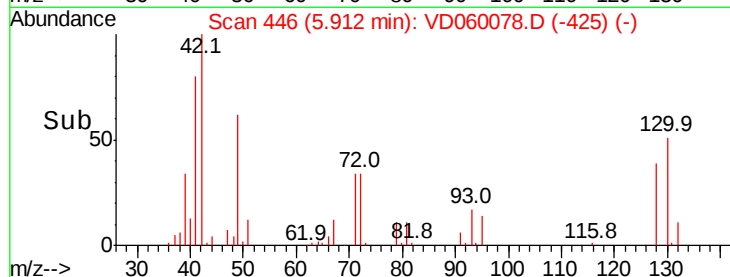
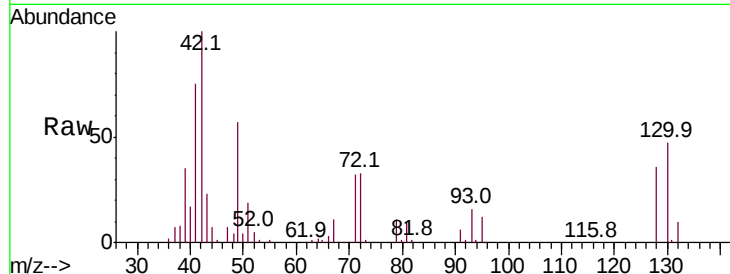




#41
Methacrylonitrile
Concen: 44.997 ug/l
RT: 5.91 min Scan# 446
Delta R.T. 0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

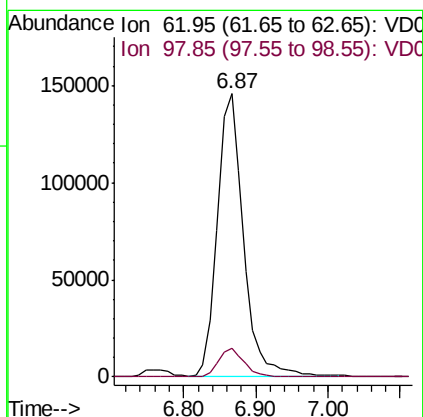
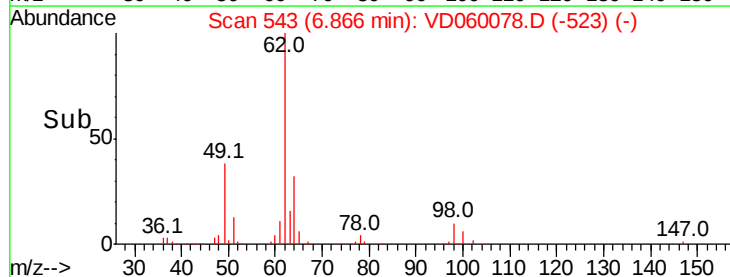
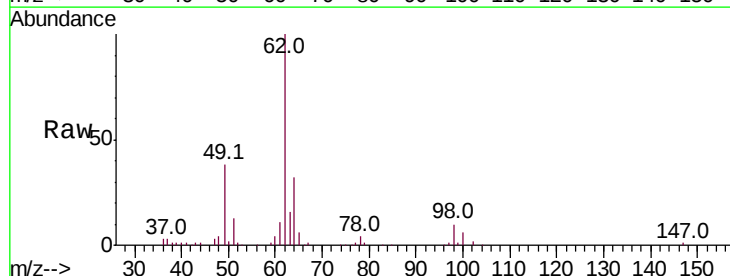
Instrument :
MSVOA_D
ClientSampleId :

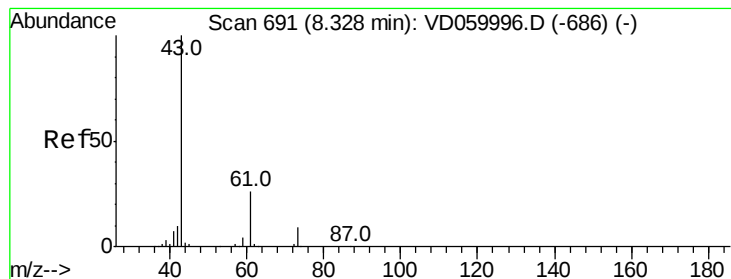
Tot Ion: 41 Resp: 367689
Ion Ratio Lower Upper
41 100
39 46.5 37.5 56.3
67 14.6 21.5 32.3#
52 7.1 9.2 13.8#



#42
1,2-Dichloroethane
Concen: 20.765 ug/l
RT: 6.87 min Scan# 543
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion: 62 Resp: 360537
Ion Ratio Lower Upper
62 100
98 10.2 0.0 21.4





#43

Isopropyl Acetate

Concen: 20.492 ug/l

RT: 8.32 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampled :

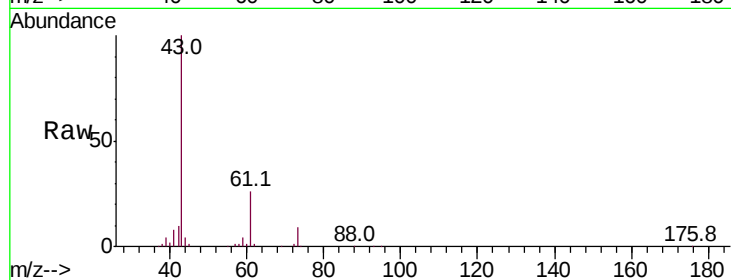
Tot Ion: 43 Resp: 428052

Ion Ratio Lower Upper

43 100

61 26.4 21.0 31.6

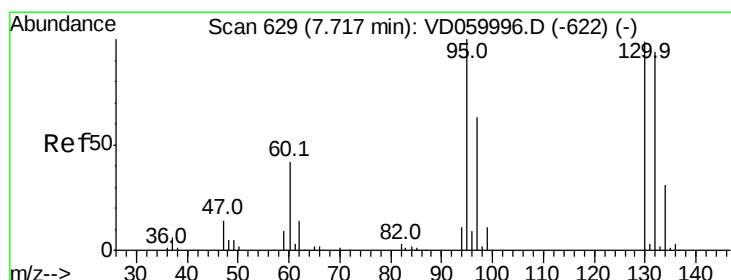
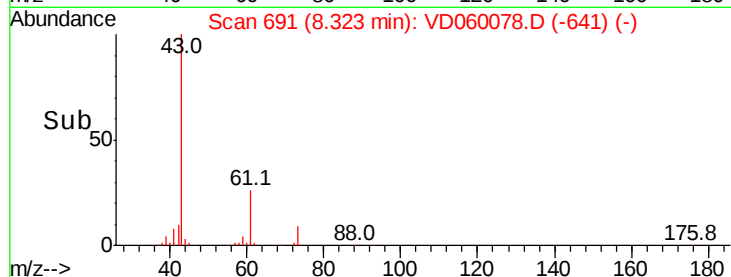
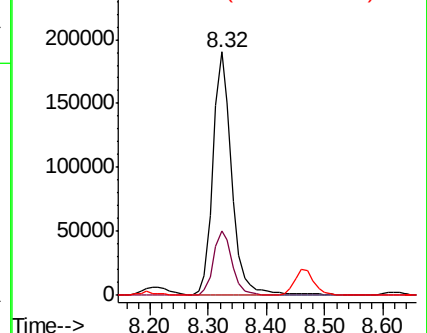
87 0.0 0.2 0.2#



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: 20.416 ug/l

RT: 7.71 min Scan# 629

Delta R.T. -0.00 min

Lab File: VD060078.D

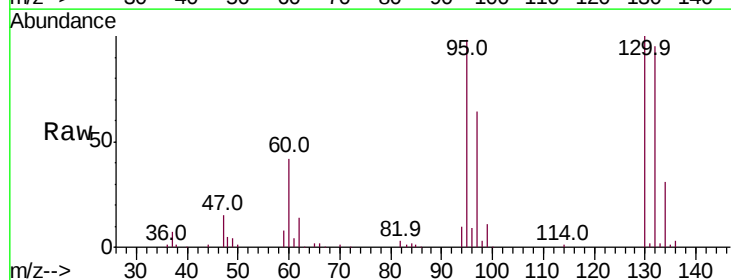
Acq: 24 Sep 2018 13:23

Tgt Ion:130 Resp: 364744

Ion Ratio Lower Upper

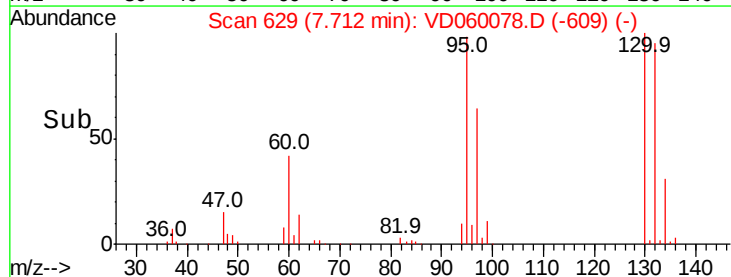
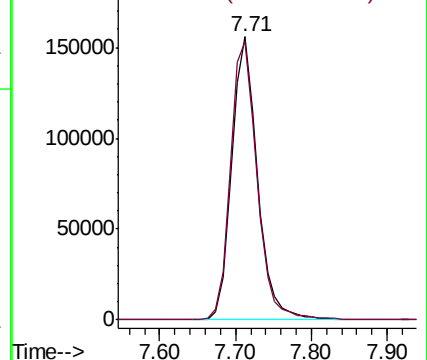
130 100

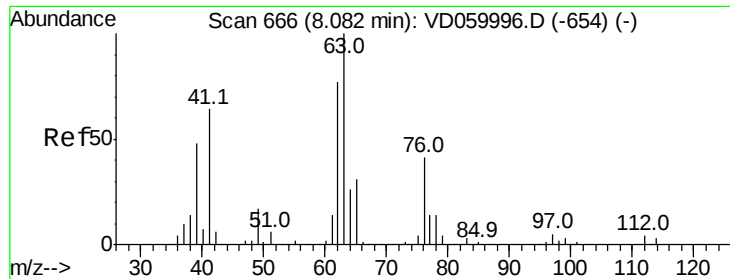
95 98.2 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.292 ug/l

RT: 8.08 min Scan# 666

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

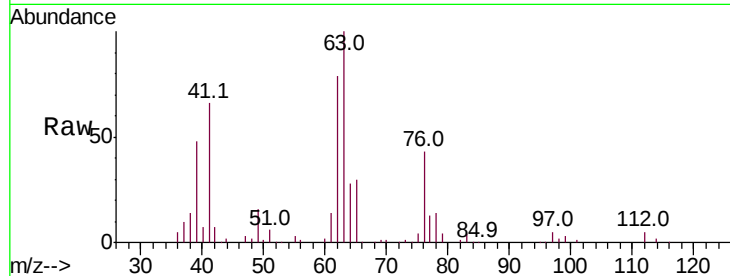
ClientSampleId :

Tot Ion: 63 Resp: 329219

Ion Ratio Lower Upper

63 100

65 30.0 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.08

150000

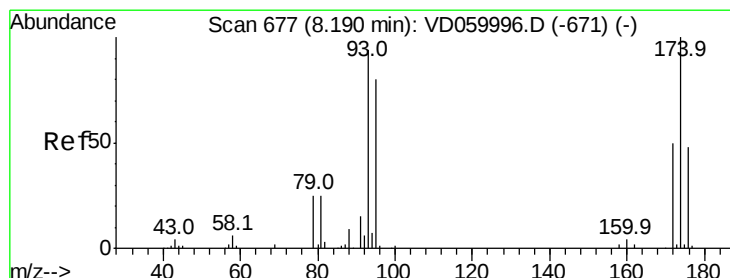
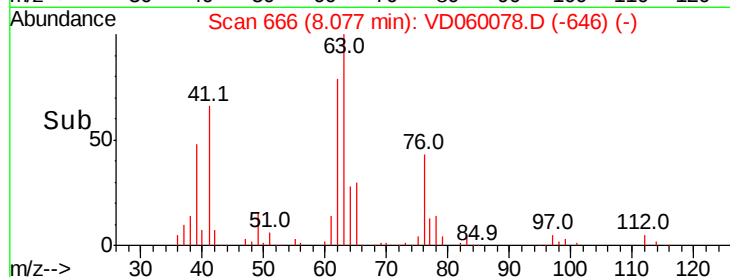
100000

50000

0

Time-->

7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 20.619 ug/l

RT: 8.18 min Scan# 677

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

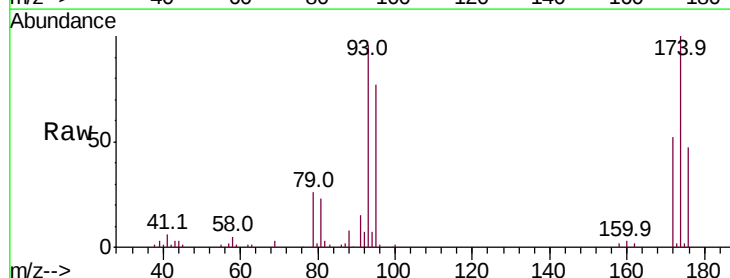
Tgt Ion: 93 Resp: 208015

Ion Ratio Lower Upper

93 100

95 81.0 68.0 102.0

174 104.5 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

8.18

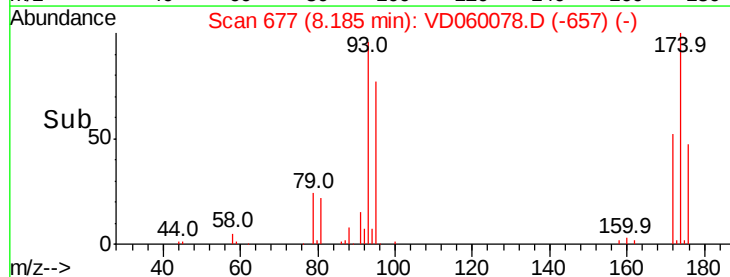
100000

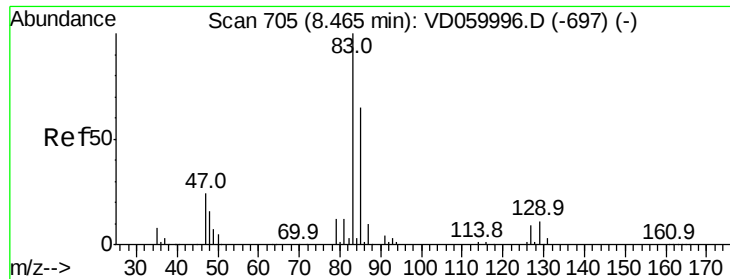
50000

0

Time-->

8.10 8.20 8.30





#47

Bromodichloromethane

Concen: 20.552 ug/l

RT: 8.46 min Scan# 705

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampled :

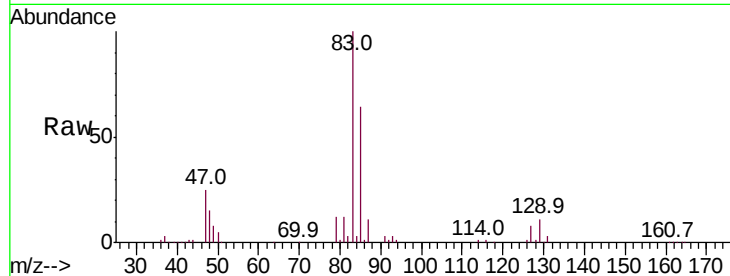
Tot Ion: 83 Resp: 447028

Ion Ratio Lower Upper

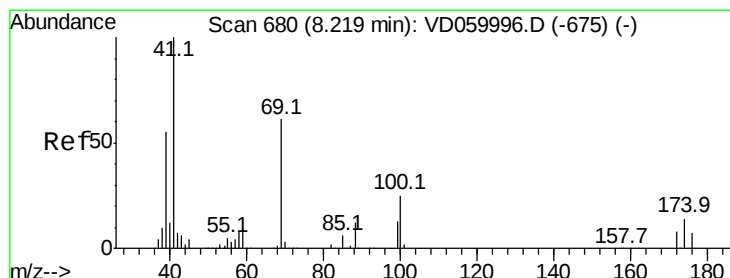
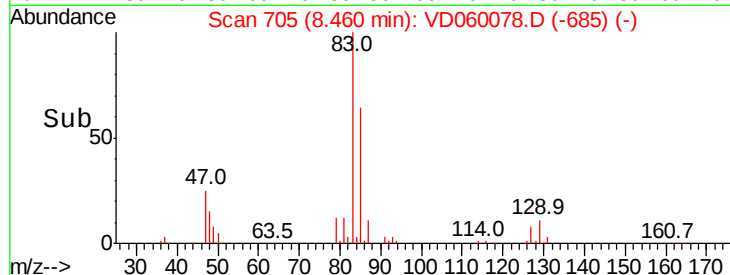
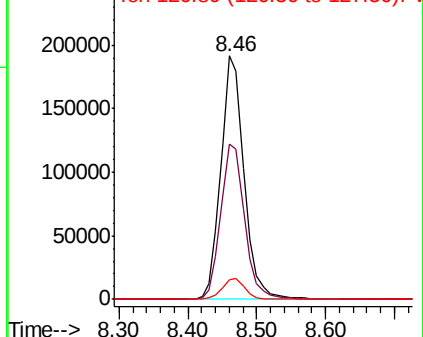
83 100

85 63.8 51.9 77.9

127 8.2 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: 20.007 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

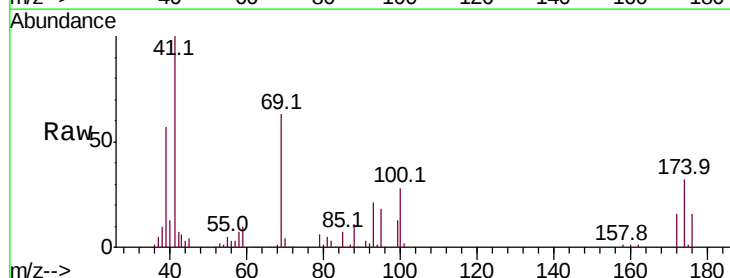
Tgt Ion: 41 Resp: 232766

Ion Ratio Lower Upper

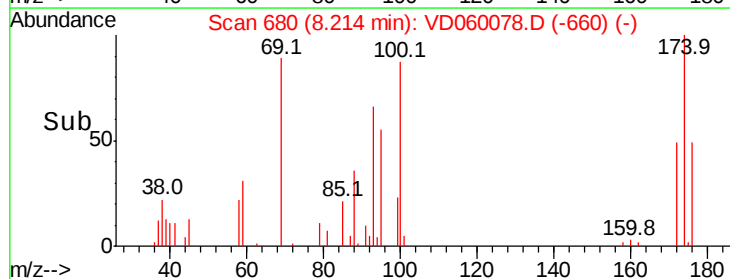
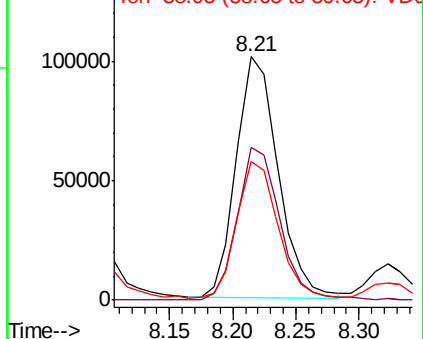
41 100

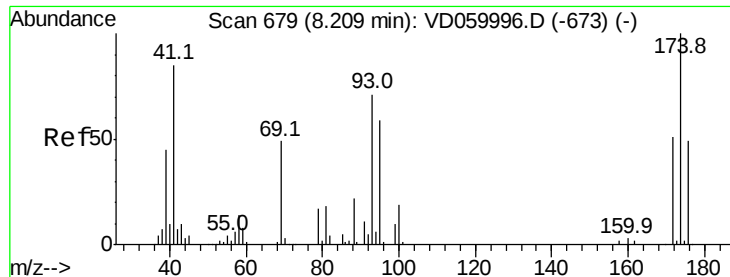
69 62.8 48.3 72.5

39 57.0 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

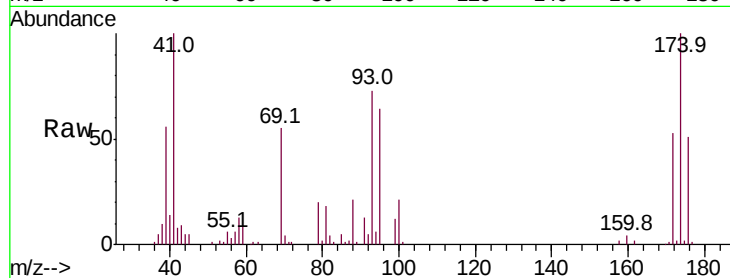




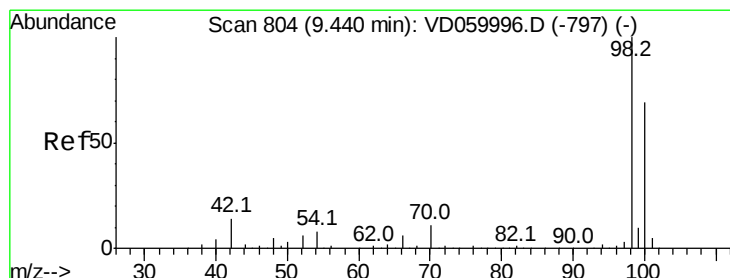
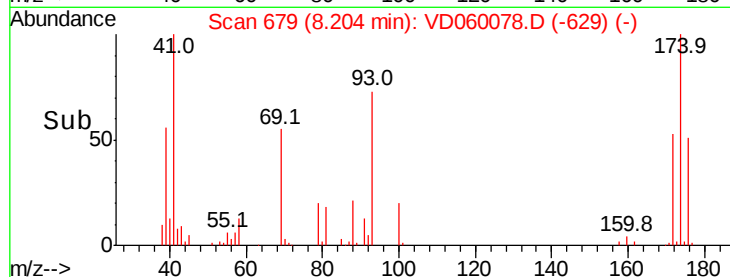
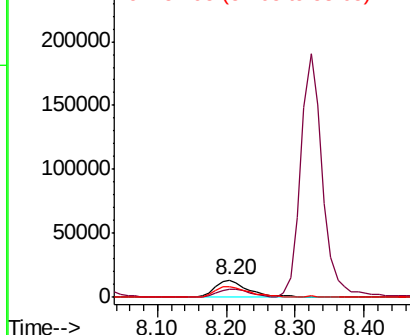
#49
 1,4-Dioxane
 Concen: 394.788 ug/l
 RT: 8.20 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 45619
 Ion Ratio Lower Upper
 88 100
 43 45.6 36.2 54.2
 58 62.0 51.0 76.6

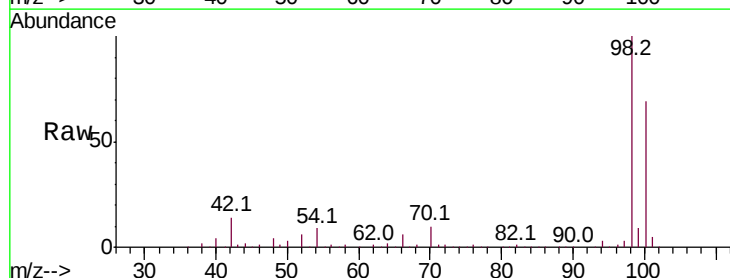


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

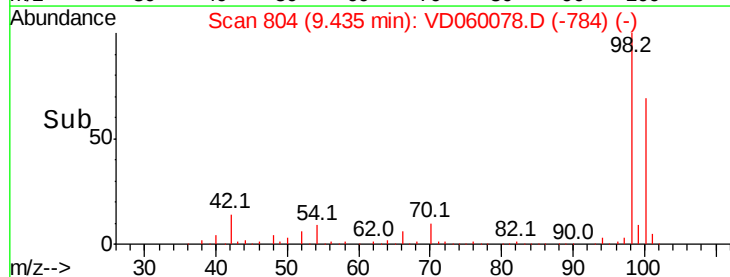
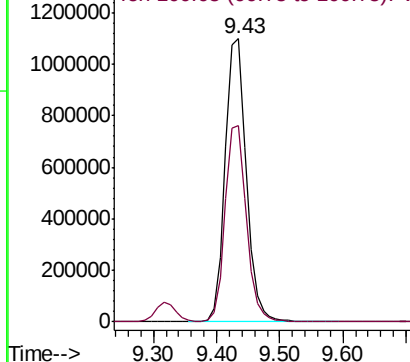


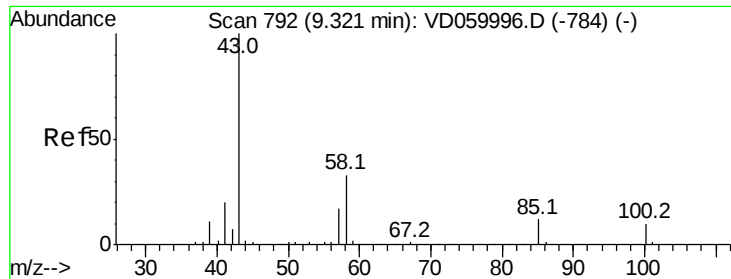
#50
 Toluene-d8
 Concen: 394.788 ug/l
 RT: 9.43 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion: 98 Resp: 2560827
 Ion Ratio Lower Upper
 98 100
 100 69.4 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: 109.635 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

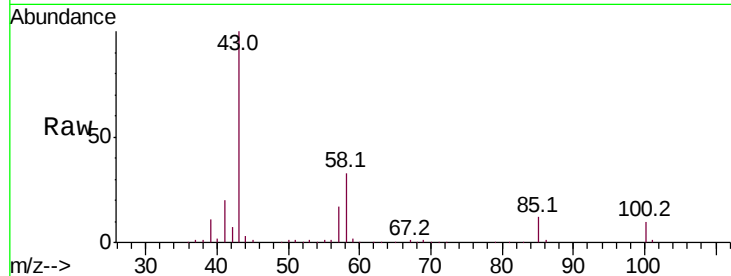
ClientSampleId :

Tot Ion: 43 Resp: 1671238

Ion Ratio Lower Upper

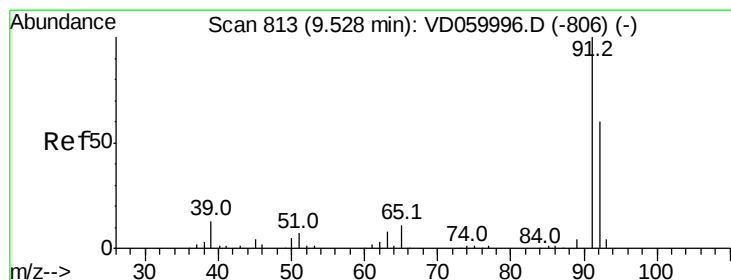
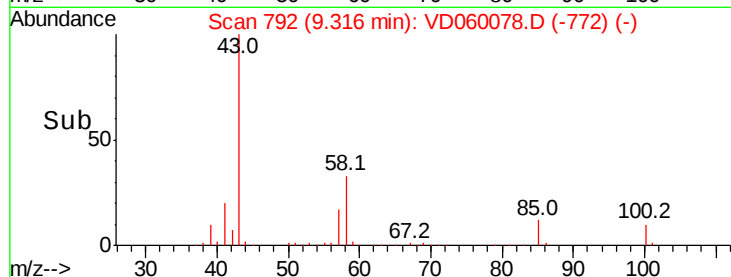
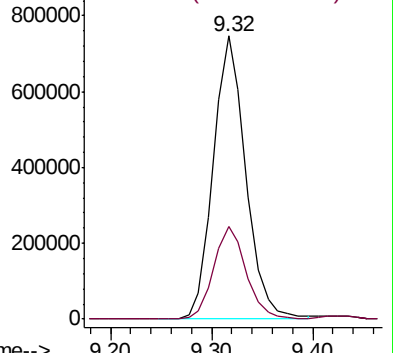
43 100

58 32.9 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: 21.361 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.00 min

Lab File: VD060078.D

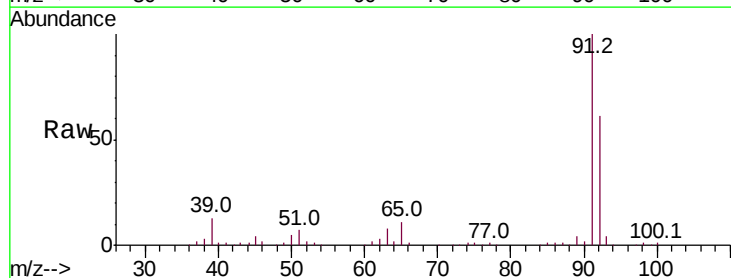
Acq: 24 Sep 2018 13:23

Tgt Ion: 92 Resp: 791730

Ion Ratio Lower Upper

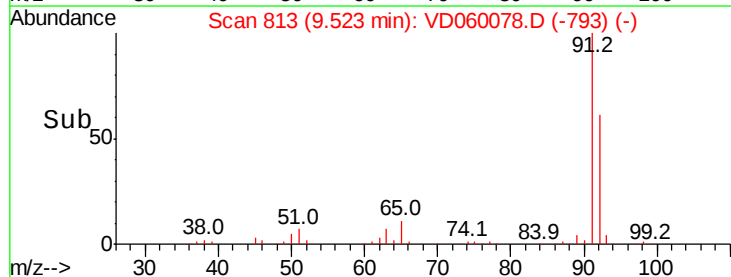
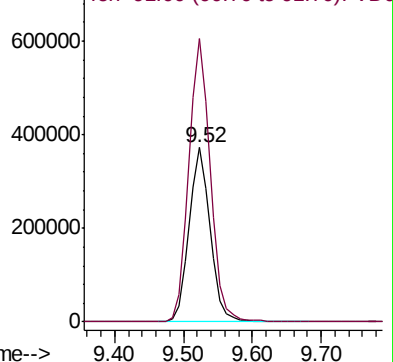
92 100

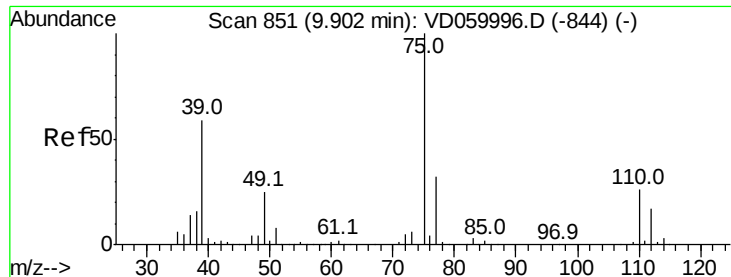
91 162.7 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

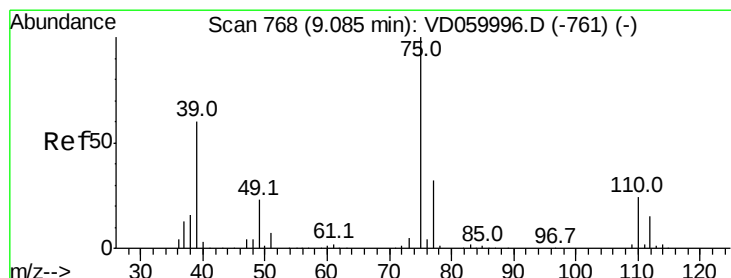
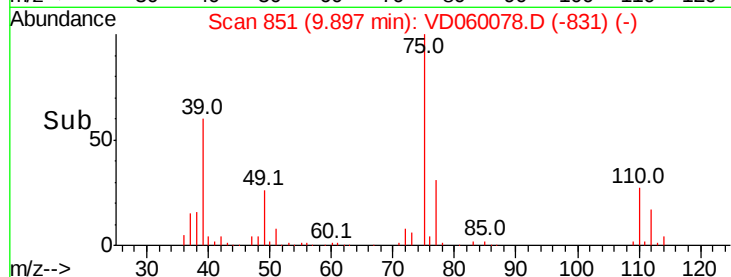
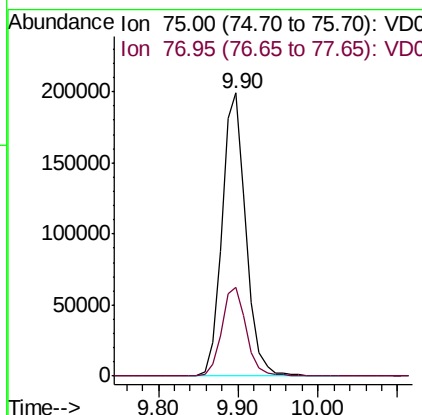
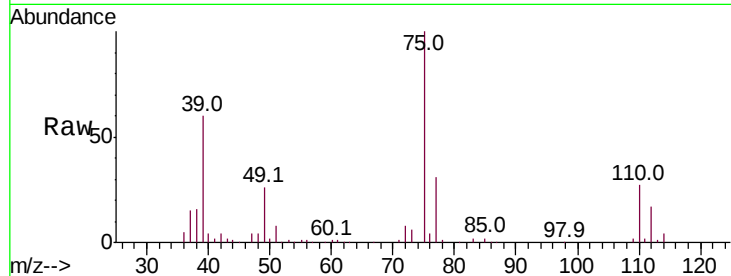




#53
 t-1,3-Dichloropropene
 Concen: 20.527 ug/l
 RT: 9.90 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

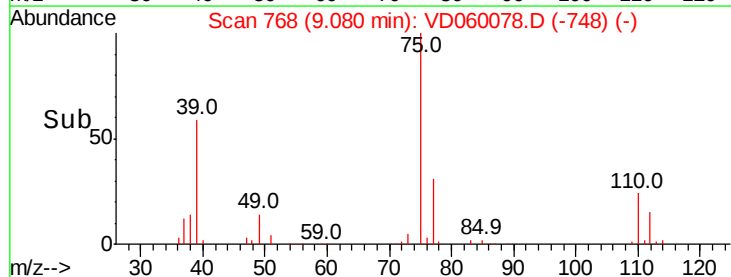
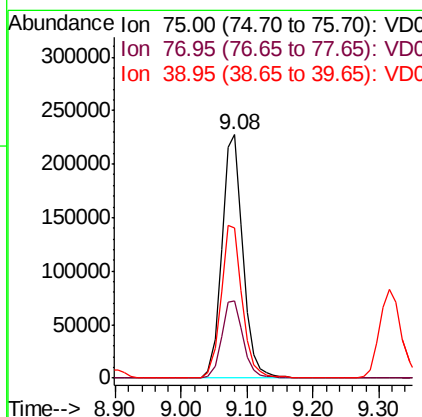
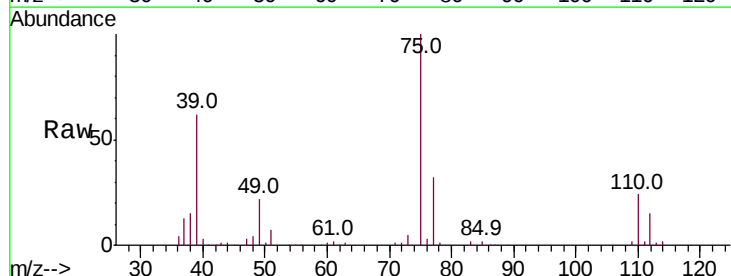
Instrument :
 MSVOA_D
 ClientSampleId :

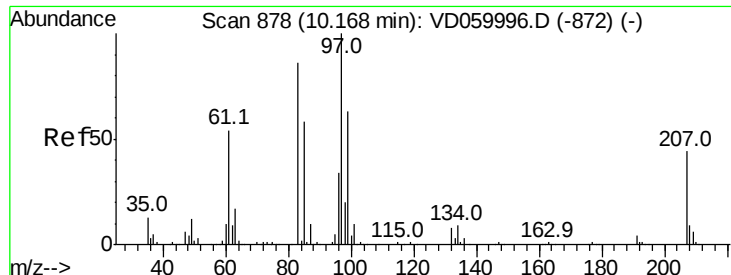
Tot Ion: 75 Resp: 416412
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.912 ug/l
 RT: 9.08 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion: 75 Resp: 506868
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3
 39 61.5 48.0 72.0





#55

1,1,2-Trichloroethane

Concen: 20.242 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 260492

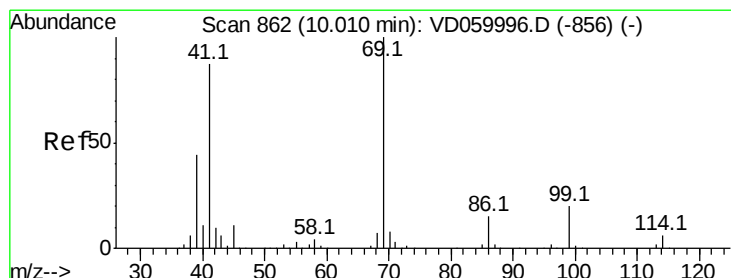
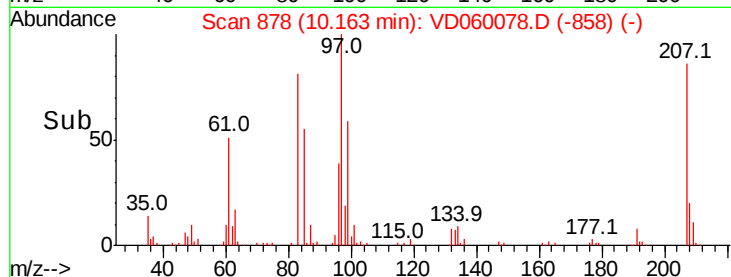
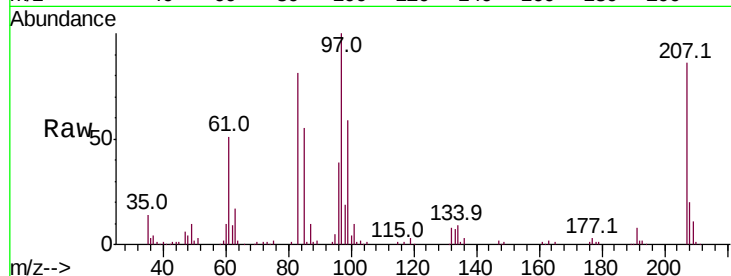
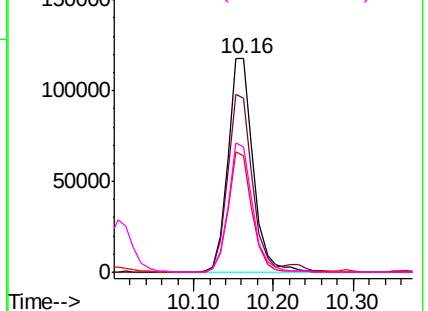
Ion	Ratio	Lower	Upper
97	100		
83	81.2	69.1	103.7
85	54.8	46.2	69.4
99	58.9	50.6	75.8

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: 20.279 ug/l

RT: 10.01 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

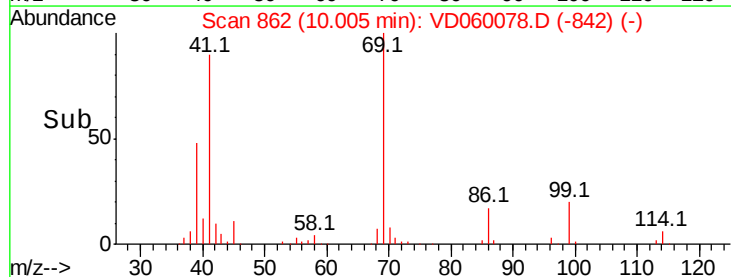
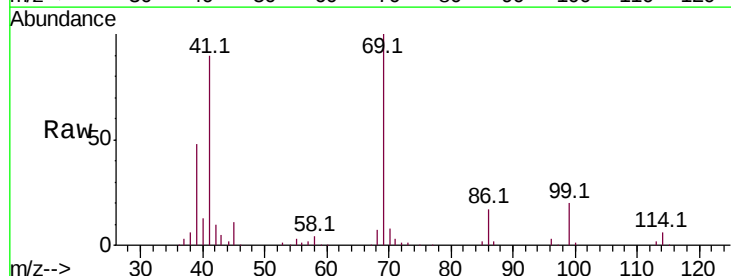
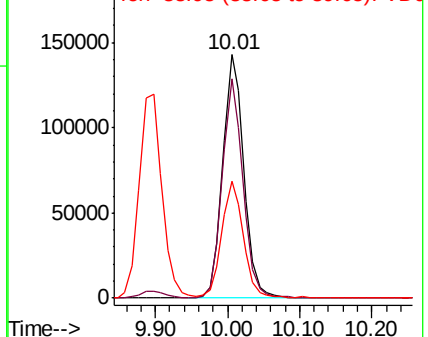
Tgt Ion: 69 Resp: 289463

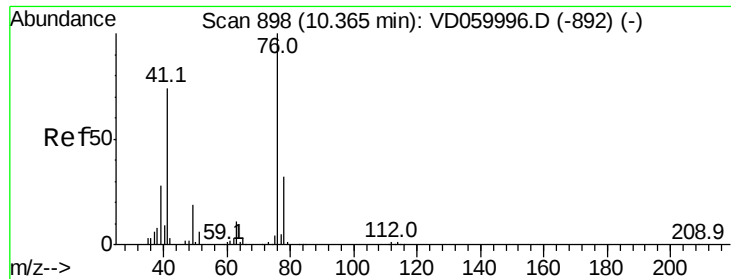
Ion	Ratio	Lower	Upper
69	100		
41	89.9	70.1	105.1
39	48.2	36.5	54.7

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

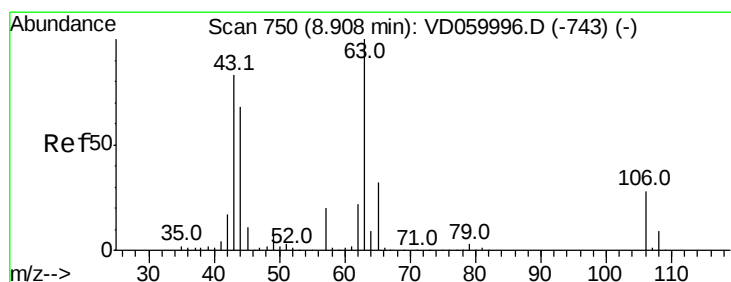
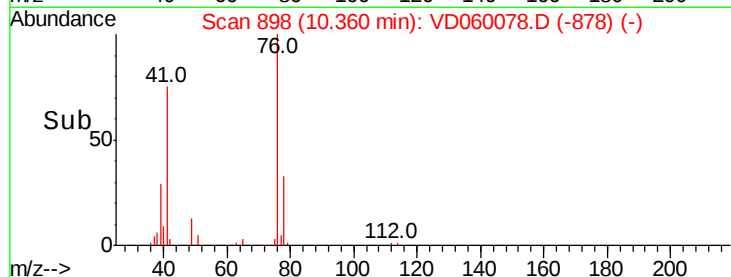
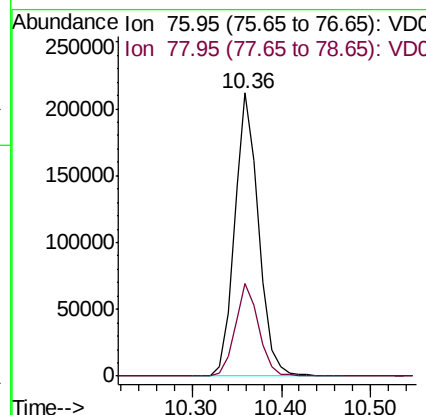
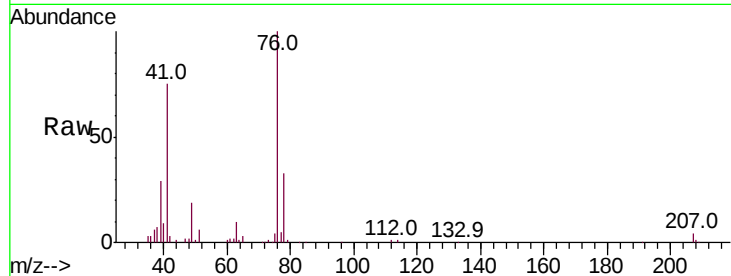




#57
 1,3-Dichloropropane
 Concen: 20.982 ug/l
 RT: 10.36 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

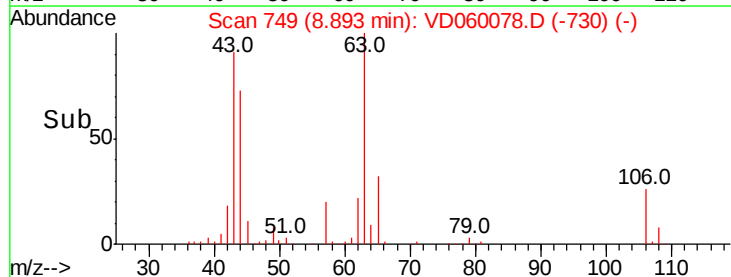
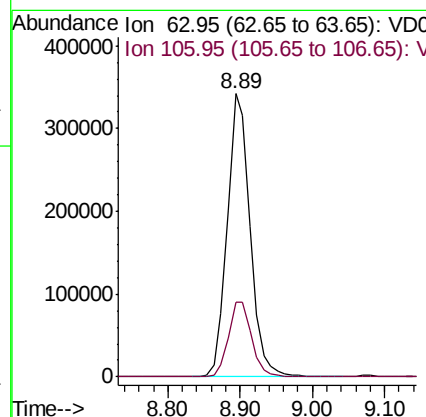
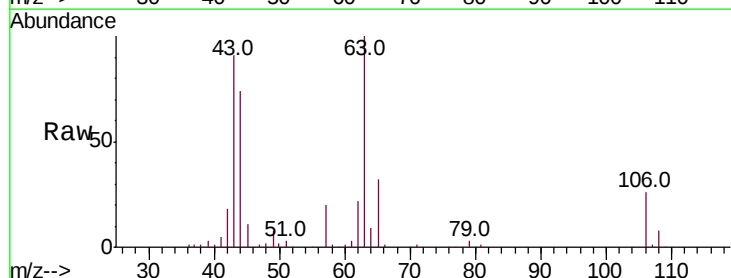
Instrument :
 MSVOA_D
 ClientSampleId :

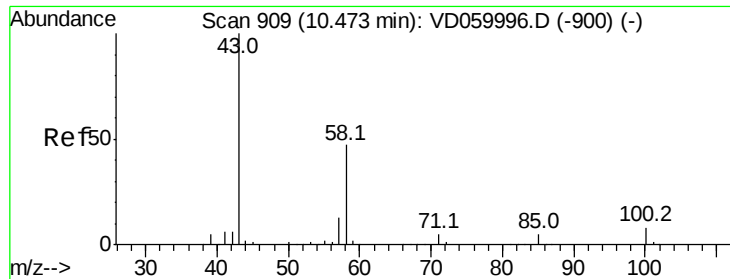
Tot Ion: 76 Resp: 398573
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.449 ug/l
 RT: 8.89 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion: 63 Resp: 747519
 Ion Ratio Lower Upper
 63 100
 106 26.5 22.0 33.0

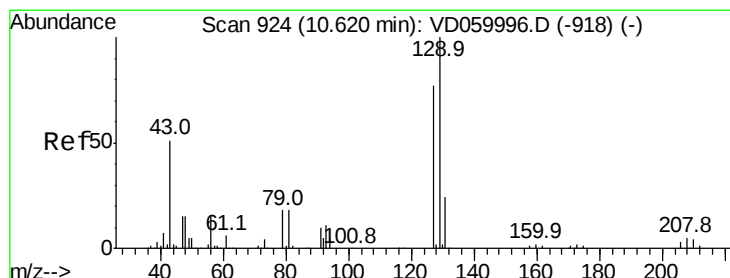
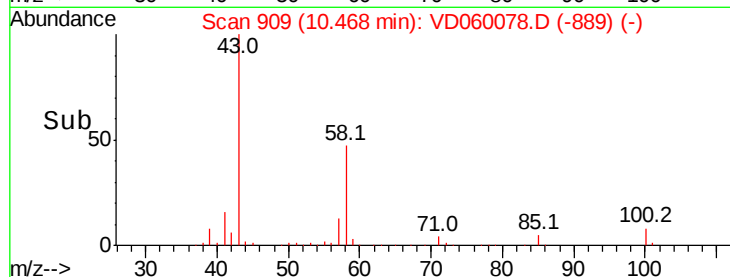
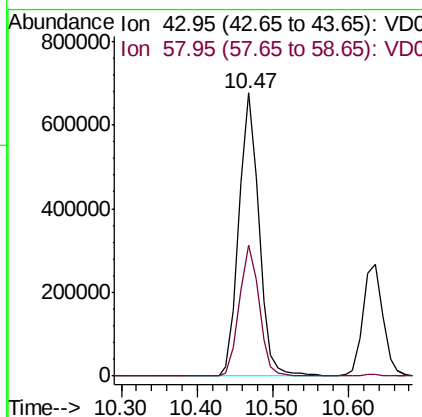
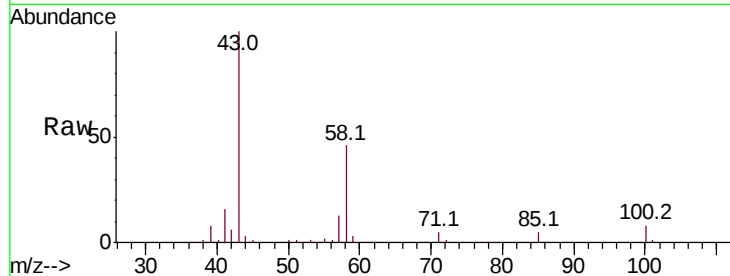




#59
2-Hexanone
Concen: 112.397 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

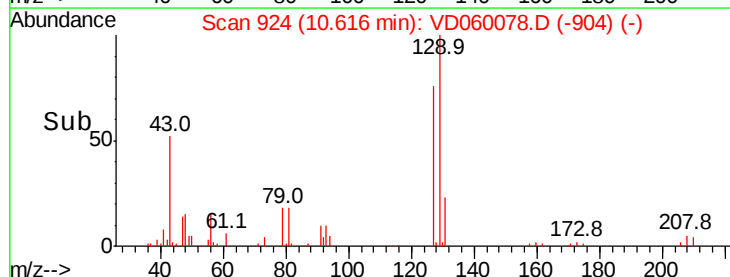
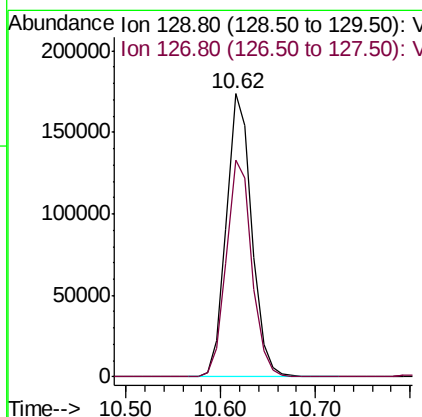
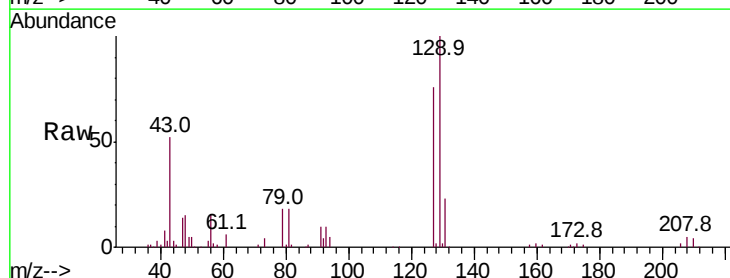
Instrument :
MSVOA_D
ClientSampled :

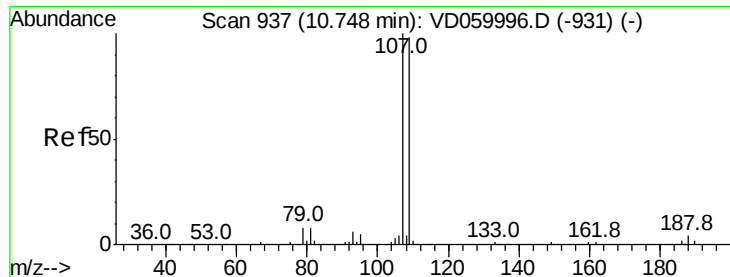
Tot Ion: 43 Resp: 1229757
Ion Ratio Lower Upper
43 100
58 46.4 23.4 70.0



#60
Dibromochloromethane
Concen: 20.584 ug/l
RT: 10.62 min Scan# 924
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion: 129 Resp: 322422
Ion Ratio Lower Upper
129 100
127 76.4 38.6 116.0

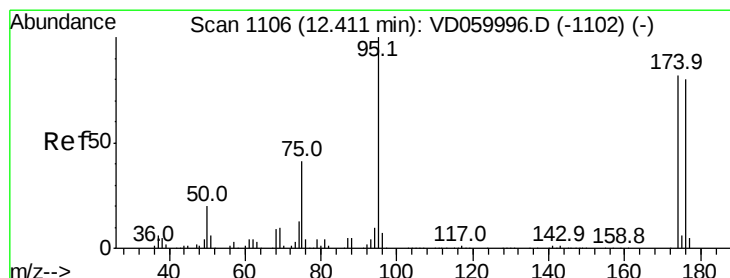
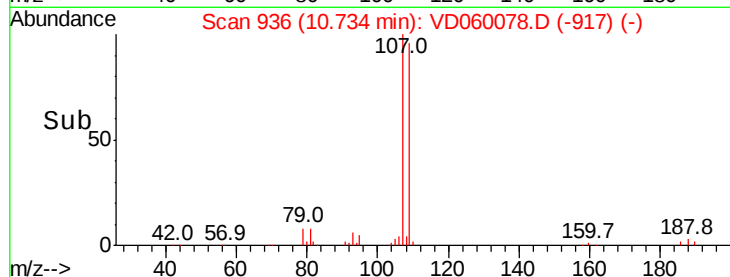
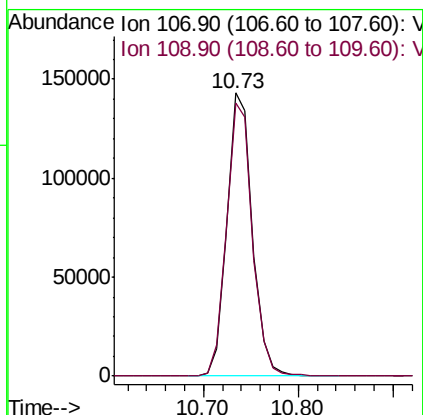
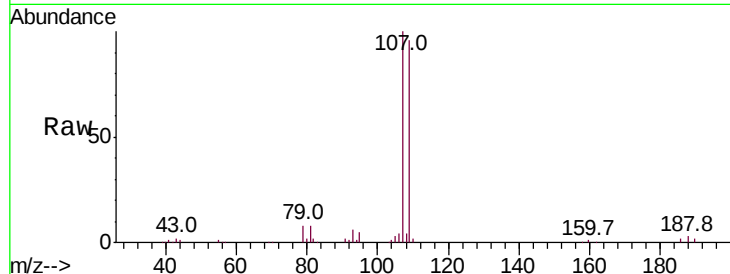




#61
 1,2-Dibromoethane
 Concen: 19.883 ug/l
 RT: 10.73 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

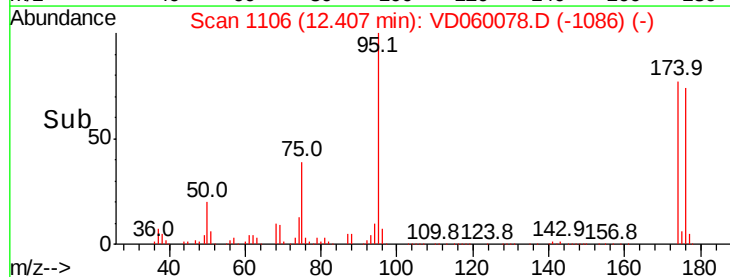
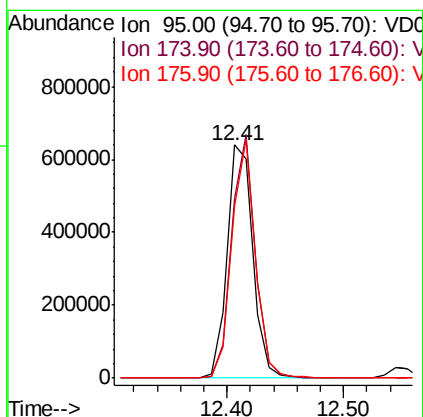
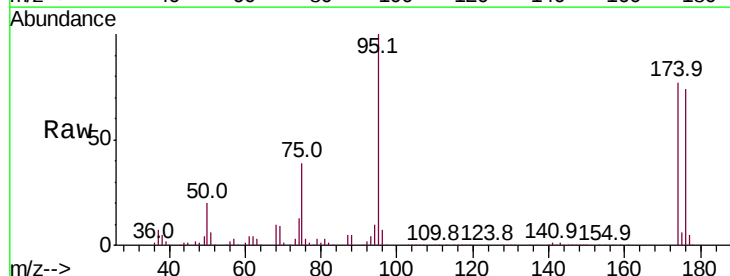
Instrument :
 MSVOA_D
 ClientSampleId :

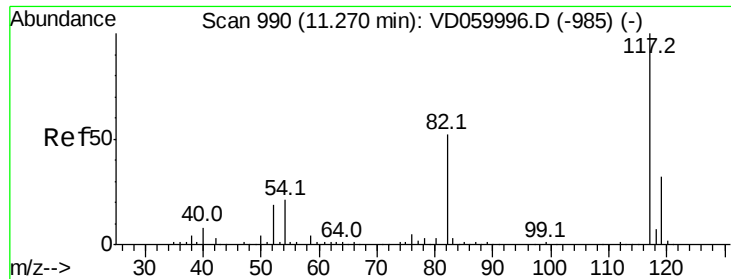
Tot Ion:107 Resp: 264180
 Ion Ratio Lower Upper
 107 100
 109 96.4 78.2 117.2



#62
 4-Bromofluorobenzene
 Concen: 19.883 ug/l
 RT: 12.41 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion: 95 Resp: 975771
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 165.0
 176 73.8 0.0 160.2

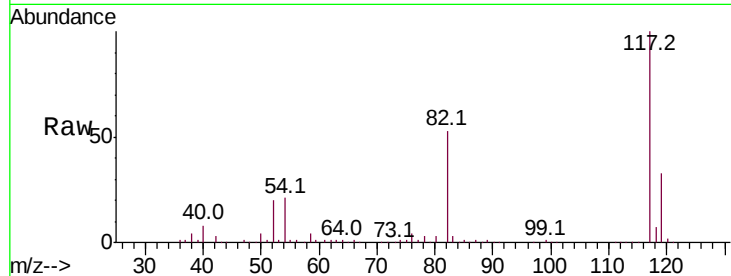




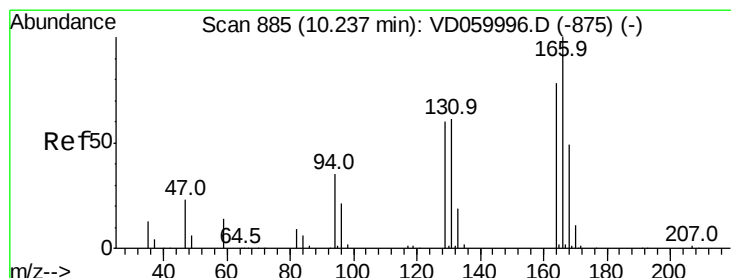
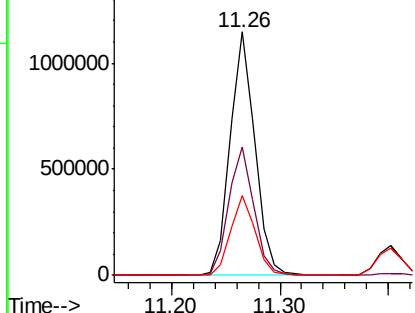
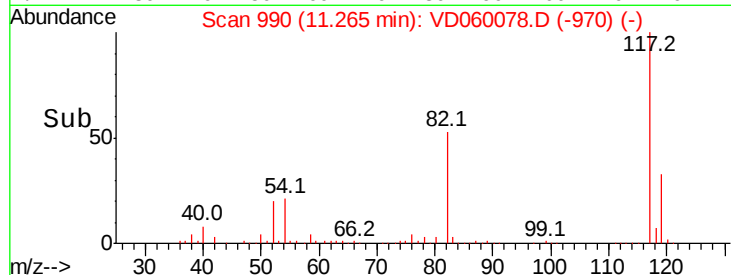
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1833460
Ion Ratio Lower Upper
117 100
82 52.7 41.7 62.5
119 32.5 26.0 39.0

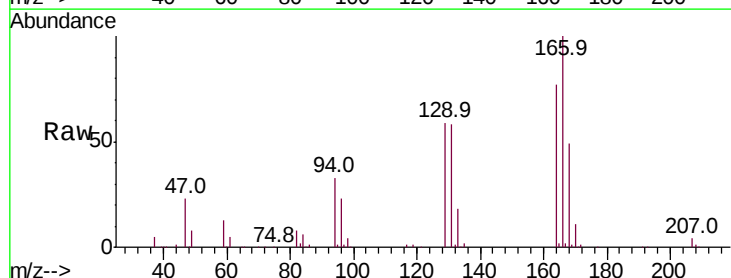


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

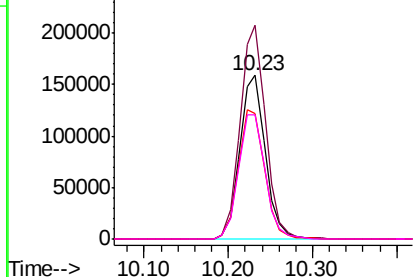
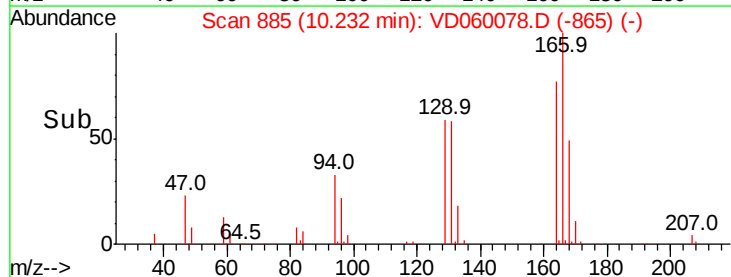


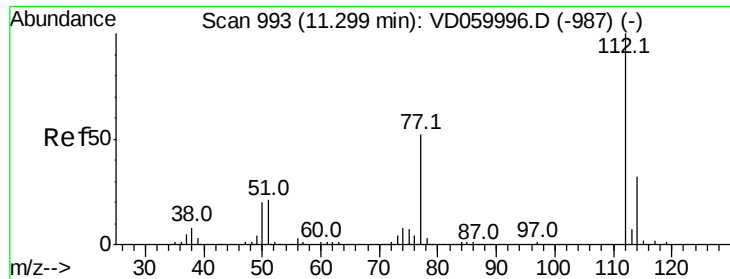
#64
Tetrachloroethene
Concen: 20.789 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion:164 Resp: 336299
Ion Ratio Lower Upper
164 100
166 130.7 103.0 154.6
129 77.1 61.9 92.9
131 75.8 62.6 93.8



Abundance Ion 163.85 (163.55 to 164.55): V
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

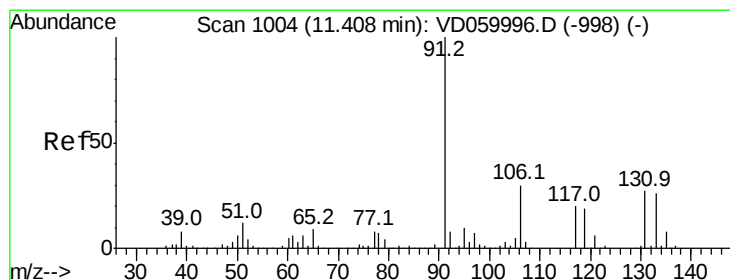
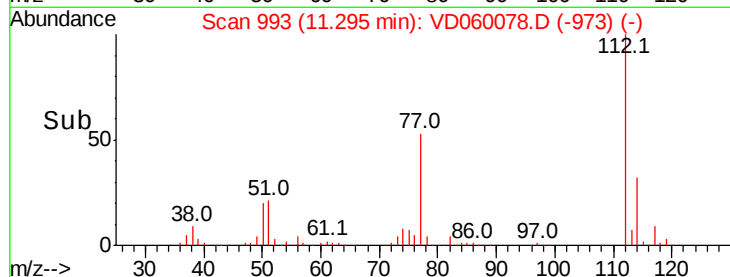
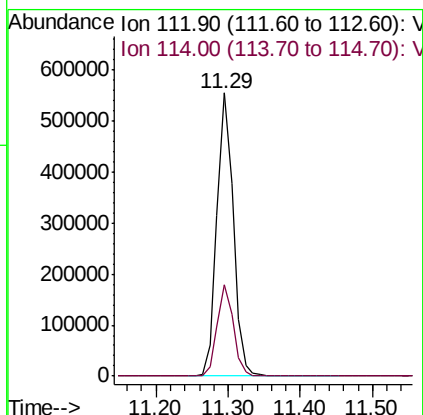
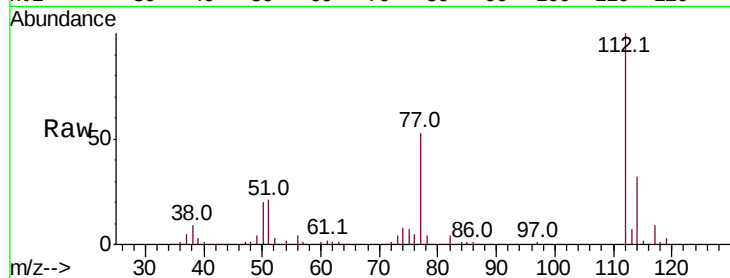




#65
Chlorobenzene
Concen: 21.909 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

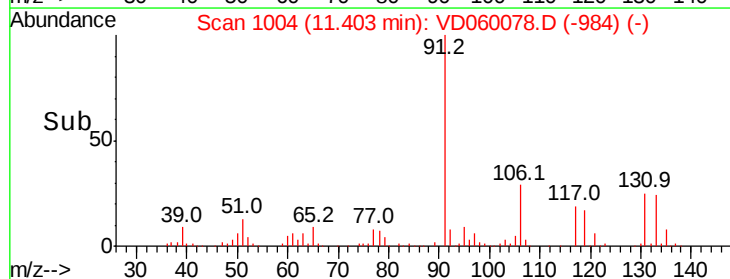
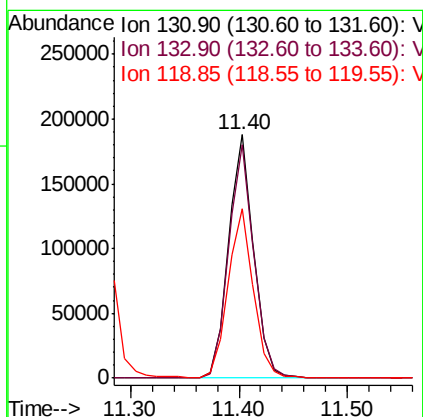
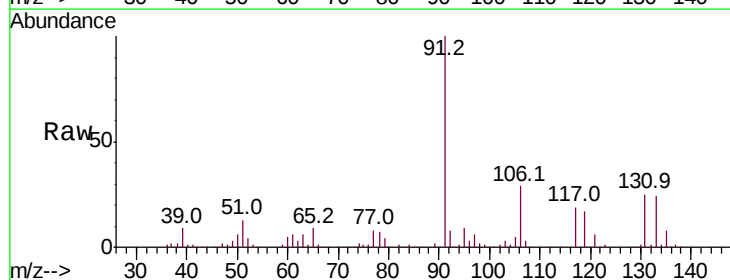
Instrument :
MSVOA_D
ClientSampled :

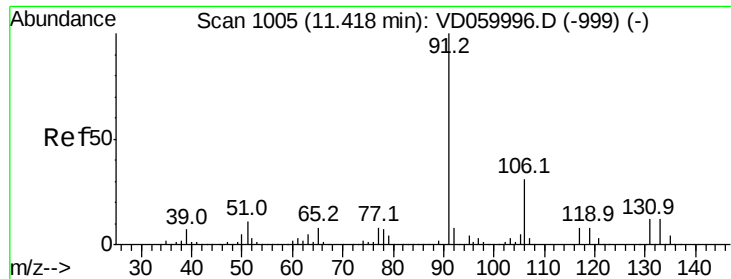
Tot Ion:112 Resp: 863615
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 22.715 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion:131 Resp: 302004
Ion Ratio Lower Upper
131 100
133 95.6 47.4 142.3
119 69.3 35.6 106.9

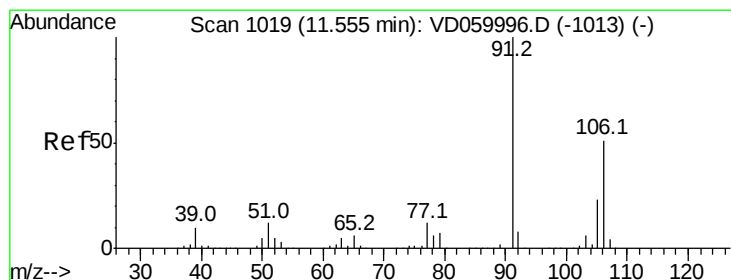
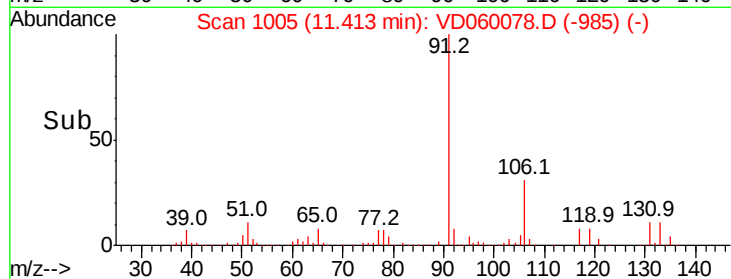
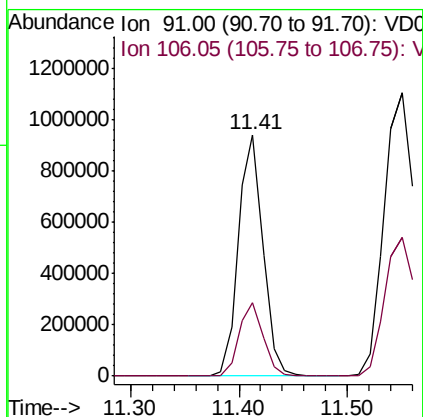
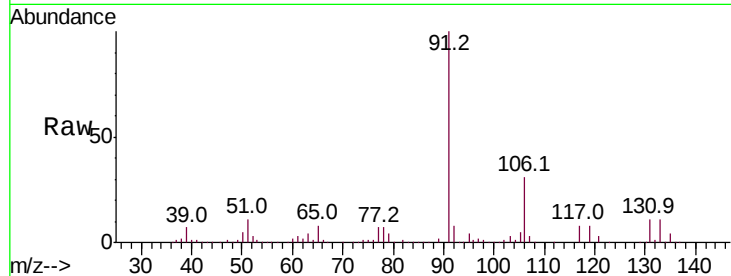




#67
Ethyl Benzene
Concen: 23.471 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

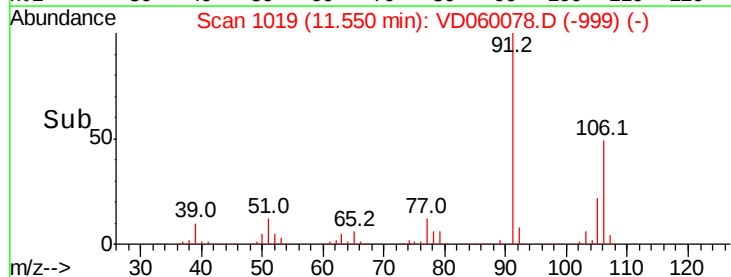
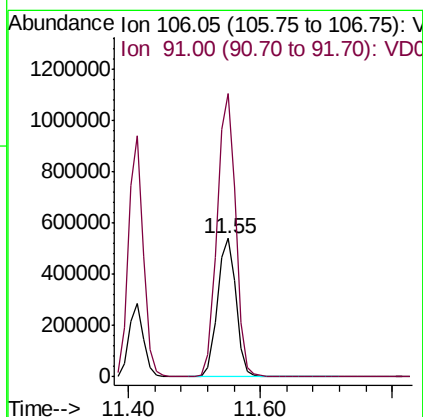
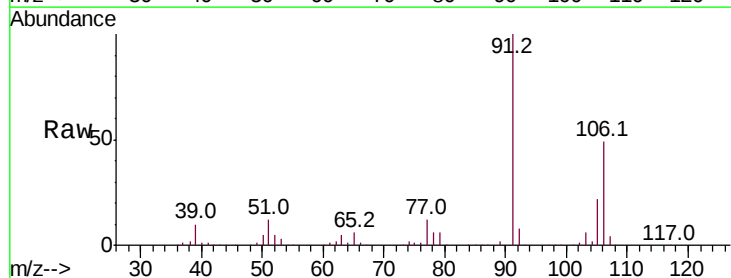
Instrument :
MSVOA_D
ClientSampled :

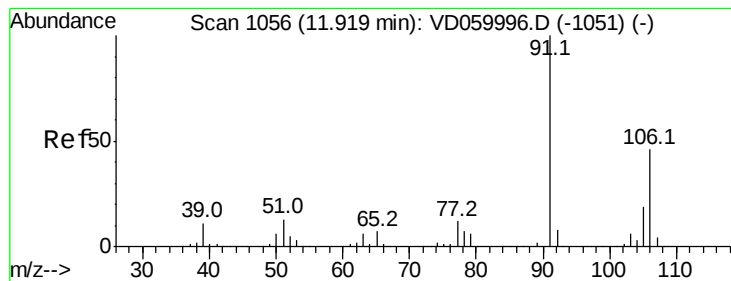
Tot Ion: 91 Resp: 1488908
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2



#68
m/p-Xylenes
Concen: 44.890 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion:106 Resp: 1051681
Ion Ratio Lower Upper
106 100
91 204.8 157.0 235.6





#69

o-Xylene

Concen: 21.993 ug/l

RT: 11.91 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

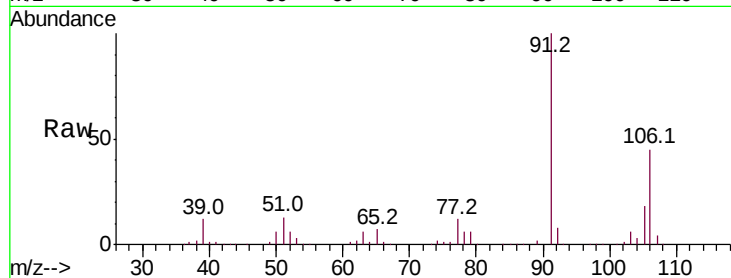
ClientSampled :

Tot Ion:106 Resp: 510550

Ion Ratio Lower Upper

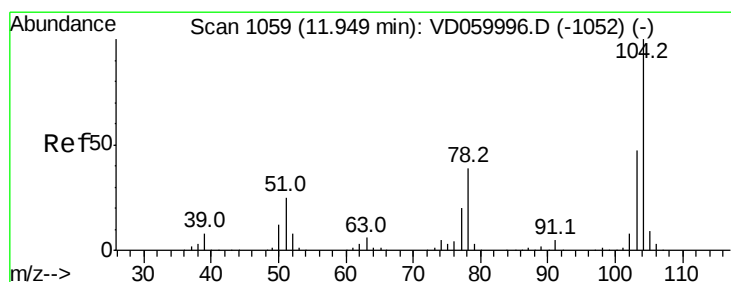
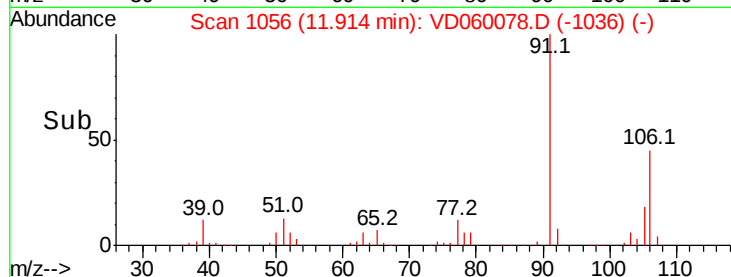
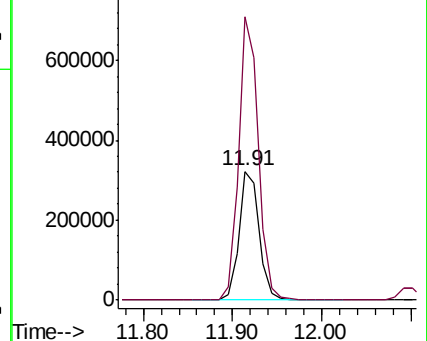
106 100

91 220.2 107.7 323.1



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 22.439 ug/l

RT: 11.94 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

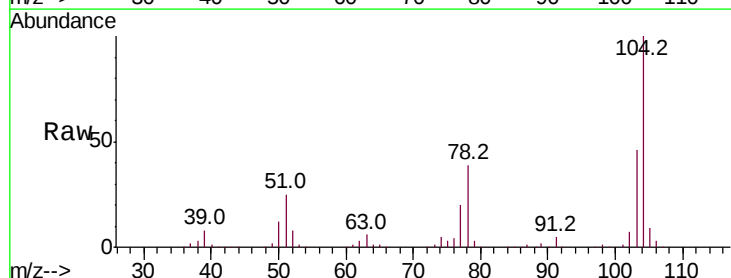
Tgt Ion:104 Resp: 875821

Ion Ratio Lower Upper

104 100

78 38.7 31.0 46.4

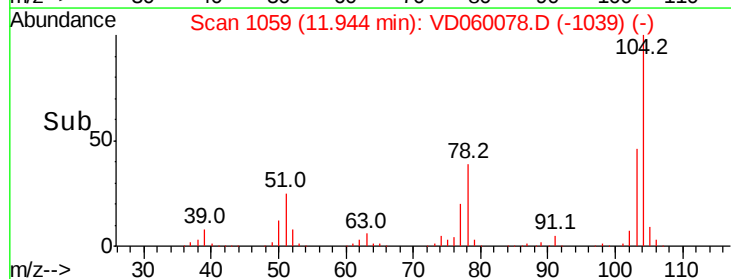
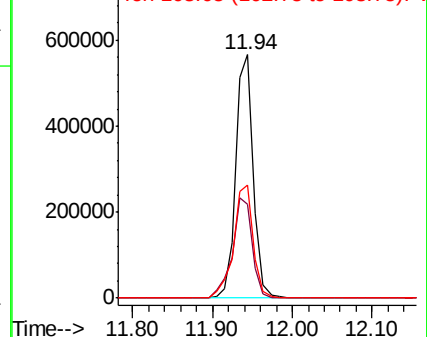
103 46.2 37.6 56.4

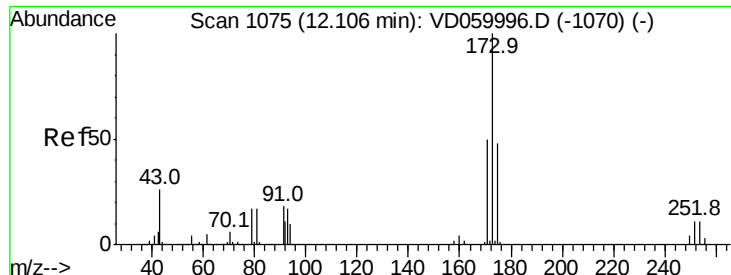


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V

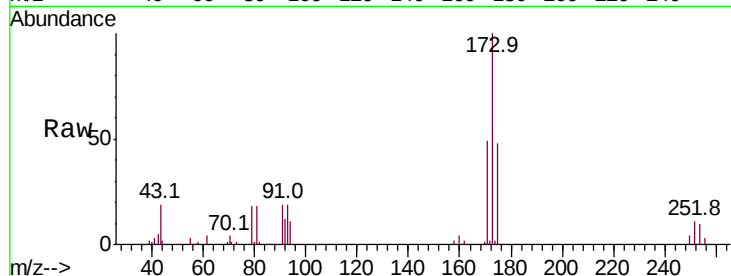




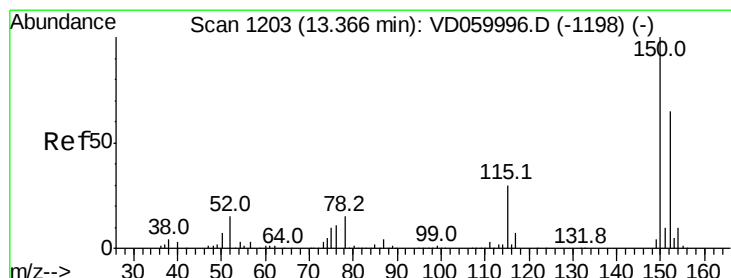
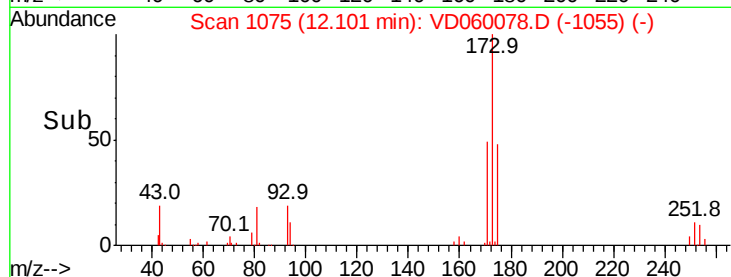
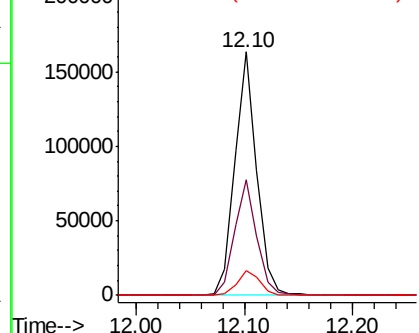
#71
Bromoform
Concen: 20.029 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 228785
Ion Ratio Lower Upper
173 100
175 47.7 24.0 72.0
254 10.1 8.6 13.0

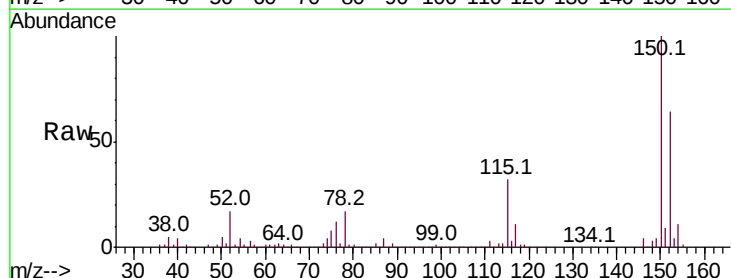


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

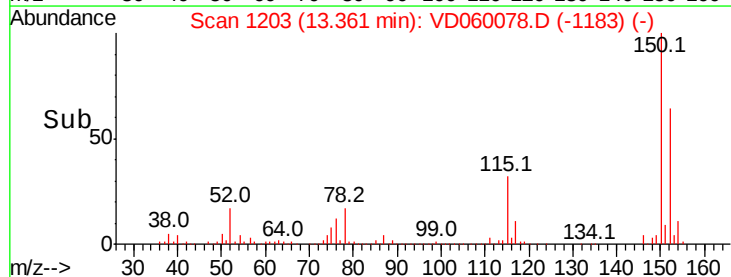
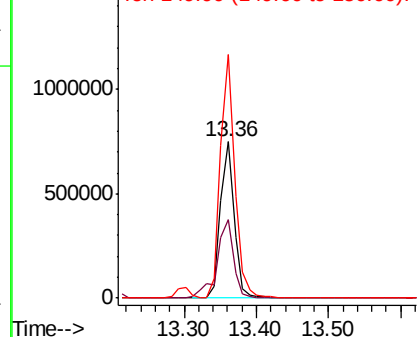


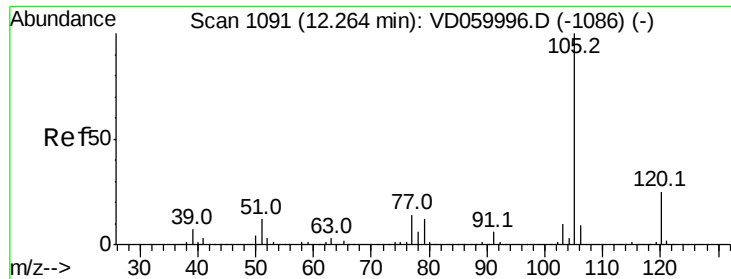
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion:152 Resp: 977245
Ion Ratio Lower Upper
152 100
115 50.0 24.6 73.8
150 155.7 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: 22.698 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

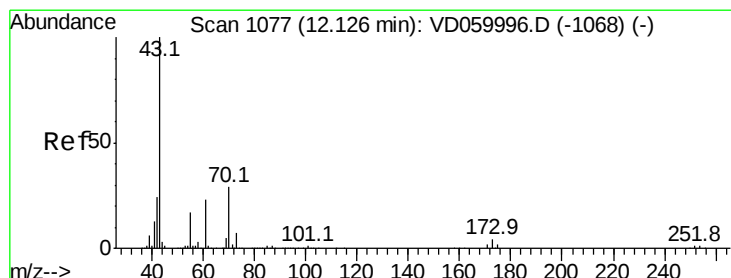
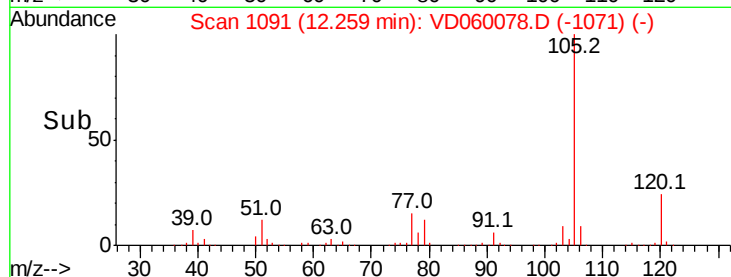
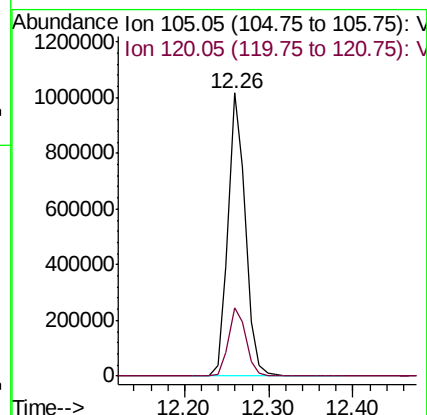
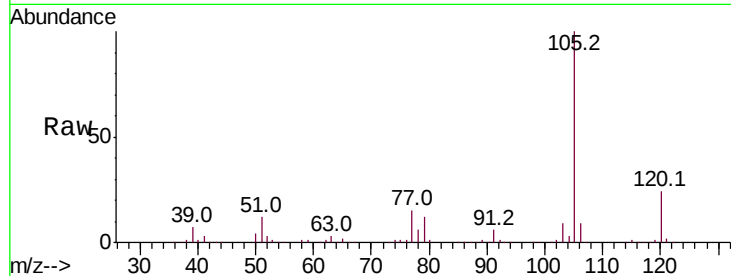
ClientSampled :

Tot Ion:105 Resp: 1454760

Ion Ratio Lower Upper

105 100

120 24.0 12.3 36.9



#74

N-ethyl acetate

Concen: 20.617 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Tgt Ion: 43 Resp: 523414

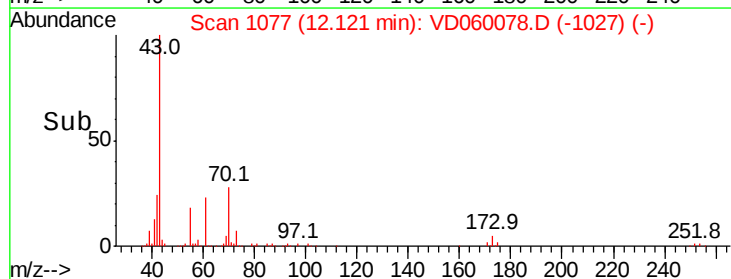
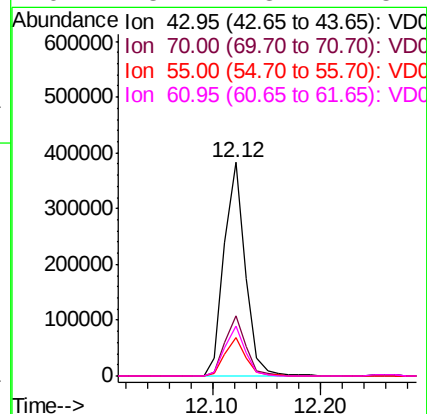
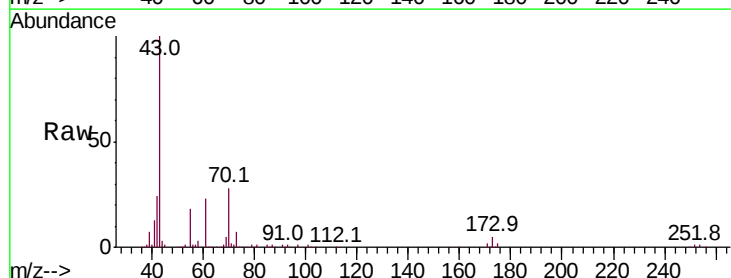
Ion Ratio Lower Upper

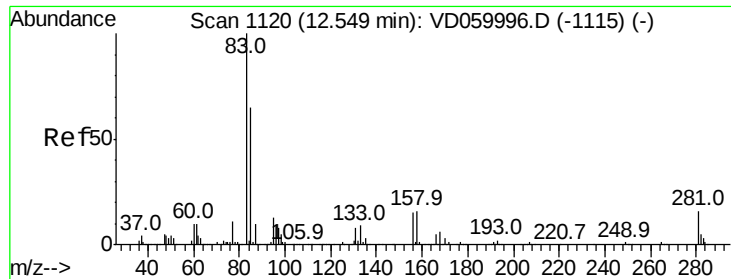
43 100

70 28.1 22.9 34.3

55 18.0 14.0 21.0

61 23.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.662 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

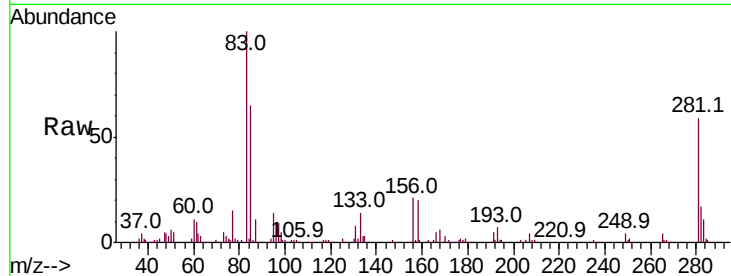
Tot Ion: 83 Resp: 314955

Ion Ratio Lower Upper

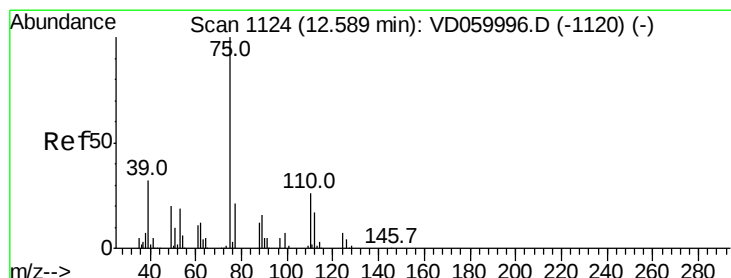
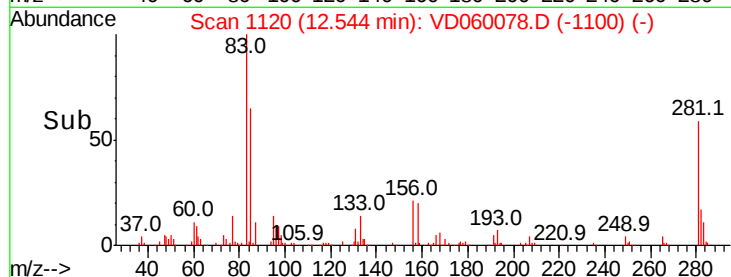
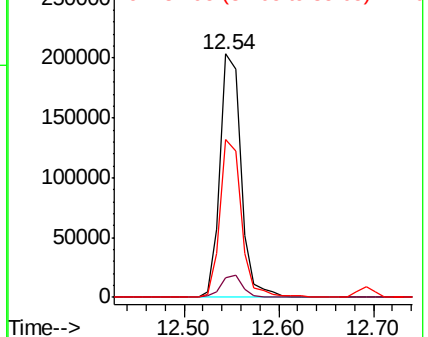
83 100

131 7.9 4.1 12.3

85 64.8 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: 20.779 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD060078.D

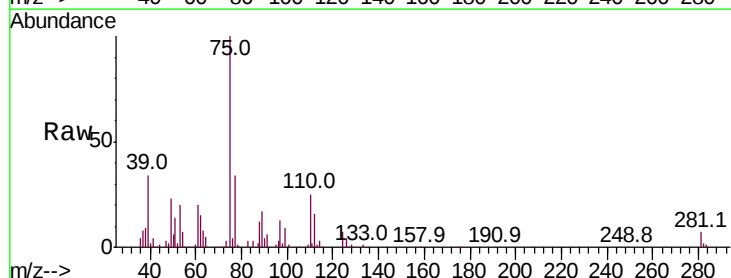
Acq: 24 Sep 2018 13:23

Tgt Ion: 75 Resp: 310131

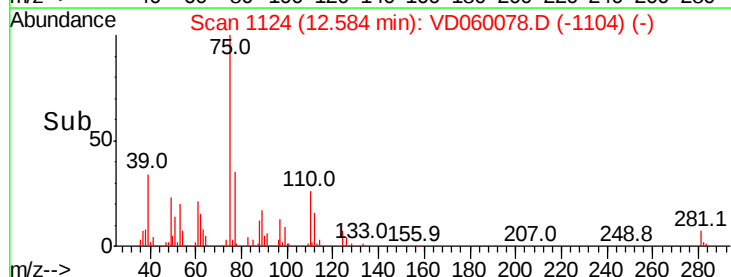
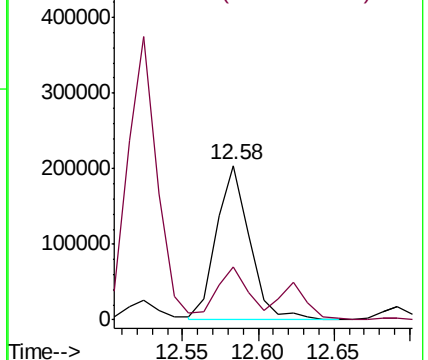
Ion Ratio Lower Upper

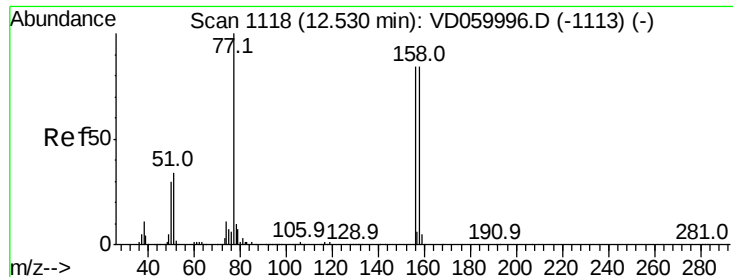
75 100

77 34.3 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: 22.148 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampled :

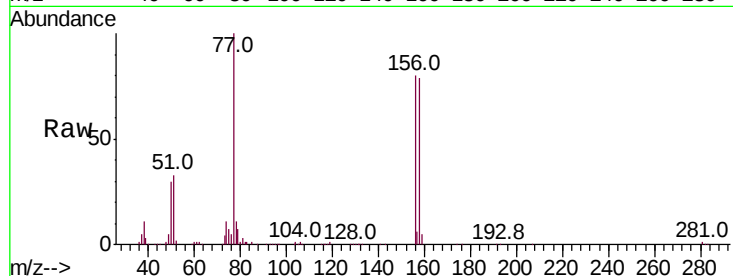
Tot Ion:156 Resp: 408908

Ion Ratio Lower Upper

156 100

77 125.1 59.5 178.4

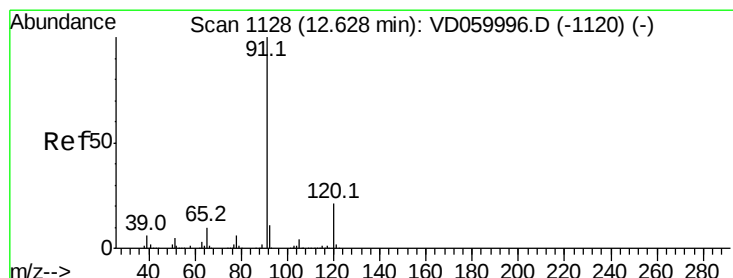
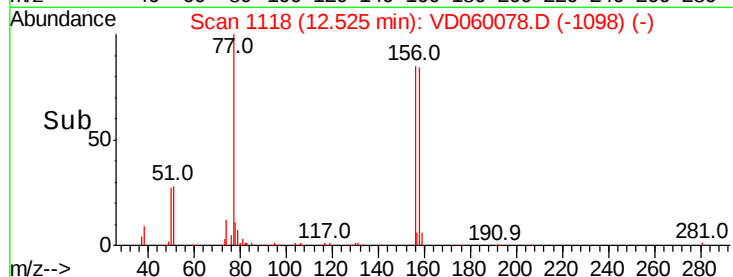
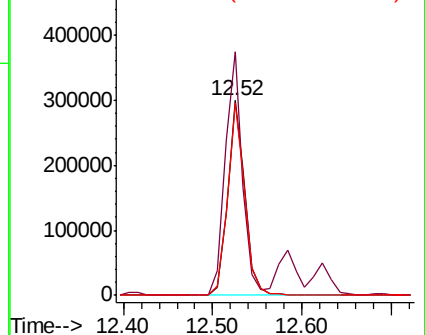
158 98.8 50.0 149.8



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: 22.827 ug/l

RT: 12.62 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VD060078.D

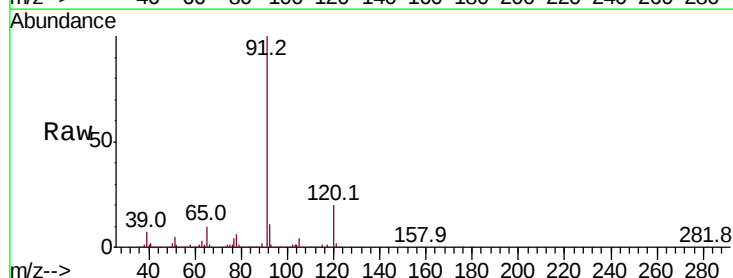
Acq: 24 Sep 2018 13:23

Tgt Ion: 91 Resp: 1839768

Ion Ratio Lower Upper

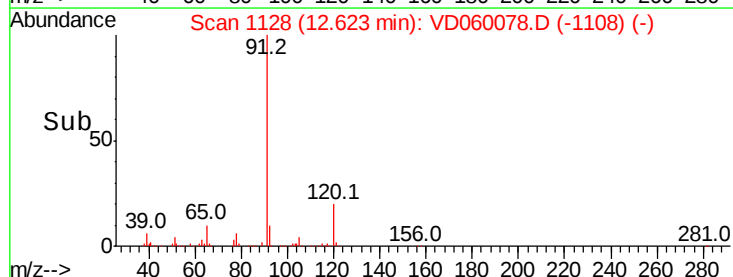
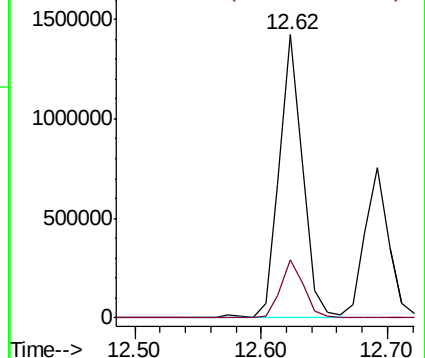
91 100

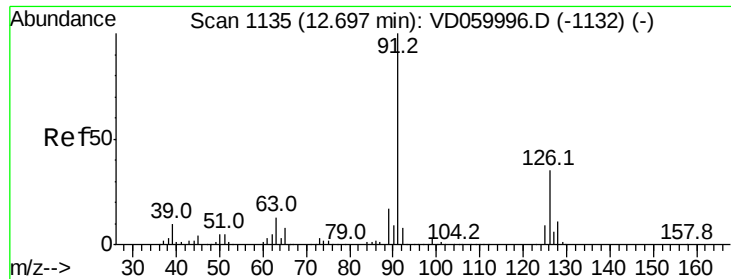
120 20.4 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.964 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

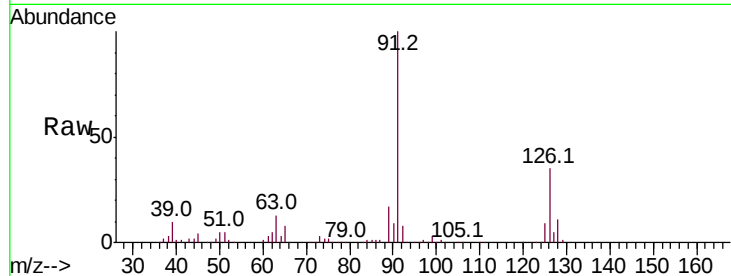
ClientSampleId :

Tot Ion: 91 Resp: 999177

Ion Ratio Lower Upper

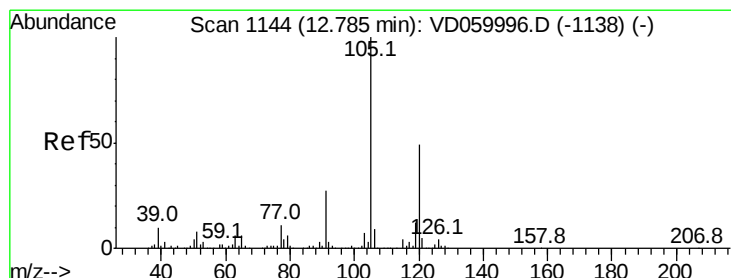
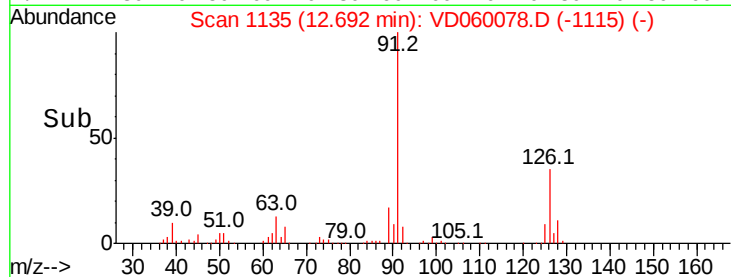
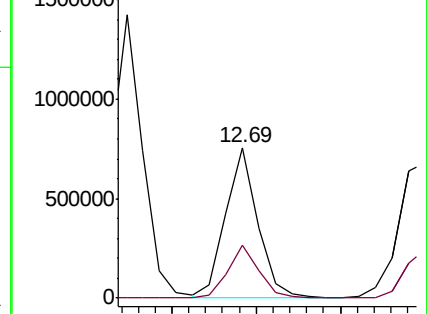
91 100

126 35.2 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: 21.438 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD060078.D

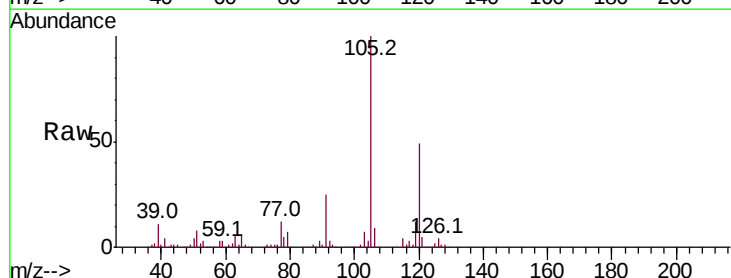
Acq: 24 Sep 2018 13:23

Tgt Ion:105 Resp: 1053157

Ion Ratio Lower Upper

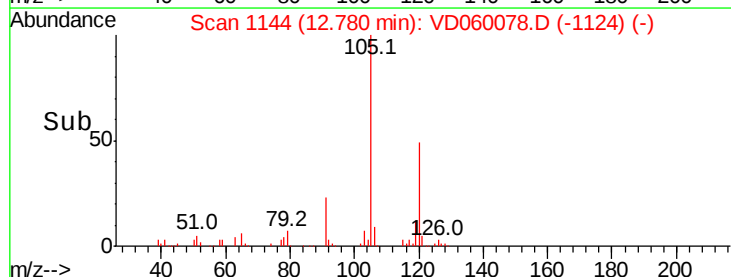
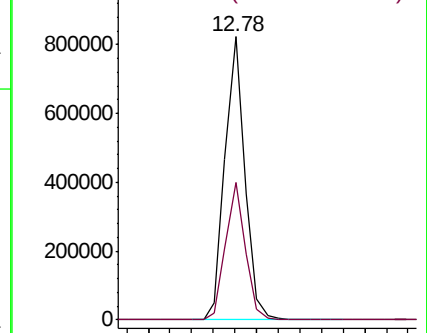
105 100

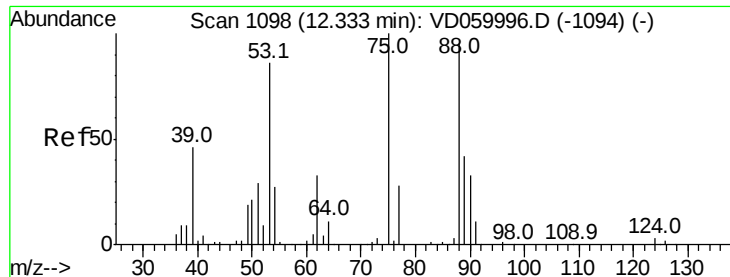
120 48.7 24.4 73.2



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: 19.687 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

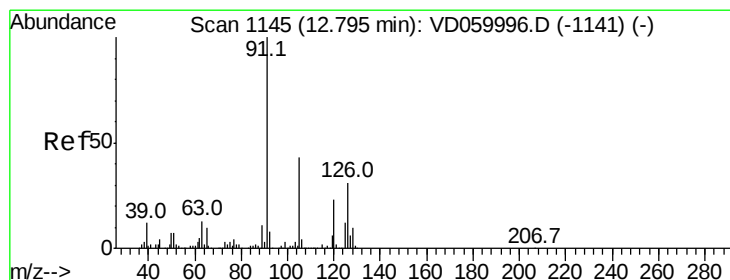
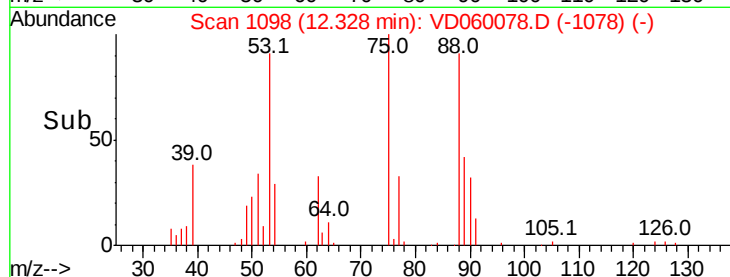
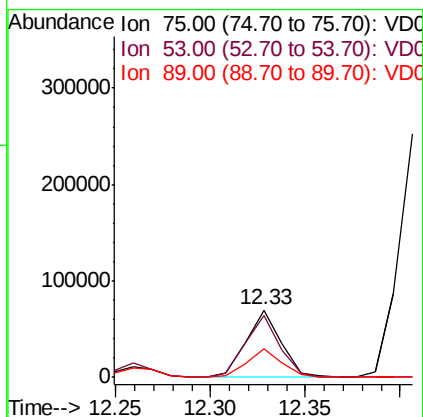
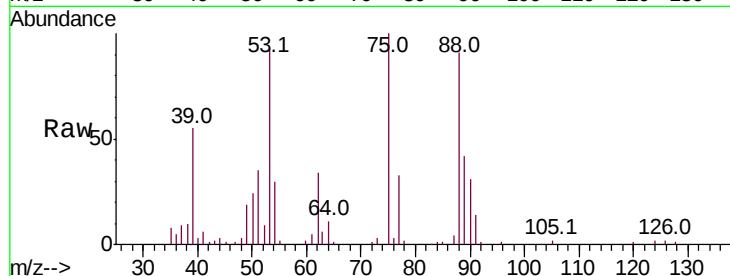
Tot Ion: 75 Resp: 88699

Ion Ratio Lower Upper

75 100

53 92.8 68.4 102.6

89 41.7 33.8 50.6



#82

4-Chlorotoluene

Concen: 21.696 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060078.D

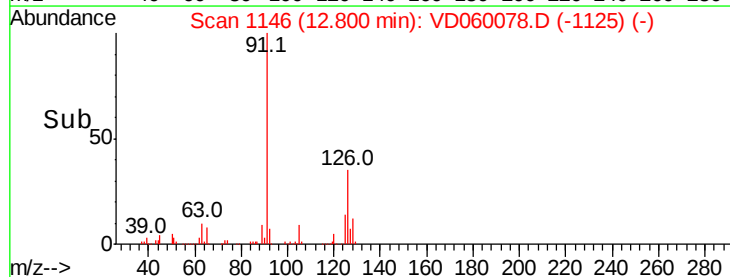
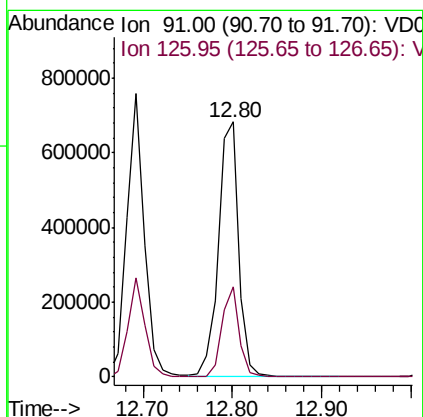
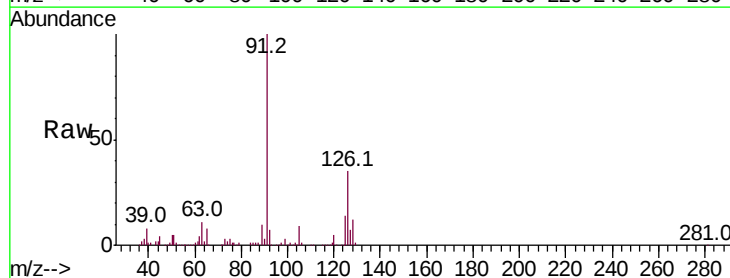
Acq: 24 Sep 2018 13:23

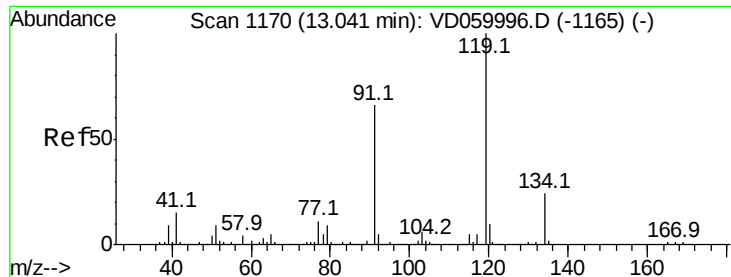
Tgt Ion: 91 Resp: 1085116

Ion Ratio Lower Upper

91 100

126 35.4 15.4 46.1



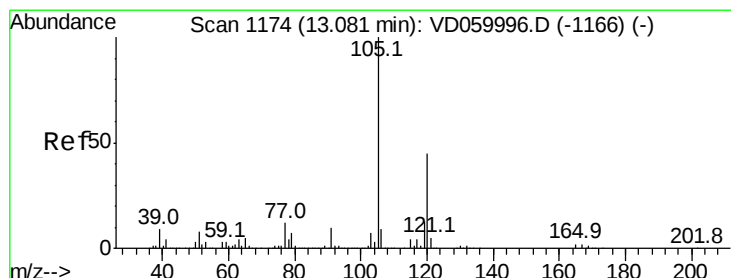
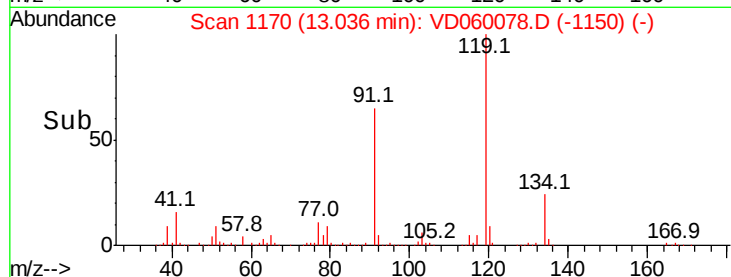
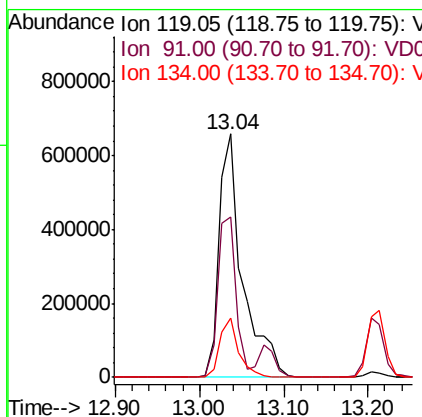
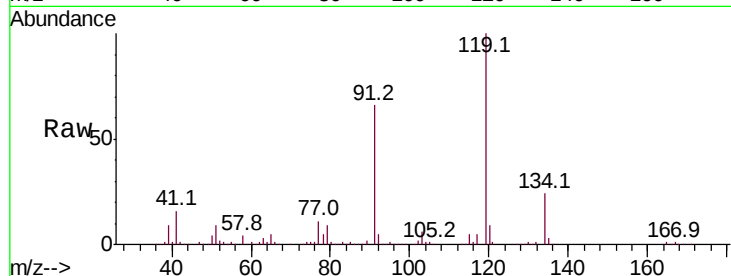


#83
 tert-Butylbenzene
 Concen: 22.385 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:119 Resp: 1273933

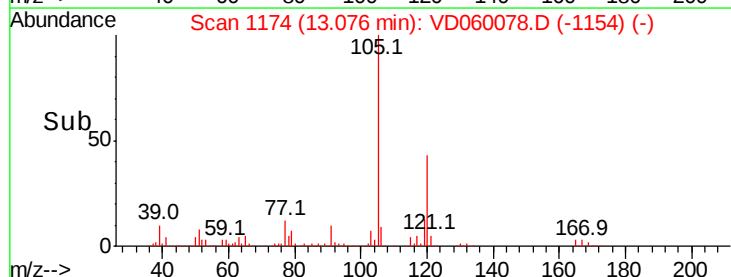
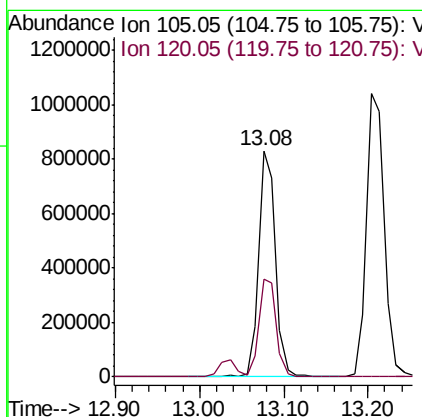
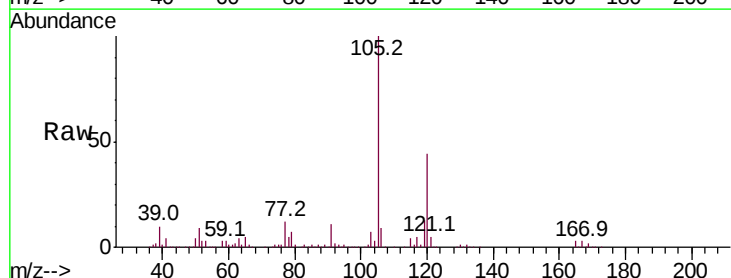
Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.9	98.6
134	24.5	12.0	36.0

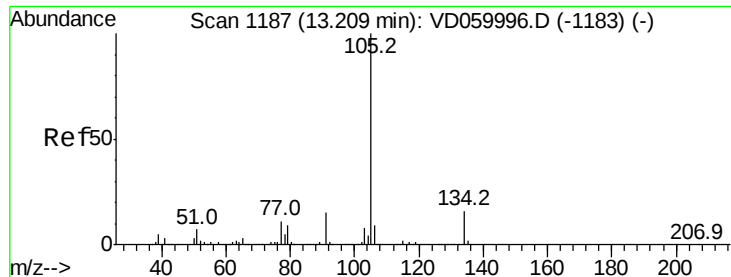


#84
 1,2,4-Trimethylbenzene
 Concen: 22.312 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion:105 Resp: 1169679

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.4	67.0





#85

sec-Butylbenzene

Concen: 22.635 ug/l

RT: 13.20 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

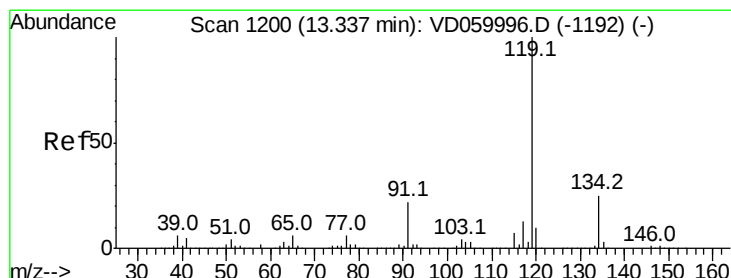
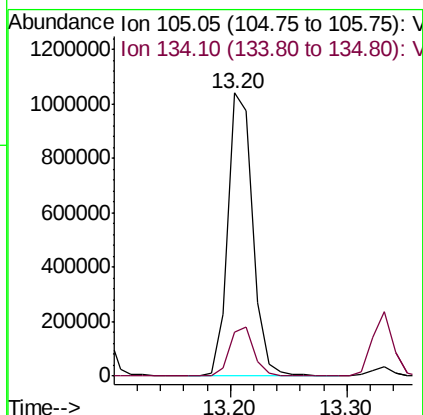
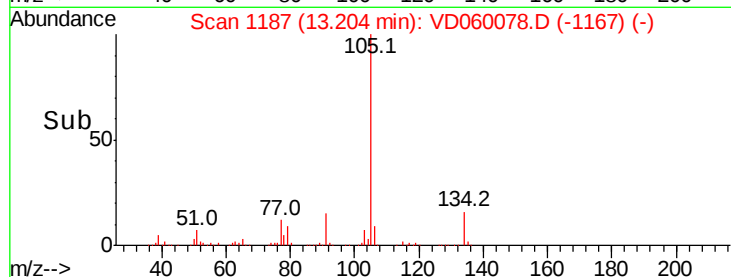
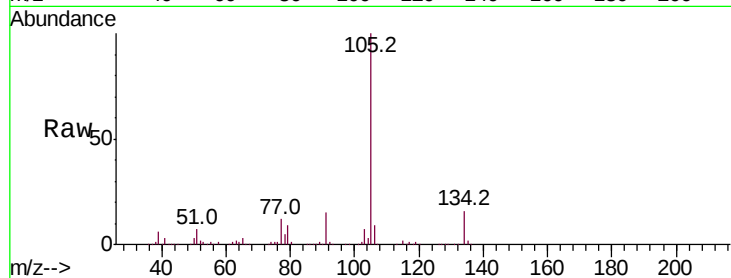
ClientSampled :

Tot Ion:105 Resp: 1529133

Ion Ratio Lower Upper

105 100

134 15.6 8.2 24.6



#86

p-Isopropyltoluene

Concen: 22.411 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

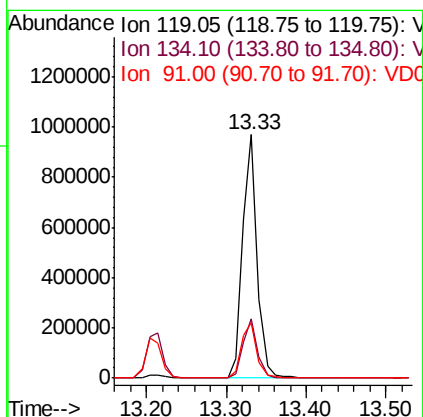
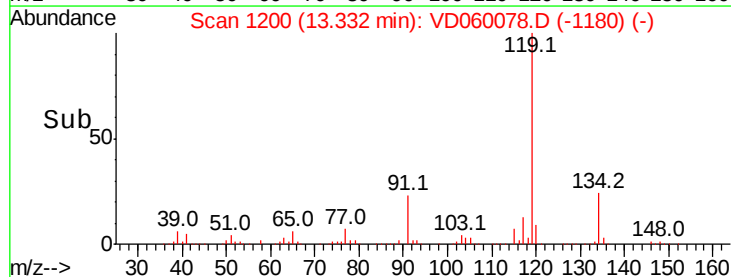
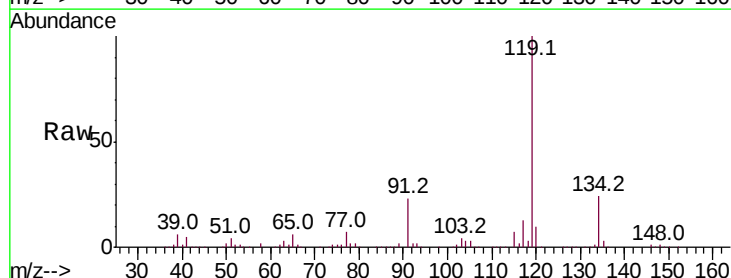
Tgt Ion:119 Resp: 1224514

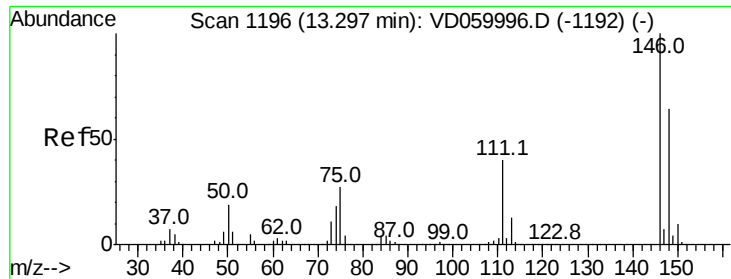
Ion Ratio Lower Upper

119 100

134 24.4 12.8 38.3

91 22.7 11.1 33.3

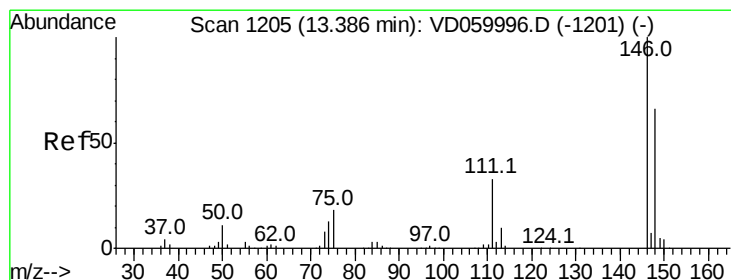
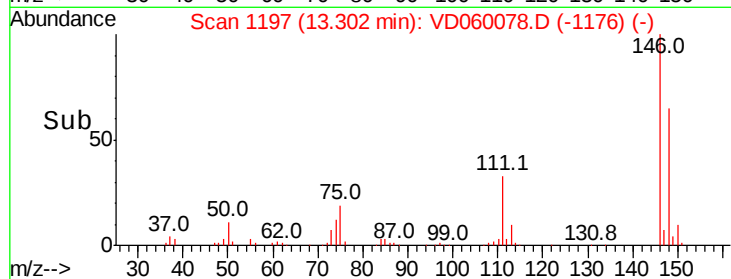
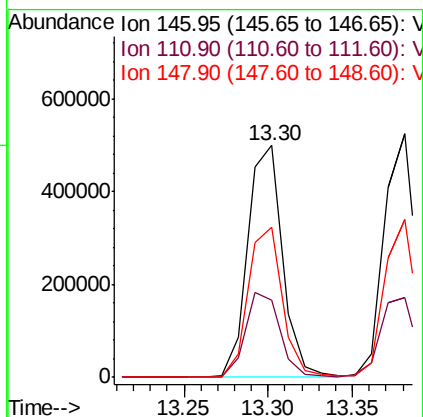
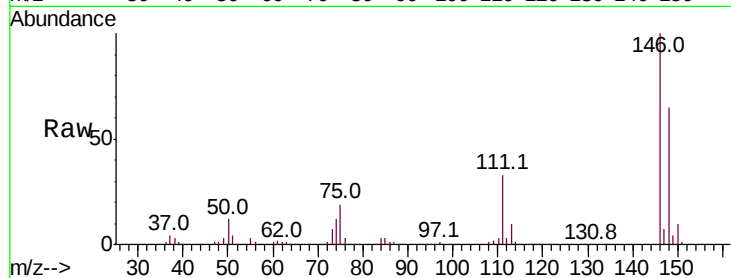




#87
 1,3-Dichlorobenzene
 Concen: 22.317 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

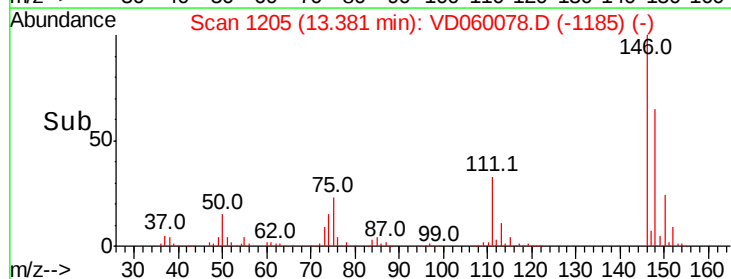
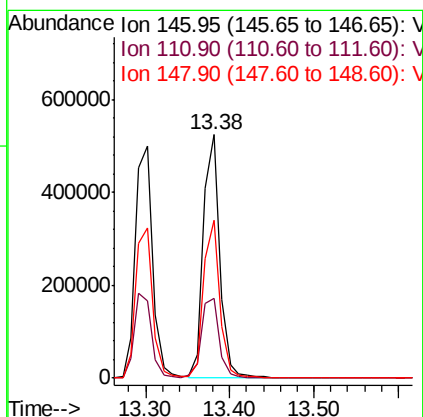
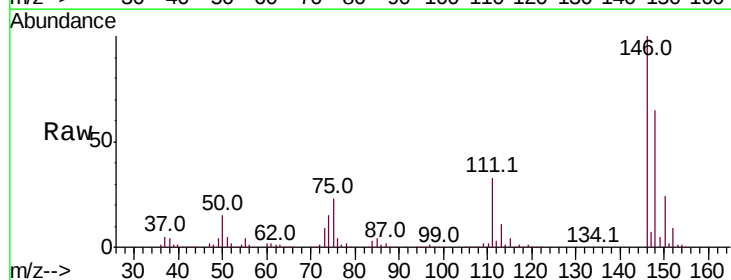
Instrument :
 MSVOA_D
 ClientSampleId :

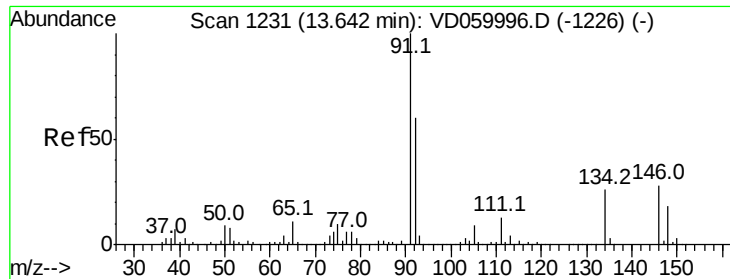
Tot Ion:146 Resp: 716484
 Ion Ratio Lower Upper
 146 100
 111 33.3 20.2 60.5
 148 65.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.909 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion:146 Resp: 713432
 Ion Ratio Lower Upper
 146 100
 111 32.9 16.7 50.0
 148 64.7 32.9 98.6

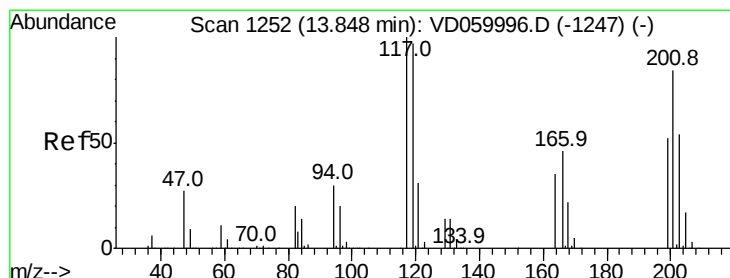
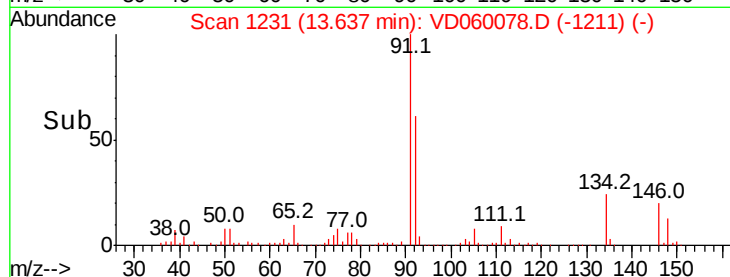
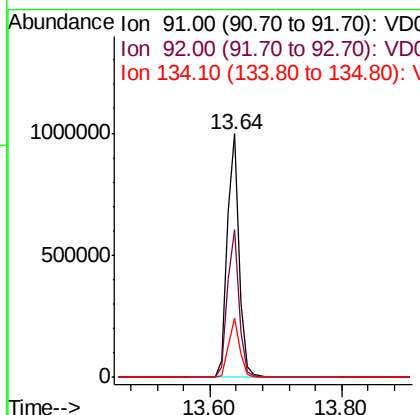
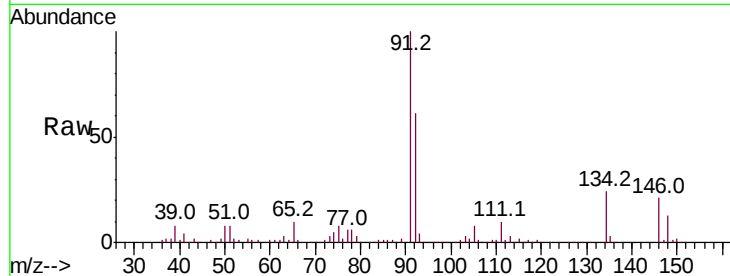




#89
n-Butylbenzene
Concen: 21.372 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

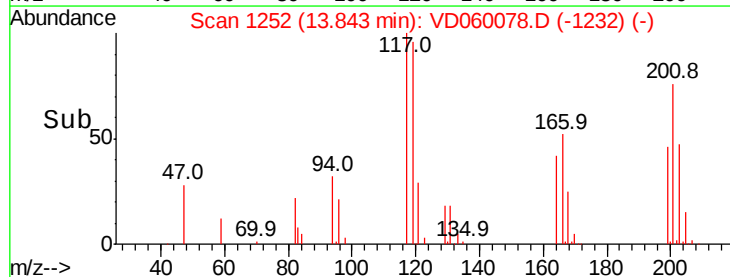
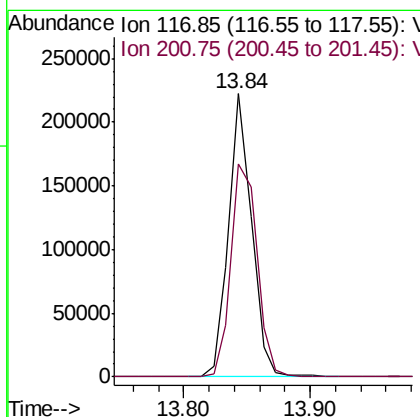
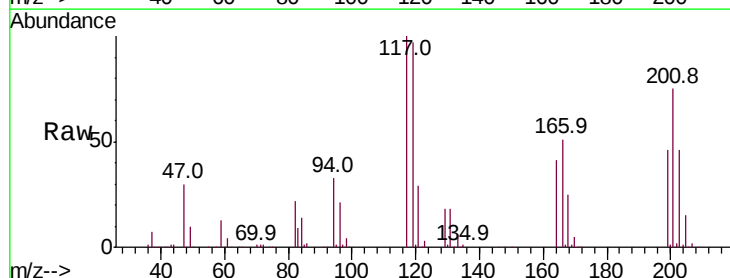
Instrument :
MSVOA_D
ClientSampleID :

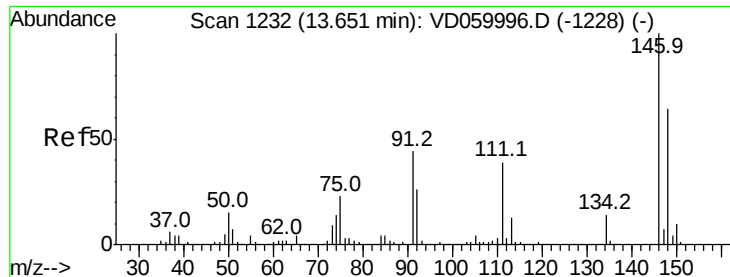
Tot Ion: 91 Resp: 1254519
Ion Ratio Lower Upper
91 100
92 60.5 29.8 89.3
134 24.3 13.2 39.6



#90
Hexachloroethane
Concen: 20.690 ug/l
RT: 13.84 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion: 117 Resp: 280002
Ion Ratio Lower Upper
117 100
201 75.1 42.1 126.4

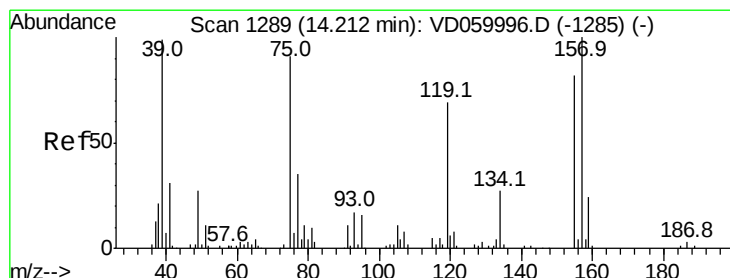
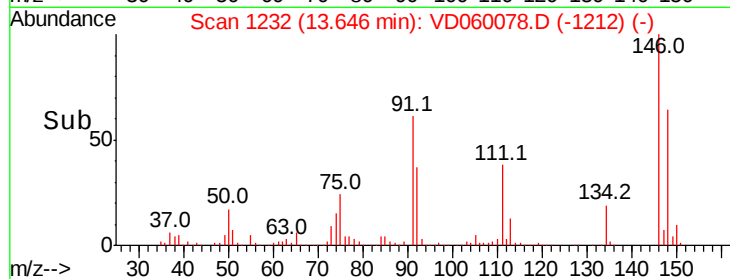
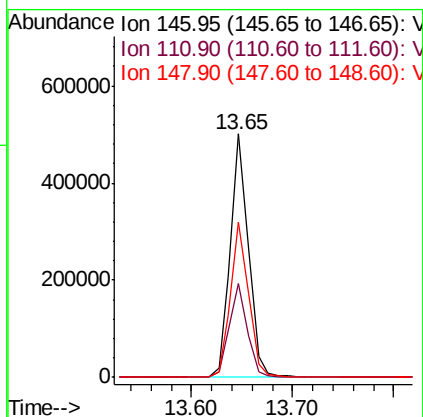
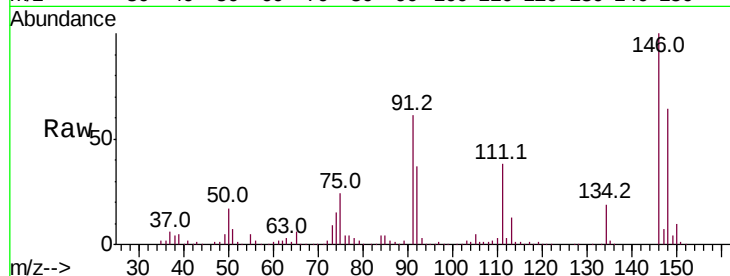




#91
 1,2-Dichlorobenzene
 Concen: 20.927 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

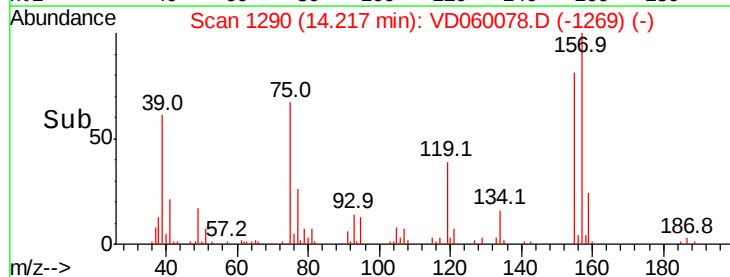
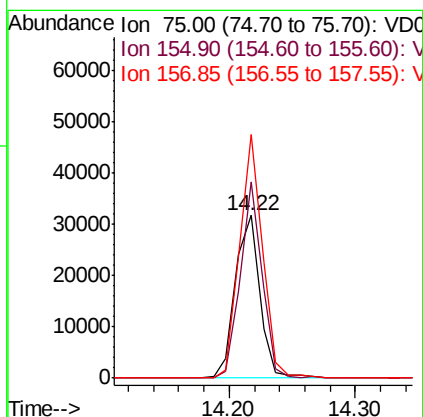
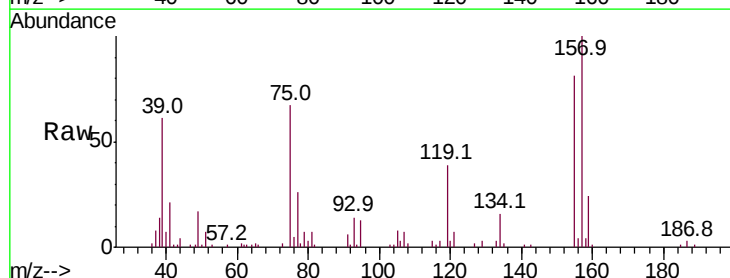
Instrument :
 MSVOA_D
 ClientSampleId :

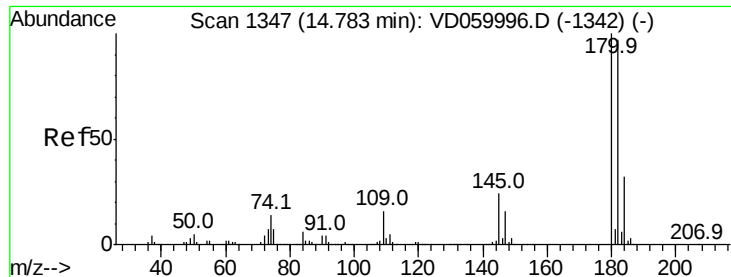
Tot Ion:146 Resp: 619623
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.6 58.7
 148 63.7 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.118 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion: 75 Resp: 42375
 Ion Ratio Lower Upper
 75 100
 155 121.0 44.7 134.1
 157 150.0 54.7 164.1

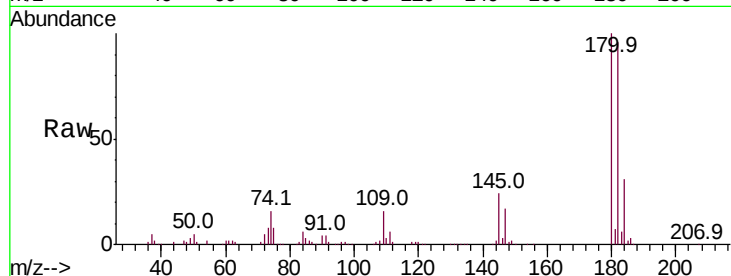




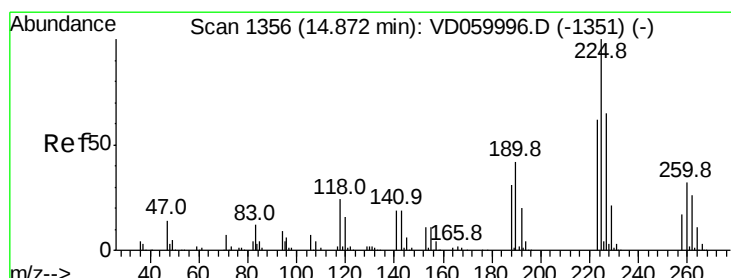
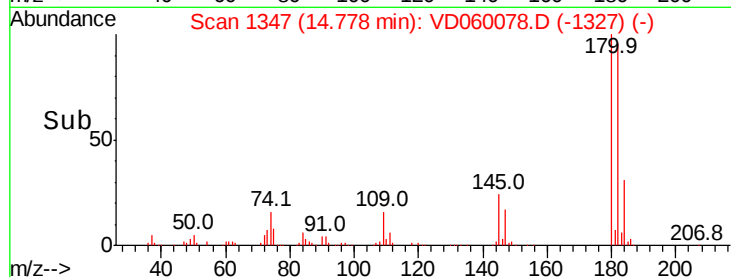
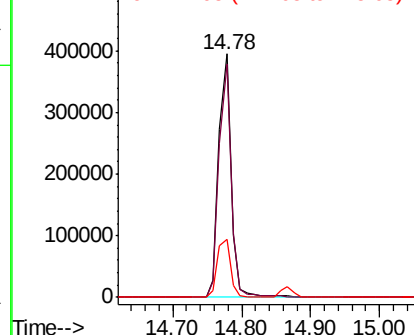
#93
 1,2,4-Trichlorobenzene
 Concen: 21.794 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 498628
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.5 145.6
 145 24.0 11.9 35.7

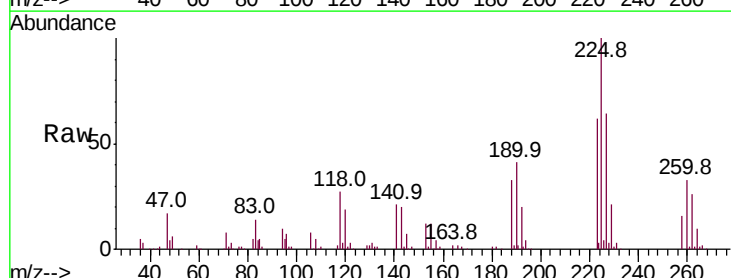


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

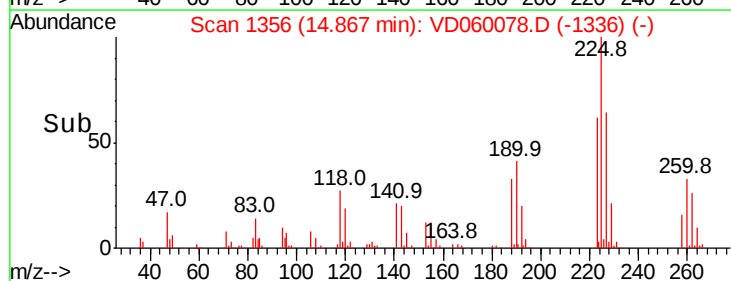
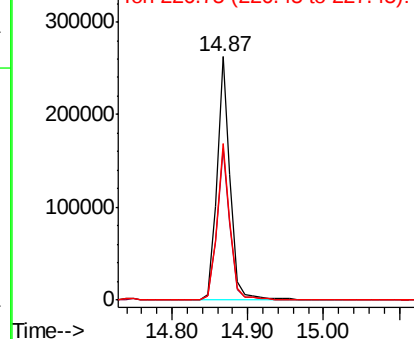


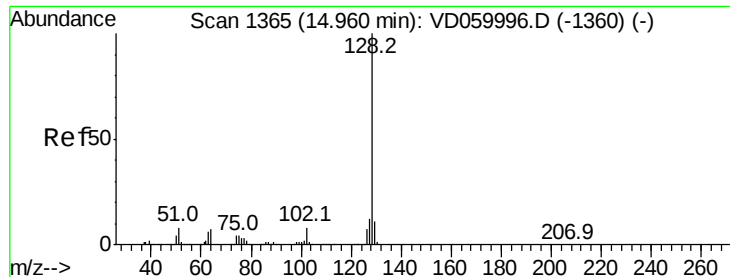
#94
 Hexachlorobutadiene
 Concen: 21.510 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion:225 Resp: 325542
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.2 93.6
 227 64.1 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: 20.909 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampled :

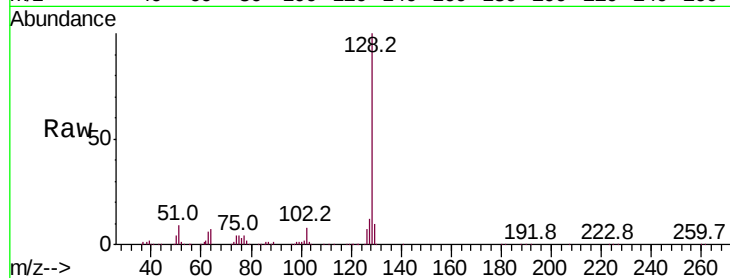
Tot Ion:128 Resp: 738798

Ion Ratio Lower Upper

128 100

127 12.2 9.7 14.5

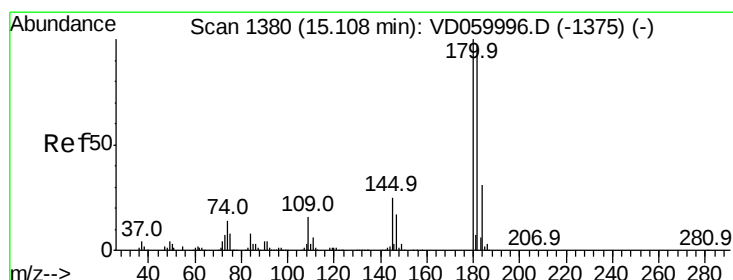
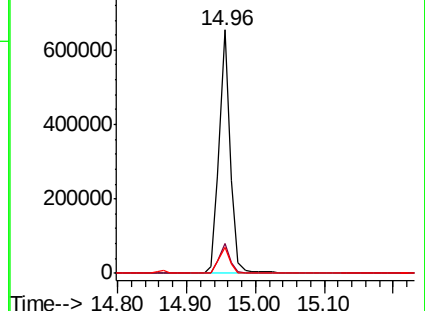
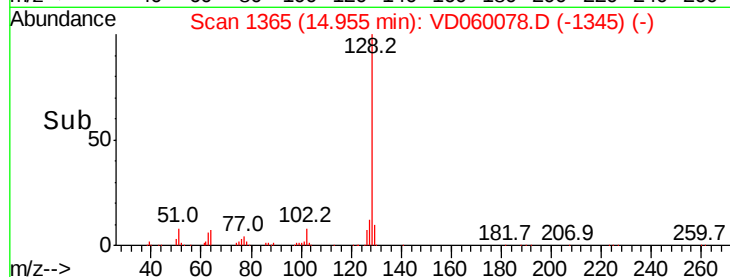
129 10.5 8.9 13.3



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: 20.695 ug/l

RT: 15.10 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

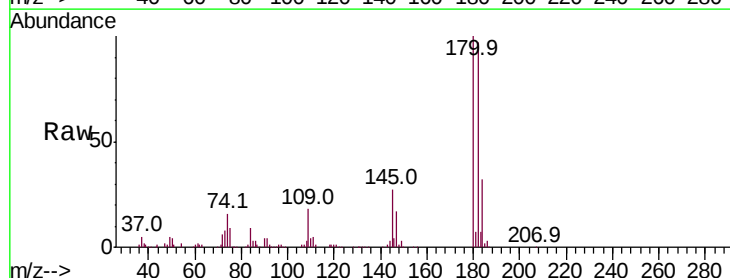
Tgt Ion:180 Resp: 417249

Ion Ratio Lower Upper

180 100

182 96.9 48.6 145.9

145 27.1 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

