

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060004.D
 Acq On : 14 Sep 2018 12:25
 Operator : JC/SY
 Sample : VD0914SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD01

Quant Time: Sep 14 13:28:41 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	6.38	168	1474518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2021045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1670119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	873984	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	615850	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
35) Dibromofluoromethane	6.29	113	820497	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
50) Toluene-d8	9.43	98	2312522	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.42	95	882733	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	270888	17.40	ug/l	100
3) Chloromethane	1.74	50	289530	21.06	ug/l	97
4) Vinyl Chloride	1.83	62	228810	20.70	ug/l	97
5) Bromomethane	2.11	94	21751	16.63	ug/l	99
6) Chloroethane	2.22	64	56556	22.89	ug/l #	87
7) Trichlorofluoromethane	2.48	101	257476	21.16	ug/l	98
8) Diethyl Ether	2.80	74	53831	20.81	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.06	101	160593	20.93	ug/l	98
10) Methyl Iodide	3.21	142	148545	18.28	ug/l	95
11) Tert butyl alcohol	3.95	59	84391	90.95	ug/l	99
12) 1,1-Dichloroethene	3.04	96	130879	21.57	ug/l	98
13) Acrolein	2.96	56	59653	103.82	ug/l	99
14) Allyl chloride	3.50	41	266688	20.84	ug/l	98
15) Acrylonitrile	4.05	53	348979	99.64	ug/l	97
16) Acetone	3.14	43	251390	113.24	ug/l	98
17) Carbon Disulfide	3.28	76	429264	20.54	ug/l	100
18) Methyl Acetate	3.53	43	89100	19.73	ug/l	97
19) Methyl tert-butyl Ether	4.09	73	562037	20.05	ug/l	97
20) Methylene Chloride	3.69	84	412465	22.09	ug/l	99
21) trans-1,2-Dichloroethene	4.06	96	323078	20.29	ug/l	94
22) Diisopropyl ether	4.83	45	1203354	20.62	ug/l	96
23) Vinyl Acetate	4.77	43	3528514	106.72	ug/l	99
24) 1,1-Dichloroethane	4.72	63	535820	20.46	ug/l	99
25) 2-Butanone	5.60	43	703349	117.40	ug/l	100
26) 2,2-Dichloropropane	5.56	77	423110	20.78	ug/l	97
27) cis-1,2-Dichloroethene	5.57	96	342182	20.55	ug/l	97
28) Bromochloromethane	5.90	49	260070	20.66	ug/l	100
29) Tetrahydrofuran	5.93	42	323801	100.78	ug/l	98
30) Chloroform	6.08	83	540025	20.33	ug/l	99
31) Cyclohexane	6.34	56	509593	19.96	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	448409	20.36	ug/l	100
36) 1,1-Dichloropropene	6.50	75	409141	20.38	ug/l	97
37) Ethyl Acetate	5.67	43	255441	18.50	ug/l	99
38) Carbon Tetrachloride	6.47	117	379409	20.24	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	468941	20.65	ug/l	100
40) Benzene	6.77	78	1061720	20.75	ug/l	100
41) Methacrylonitrile	5.92	41	317802	43.95	ug/l #	82
42) 1,2-Dichloroethane	6.87	62	311112	20.25	ug/l	99
43) Isopropyl Acetate	8.33	43	367001	19.85	ug/l #	99
44) Trichloroethene	7.72	130	312228	19.75	ug/l	98
45) 1,2-Dichloropropane	8.09	63	282344	20.64	ug/l	100
46) Dibromomethane	8.19	93	180283	20.19	ug/l	96
47) Bromodichloromethane	8.47	83	388250	20.17	ug/l	99
48) Methyl methacrylate	8.22	41	206603	20.07	ug/l	98
49) 1,4-Dioxane	8.21	88	39360	384.93	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	1473199	109.16	ug/l	100
52) Toluene	9.53	92	694953	21.19	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	364958	20.33	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	426893	19.90	ug/l	95
55) 1,1,2-Trichloroethane	10.16	97	225829	19.83	ug/l	99
56) Ethyl methacrylate	10.01	69	247513	19.60	ug/l	95
57) 1,3-Dichloropropane	10.37	76	330906	19.69	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	648126	106.26	ug/l	96
59) 2-Hexanone	10.48	43	1060480	109.08	ug/l	99
60) Dibromochloromethane	10.62	129	279334	20.15	ug/l	97
61) 1,2-Dibromoethane	10.74	107	237712	20.22	ug/l	99
64) Tetrachloroethene	10.23	164	297993	20.22	ug/l	98
65) Chlorobenzene	11.30	112	741008	20.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	257259	21.24	ug/l	98
67) Ethyl Benzene	11.41	91	1271942	22.01	ug/l	96
68) m/p-Xylenes	11.56	106	952745	44.64	ug/l	97
69) o-Xylene	11.92	106	455739	21.55	ug/l	99
70) Styrene	11.94	104	773658	21.76	ug/l	96
71) Bromoform	12.11	173	197168	18.95	ug/l	97
73) Isopropylbenzene	12.27	105	1217606	21.24	ug/l	99
74) N-amyl acetate	12.12	43	466785	20.56	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.55	83	265983	20.45	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	271428	20.33	ug/l	100
77) Bromobenzene	12.53	156	353171	21.39	ug/l	95
78) n-propylbenzene	12.63	91	1613570	22.39	ug/l	100
79) 2-Chlorotoluene	12.70	91	847703	20.84	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	987804	22.48	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	77200	19.16	ug/l	99
82) 4-Chlorotoluene	12.80	91	1008264	22.54	ug/l	99
83) tert-Butylbenzene	13.04	119	1089790	21.41	ug/l	93
84) 1,2,4-Trimethylbenzene	13.08	105	1027184	21.91	ug/l	99
85) sec-Butylbenzene	13.21	105	1307262	21.64	ug/l	99
86) p-Isopropyltoluene	13.33	119	1074335	21.99	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	620595	21.61	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	624360	21.44	ug/l	97
89) n-Butylbenzene	13.64	91	1126312	21.47	ug/l	96
90) Hexachloroethane	13.85	117	254478	21.03	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	549025	20.70	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	37362	18.85	ug/l	95

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QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

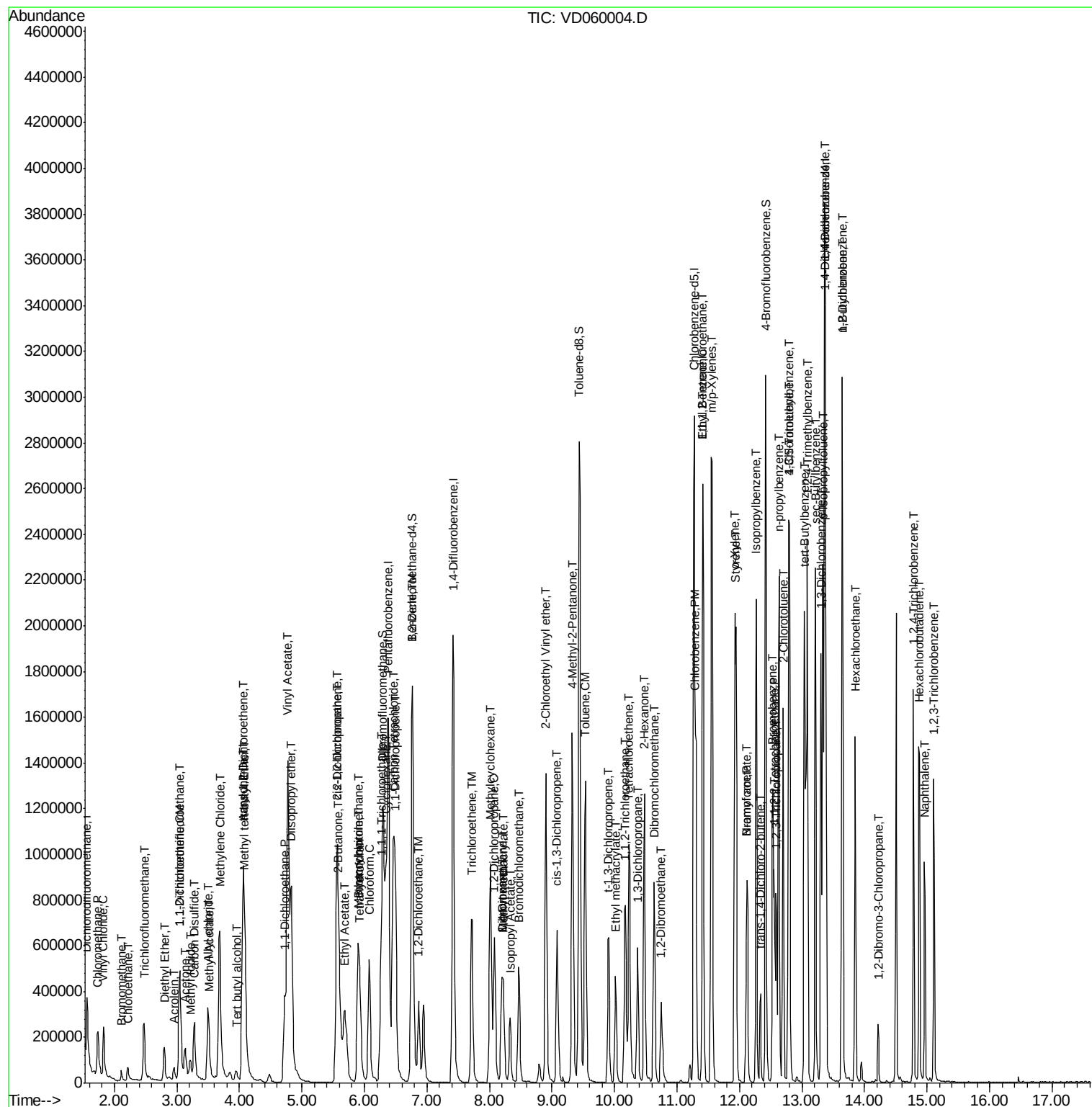
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	437591	21.39	ug/l	98
94) Hexachlorobutadiene	14.88	225	294877	21.79	ug/l	99
95) Naphthalene	14.95	128	626452	19.82	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	366509	20.33	ug/l	96

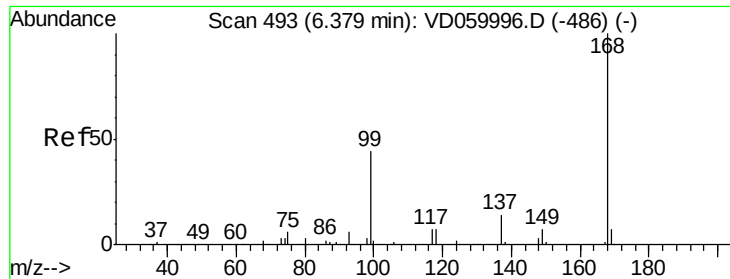
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VD060004.D
 Acq On : 14 Sep 2018 12:25
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 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

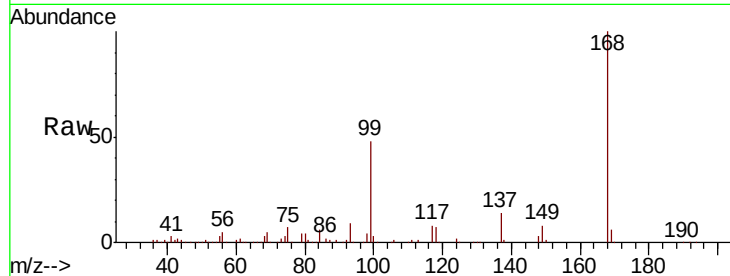
VD0914SBSD01

Tot Ion:168 Resp: 1474518

Ion Ratio Lower Upper

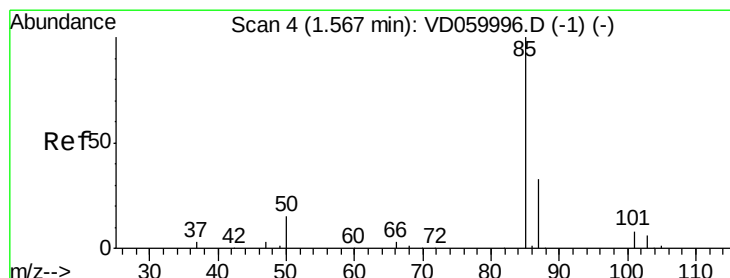
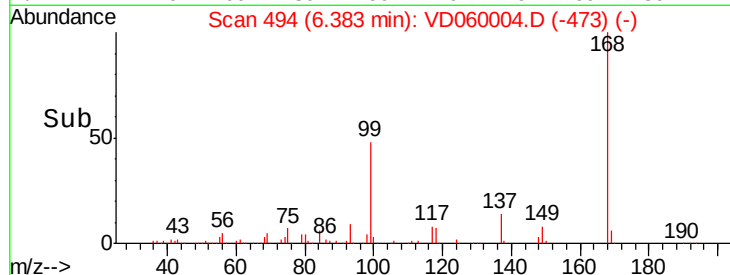
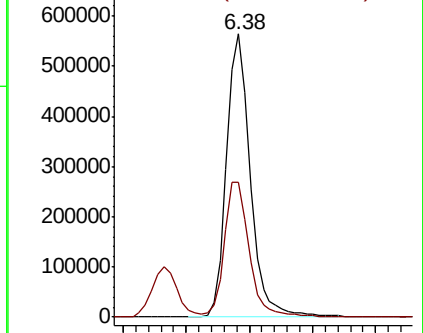
168 100

99 47.8 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: 17.40 ug/l

RT: 1.56 min Scan# 4

Delta R.T. -0.01 min

Lab File: VD060004.D

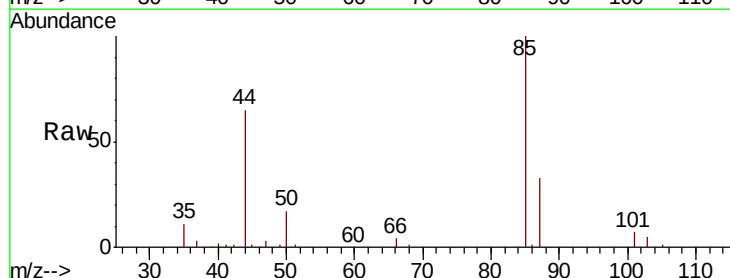
Acq: 14 Sep 2018 12:25

Tgt Ion: 85 Resp: 270888

Ion Ratio Lower Upper

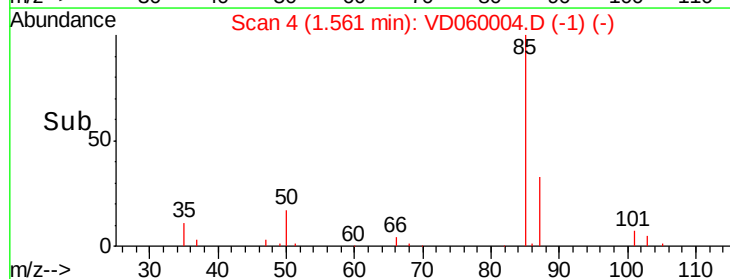
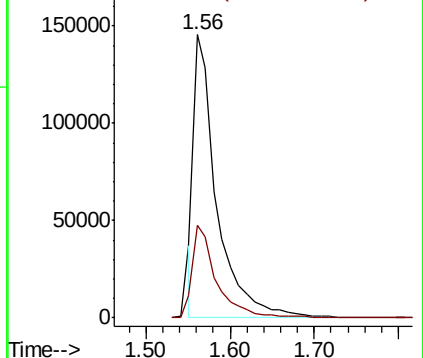
85 100

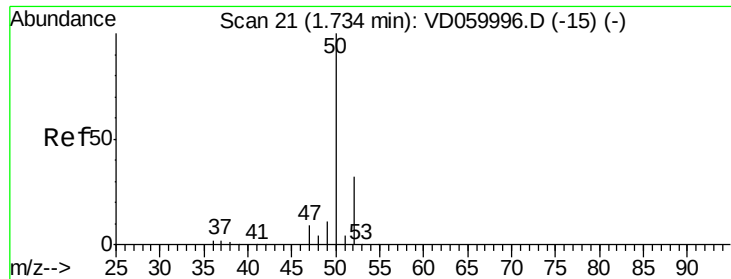
87 32.8 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

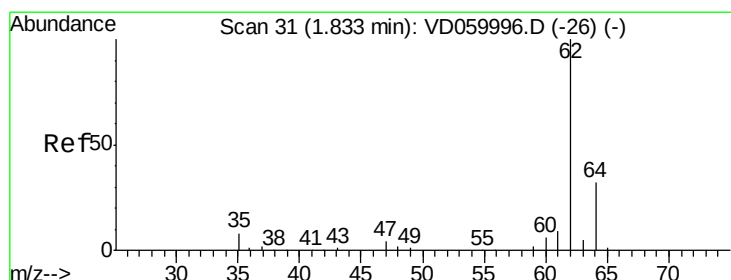
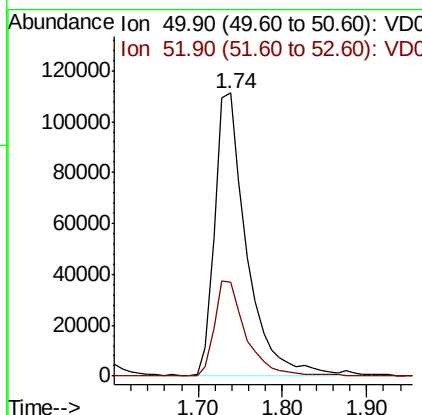
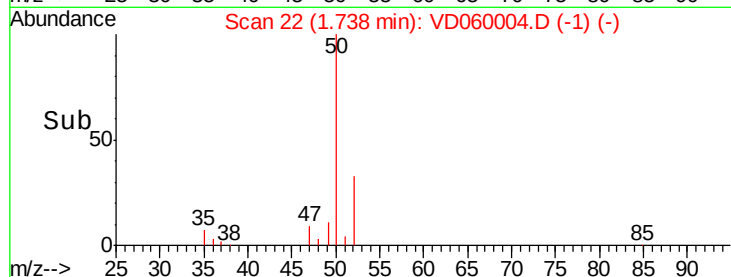
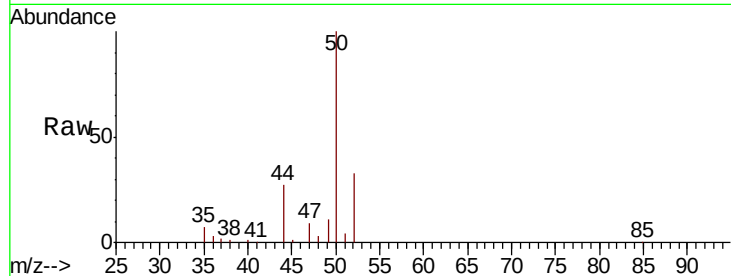




#3
Chloromethane
Concen: 21.06 ug/l
RT: 1.74 min Scan# 22
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

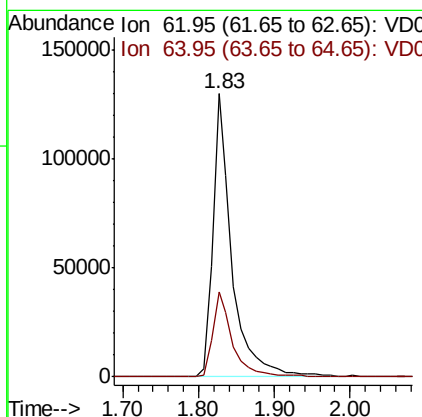
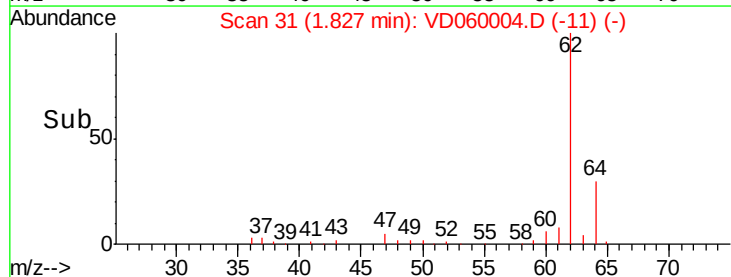
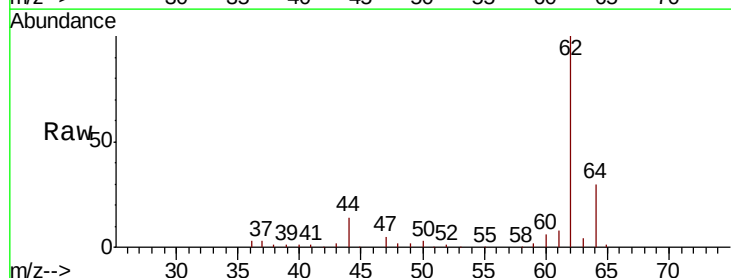
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

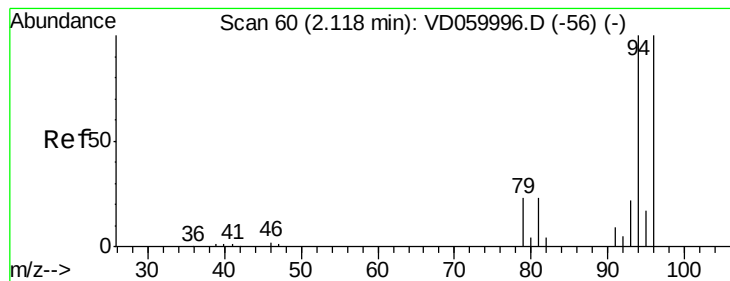
Tot Ion: 50 Resp: 289530
Ion Ratio Lower Upper
50 100
52 33.4 25.4 38.2



#4
Vinyl Chloride
Concen: 20.70 ug/l
RT: 1.83 min Scan# 31
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion: 62 Resp: 228810
Ion Ratio Lower Upper
62 100
64 30.1 25.5 38.3





#5

Bromomethane

Concen: 16.63 ug/l

RT: 2.11 min Scan# 60

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

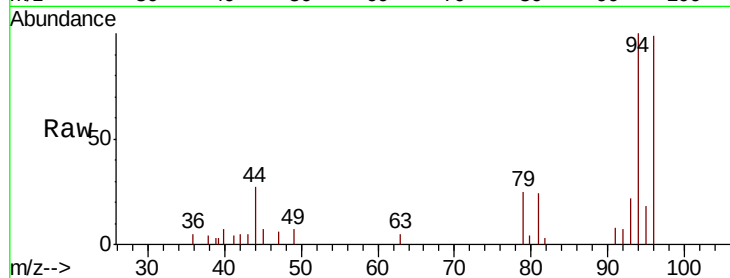
VD0914SBS01

Tot Ion: 94 Resp: 21751

Ion Ratio Lower Upper

94 100

96 98.5 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.11

15000

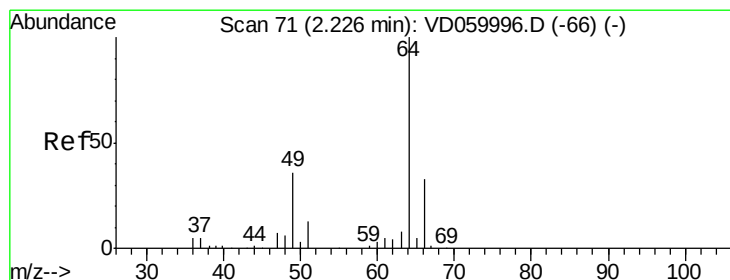
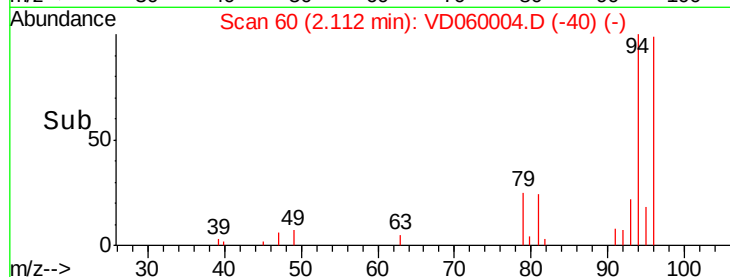
10000

5000

0

Time-->

2.05 2.10 2.15 2.20



#6

Chloroethane

Concen: 22.89 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD060004.D

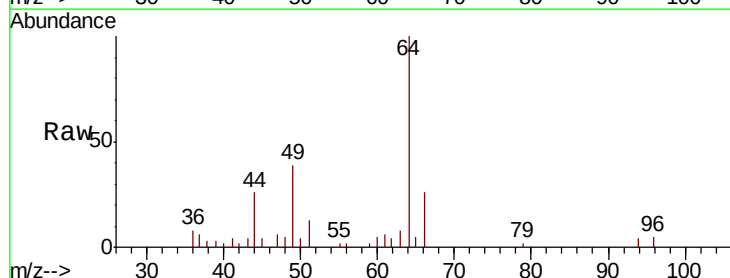
Acq: 14 Sep 2018 12:25

Tgt Ion: 64 Resp: 56556

Ion Ratio Lower Upper

64 100

66 26.0 26.5 39.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.22

25000

20000

15000

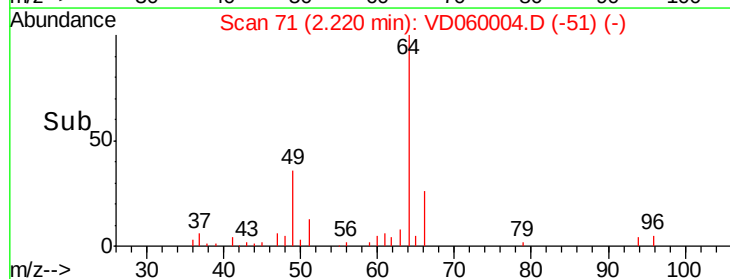
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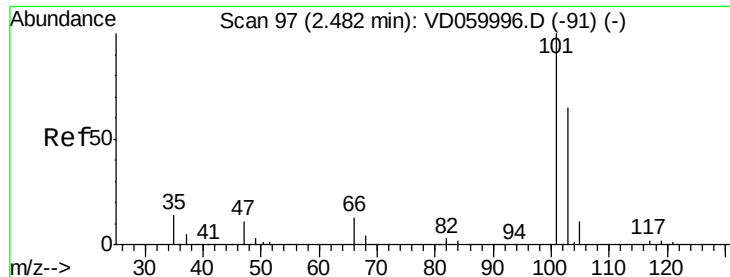
5000

0

Time-->

2.10 2.20 2.30 2.40



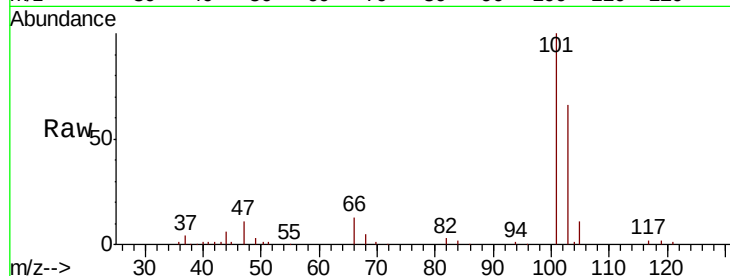


#7

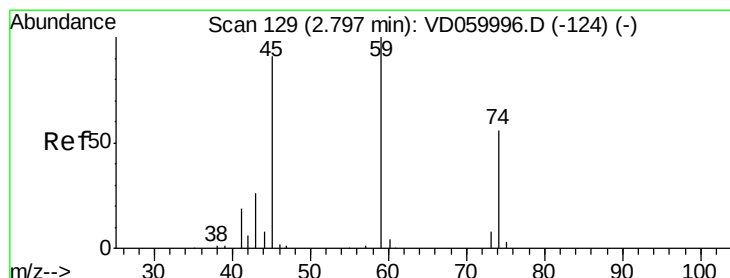
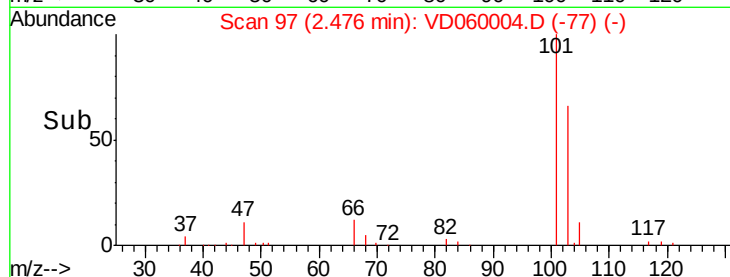
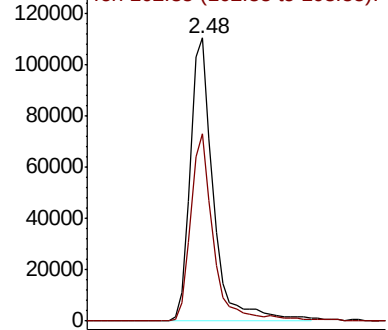
Trichlorofluoromethane
 Concen: 21.16 ug/l
 RT: 2.48 min Scan# 97
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
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 ClientSampleId :
 VD0914SBSD01

Tot Ion:101 Resp: 257476
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.6 77.4



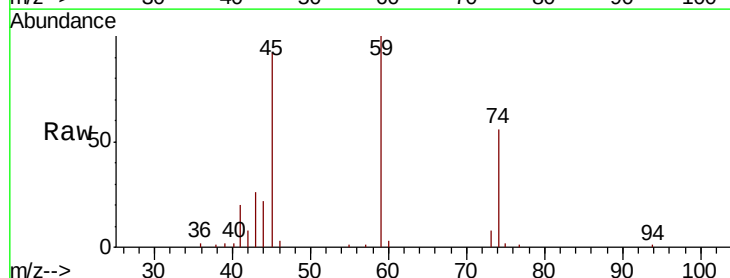
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



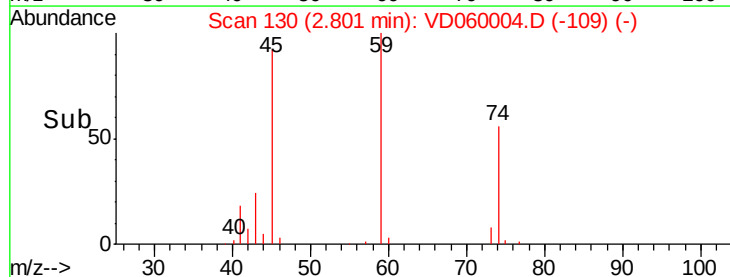
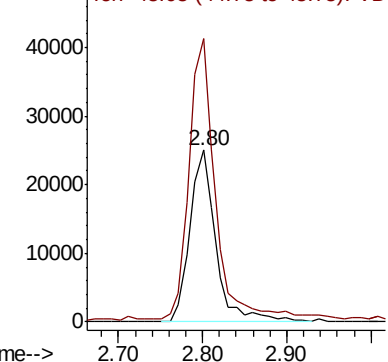
#8

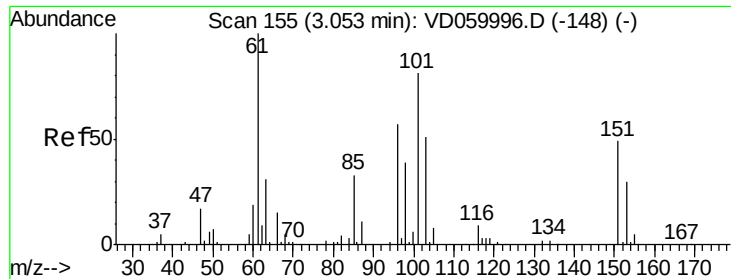
Diethyl Ether
 Concen: 20.81 ug/l
 RT: 2.80 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion: 74 Resp: 53831
 Ion Ratio Lower Upper
 74 100
 45 164.6 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: 20.93 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBSD01

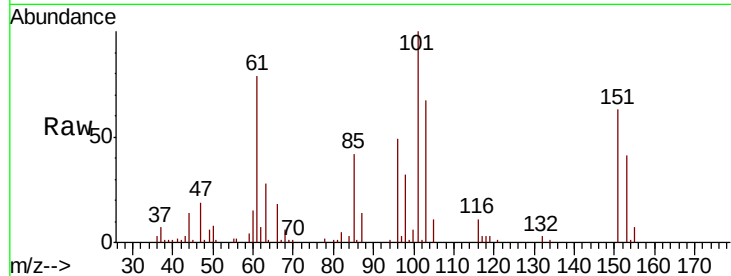
Tot Ion:101 Resp: 160593

Ion Ratio Lower Upper

101 100

85 42.3 33.1 49.7

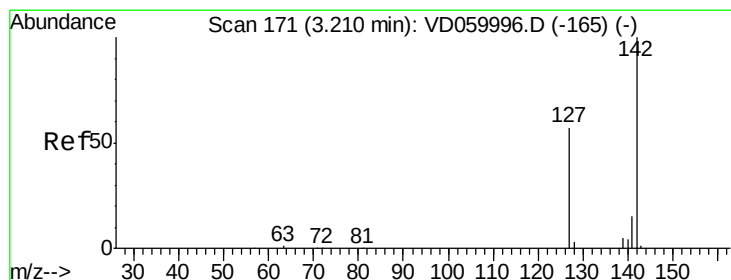
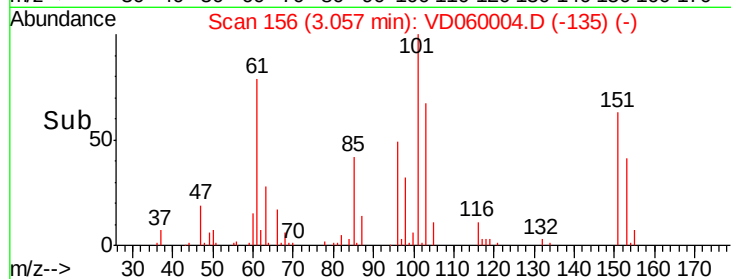
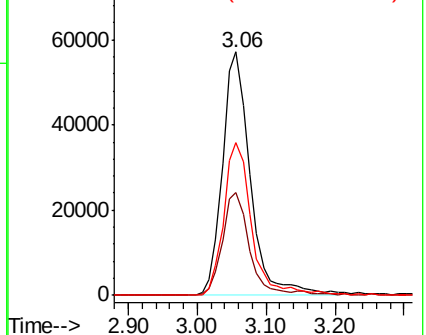
151 62.6 48.2 72.4



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: 18.28 ug/l

RT: 3.21 min Scan# 172

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

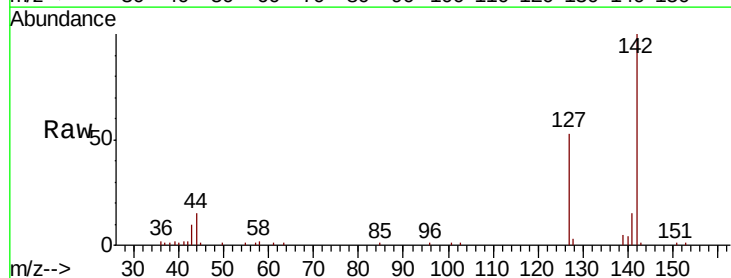
Tgt Ion:142 Resp: 148545

Ion Ratio Lower Upper

142 100

127 52.8 45.8 68.8

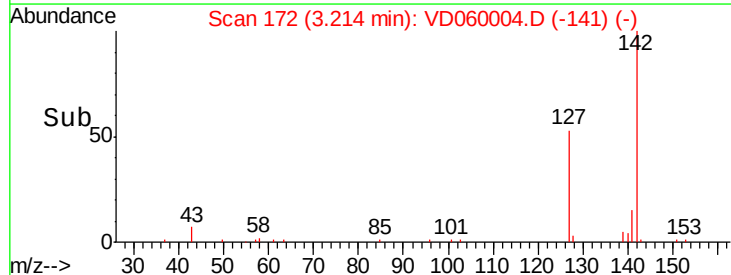
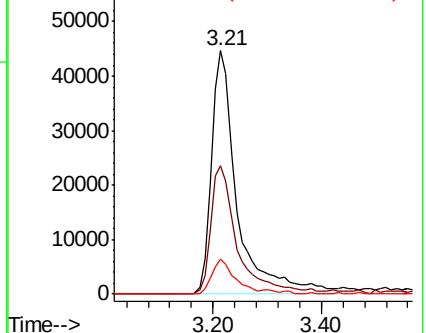
141 14.6 12.2 18.4

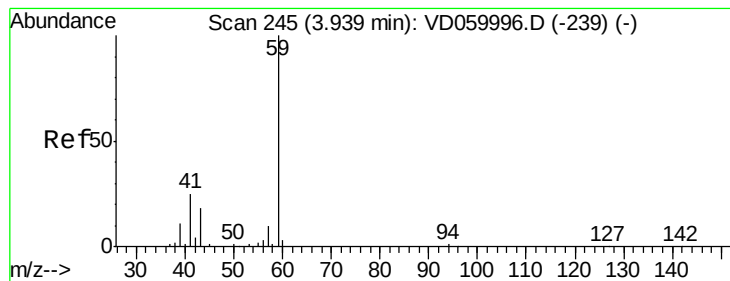


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



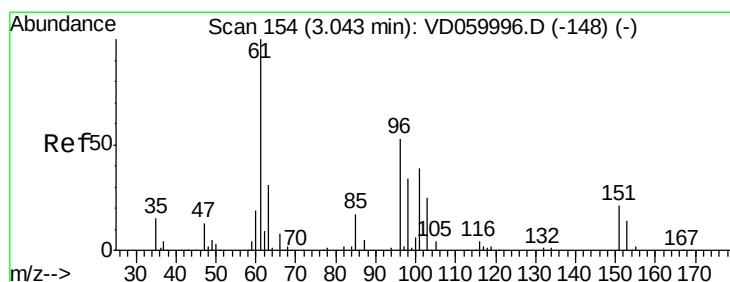
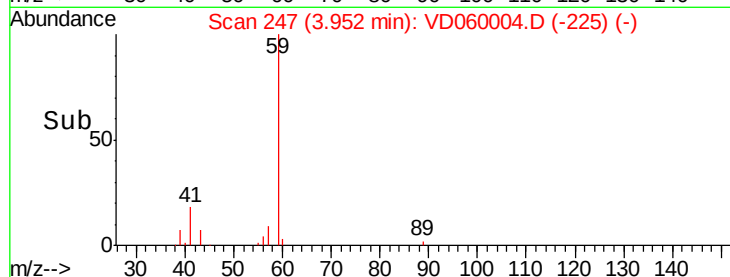
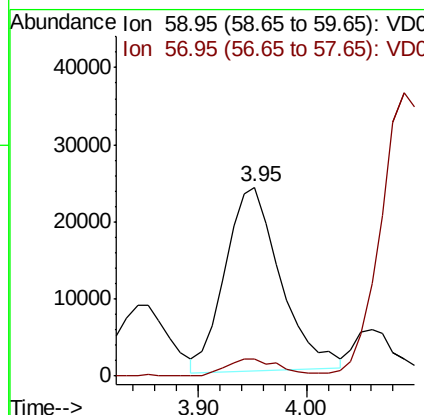
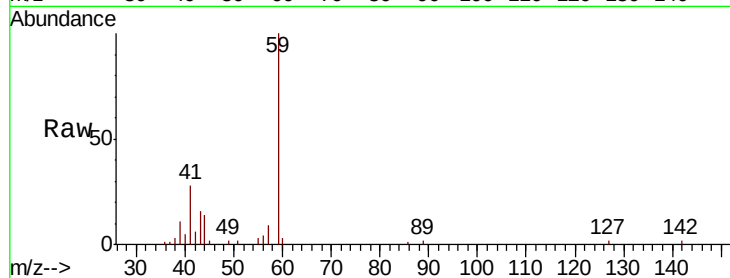


#11

Tert butyl alcohol
 Concen: 90.95 ug/l
 RT: 3.95 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD01

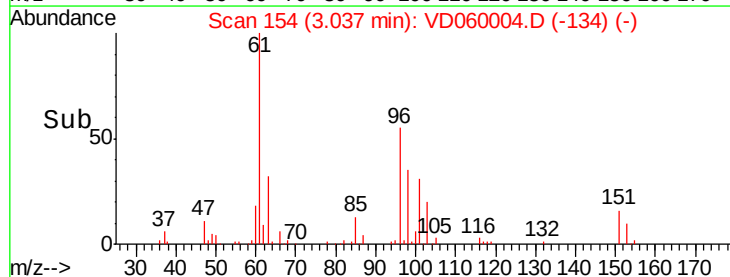
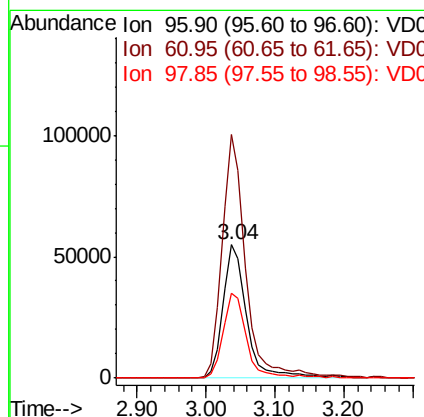
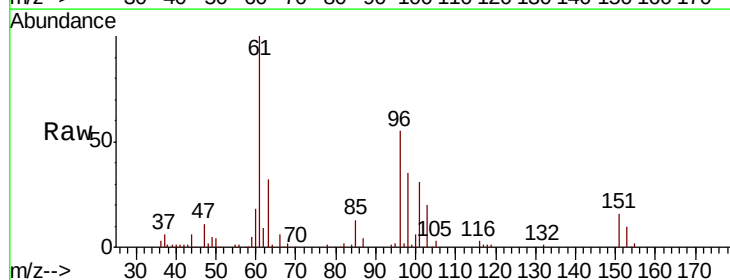
Tot Ion: 59 Resp: 84391
 Ion Ratio Lower Upper
 59 100
 57 8.8 7.4 11.2

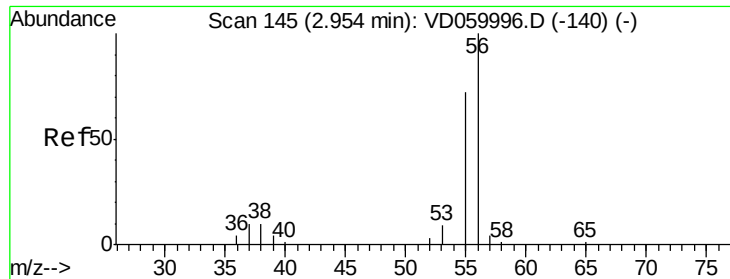


#12

1,1-Dichloroethene
 Concen: 21.57 ug/l
 RT: 3.04 min Scan# 154
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion: 96 Resp: 130879
 Ion Ratio Lower Upper
 96 100
 61 183.0 149.8 224.6
 98 63.8 50.2 75.4





#13

Acrolein

Concen: 103.82 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

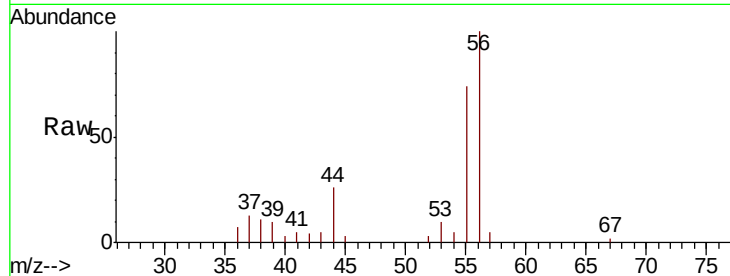
VD0914SBSD01

Tot Ion: 56 Resp: 59653

Ion Ratio Lower Upper

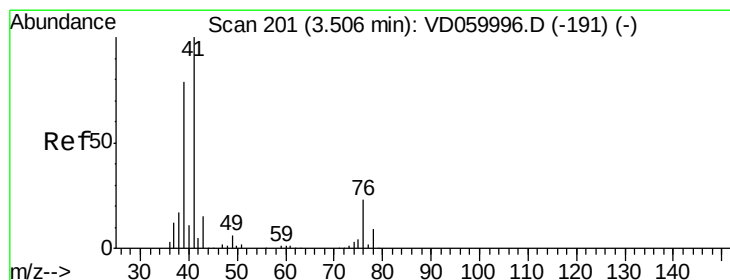
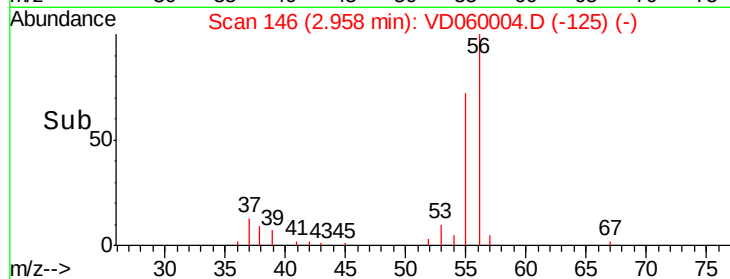
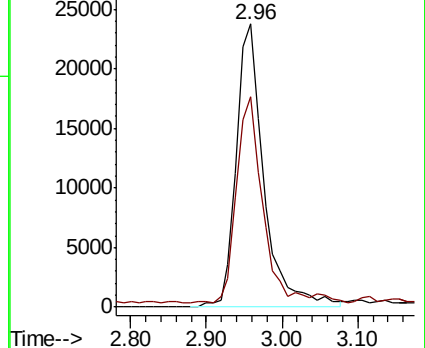
56 100

55 74.2 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: 20.84 ug/l

RT: 3.50 min Scan# 201

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

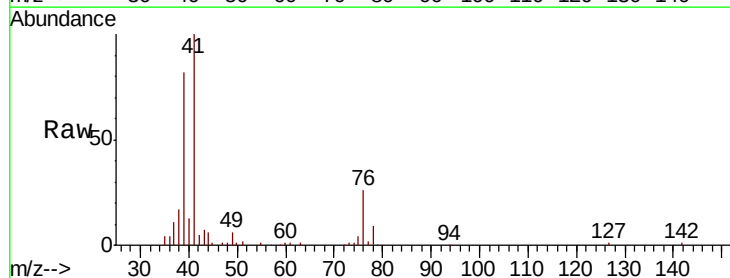
Tgt Ion: 41 Resp: 266688

Ion Ratio Lower Upper

41 100

39 81.8 63.6 95.4

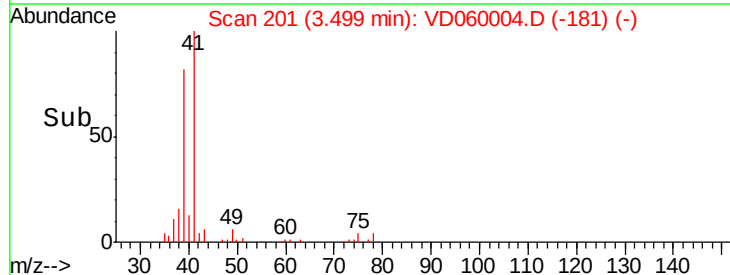
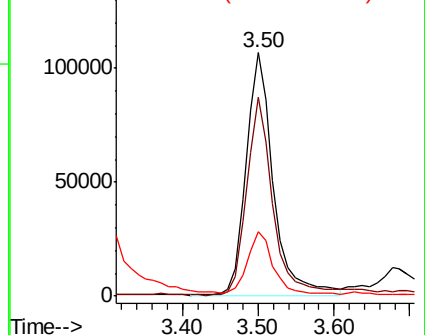
76 26.2 21.1 31.7

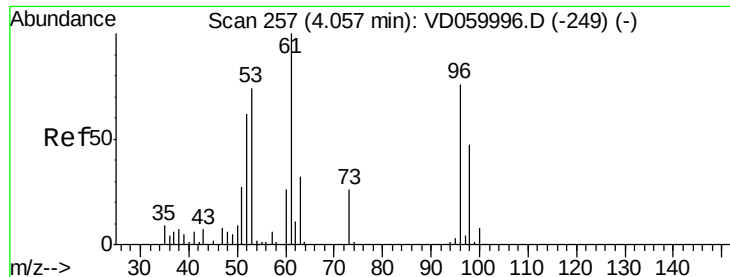


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.64 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBSD01

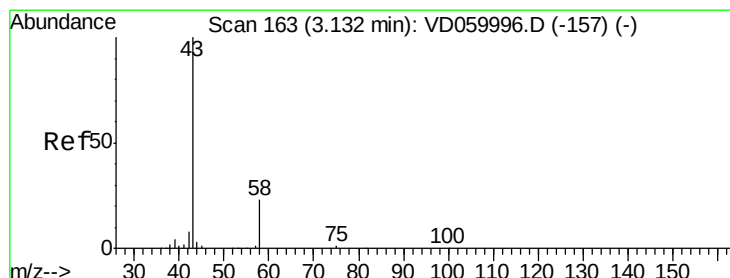
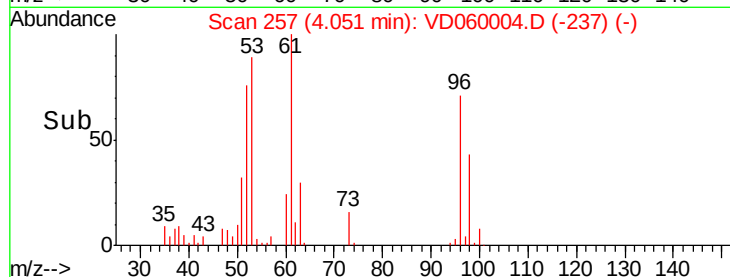
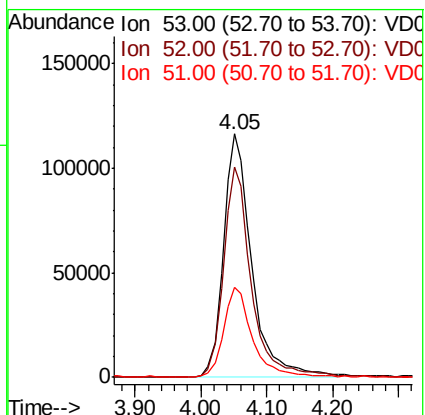
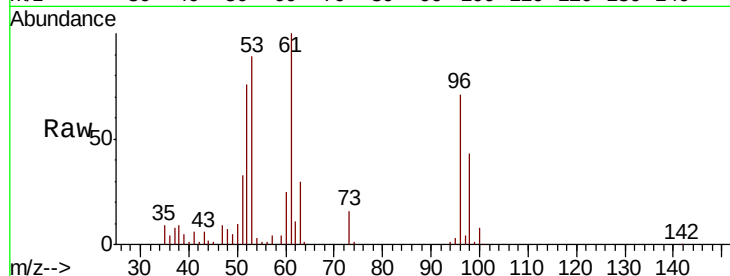
Tot Ion: 53 Resp: 348979

Ion Ratio Lower Upper

53 100

52 86.3 66.7 100.1

51 37.2 29.0 43.6



#16

Acetone

Concen: 113.24 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060004.D

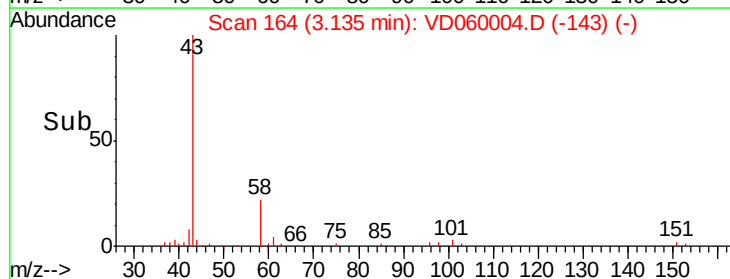
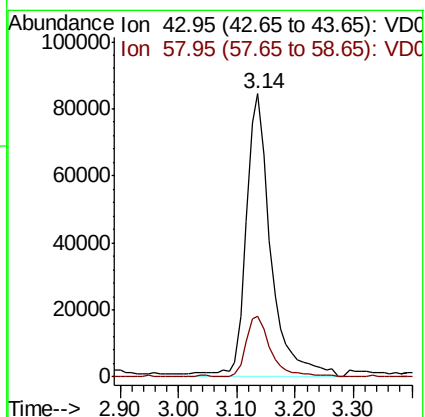
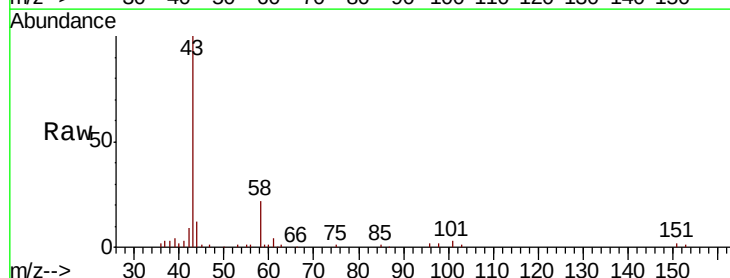
Acq: 14 Sep 2018 12:25

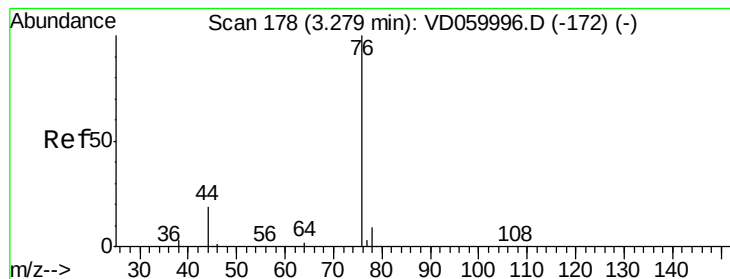
Tgt Ion: 43 Resp: 251390

Ion Ratio Lower Upper

43 100

58 21.6 18.1 27.1





#17

Carbon Disulfide

Concen: 20.54 ug/l

RT: 3.28 min Scan# 179

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

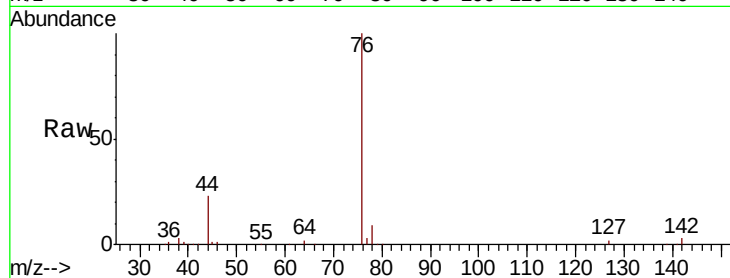
VD0914SBSD01

Tot Ion: 76 Resp: 429264

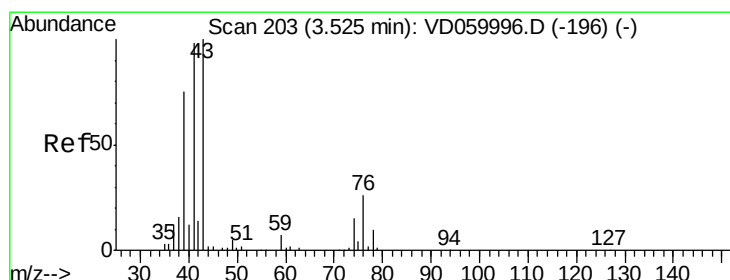
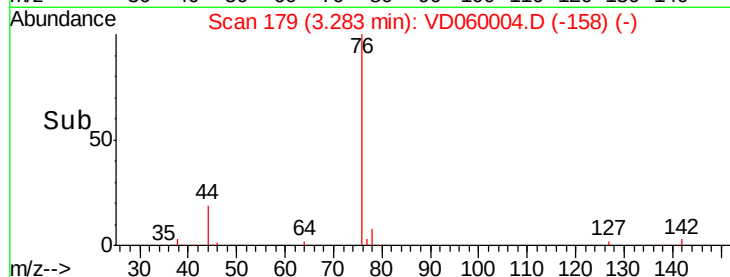
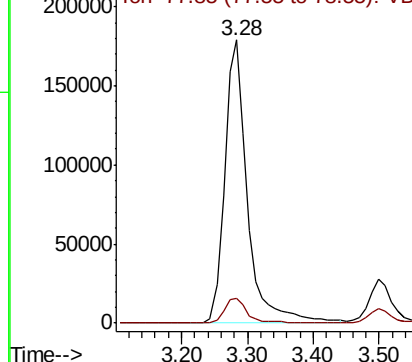
Ion Ratio Lower Upper

76 100

78 8.6 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: 19.73 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.00 min

Lab File: VD060004.D

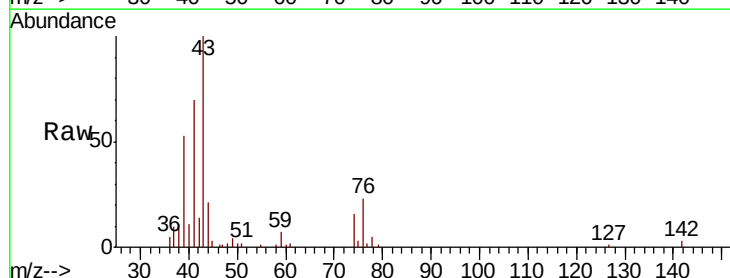
Acq: 14 Sep 2018 12:25

Tgt Ion: 43 Resp: 89100

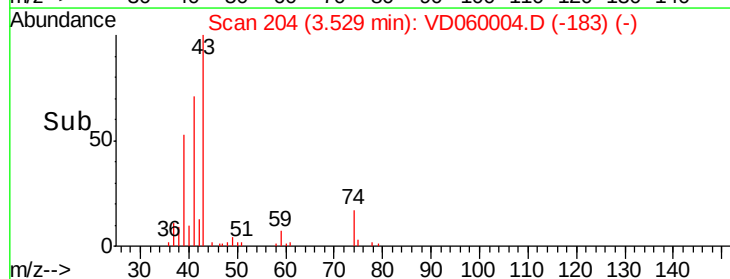
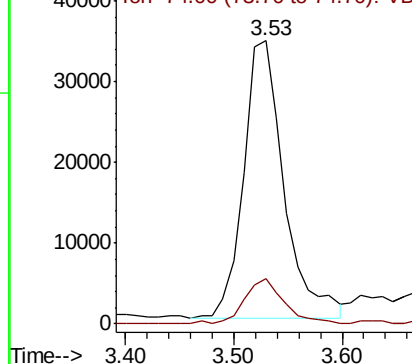
Ion Ratio Lower Upper

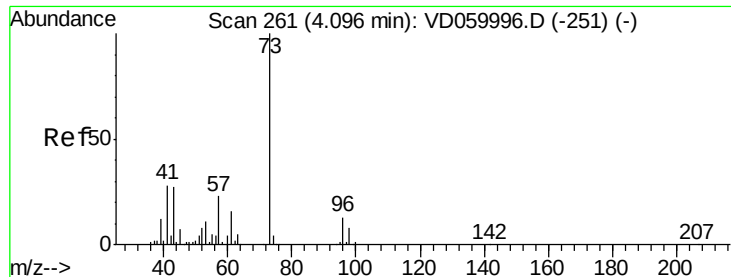
43 100

74 16.1 11.8 17.8



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

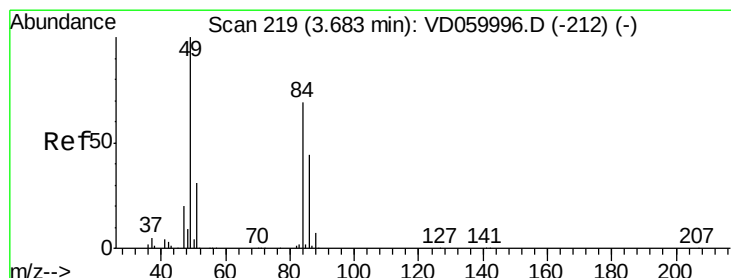
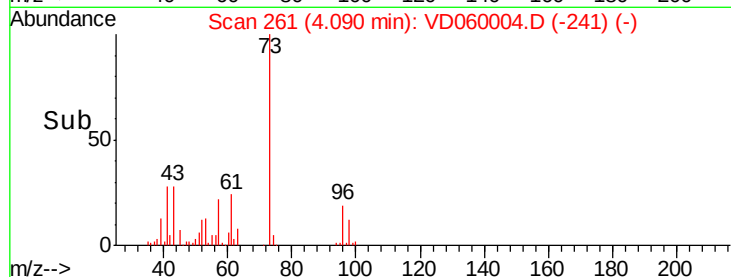
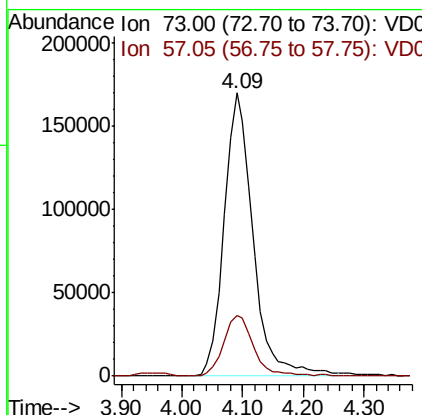
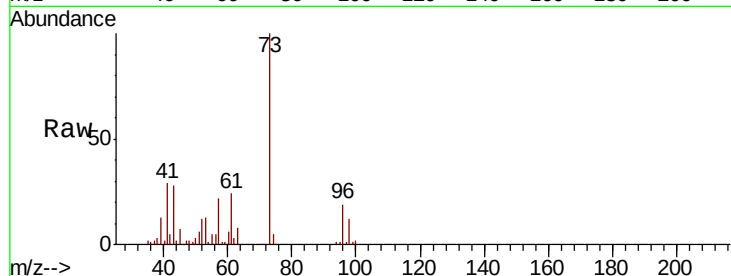




#19
Methyl tert-butyl Ether
Concen: 20.05 ug/l
RT: 4.09 min Scan# 261
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

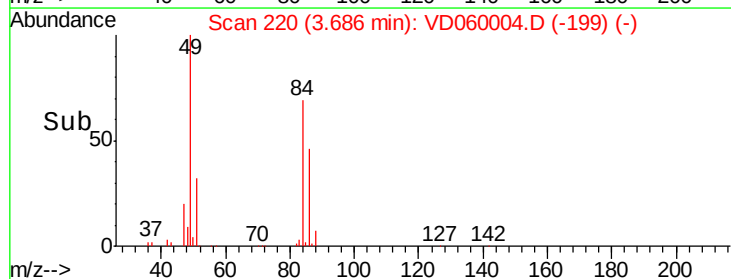
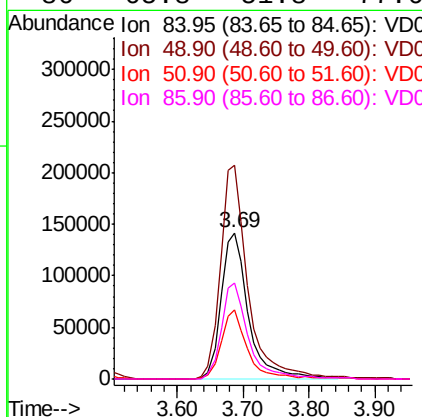
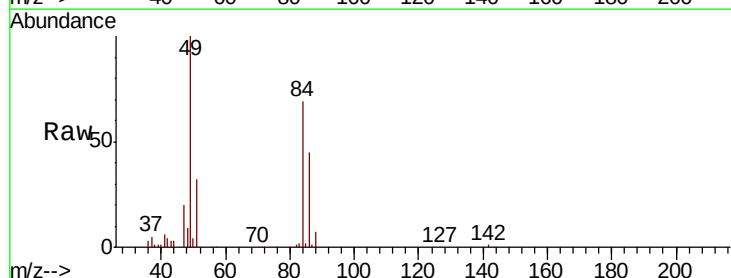
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

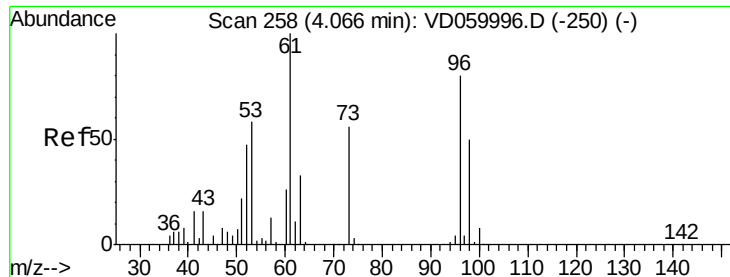
Tot Ion: 73 Resp: 562037
Ion Ratio Lower Upper
73 100
57 21.6 18.4 27.6



#20
Methylene Chloride
Concen: 22.09 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion: 84 Resp: 412465
Ion Ratio Lower Upper
84 100
49 145.9 116.6 175.0
51 47.0 35.9 53.9
86 65.8 51.8 77.6

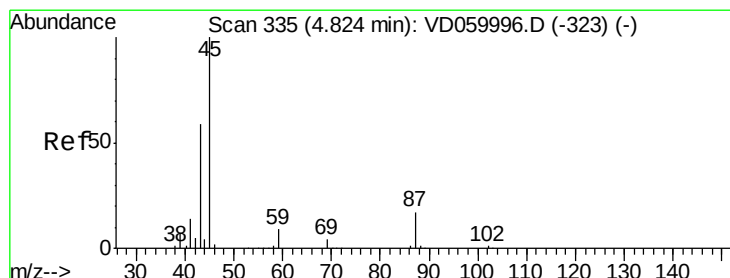
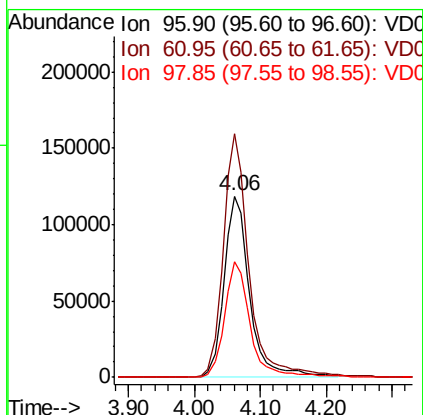
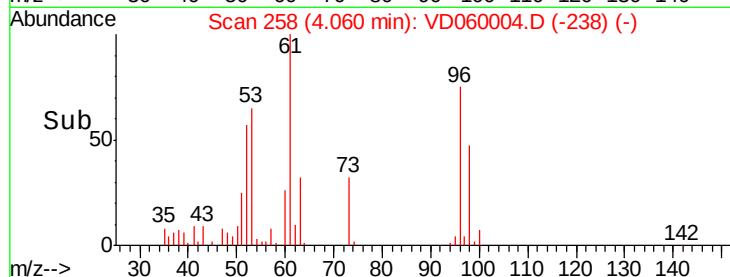
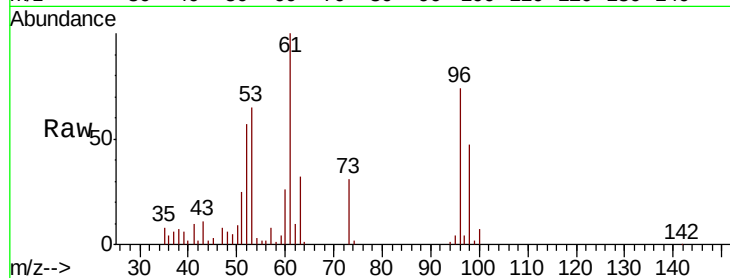




#21
trans-1,2-Dichloroethene
Concen: 20.29 ug/l
RT: 4.06 min Scan# 258
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

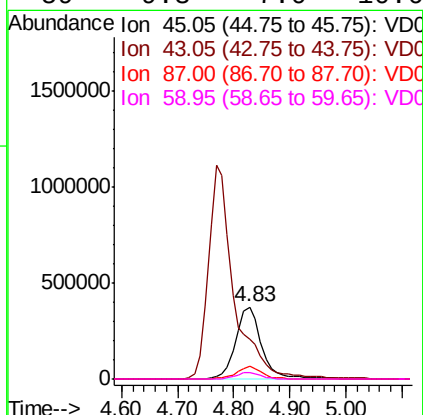
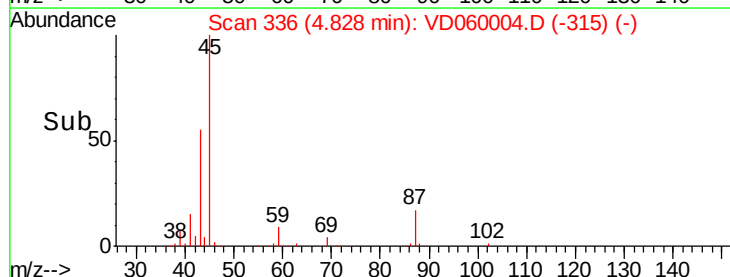
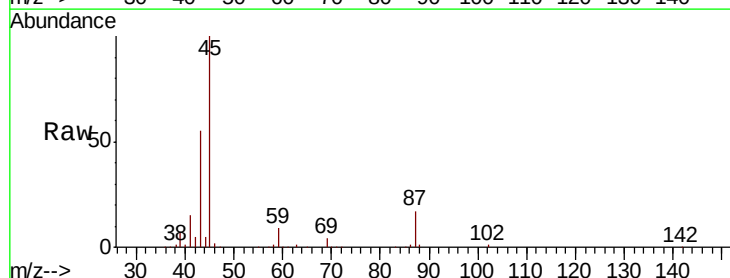
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

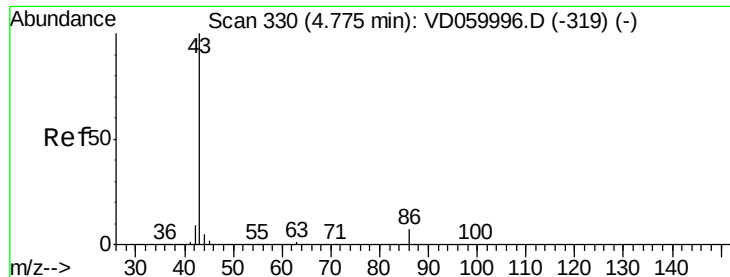
Tot Ion: 96 Resp: 323078
Ion Ratio Lower Upper
96 100
61 134.3 100.1 150.1
98 63.6 49.5 74.3



#22
Diisopropyl ether
Concen: 20.62 ug/l
RT: 4.83 min Scan# 336
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion: 45 Resp: 1203354
Ion Ratio Lower Upper
45 100
43 55.3 47.1 70.7
87 17.3 14.2 21.2
59 9.3 7.0 10.6





#23

Vinyl Acetate

Concen: 106.72 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

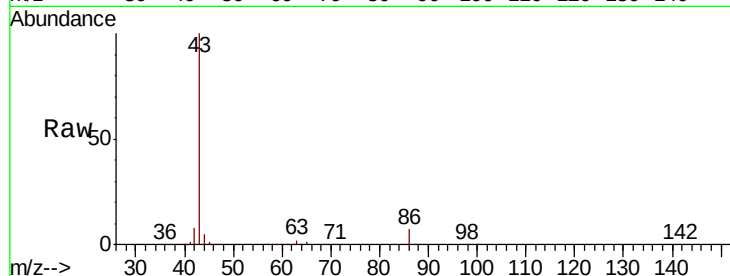
VD0914SBSD01

Tot Ion: 43 Resp: 3528514

Ion Ratio Lower Upper

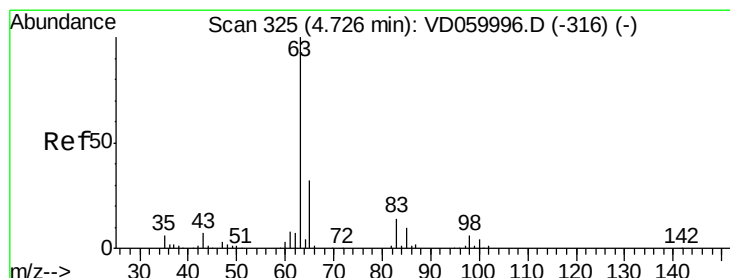
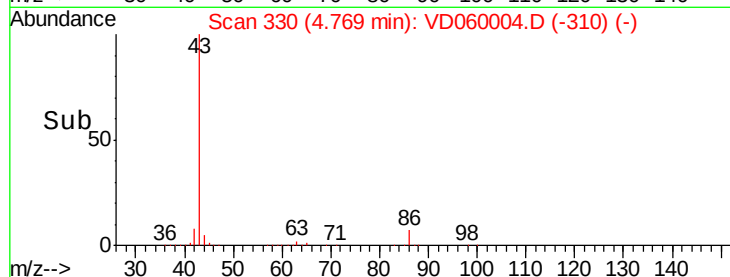
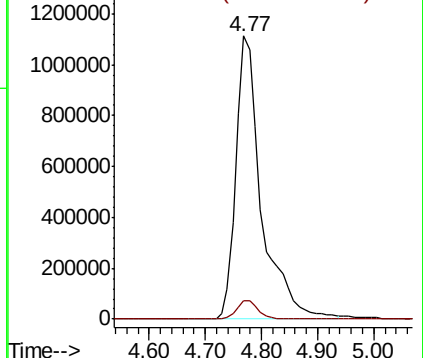
43 100

86 6.7 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.46 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

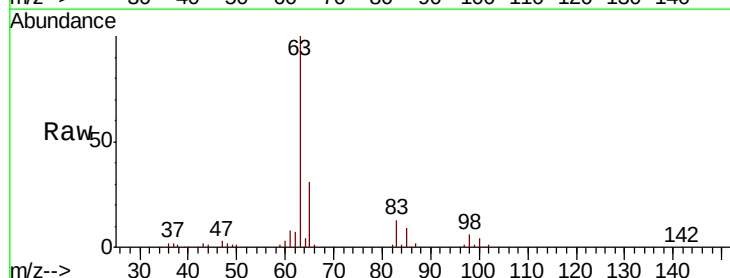
Tgt Ion: 63 Resp: 535820

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

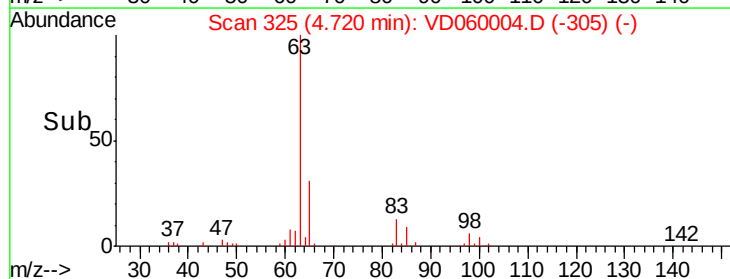
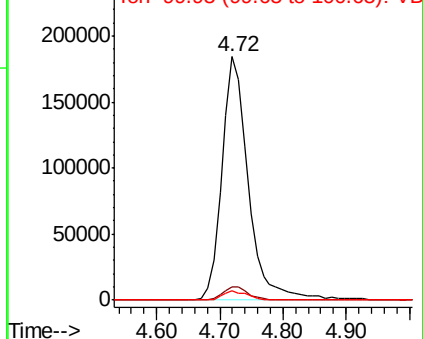
100 3.8 1.8 5.4

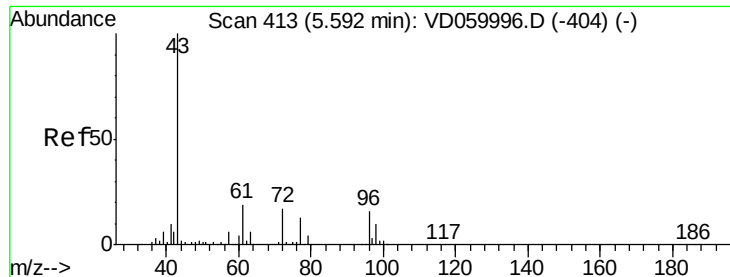


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 117.40 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

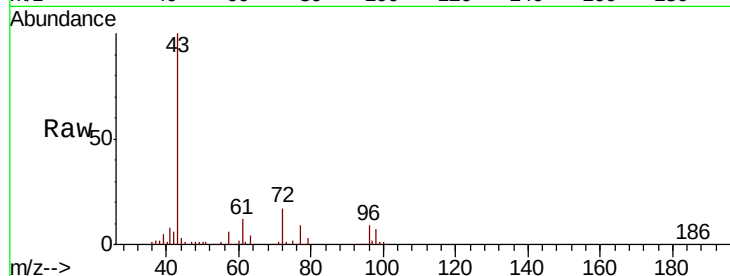
VD0914SBS01

Tot Ion: 43 Resp: 703349

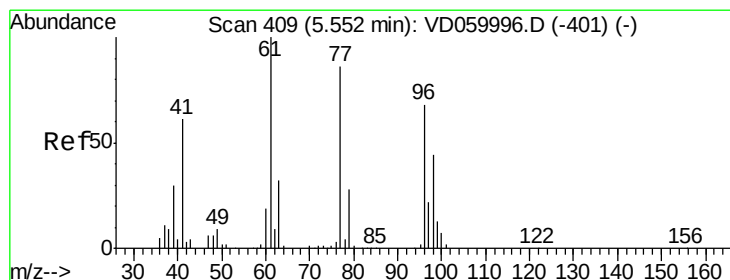
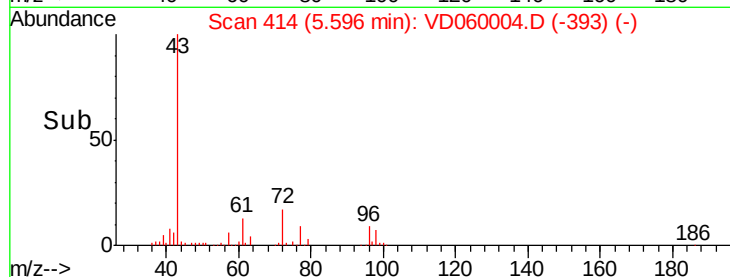
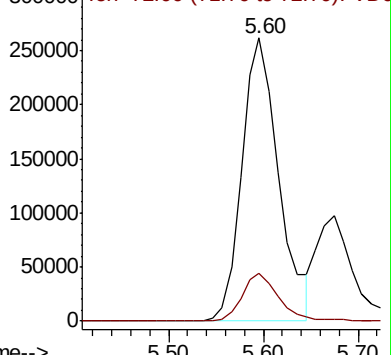
Ion Ratio Lower Upper

43 100

72 17.1 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.78 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD060004.D

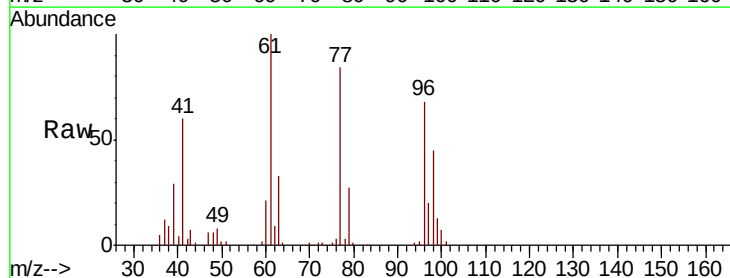
Acq: 14 Sep 2018 12:25

Tgt Ion: 77 Resp: 423110

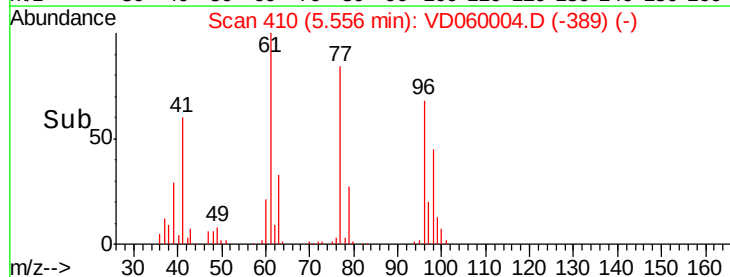
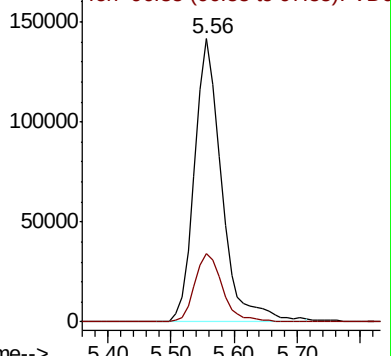
Ion Ratio Lower Upper

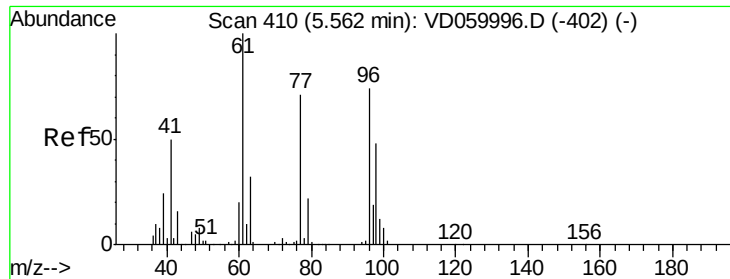
77 100

97 23.9 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 20.55 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBSD01

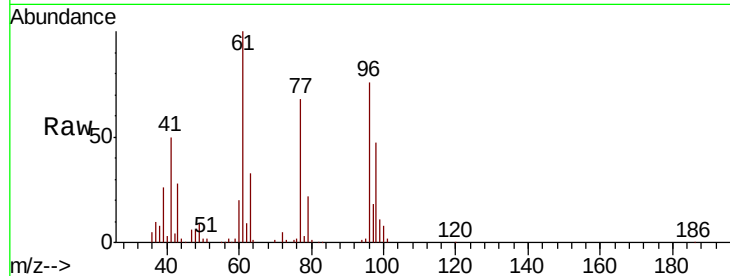
Tot Ion: 96 Resp: 342182

Ion Ratio Lower Upper

96 100

61 131.4 0.0 269.6

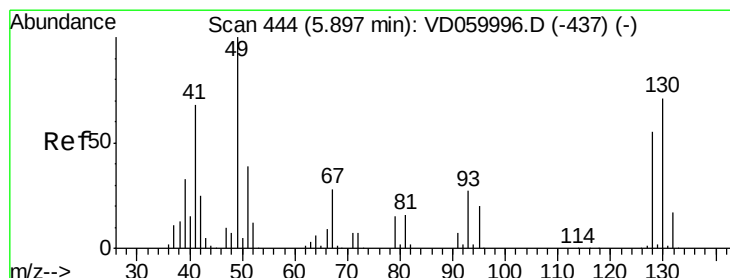
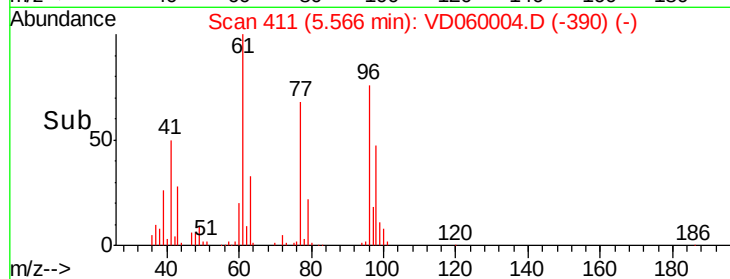
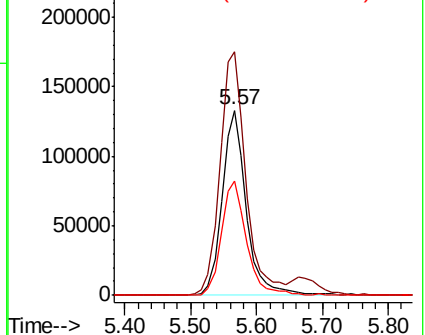
98 61.5 0.0 128.4



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



#28

Bromochloromethane

Concen: 20.66 ug/l

RT: 5.90 min Scan# 445

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

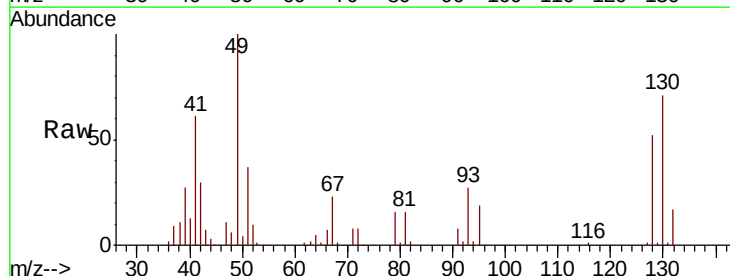
Tgt Ion: 49 Resp: 260070

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.6

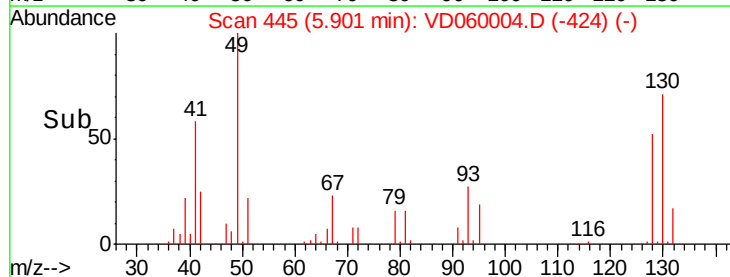
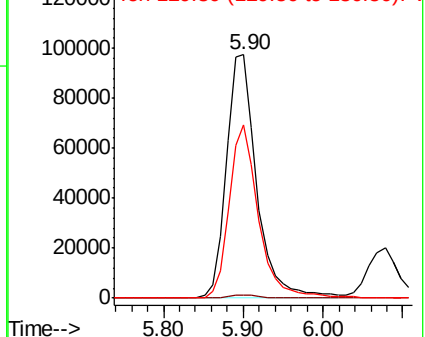
130 71.3 57.1 85.7

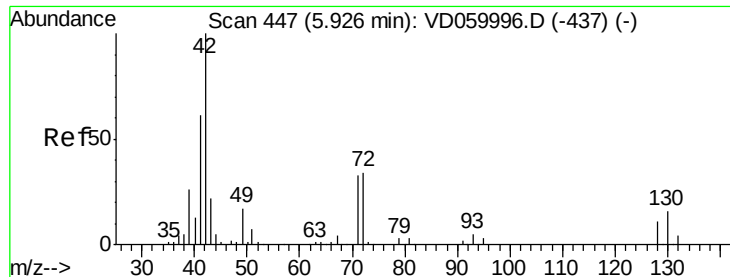


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

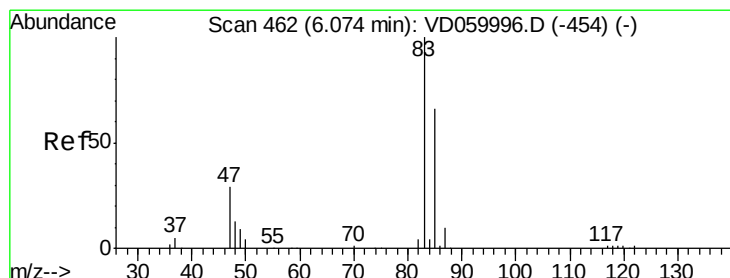
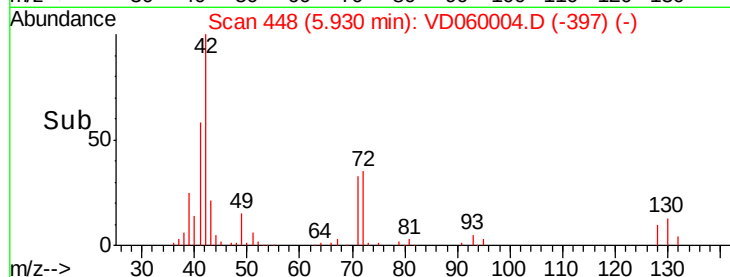
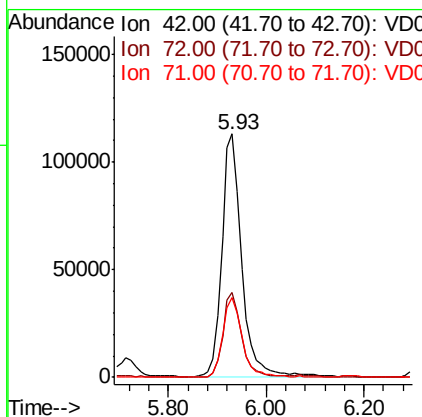
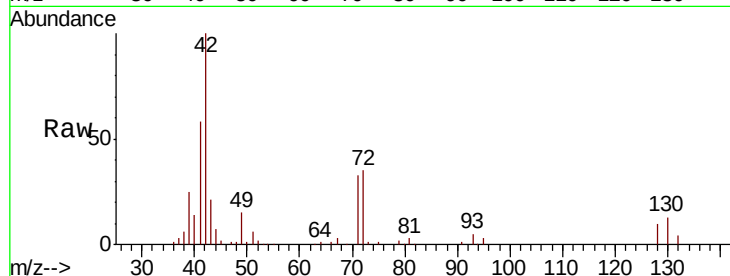




#29
Tetrahydrofuran
Concen: 100.78 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

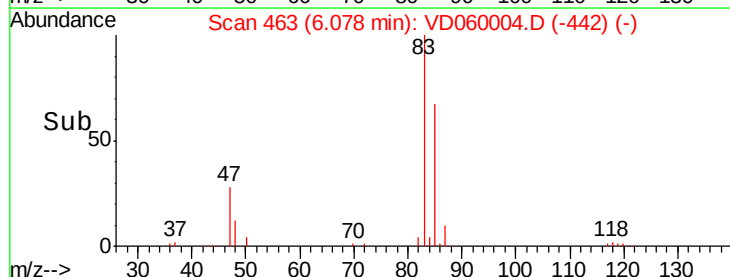
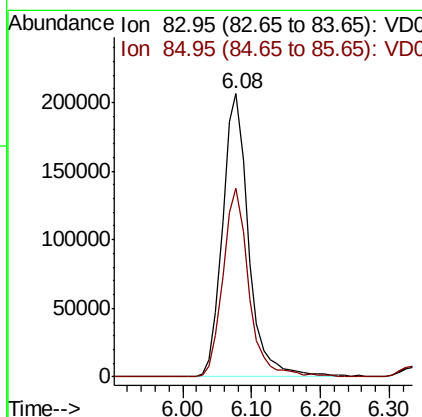
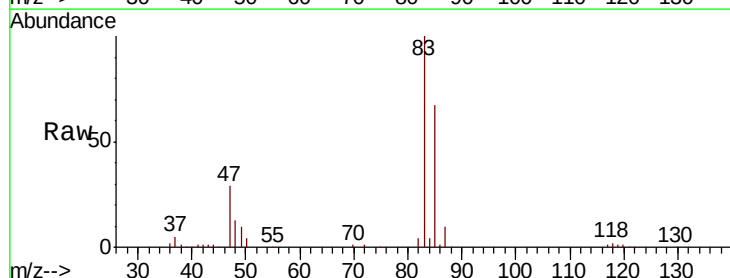
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

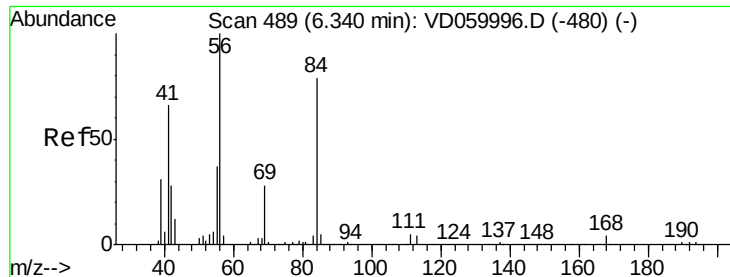
Tot Ion	Ratio	Lower	Upper
42	100		
72	32.4	26.9	40.3
71	32.0	26.2	39.4



#30
Chloroform
Concen: 20.33 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.6	78.8





#31

Cyclohexane

Concen: 19.96 ug/l

RT: 6.34 min Scan# 490

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBSD01

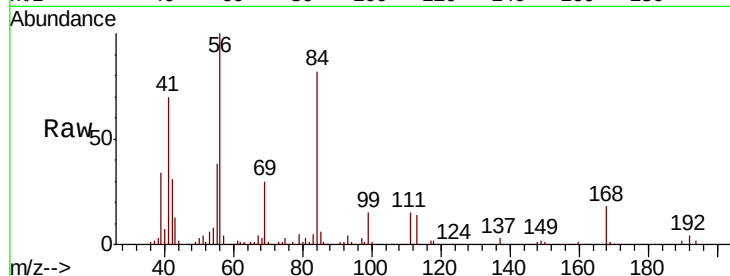
Tot Ion: 56 Resp: 509593

Ion Ratio Lower Upper

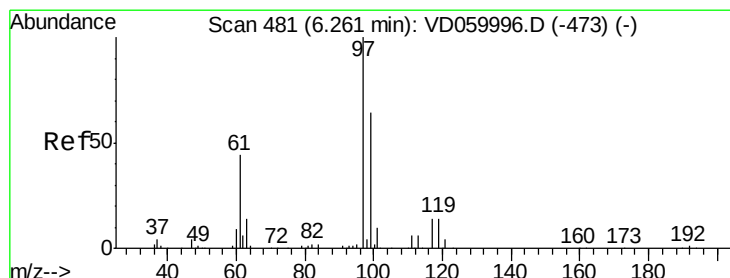
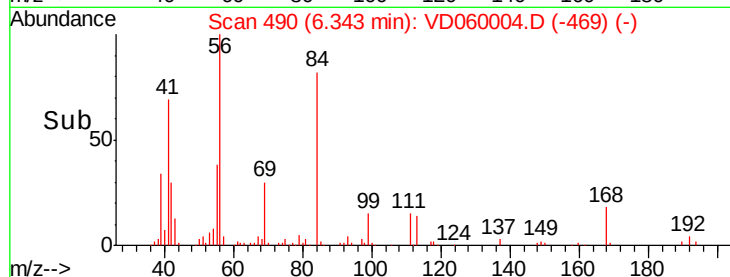
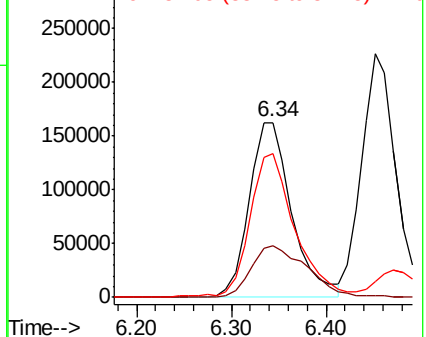
56 100

69 29.5 22.7 34.1

84 82.3 64.0 96.0



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 20.36 ug/l

RT: 6.26 min Scan# 482

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

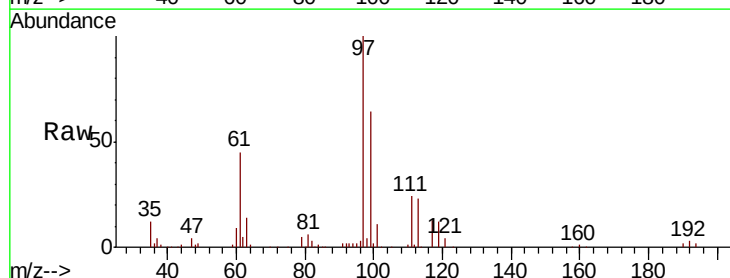
Tgt Ion: 97 Resp: 448409

Ion Ratio Lower Upper

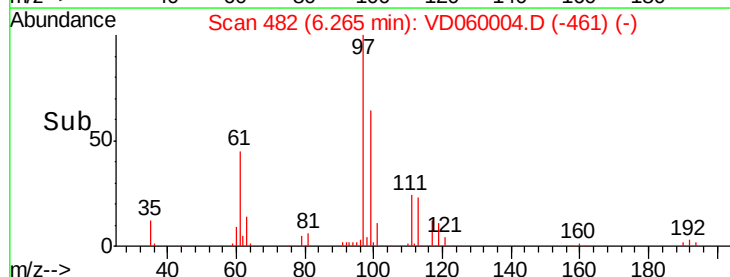
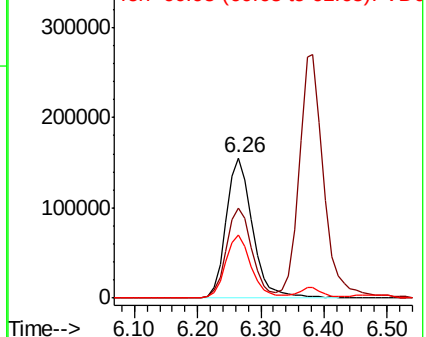
97 100

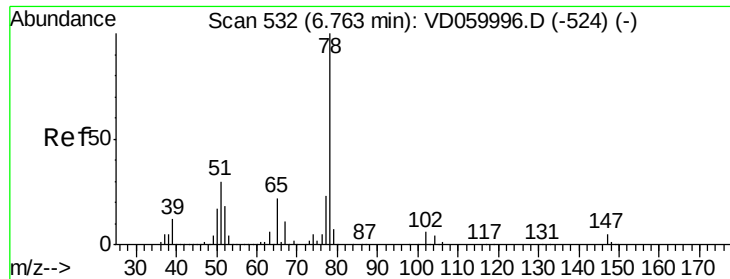
99 64.5 51.3 76.9

61 44.7 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

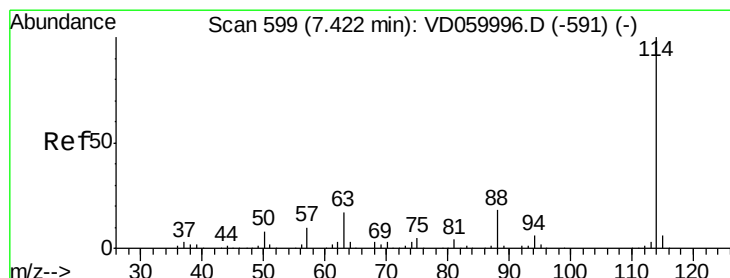
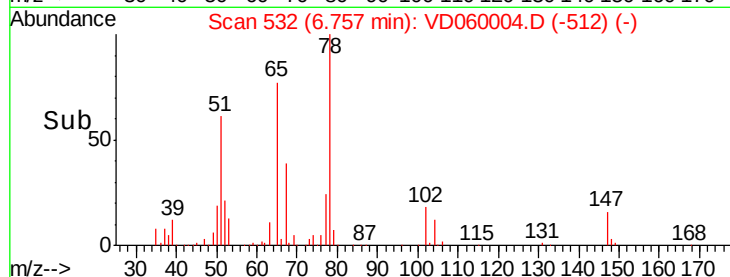
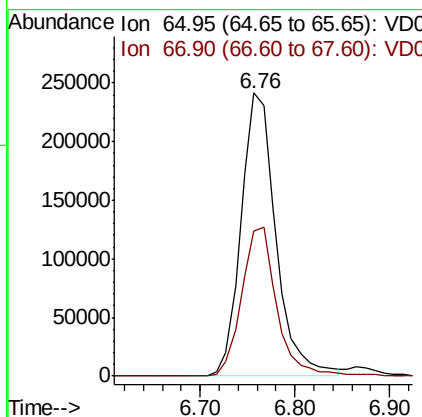
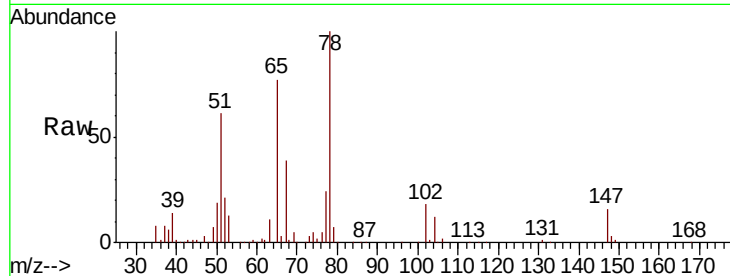




#33
 1,2-Dichloroethane-d4
 Concen: 20.36 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

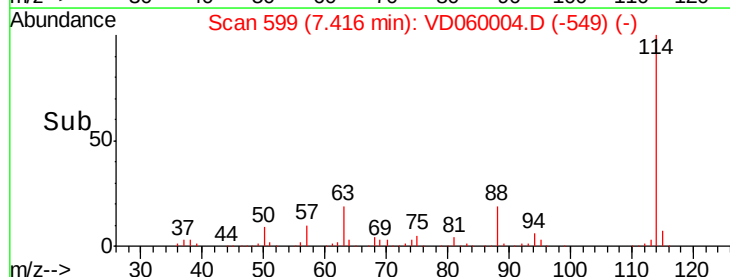
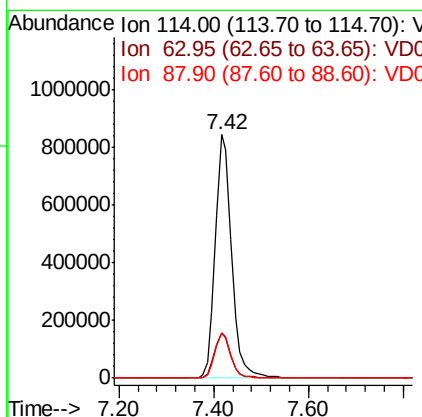
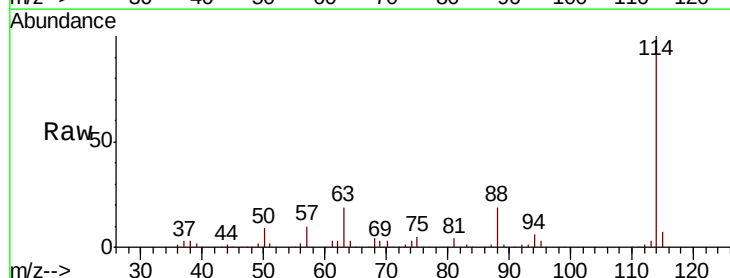
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD01

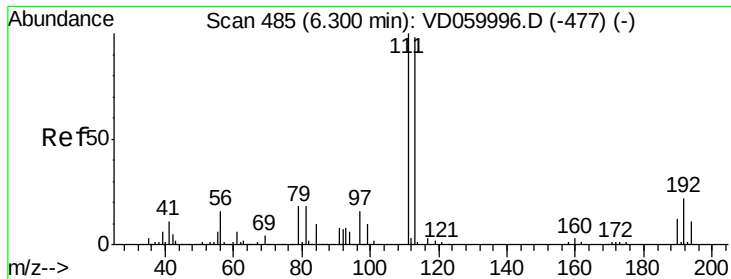
Tot Ion: 65 Resp: 615850
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion: 114 Resp: 2021045
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 34.4
 88 18.8 0.0 35.8

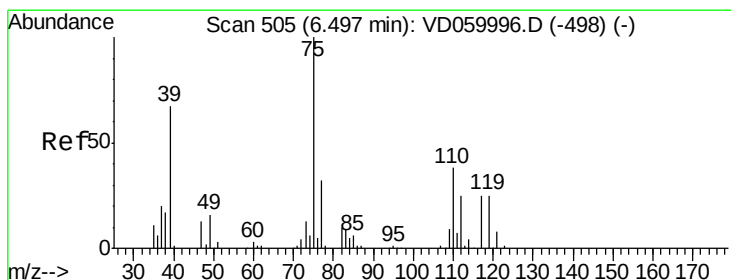
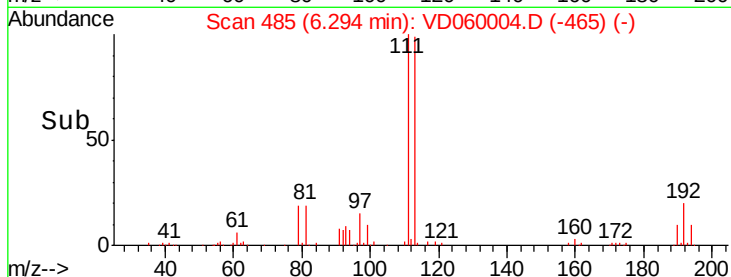
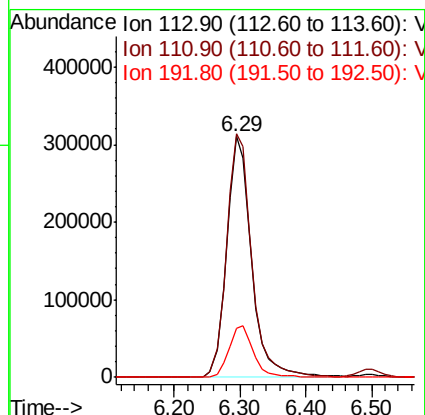
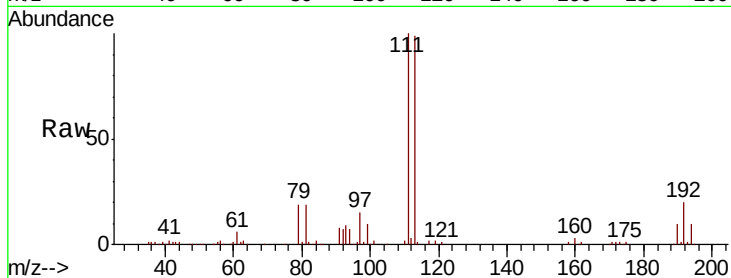




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.29 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

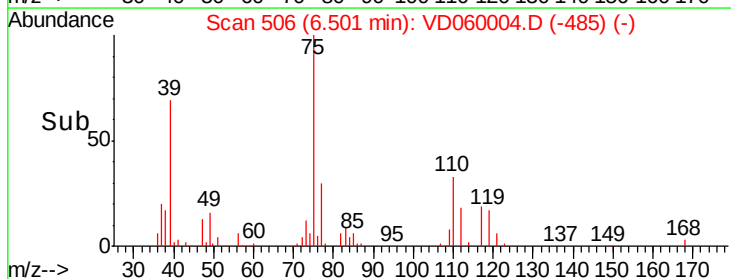
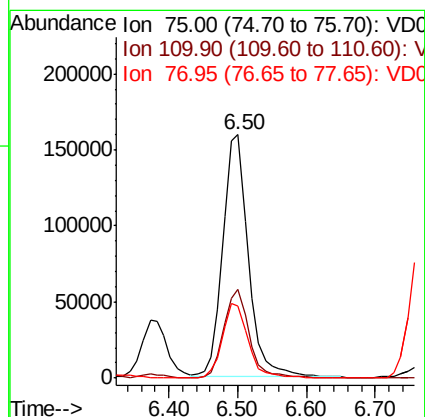
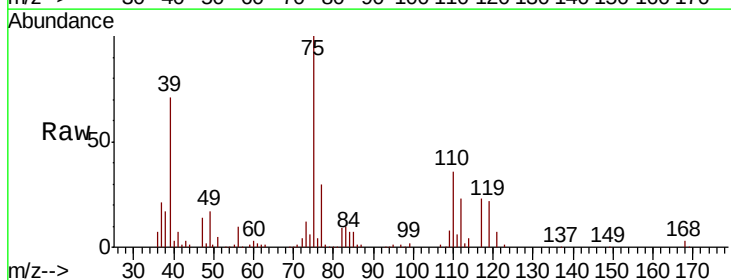
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD01

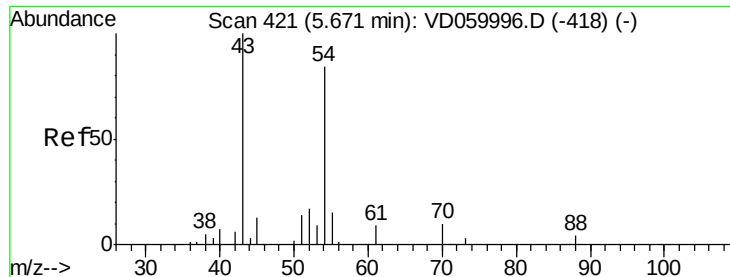
Tot Ion:113 Resp: 820497
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.3 121.9
 192 20.6 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 20.38 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion: 75 Resp: 409141
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.9 56.9
 77 29.8 25.3 37.9

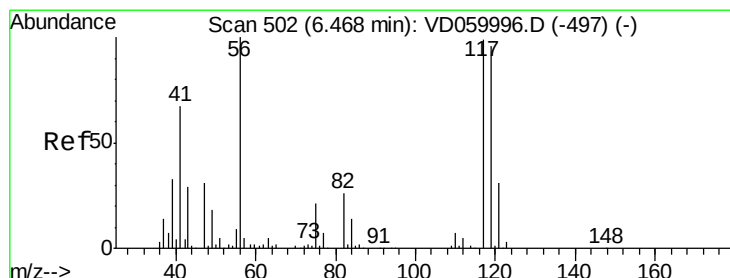
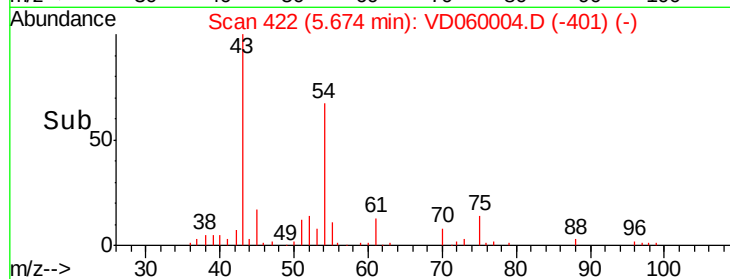
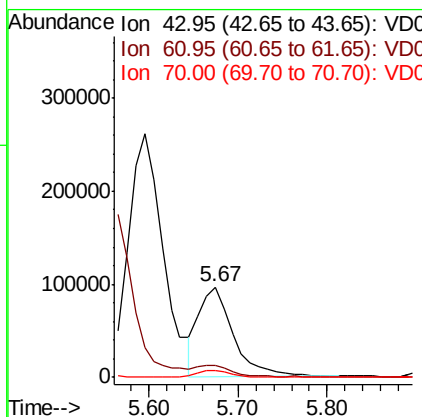
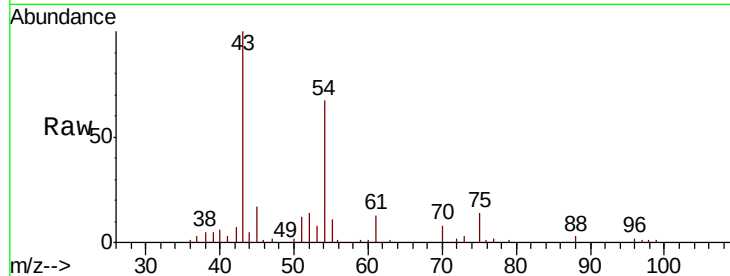




#37
Ethyl Acetate
Concen: 18.50 ug/l
RT: 5.67 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

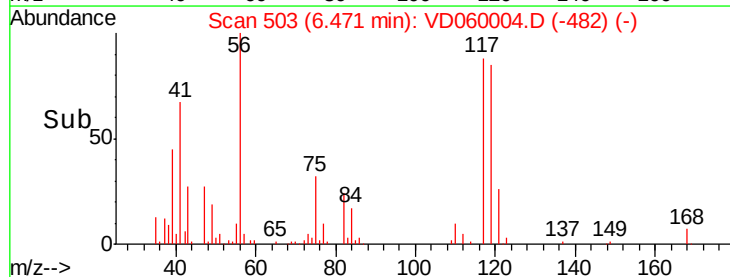
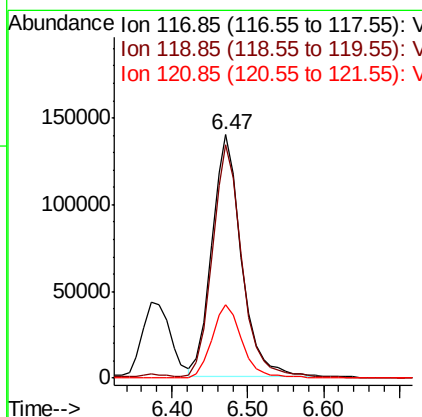
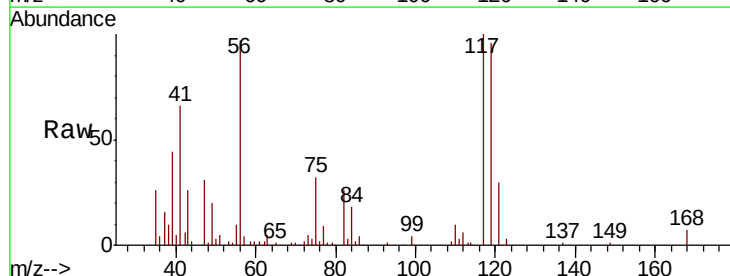
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

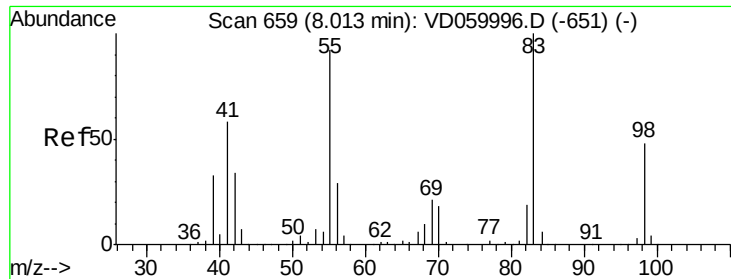
Tot Ion: 43 Resp: 255441
Ion Ratio Lower Upper
43 100
61 12.9 10.2 15.2
70 7.9 6.1 9.1



#38
Carbon Tetrachloride
Concen: 20.24 ug/l
RT: 6.47 min Scan# 503
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion: 117 Resp: 379409
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1
121 30.4 24.9 37.3

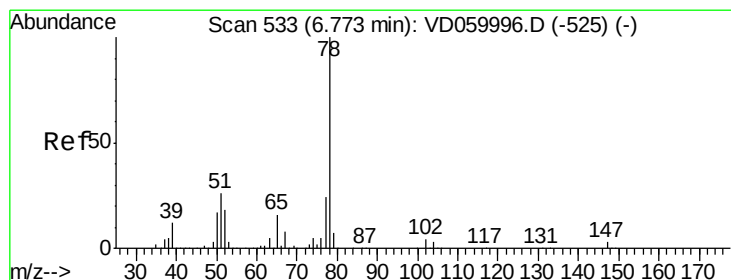
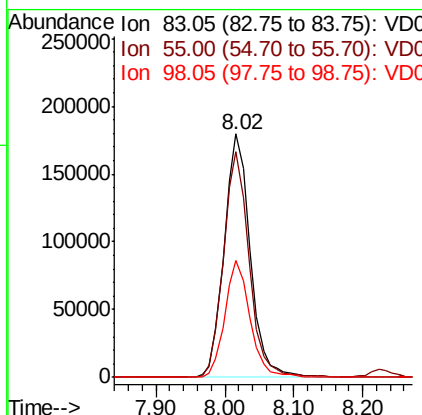
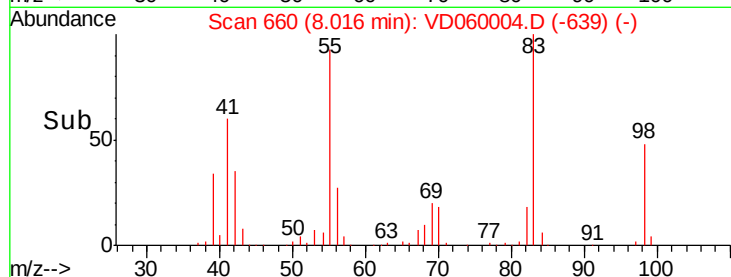
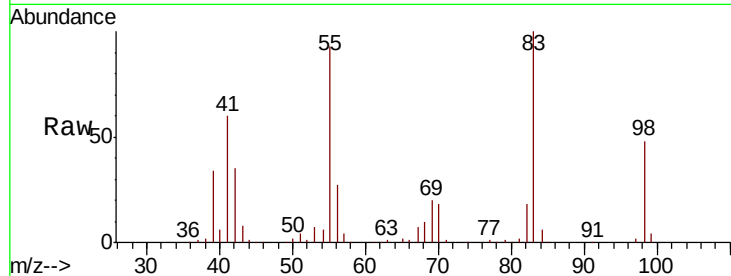




#39
Methylvlcyclohexane
Concen: 20.65 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

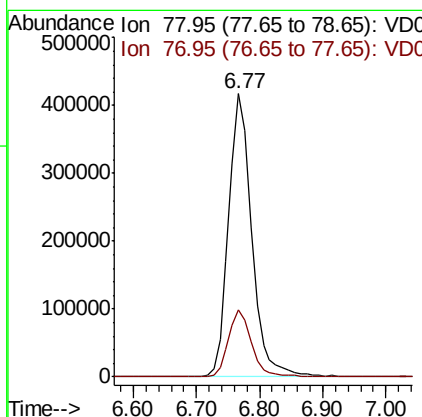
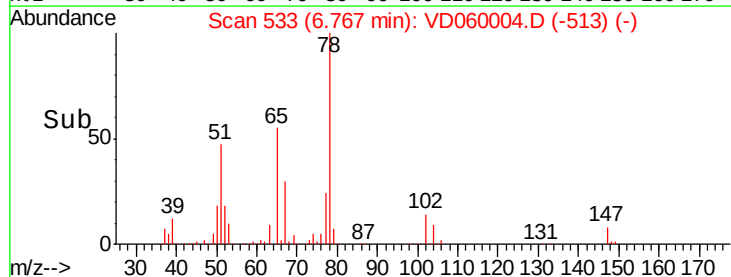
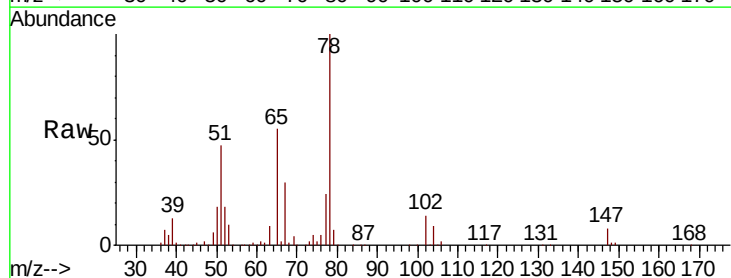
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

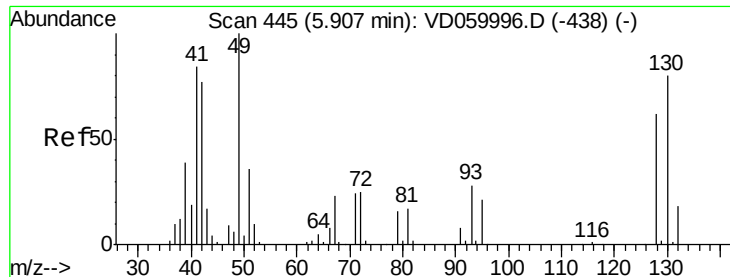
Tot Ion: 83 Resp: 468941
Ion Ratio Lower Upper
83 100
55 92.6 73.8 110.6
98 48.0 38.1 57.1



#40
Benzene
Concen: 20.75 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion: 78 Resp: 1061720
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4

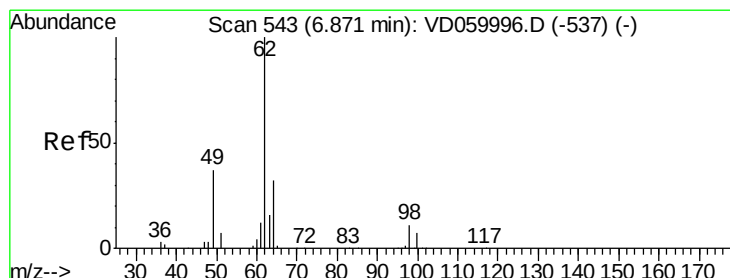
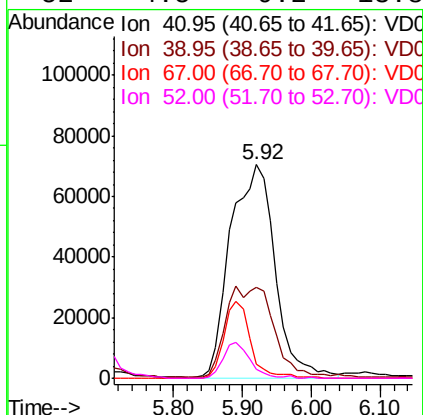
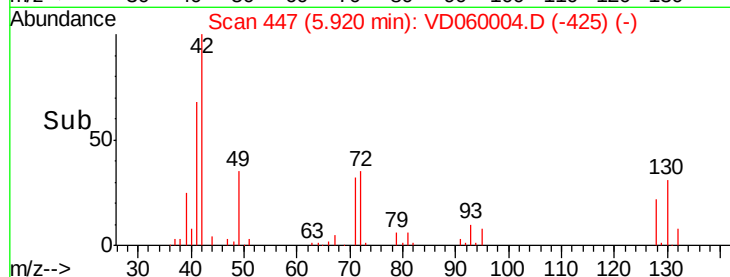
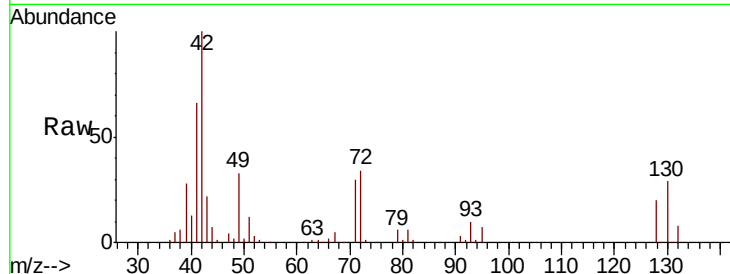




#41
Methacrylonitrile
Concen: 43.95 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

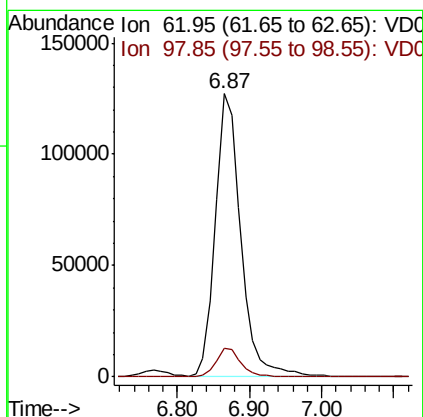
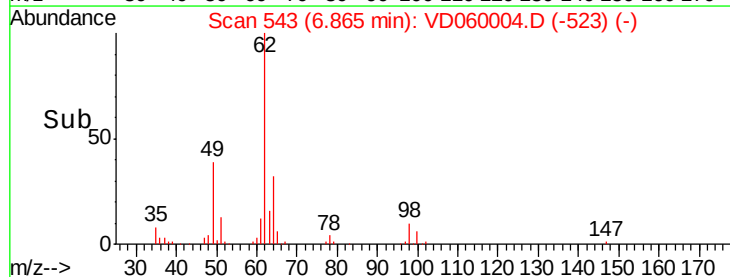
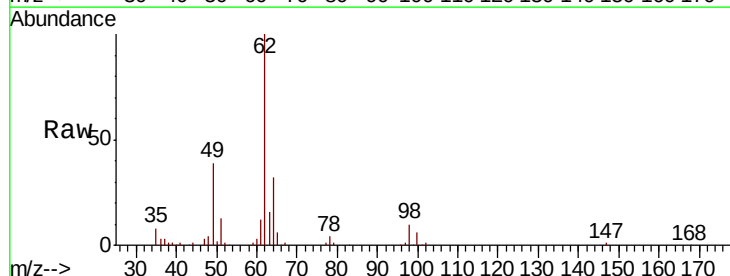
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

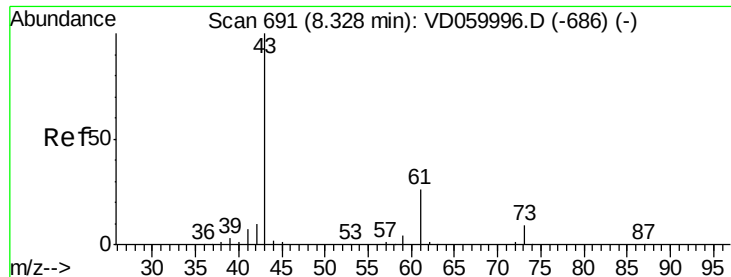
Tot Ion: 41 Resp: 317802
Ion Ratio Lower Upper
41 100
39 42.4 37.5 56.3
67 6.9 21.5 32.3#
52 4.5 9.2 13.8#



#42
1,2-Dichloroethane
Concen: 20.25 ug/l
RT: 6.87 min Scan# 543
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion: 62 Resp: 311112
Ion Ratio Lower Upper
62 100
98 10.2 0.0 21.4





#43

Isopropyl Acetate

Concen: 19.85 ug/l

RT: 8.33 min Scan# 692

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

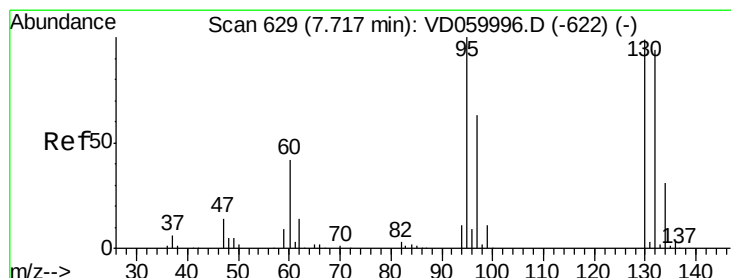
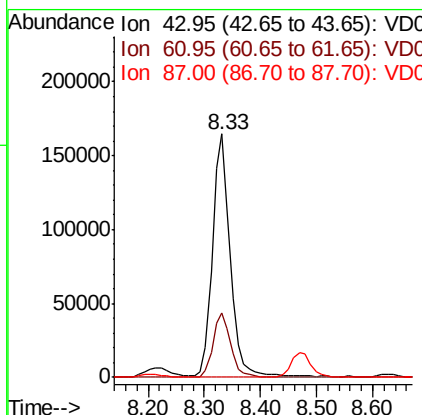
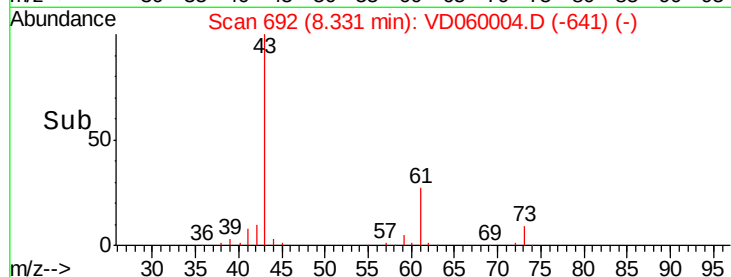
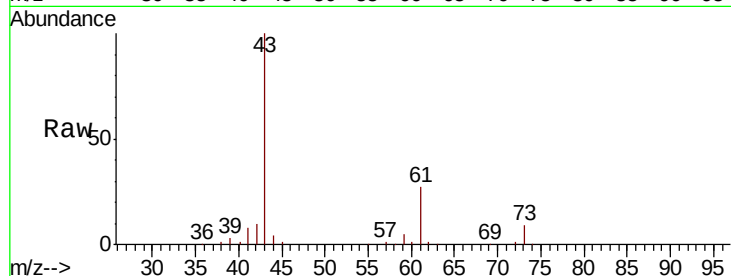
Tot Ion: 43 Resp: 367001

Ion Ratio Lower Upper

43 100

61 26.7 21.0 31.6

87 0.0 0.2 0.2#



#44

Trichloroethene

Concen: 19.75 ug/l

RT: 7.72 min Scan# 630

Delta R.T. 0.00 min

Lab File: VD060004.D

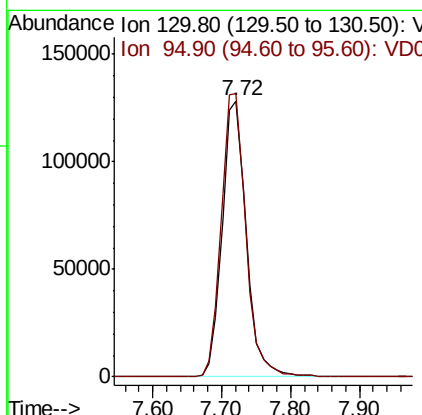
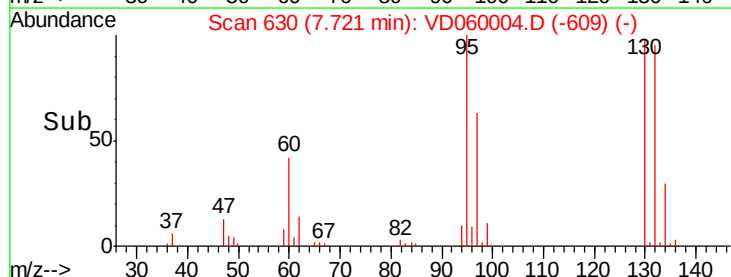
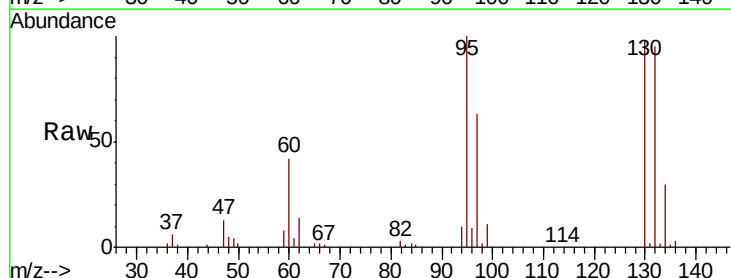
Acq: 14 Sep 2018 12:25

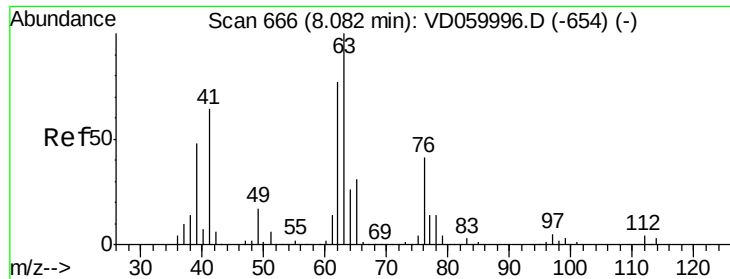
Tgt Ion: 130 Resp: 312228

Ion Ratio Lower Upper

130 100

95 102.6 0.0 202.0

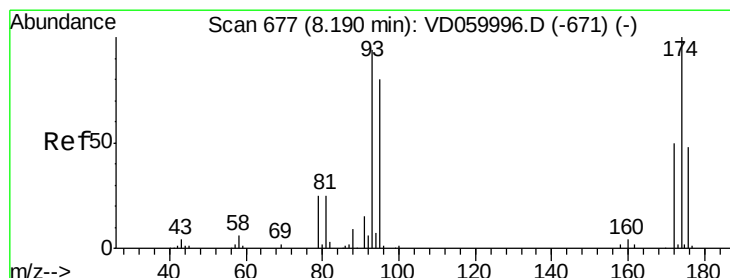
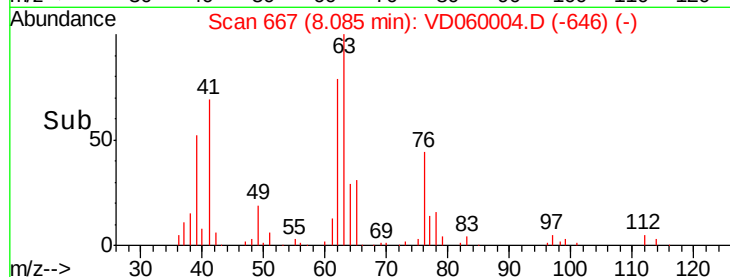
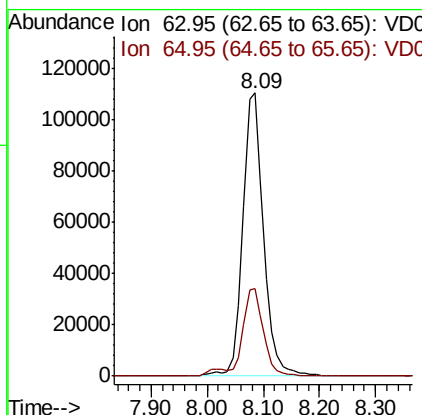
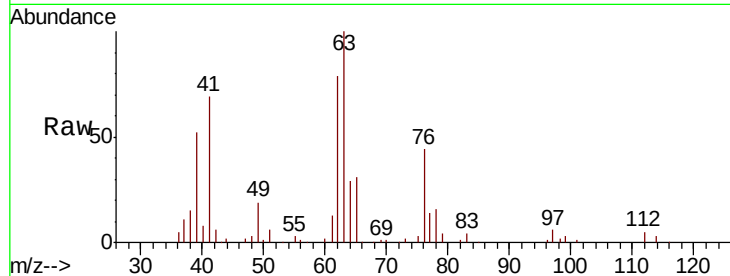




#45
 1,2-Dichloropropane
 Concen: 20.64 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

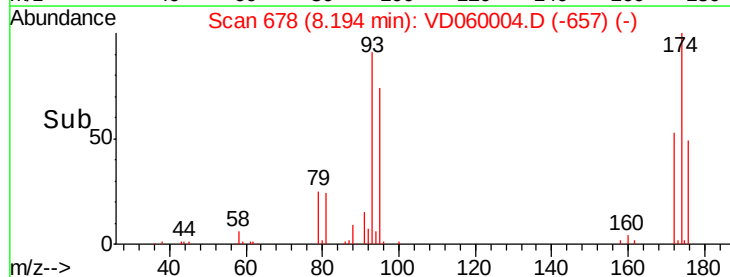
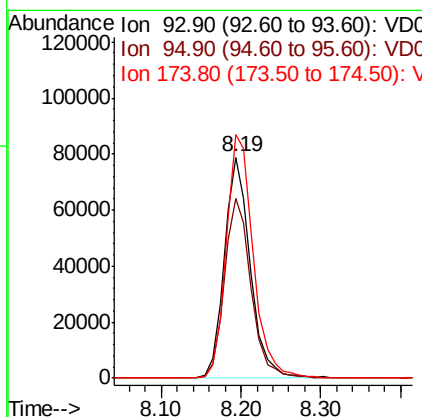
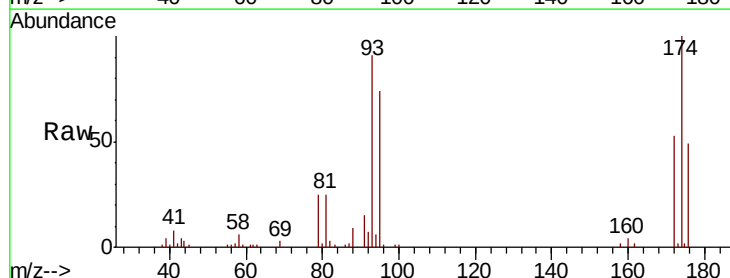
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD01

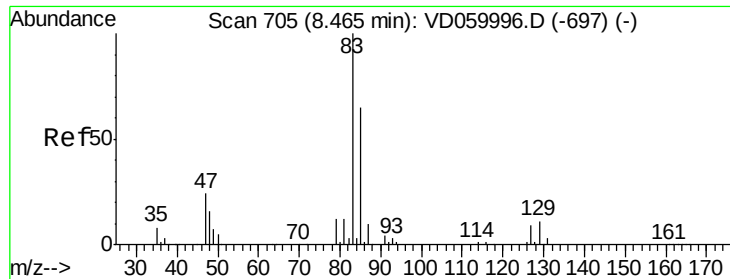
Tot Ion: 63 Resp: 282344
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 37.0



#46
 Dibromomethane
 Concen: 20.19 ug/l
 RT: 8.19 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion: 93 Resp: 180283
 Ion Ratio Lower Upper
 93 100
 95 81.4 68.0 102.0
 174 110.2 85.4 128.2





#47

Bromodichloromethane

Concen: 20.17 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBSD01

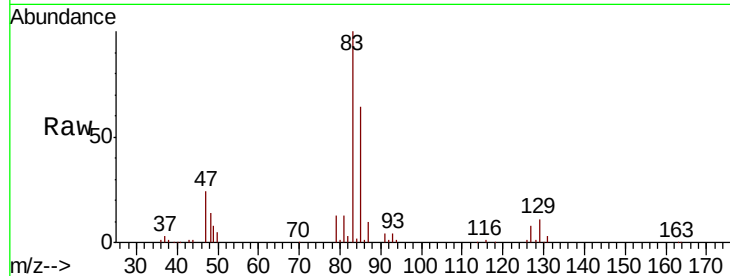
Tot Ion: 83 Resp: 388250

Ion Ratio Lower Upper

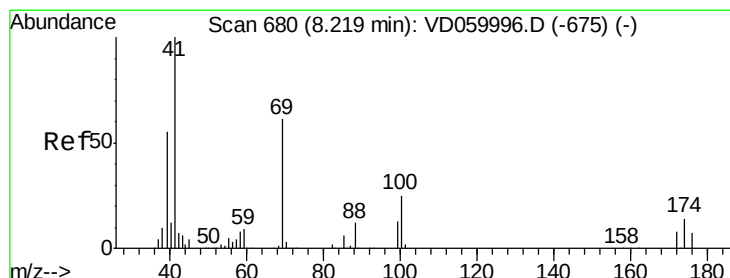
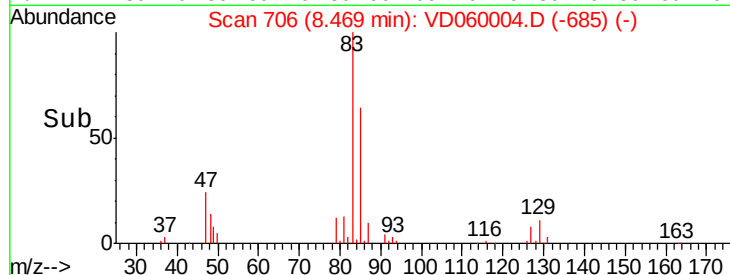
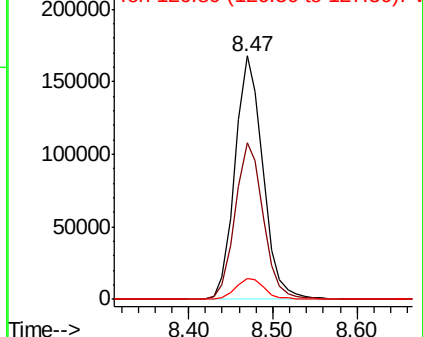
83 100

85 64.3 51.9 77.9

127 8.4 6.8 10.2



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.07 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

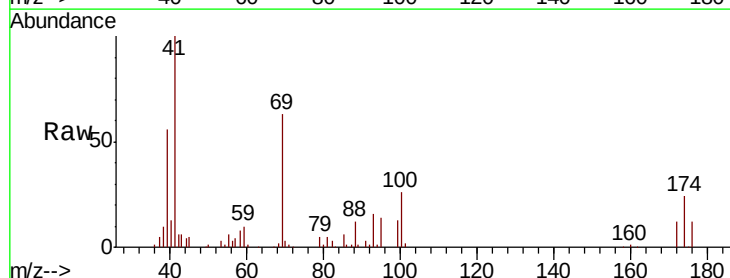
Tgt Ion: 41 Resp: 206603

Ion Ratio Lower Upper

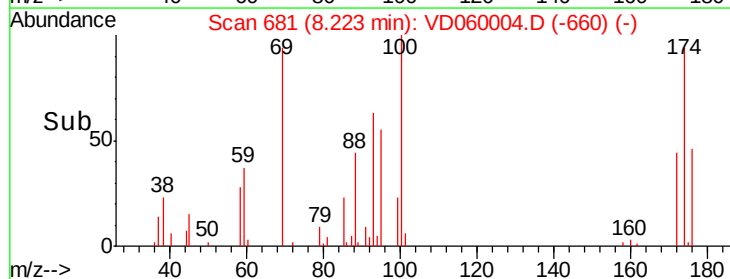
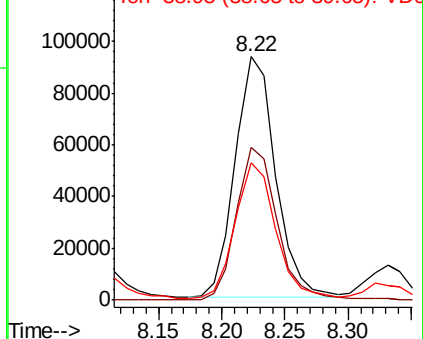
41 100

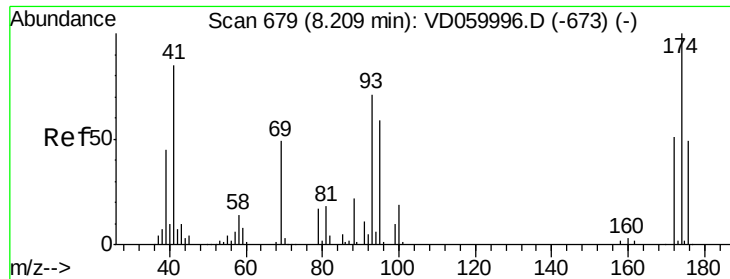
69 62.7 48.3 72.5

39 56.2 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: 384.93 ug/l

RT: 8.21 min Scan# 680

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBSD01

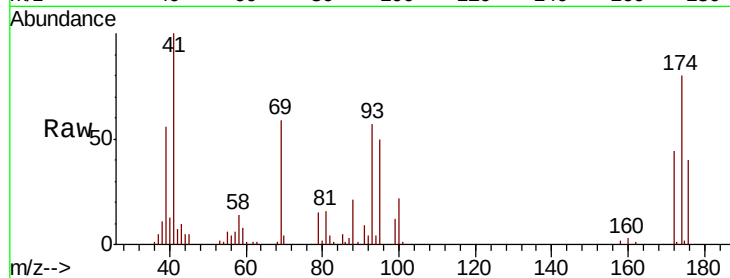
Tot Ion: 88 Resp: 39360

Ion Ratio Lower Upper

88 100

43 46.2 36.2 54.2

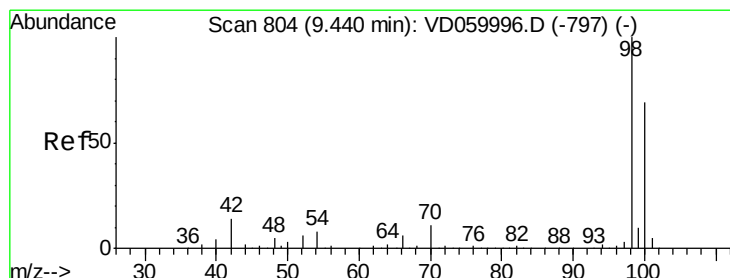
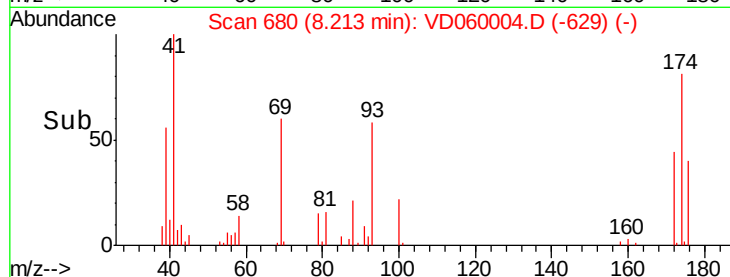
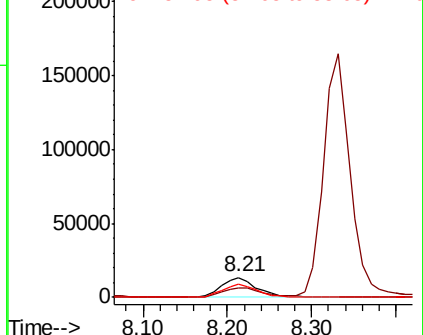
58 65.9 51.0 76.6



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: 384.93 ug/l

RT: 9.43 min Scan# 804

Delta R.T. -0.01 min

Lab File: VD060004.D

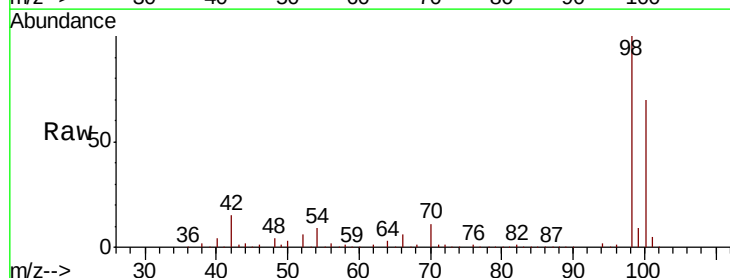
Acq: 14 Sep 2018 12:25

Tgt Ion: 98 Resp: 2312522

Ion Ratio Lower Upper

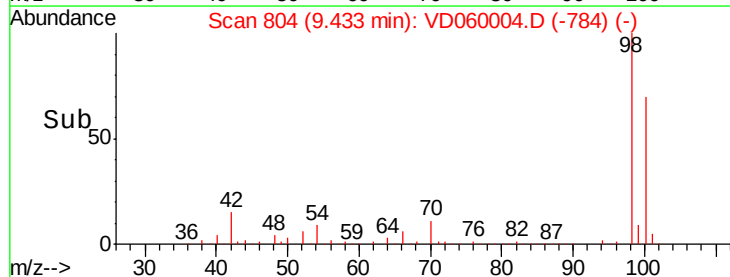
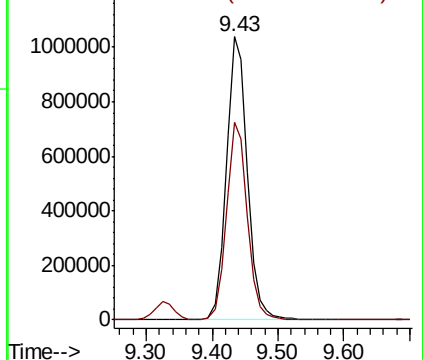
98 100

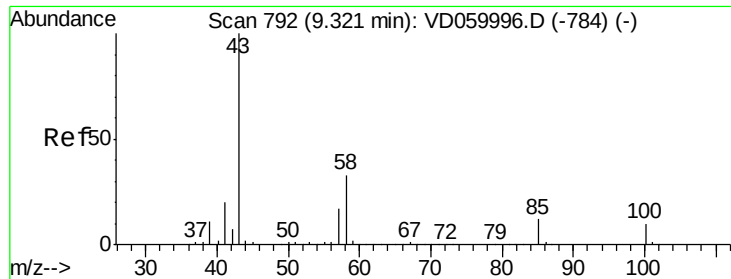
100 69.8 55.8 83.6



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: 109.16 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

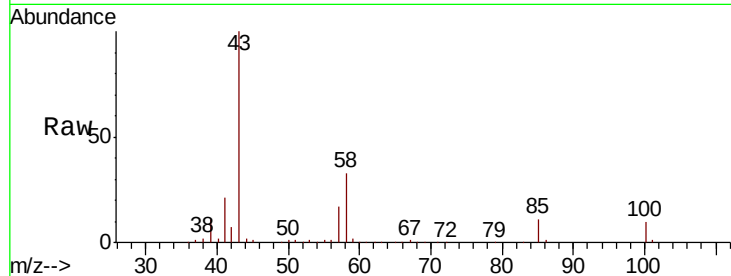
VD0914SBS01

Tot Ion: 43 Resp: 1473199

Ion Ratio Lower Upper

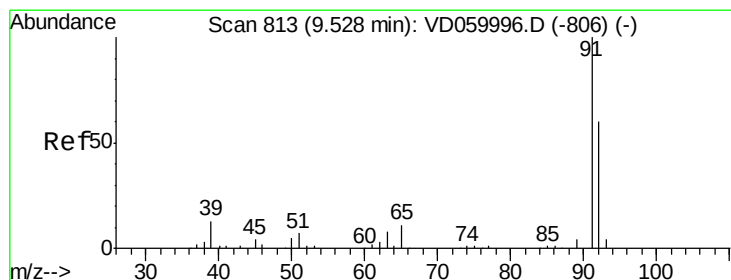
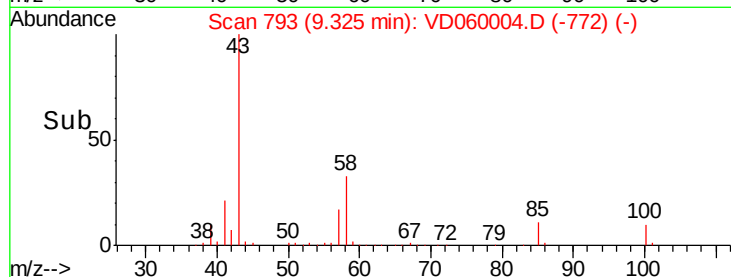
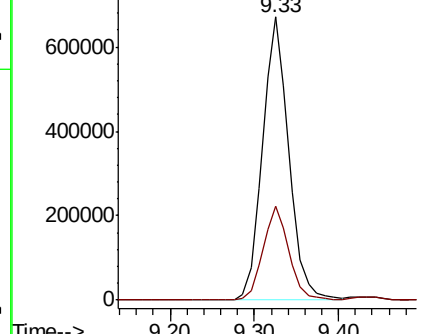
43 100

58 33.1 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: 21.19 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.00 min

Lab File: VD060004.D

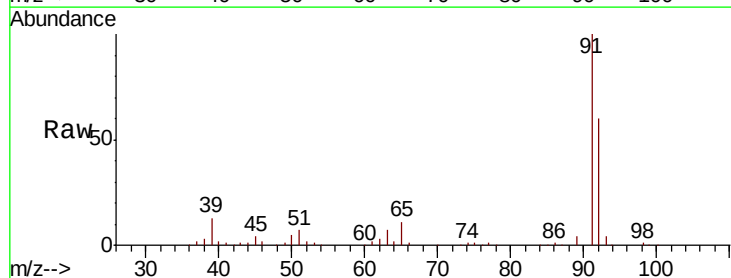
Acq: 14 Sep 2018 12:25

Tgt Ion: 92 Resp: 694953

Ion Ratio Lower Upper

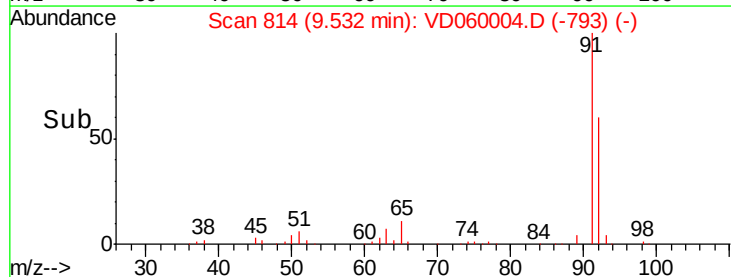
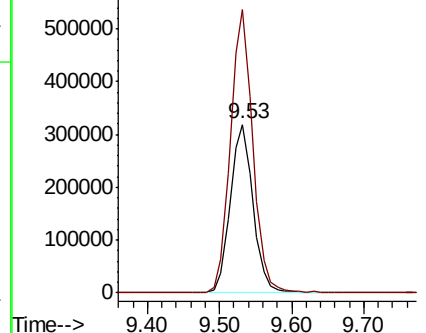
92 100

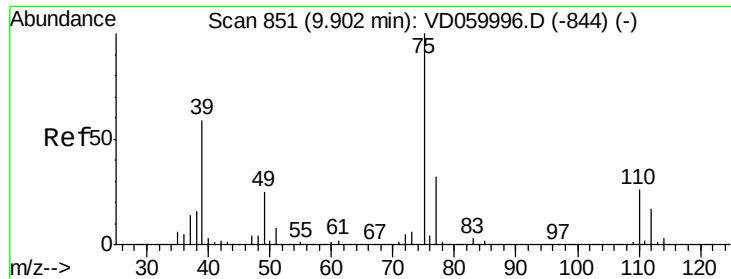
91 167.9 132.3 198.5



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: 20.33 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

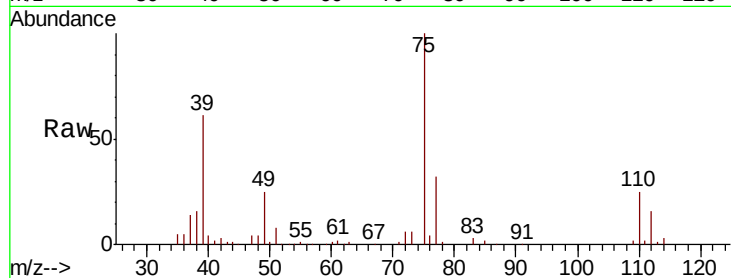
VD0914SBSD01

Tot Ion: 75 Resp: 364958

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

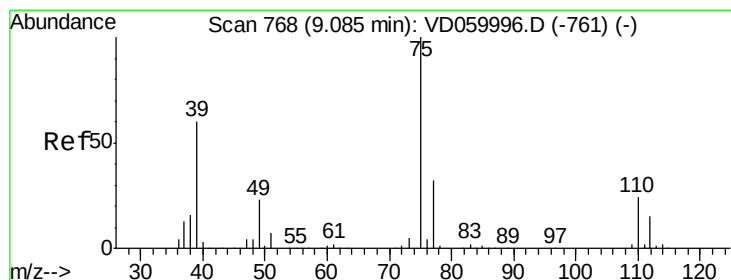
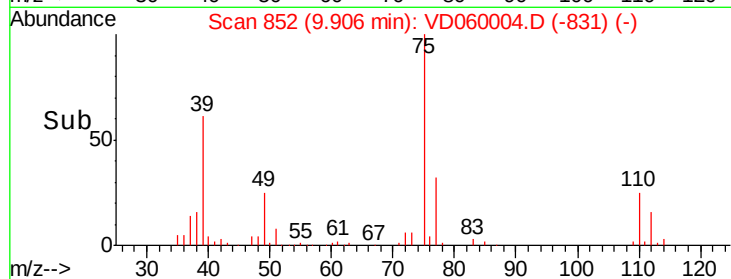
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.90 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

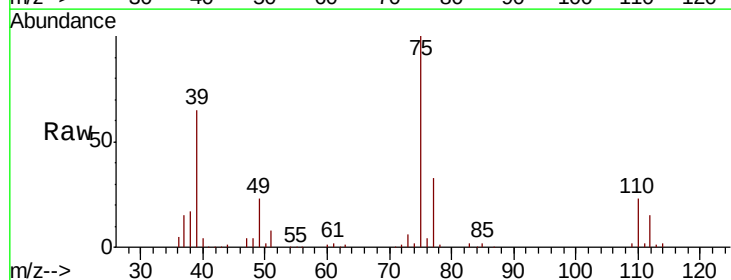
Tgt Ion: 75 Resp: 426893

Ion Ratio Lower Upper

75 100

77 33.0 25.5 38.3

39 65.5 48.0 72.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.08

250000

200000

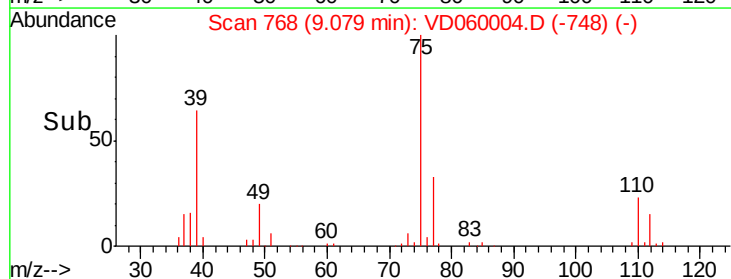
150000

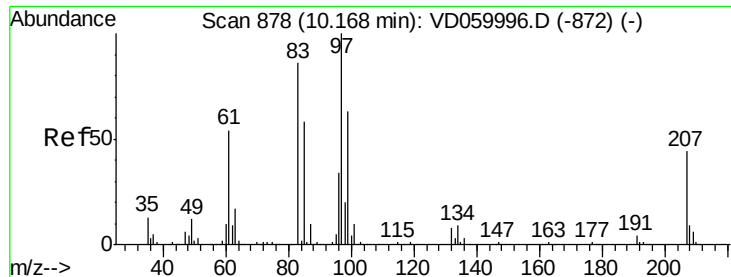
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.83 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBSD01

Tot Ion: 97 Resp: 225829

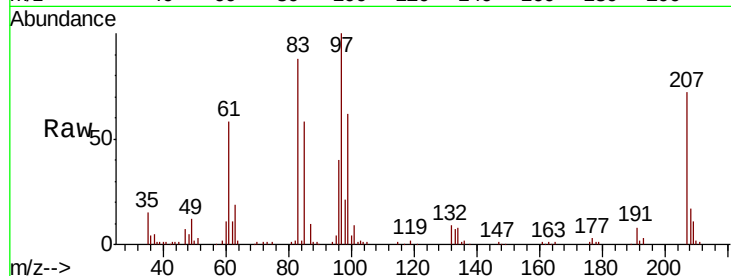
Ion Ratio Lower Upper

97 100

83 88.2 69.1 103.7

85 58.3 46.2 69.4

99 62.2 50.6 75.8

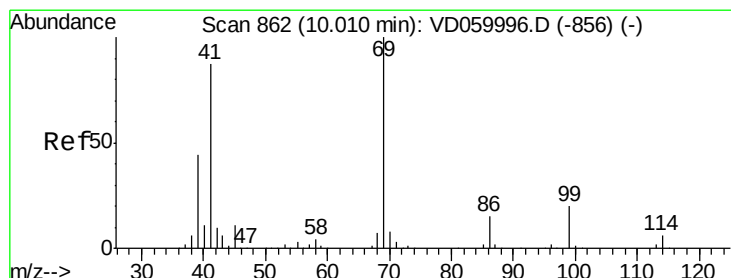
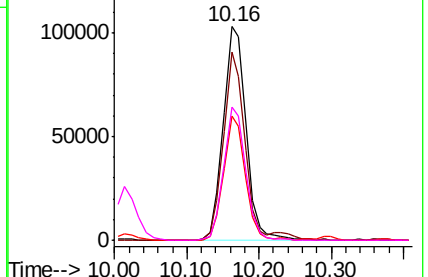
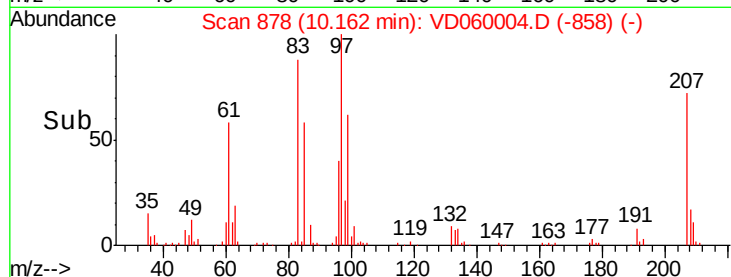


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 19.60 ug/l

RT: 10.01 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

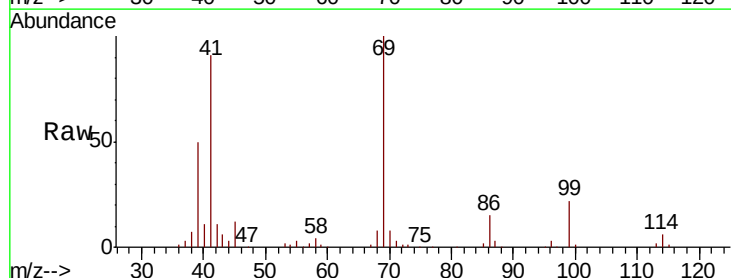
Tgt Ion: 69 Resp: 247513

Ion Ratio Lower Upper

69 100

41 91.4 70.1 105.1

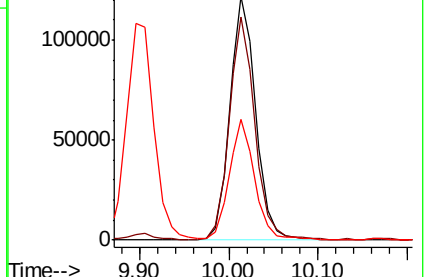
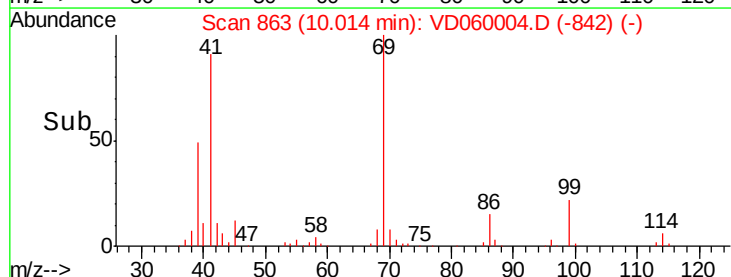
39 49.6 36.5 54.7

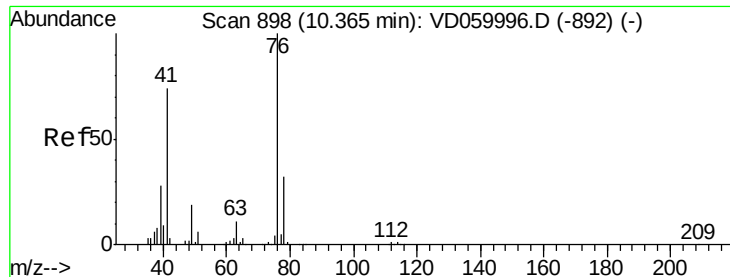


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.69 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

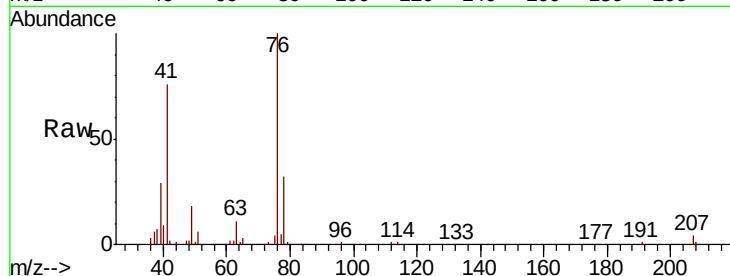
VD0914SBSD01

Tot Ion: 76 Resp: 330906

Ion Ratio Lower Upper

76 100

78 31.9 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.37

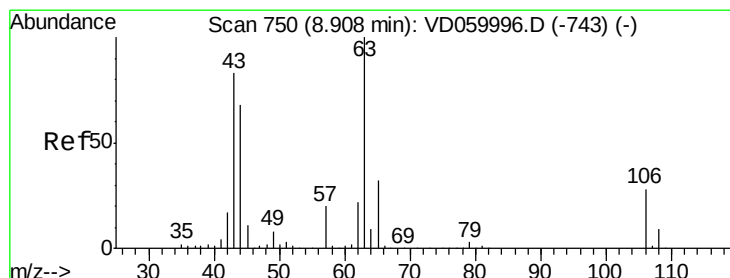
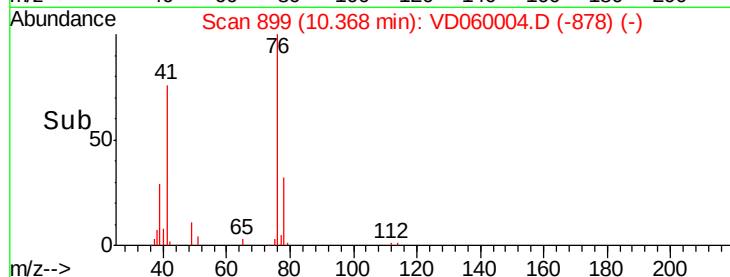
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 106.26 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD060004.D

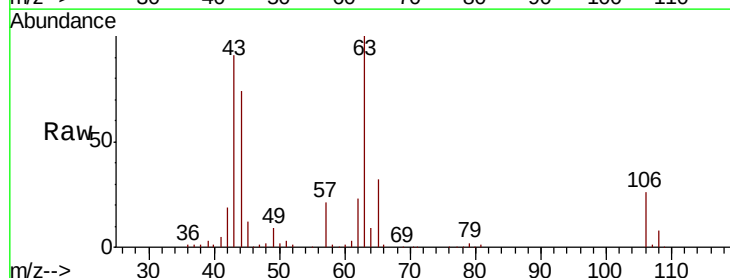
Acq: 14 Sep 2018 12:25

Tgt Ion: 63 Resp: 648126

Ion Ratio Lower Upper

63 100

106 25.5 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.90

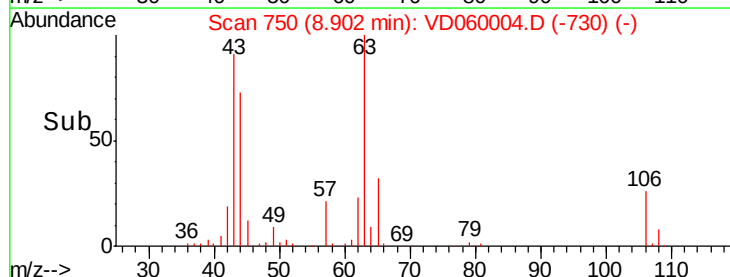
300000

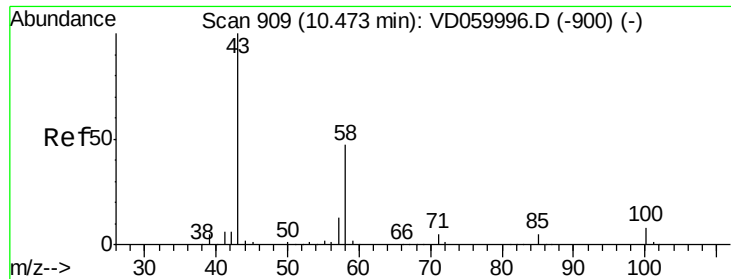
200000

100000

0

Time-->

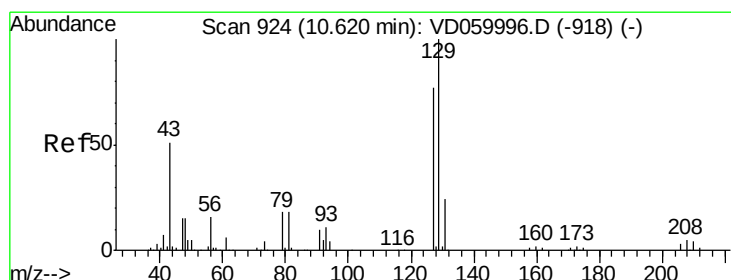
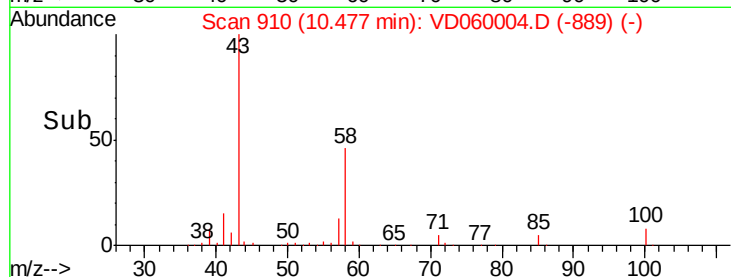
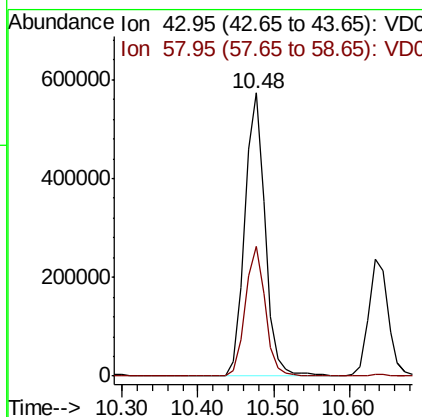
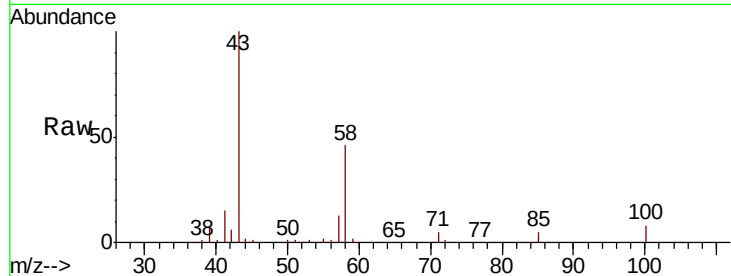




#59
2-Hexanone
Concen: 109.08 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

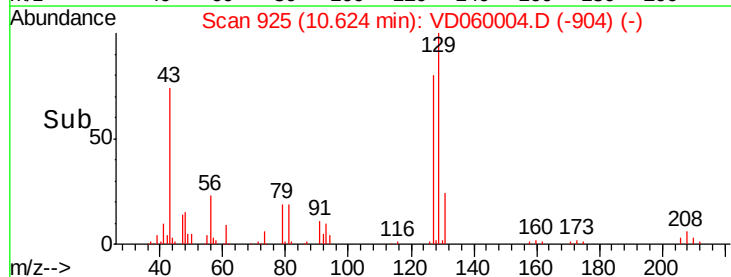
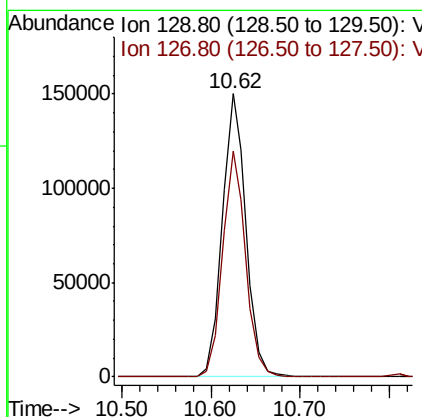
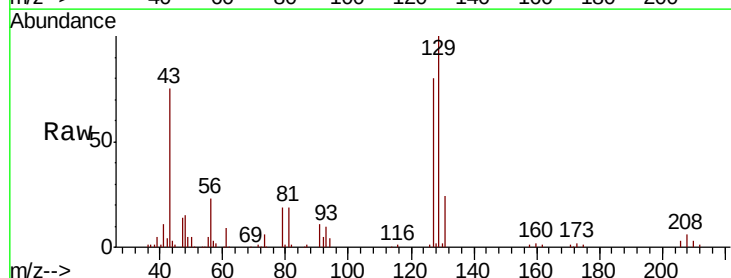
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

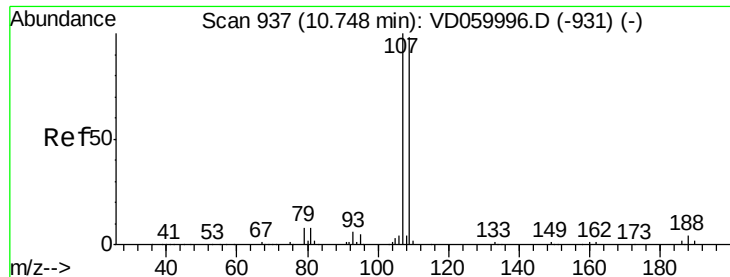
Tot Ion: 43 Resp: 1060480
Ion Ratio Lower Upper
43 100
58 45.8 23.4 70.0



#60
Dibromochloromethane
Concen: 20.15 ug/l
RT: 10.62 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion: 129 Resp: 279334
Ion Ratio Lower Upper
129 100
127 79.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.22 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

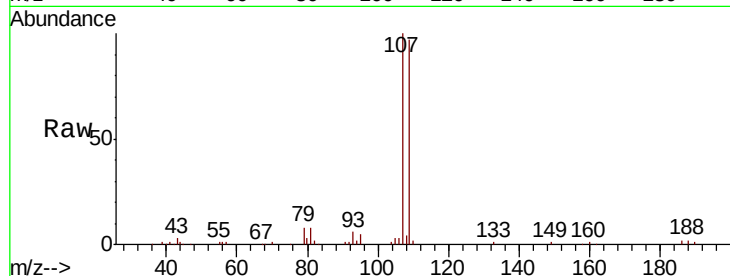
VD0914SBS01

Tot Ion: 107 Resp: 237712

Ion Ratio Lower Upper

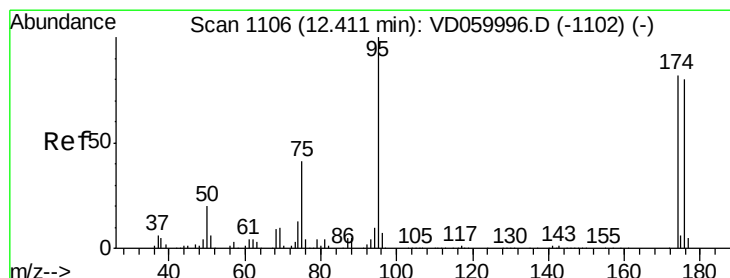
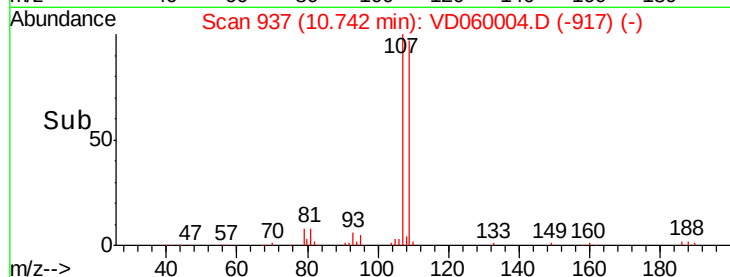
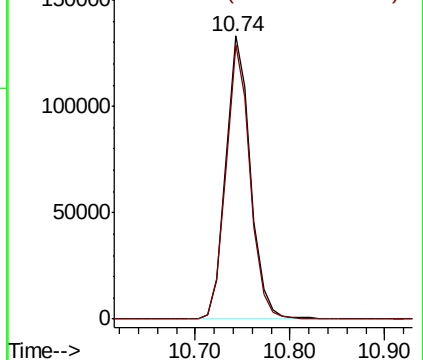
107 100

109 97.0 78.2 117.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.22 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

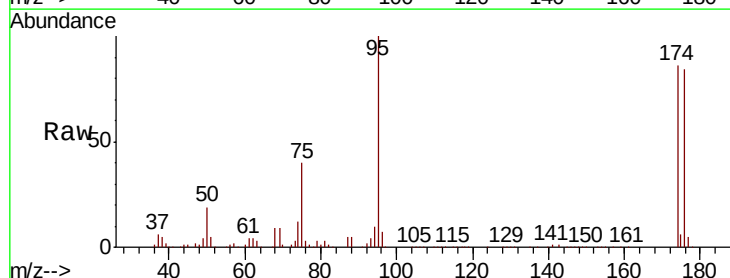
Tgt Ion: 95 Resp: 882733

Ion Ratio Lower Upper

95 100

174 86.1 0.0 165.0

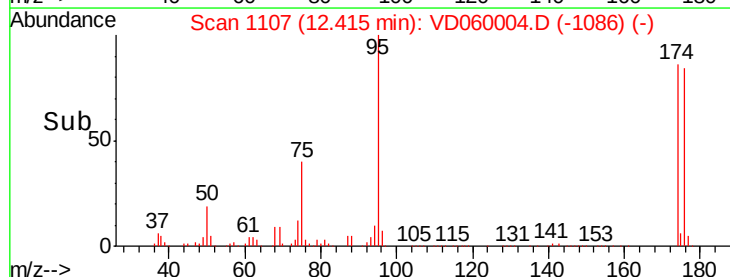
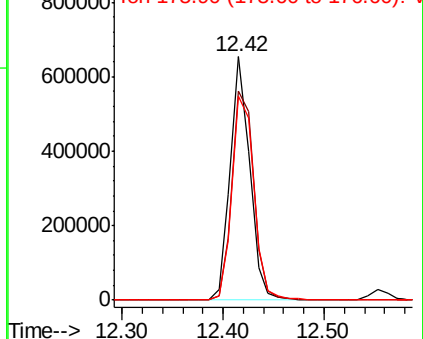
176 83.8 0.0 160.2

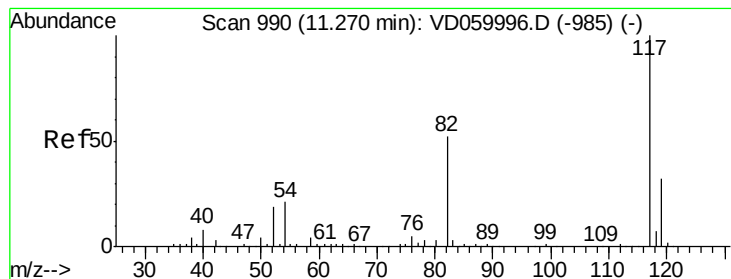


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.27 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBSD01

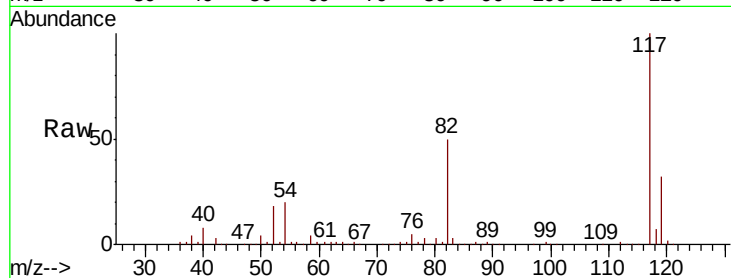
Tot Ion:117 Resp: 1670119

Ion Ratio Lower Upper

117 100

82 50.5 41.7 62.5

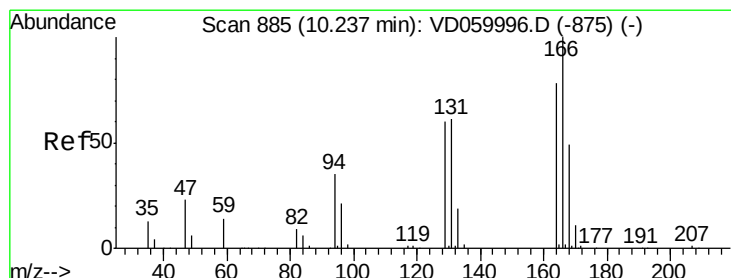
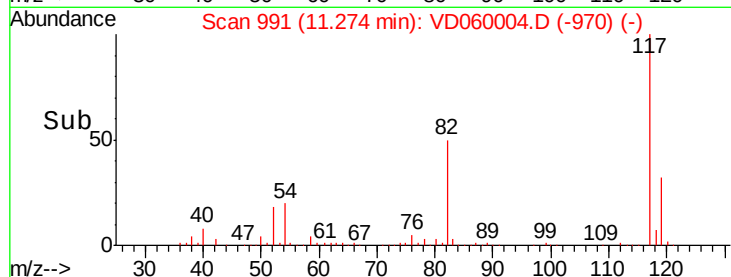
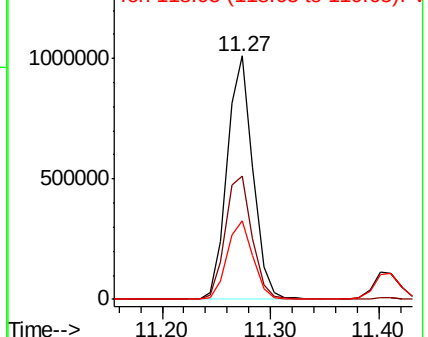
119 32.4 26.0 39.0



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: 20.22 ug/l

RT: 10.23 min Scan# 885

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Tgt Ion:164 Resp: 297993

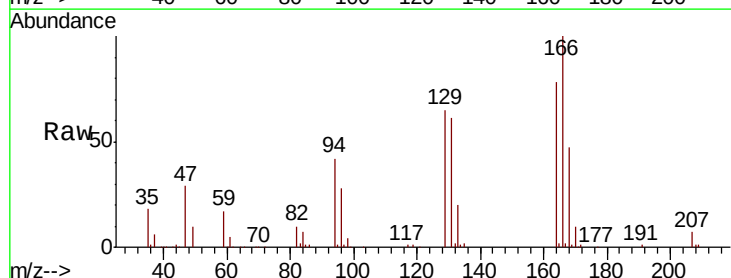
Ion Ratio Lower Upper

164 100

166 127.4 103.0 154.6

129 82.9 61.9 92.9

131 78.2 62.6 93.8

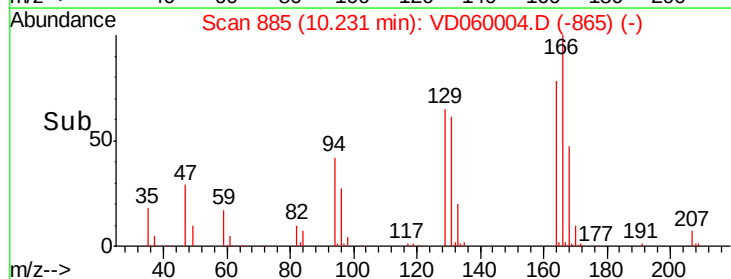
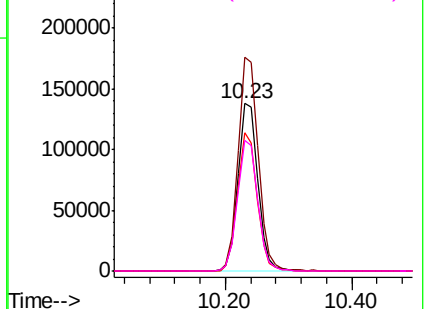


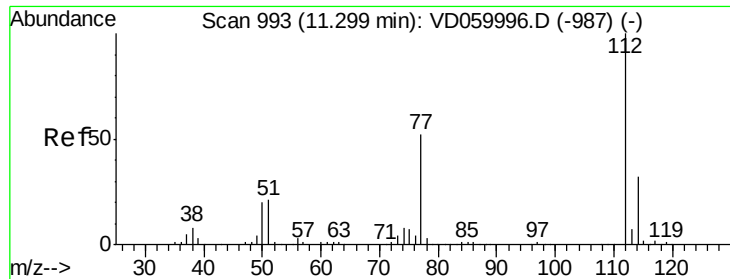
Abundance Ion 163.85 (163.55 to 164.55): V

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

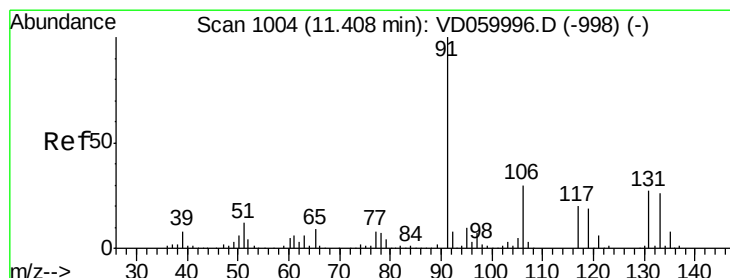
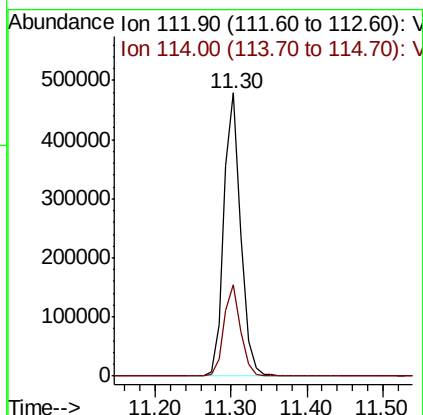
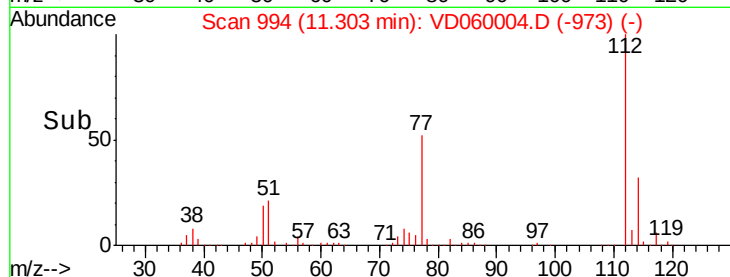
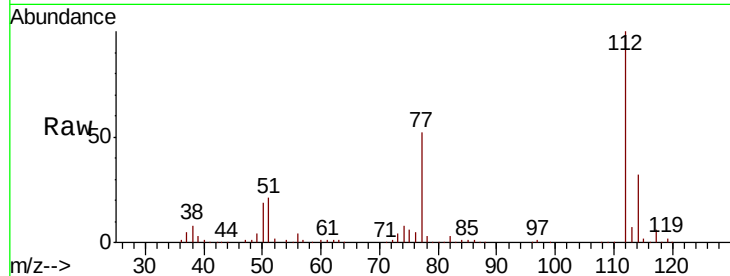




#65
Chlorobenzene
Concen: 20.64 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

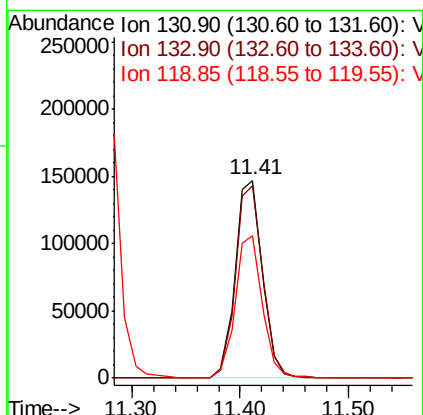
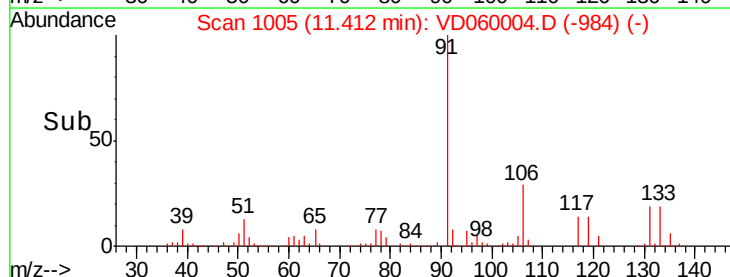
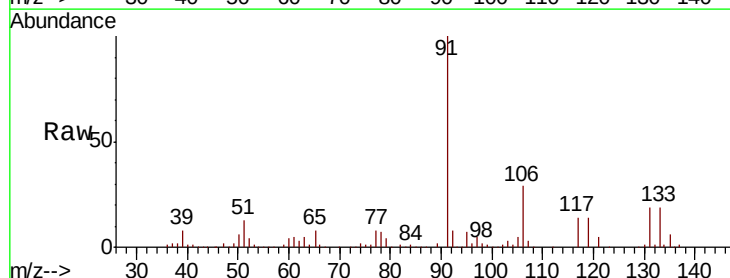
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

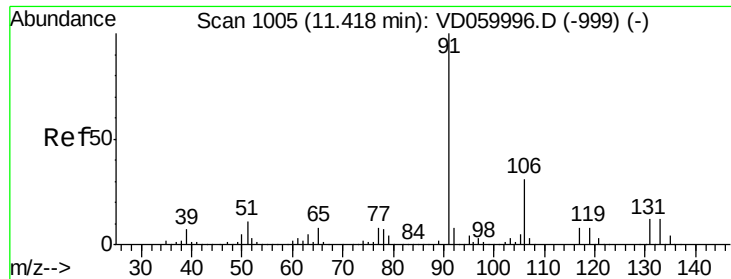
Tot Ion:112 Resp: 741008
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.24 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion:131 Resp: 257259
Ion Ratio Lower Upper
131 100
133 97.4 47.4 142.3
119 72.2 35.6 106.9

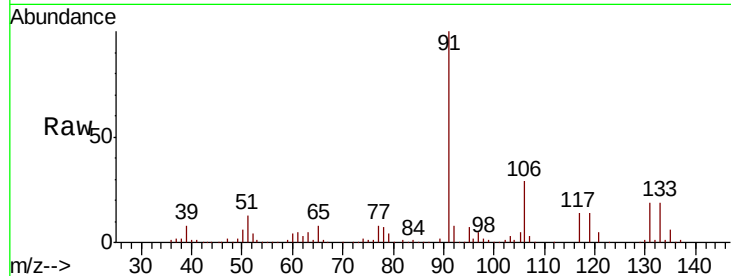




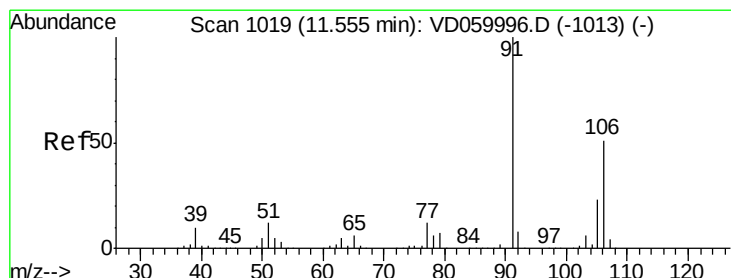
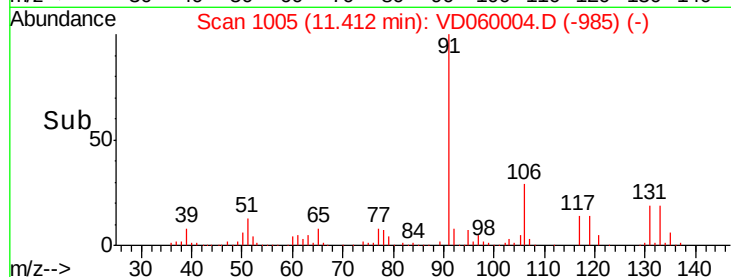
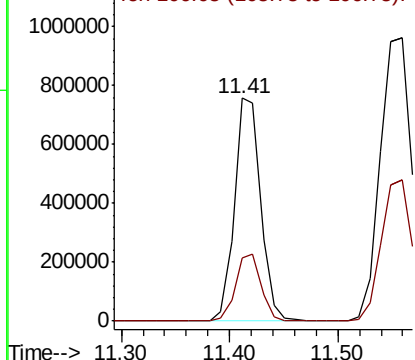
#67
Ethyl Benzene
Concen: 22.01 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

Tot Ion: 91 Resp: 1271942
Ion Ratio Lower Upper
91 100
106 28.6 24.8 37.2

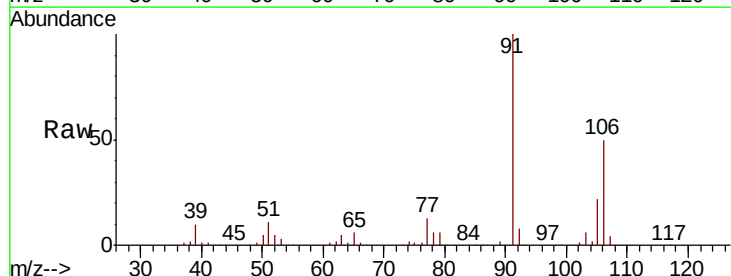


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

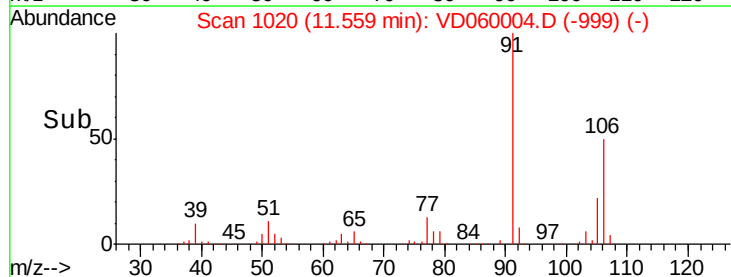
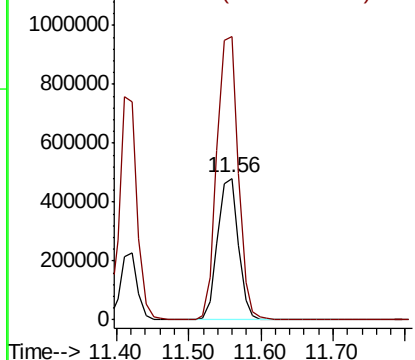


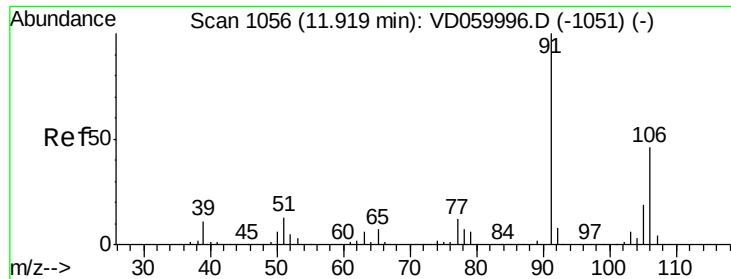
#68
m/p-Xylenes
Concen: 44.64 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion:106 Resp: 952745
Ion Ratio Lower Upper
106 100
91 200.3 157.0 235.6



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

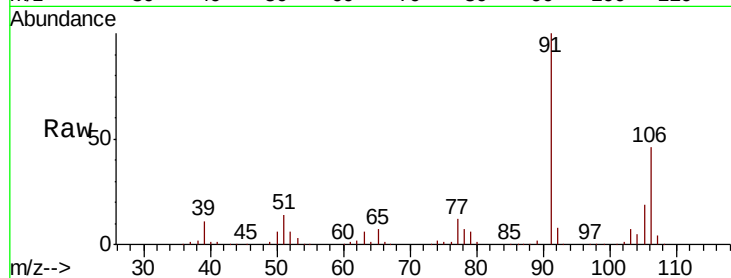




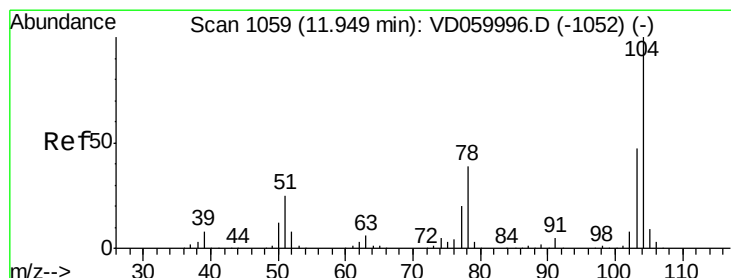
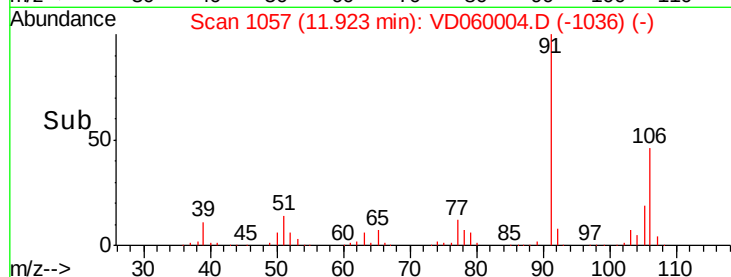
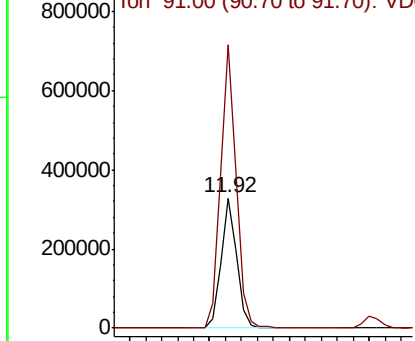
#69
o-Xylene
Concen: 21.55 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

Tot Ion:106 Resp: 455739
Ion Ratio Lower Upper
106 100
91 217.4 107.7 323.1

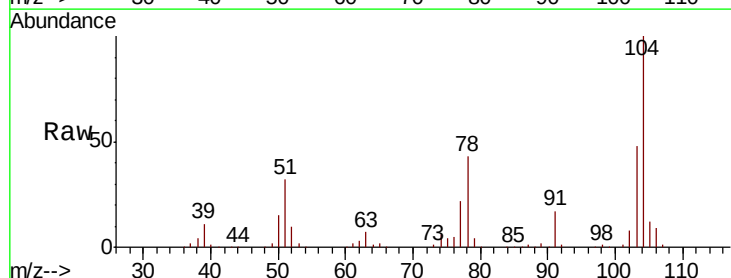


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

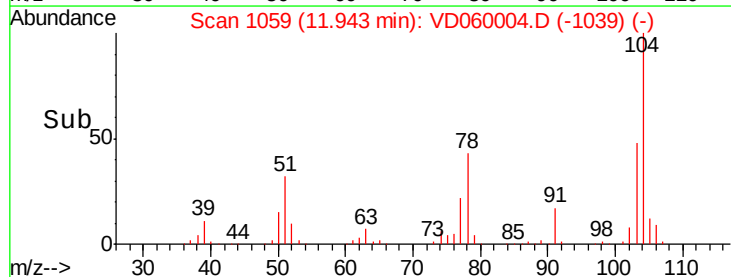
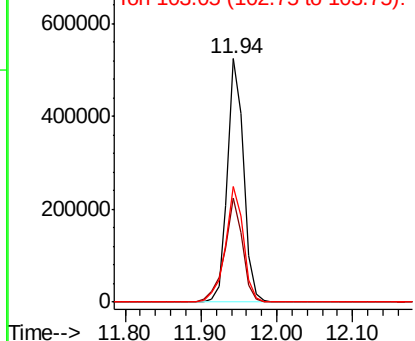


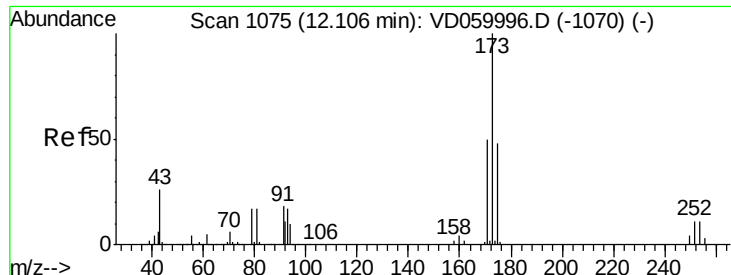
#70
Styrene
Concen: 21.76 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion:104 Resp: 773658
Ion Ratio Lower Upper
104 100
78 42.7 31.0 46.4
103 47.7 37.6 56.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 18.95 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

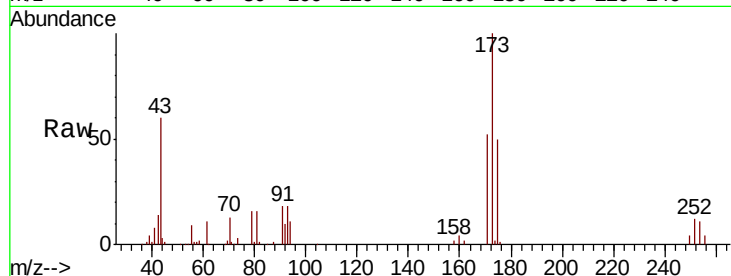
Tot Ion:173 Resp: 197168

Ion Ratio Lower Upper

173 100

175 50.3 24.0 72.0

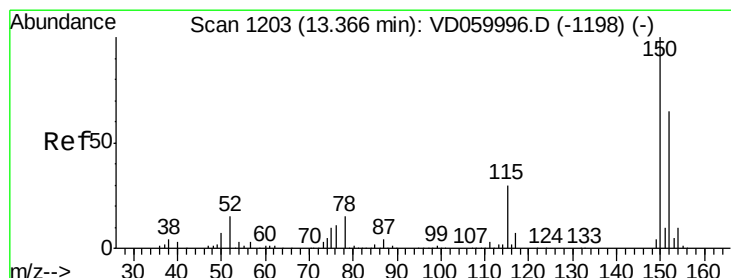
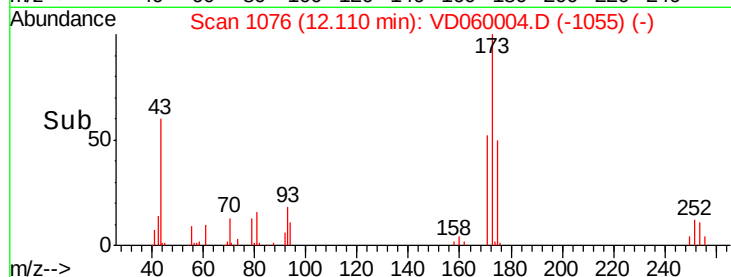
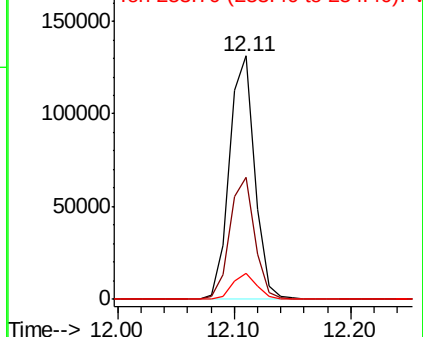
254 10.8 8.6 13.0



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: 50.00 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

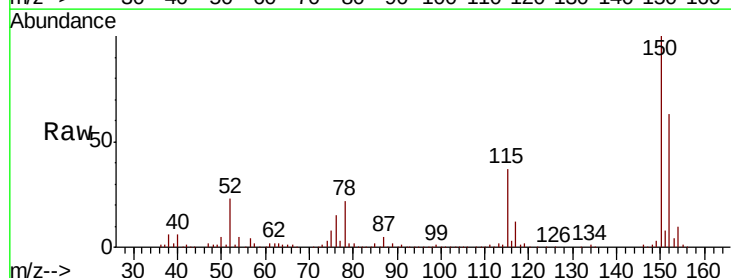
Tgt Ion:152 Resp: 873984

Ion Ratio Lower Upper

152 100

115 57.8 24.6 73.8

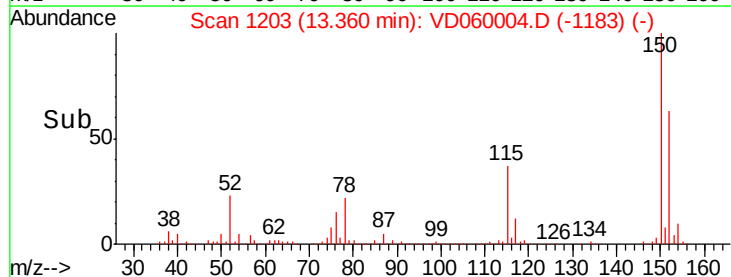
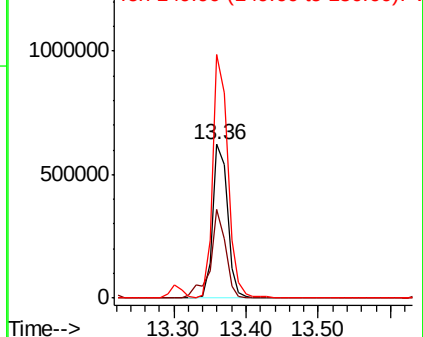
150 158.2 0.0 313.4

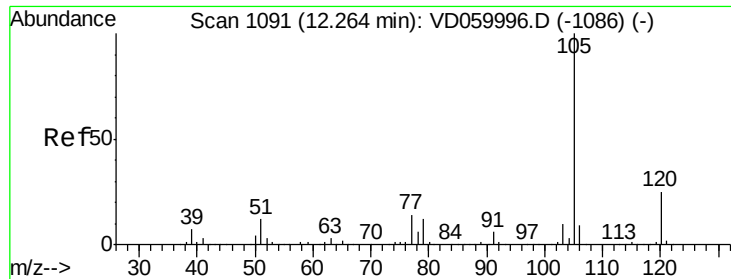


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.24 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

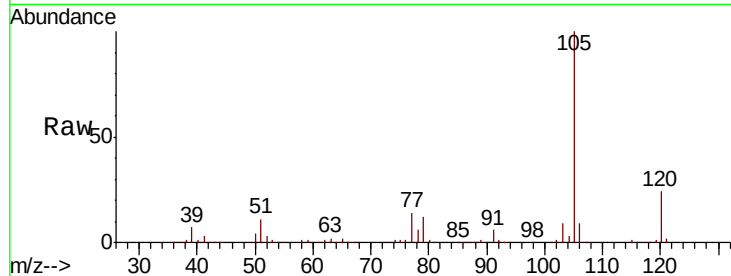
VD0914SBSD01

Tot Ion:105 Resp: 1217606

Ion Ratio Lower Upper

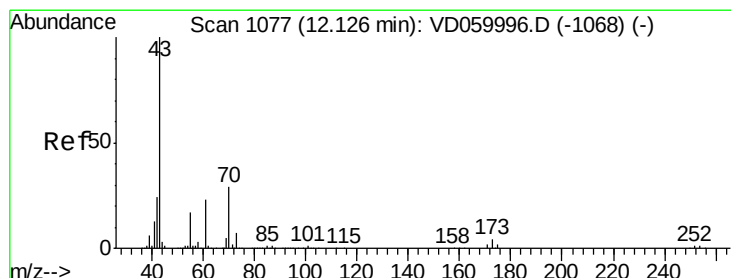
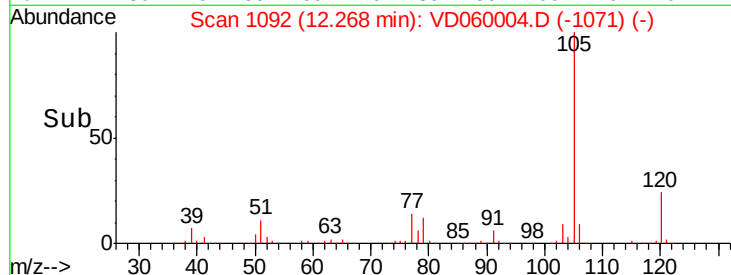
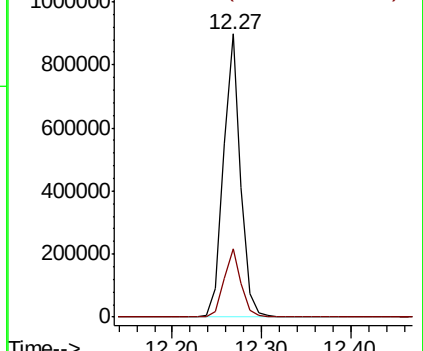
105 100

120 24.1 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.56 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Tgt Ion: 43 Resp: 466785

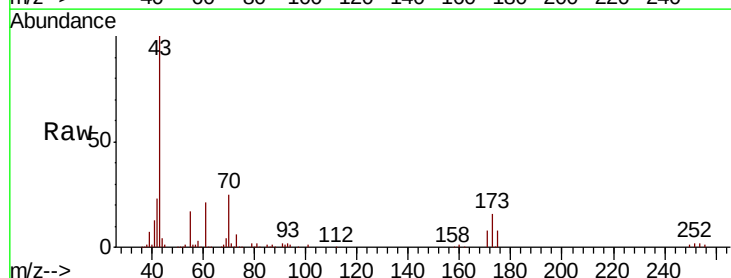
Ion Ratio Lower Upper

43 100

70 25.1 22.9 34.3

55 16.6 14.0 21.0

61 20.9 18.7 28.1

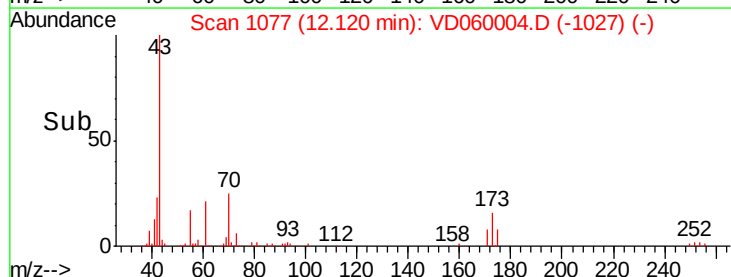
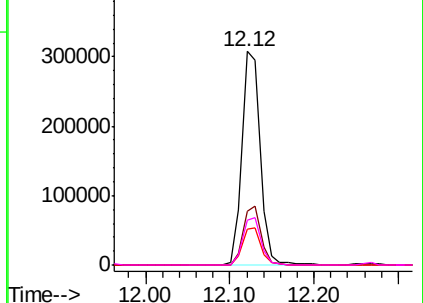


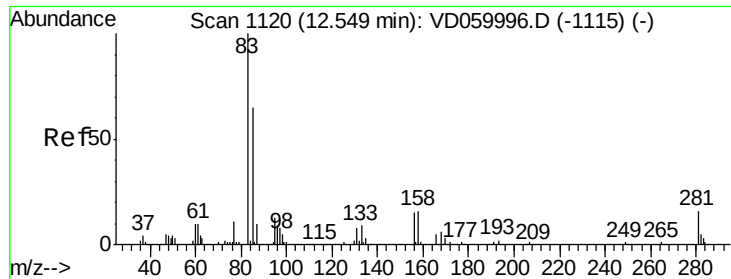
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.45 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

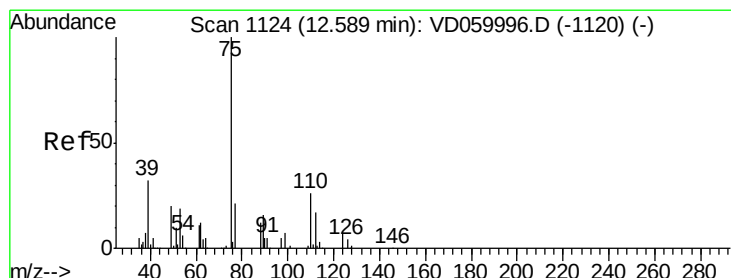
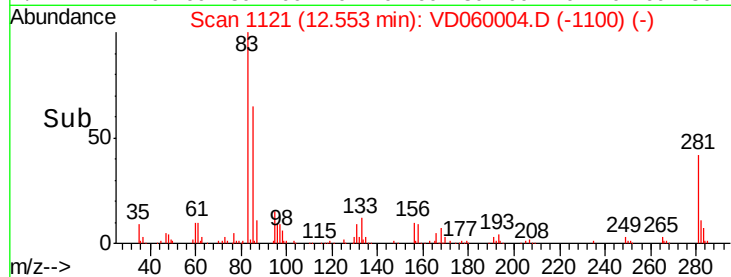
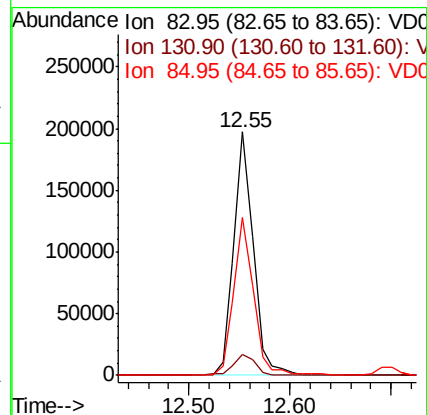
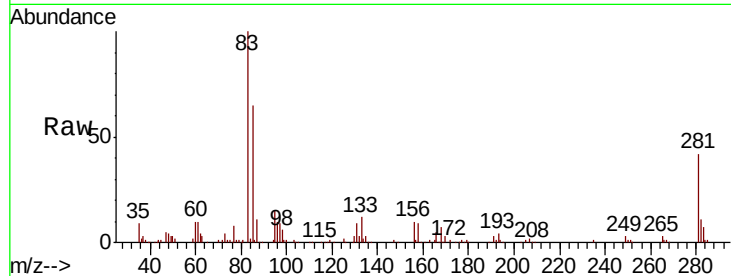
Tot Ion: 83 Resp: 265983

Ion Ratio Lower Upper

83 100

131 8.7 4.1 12.3

85 65.0 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 20.33 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VD060004.D

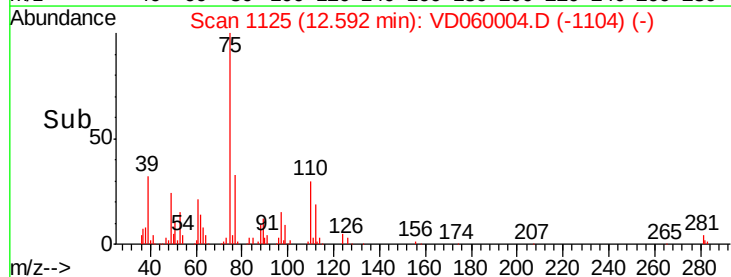
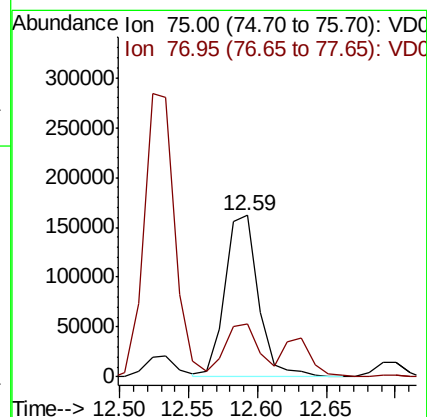
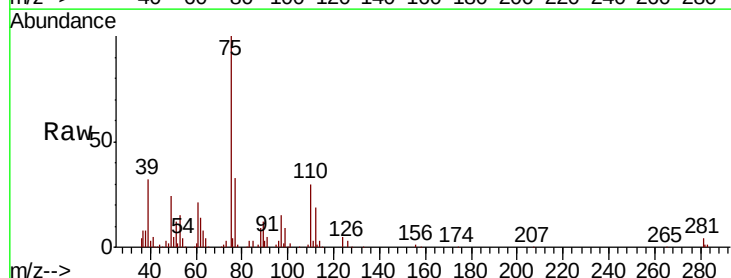
Acq: 14 Sep 2018 12:25

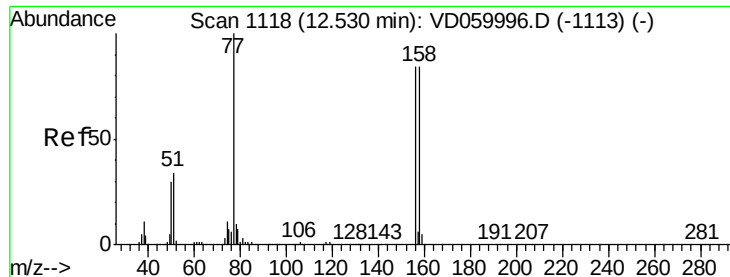
Tgt Ion: 75 Resp: 271428

Ion Ratio Lower Upper

75 100

77 33.0 16.4 49.4

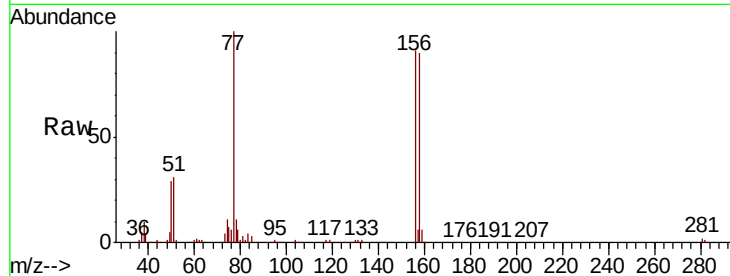




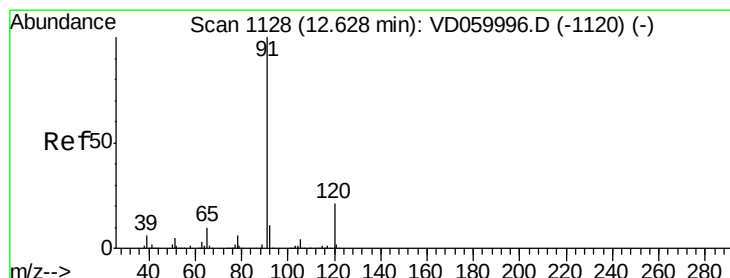
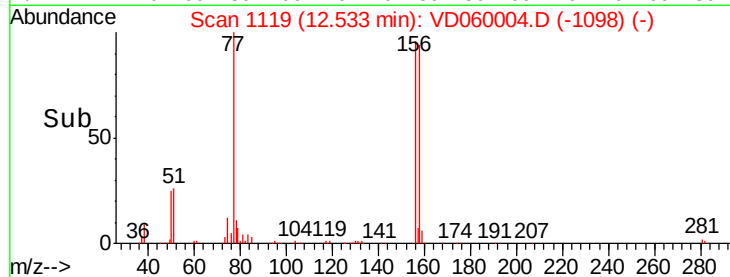
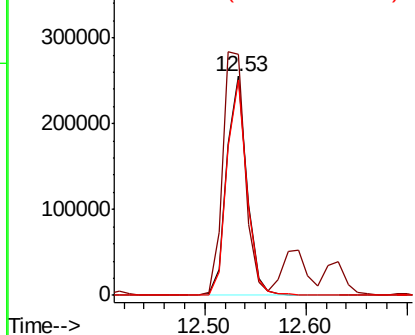
#77
Bromobenzene
Concen: 21.39 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

Tot Ion:156 Resp: 353171
Ion Ratio Lower Upper
156 100
77 109.9 59.5 178.4
158 98.5 50.0 149.8

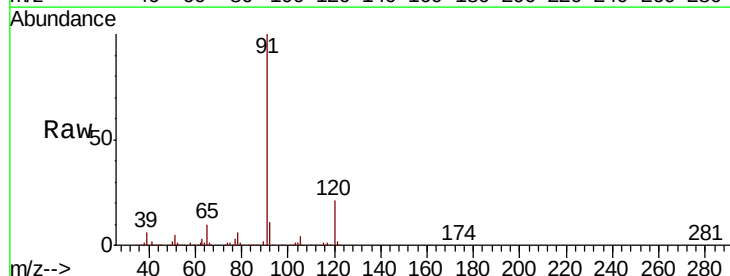


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

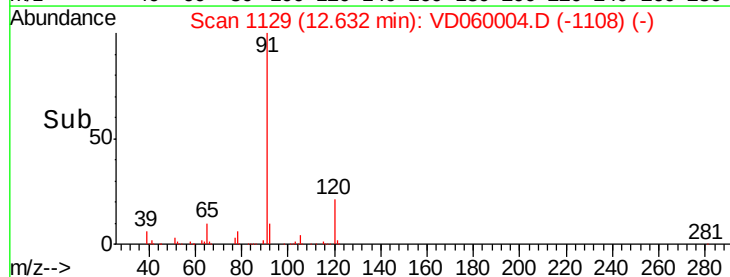
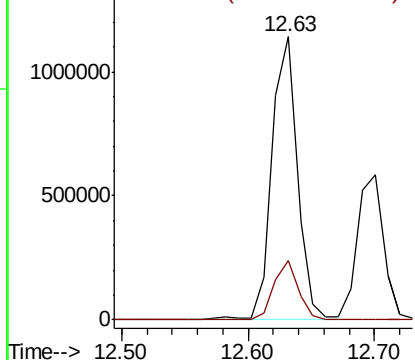


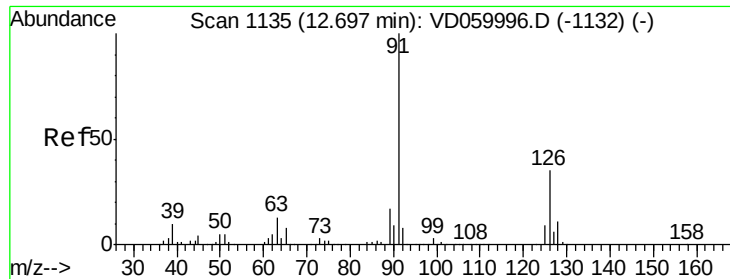
#78
n-propylbenzene
Concen: 22.39 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion: 91 Resp: 1613570
Ion Ratio Lower Upper
91 100
120 21.1 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.84 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

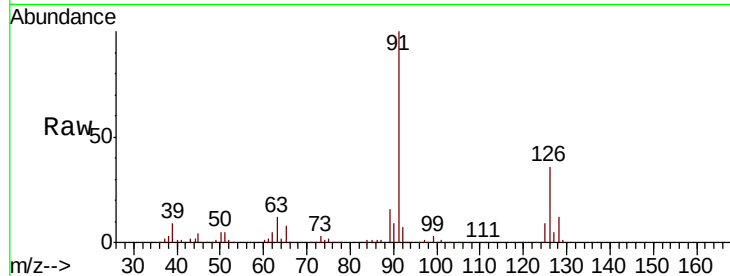
VD0914SBSD01

Tot Ion: 91 Resp: 847703

Ion Ratio Lower Upper

91 100

126 36.0 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

12.70

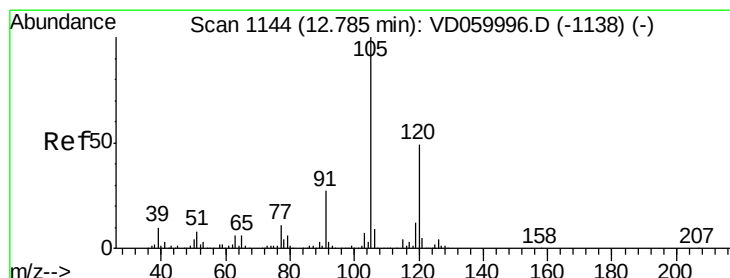
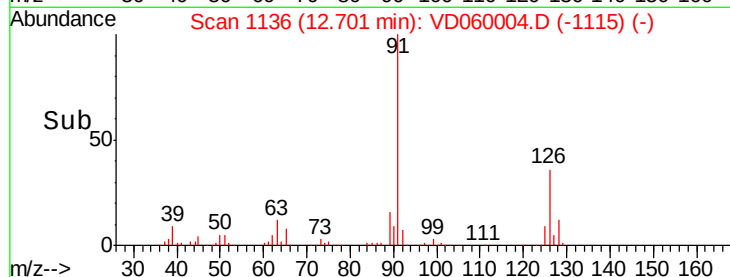
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.48 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060004.D

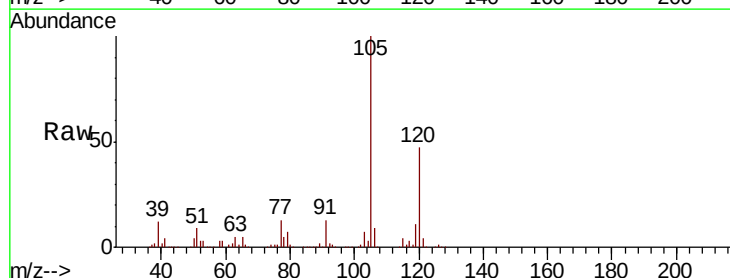
Acq: 14 Sep 2018 12:25

Tgt Ion:105 Resp: 987804

Ion Ratio Lower Upper

105 100

120 46.7 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.78

800000

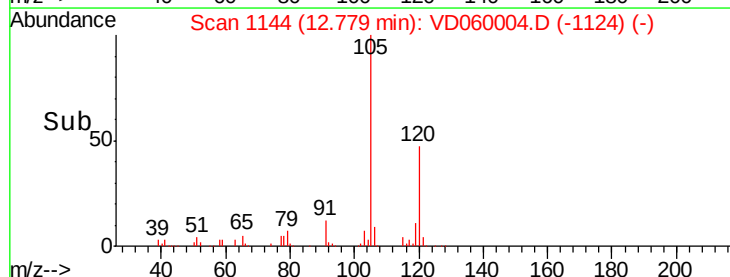
600000

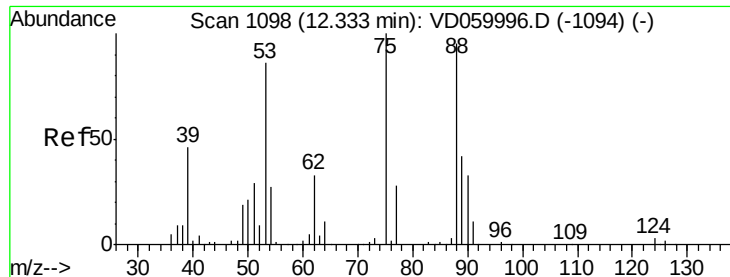
400000

200000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.16 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBSD01

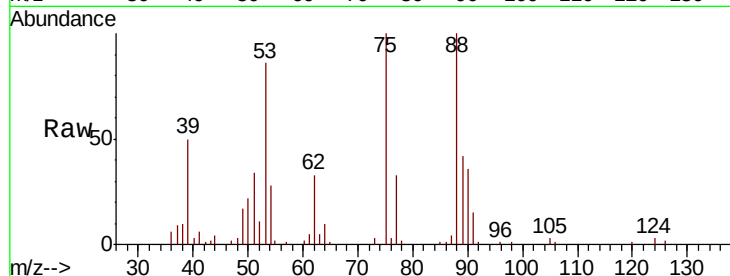
Tot Ion: 75 Resp: 77200

Ion Ratio Lower Upper

75 100

53 86.4 68.4 102.6

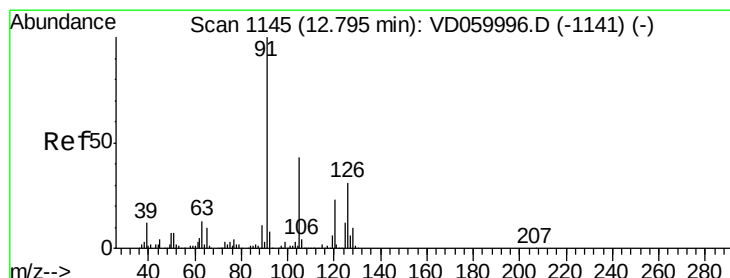
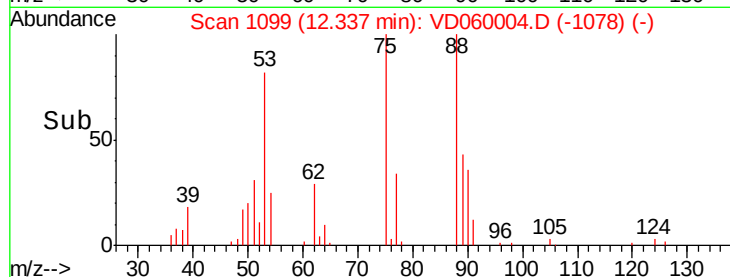
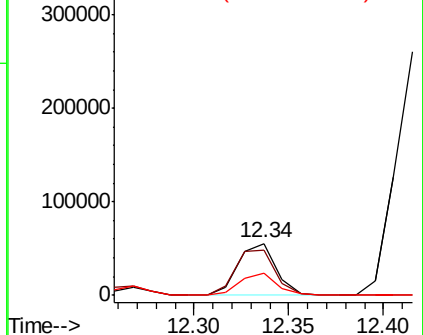
89 42.4 33.8 50.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.54 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060004.D

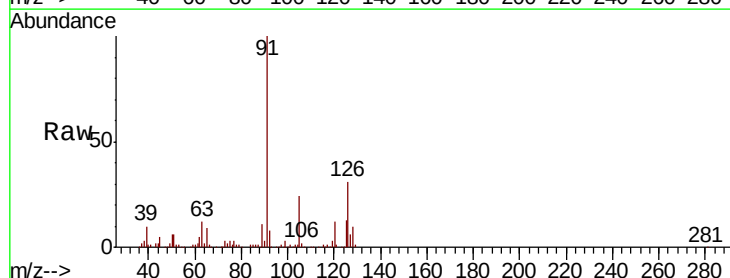
Acq: 14 Sep 2018 12:25

Tgt Ion: 91 Resp: 1008264

Ion Ratio Lower Upper

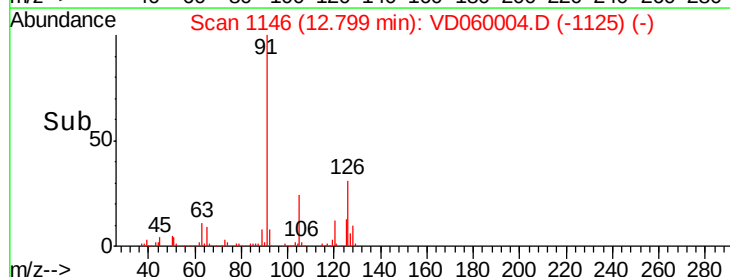
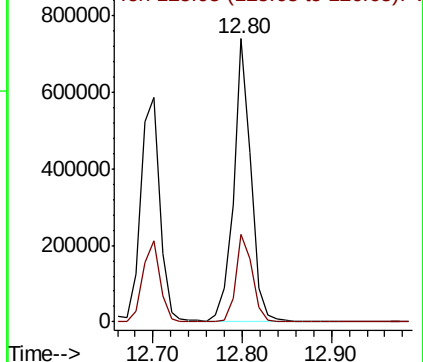
91 100

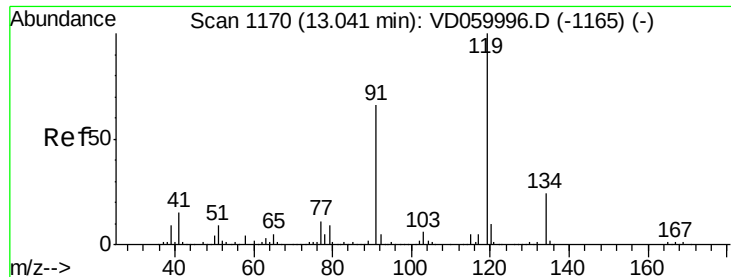
126 31.0 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

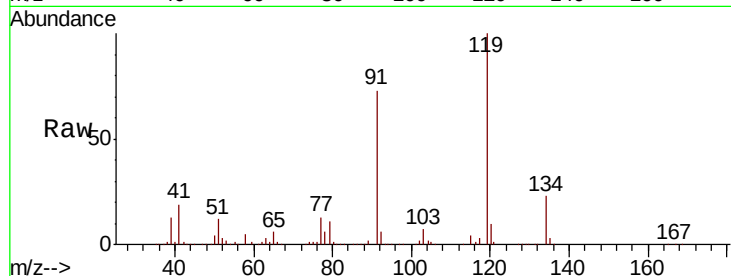




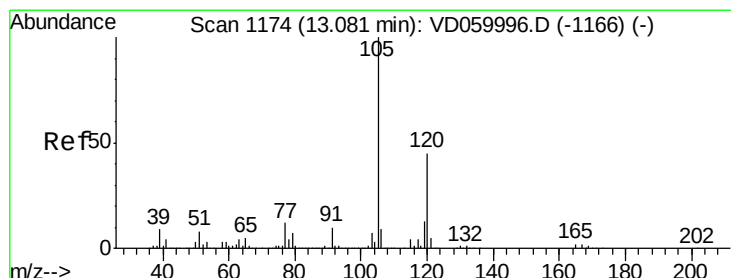
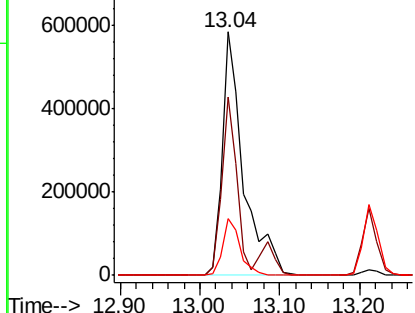
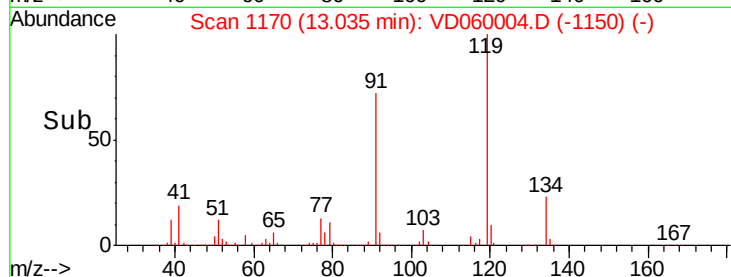
#83
 tert-Butylbenzene
 Concen: 21.41 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD01

Tot Ion:119 Resp: 1089790
 Ion Ratio Lower Upper
 119 100
 91 73.3 32.9 98.6
 134 23.3 12.0 36.0

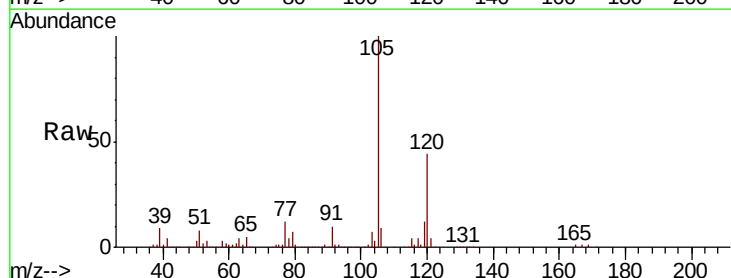


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

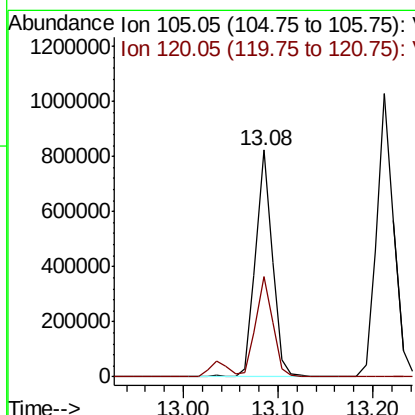
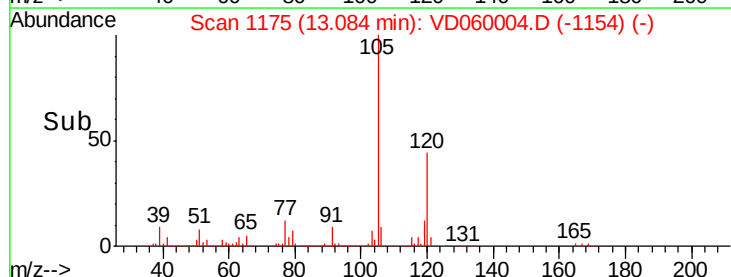


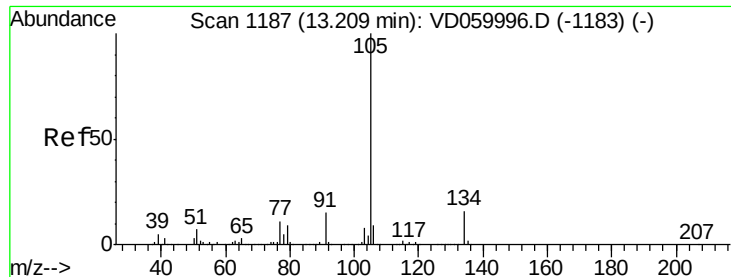
#84
 1,2,4-Trimethylbenzene
 Concen: 21.91 ug/l
 RT: 13.08 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion:105 Resp: 1027184
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.64 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

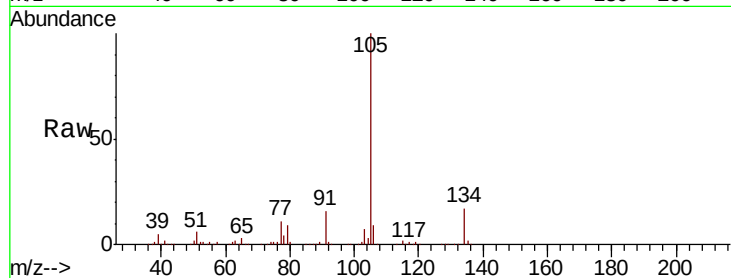
VD0914SBS01

Tot Ion:105 Resp: 1307262

Ion Ratio Lower Upper

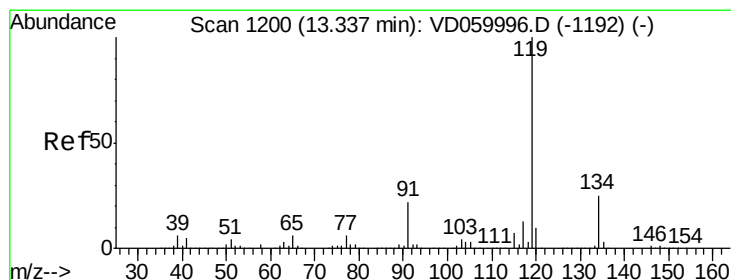
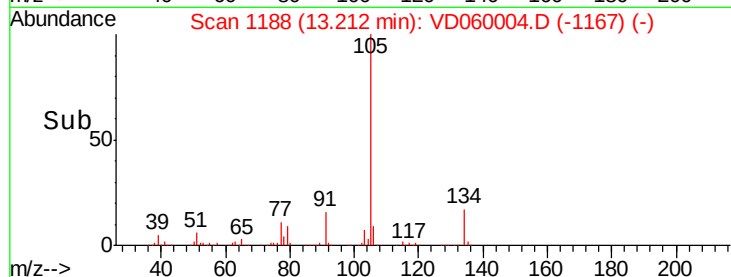
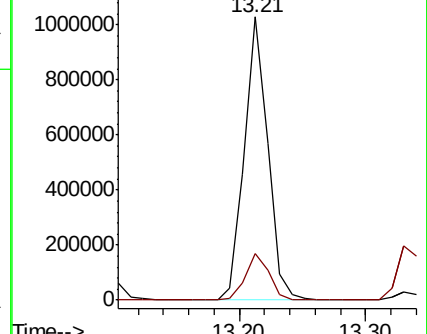
105 100

134 16.6 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.99 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

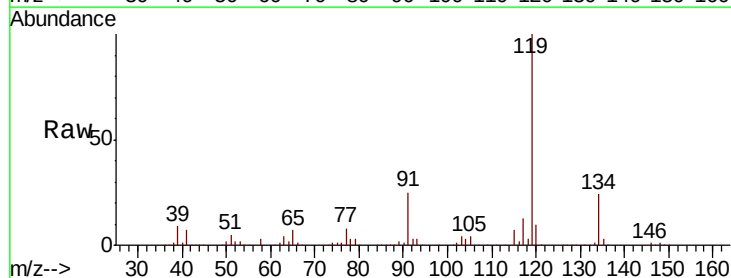
Tgt Ion:119 Resp: 1074335

Ion Ratio Lower Upper

119 100

134 23.7 12.8 38.3

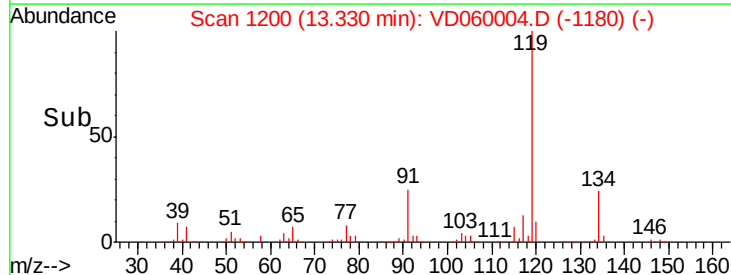
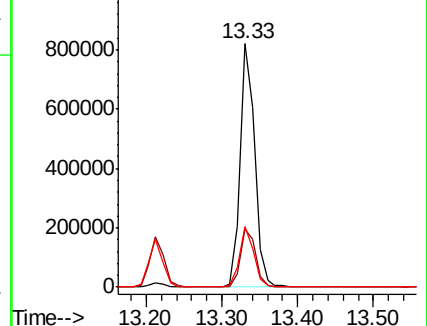
91 24.7 11.1 33.3

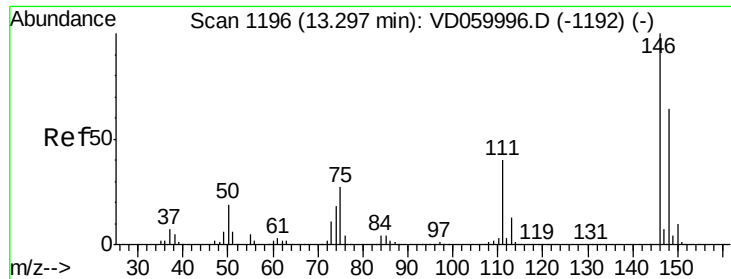


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

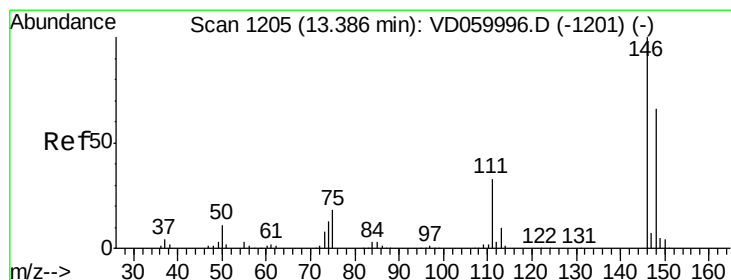
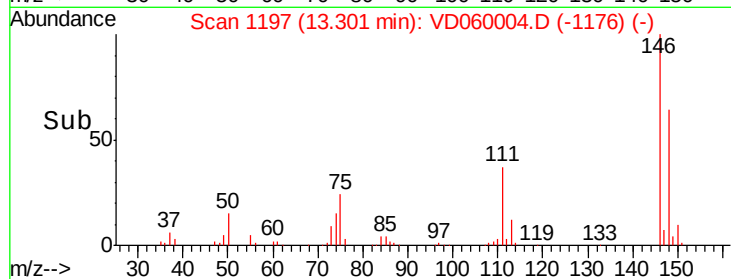
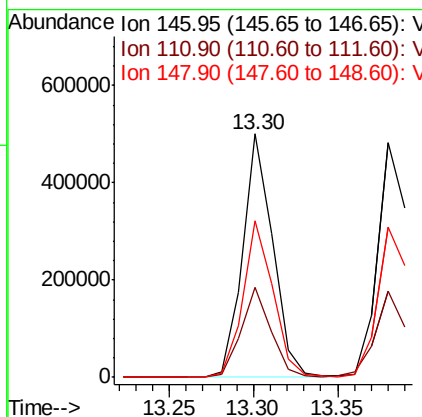
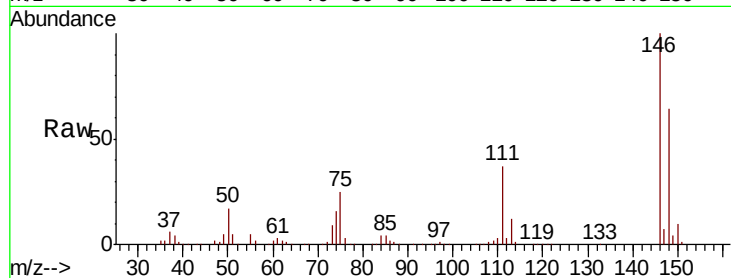




#87
 1,3-Dichlorobenzene
 Concen: 21.61 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

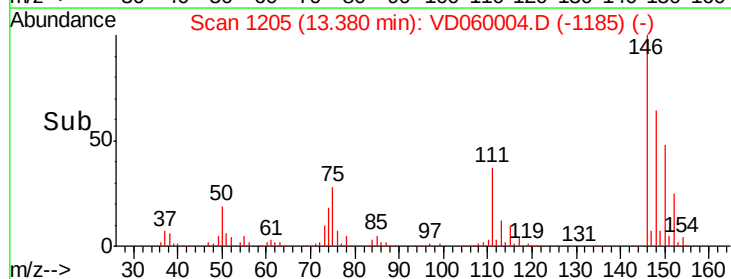
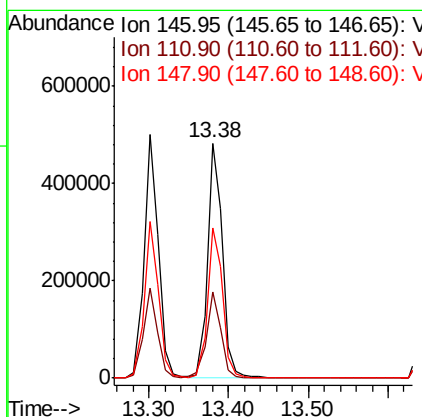
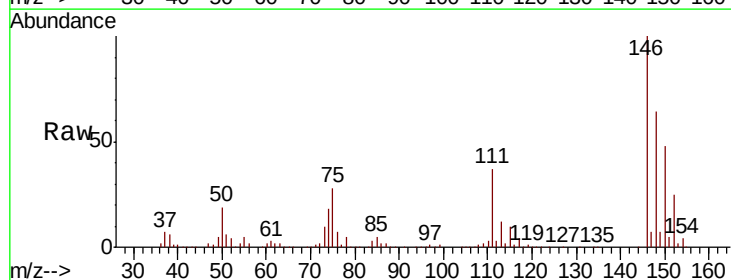
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

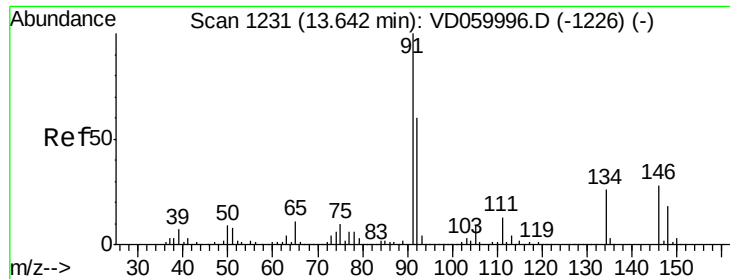
Tot Ion:146 Resp: 620595
 Ion Ratio Lower Upper
 146 100
 111 36.9 20.2 60.5
 148 64.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.44 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion:146 Resp: 624360
 Ion Ratio Lower Upper
 146 100
 111 36.9 16.7 50.0
 148 64.2 32.9 98.6

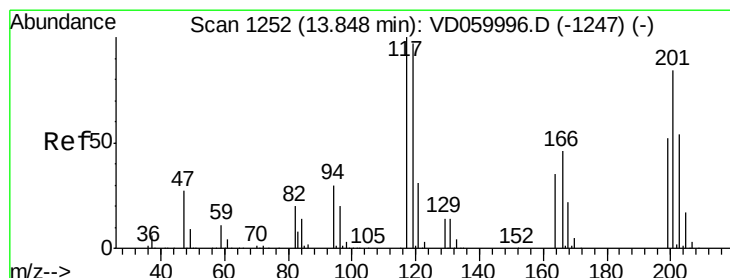
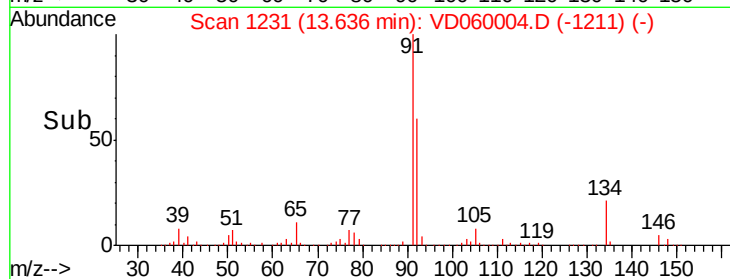
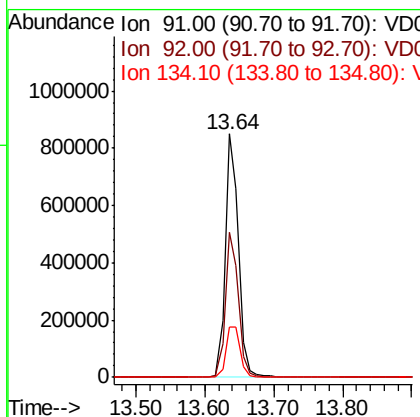
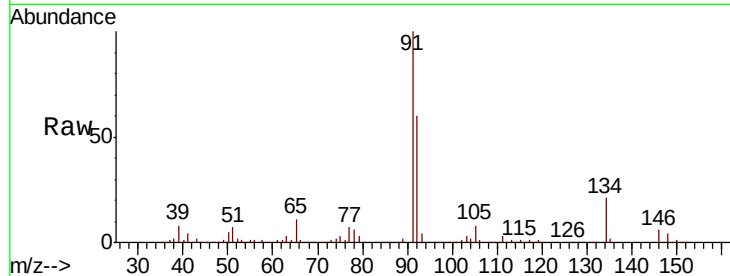




#89
n-Butylbenzene
Concen: 21.47 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

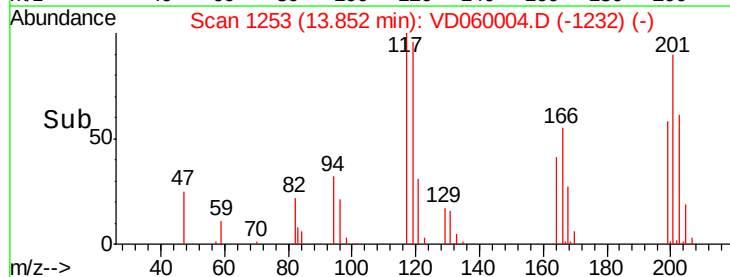
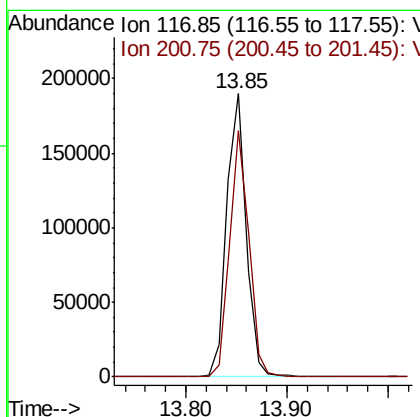
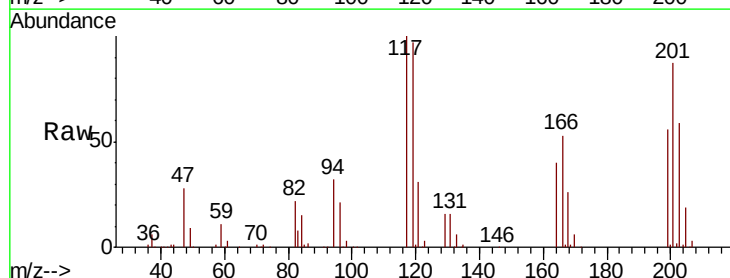
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

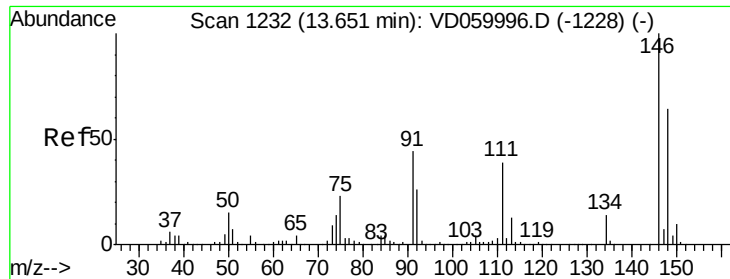
Tot Ion: 91 Resp: 1126312
Ion Ratio Lower Upper
91 100
92 59.5 29.8 89.3
134 20.6 13.2 39.6



#90
Hexachloroethane
Concen: 21.03 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion: 117 Resp: 254478
Ion Ratio Lower Upper
117 100
201 87.2 42.1 126.4

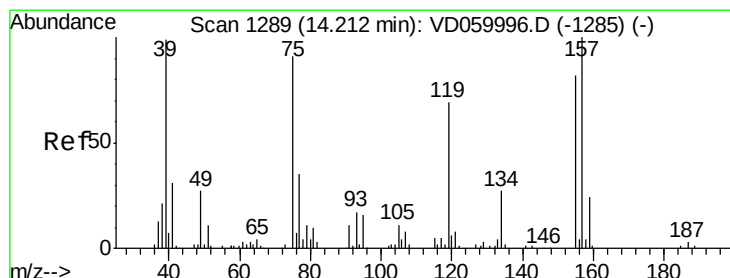
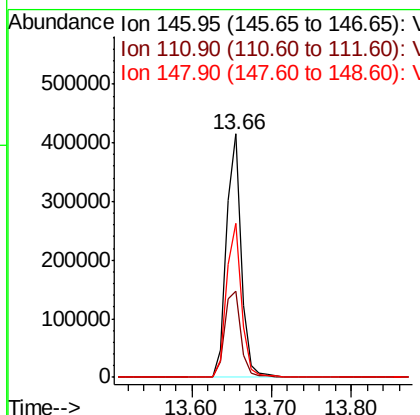
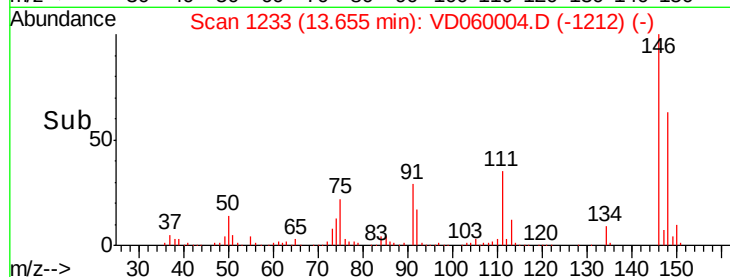
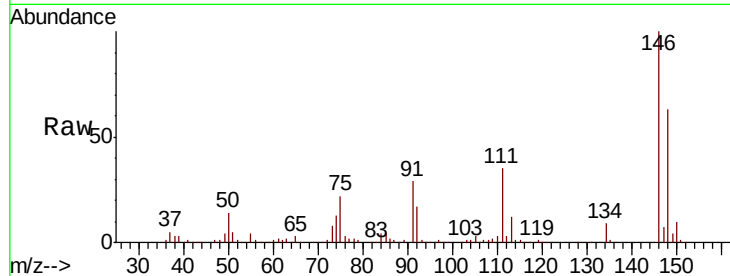




#91
 1,2-Dichlorobenzene
 Concen: 20.70 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

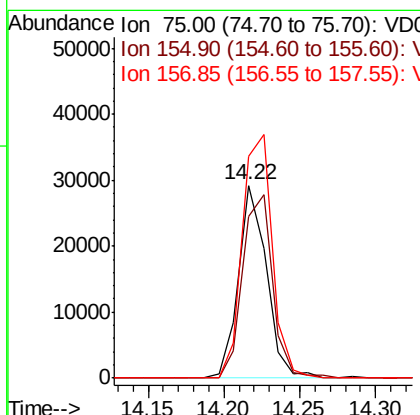
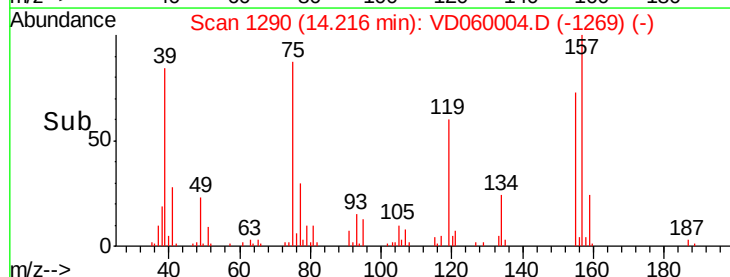
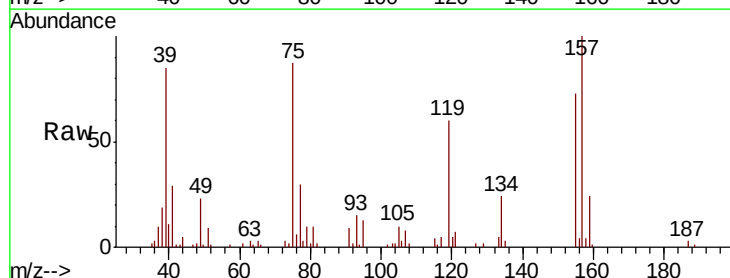
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD01

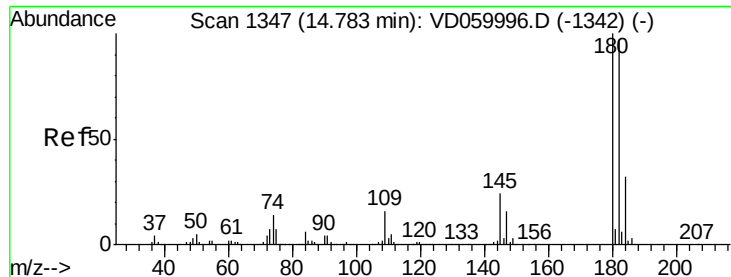
Tot Ion:146 Resp: 549025
 Ion Ratio Lower Upper
 146 100
 111 35.4 19.6 58.7
 148 63.5 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.85 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion: 75 Resp: 37362
 Ion Ratio Lower Upper
 75 100
 155 84.1 44.7 134.1
 157 114.7 54.7 164.1

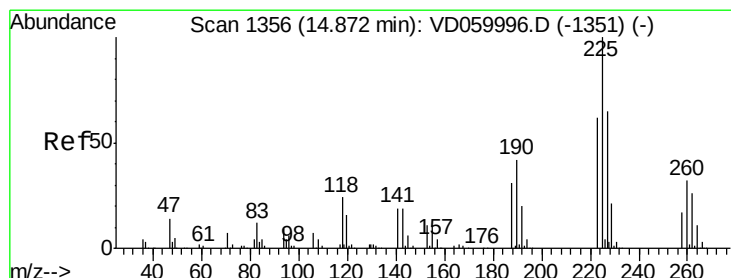
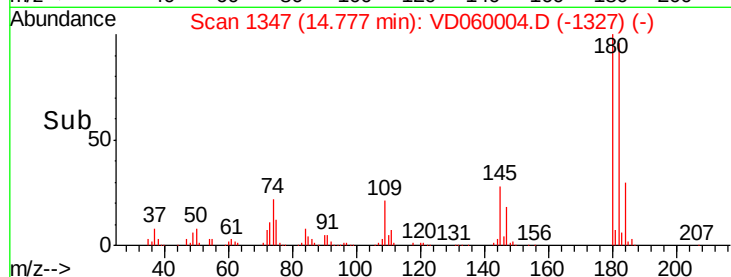
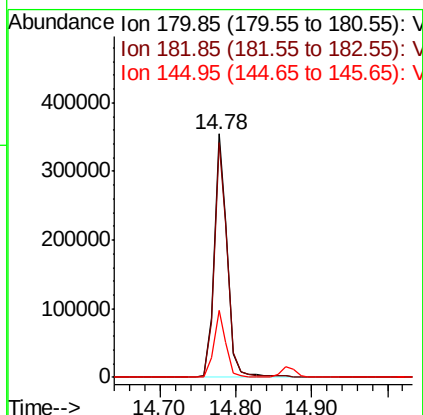
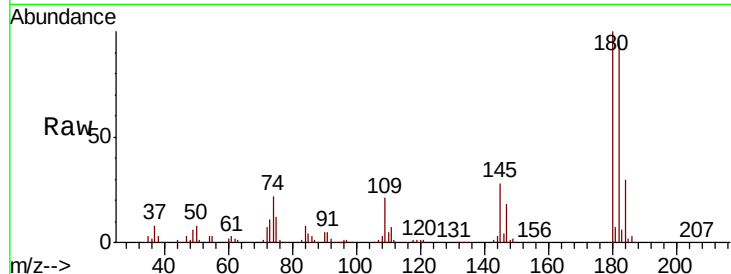




#93
 1,2,4-Trichlorobenzene
 Concen: 21.39 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

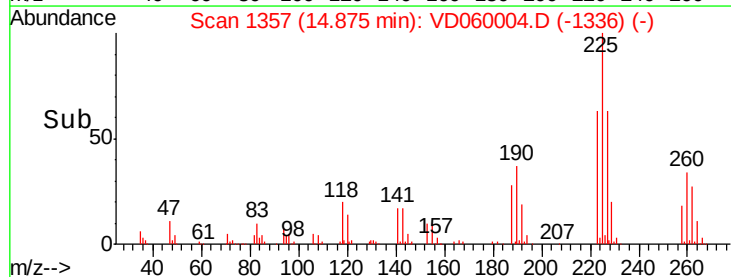
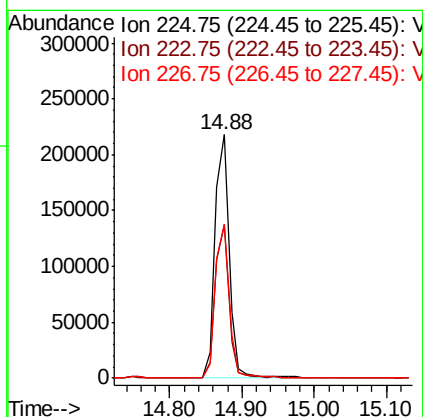
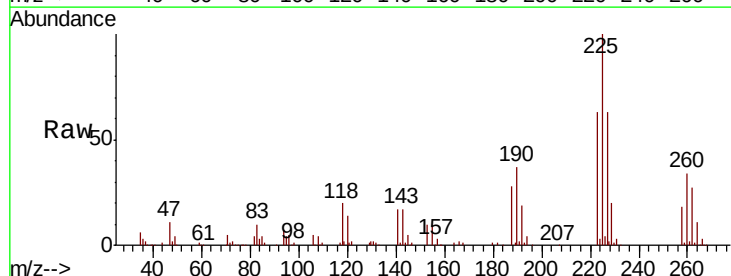
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD01

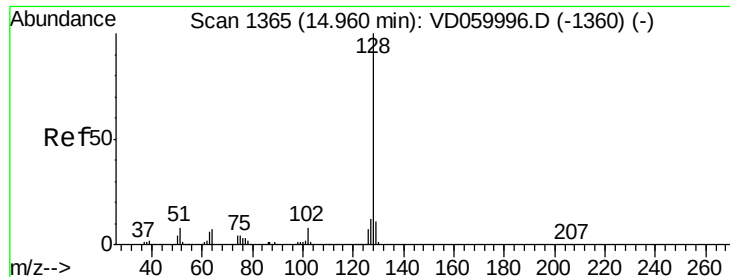
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.5	145.6
145	27.7	11.9	35.7



#94
 Hexachlorobutadiene
 Concen: 21.79 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.2	93.6
227	63.3	32.3	96.8

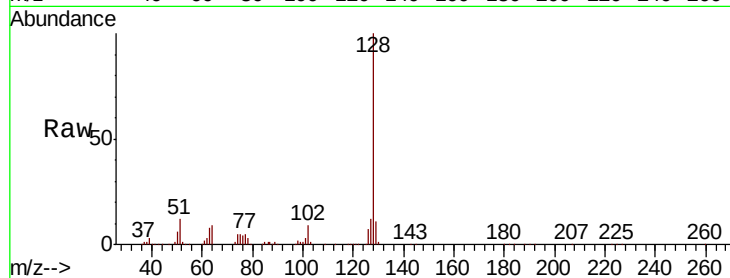




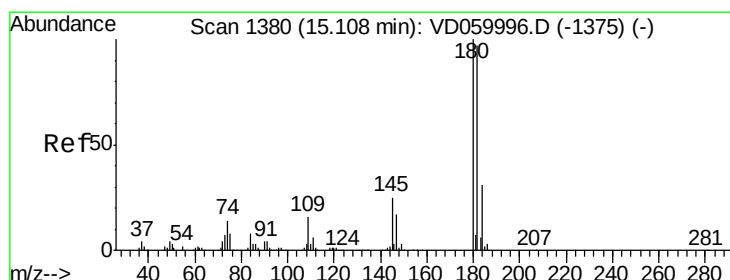
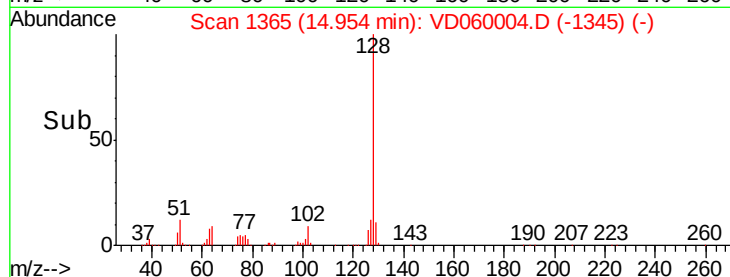
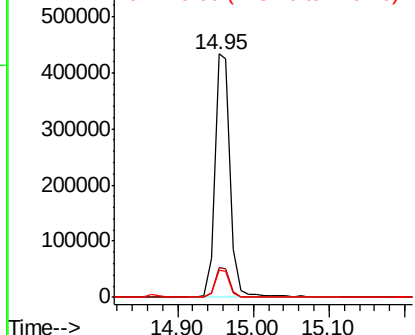
#95
Naphthalene
Concen: 19.82 ug/l
RT: 14.95 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

Tot Ion:128 Resp: 626452
Ion Ratio Lower Upper
128 100
127 12.2 9.7 14.5
129 11.4 8.9 13.3

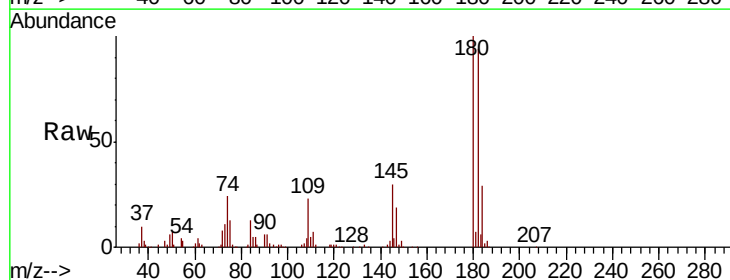


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.33 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion:180 Resp: 366509
Ion Ratio Lower Upper
180 100
182 94.3 48.6 145.9
145 30.1 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

