

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058253.D
 Acq On : 21 Jun 2018 15:34
 Operator : VA/AP
 Sample : J3603-01
 Misc : 4.67g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-1

Quant Time: Jun 22 06:15:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	30558	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	39228	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	35852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	14426	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	23166	75.05	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	150.10%	
35) Dibromofluoromethane	5.56	113	19854	62.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	124.36%	
50) Toluene-d8	8.72	98	41627	53.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.78%	
62) 4-Bromofluorobenzene	11.94	95	15895	50.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.74%	

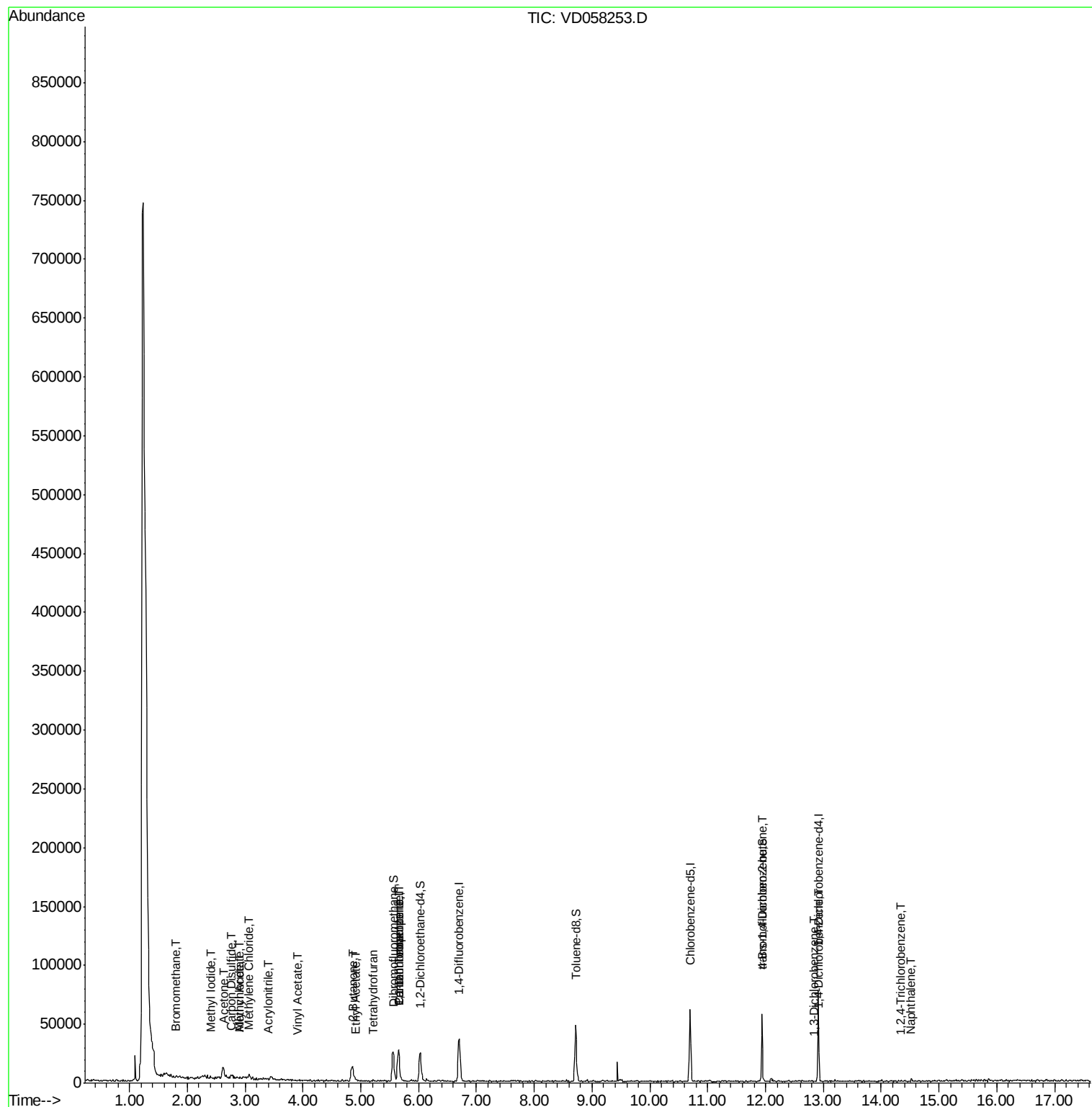
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.50	50	261	Below Cal	#	43
5) Bromomethane	1.81	94	242	3.573	ug/l #	3
10) Methyl Iodide	2.42	142	183	1.153	ug/l #	28
14) Allyl chloride	2.91	41	552	2.259	ug/l #	81
15) Acrylonitrile	3.40	53	250	9.262	ug/l #	14
16) Acetone	2.61	43	22397	530.591	ug/l	95
17) Carbon Disulfide	2.76	76	503	1.408	ug/l #	76
18) Methyl Acetate	2.92	43	513	5.699	ug/l #	65
20) Methylene Chloride	3.08	84	1257	7.341	ug/l #	71
23) Vinyl Acetate	3.91	43	533	1.025	ug/l #	82
25) 2-Butanone	4.86	43	5981	65.010	ug/l #	60
29) Tetrahydrofuran	5.21	42	247	5.044	ug/l #	37
36) 1,1-Dichloropropene	5.66	75	2611	6.728	ug/l #	43
37) Ethyl Acetate	4.93	43	604	2.732	ug/l #	72
38) Carbon Tetrachloride	5.66	117	2622	6.800	ug/l #	11
81) trans-1,4-Dichloro-2-buten	11.94	75	7325	142.594	ug/l #	1
87) 1,3-Dichlorobenzene	12.84	146	456	1.015	ug/l #	25
88) 1,4-Dichlorobenzene	12.93	146	502	1.145	ug/l #	25
93) 1,2,4-Trichlorobenzene	14.34	180	485	1.327	ug/l #	84
95) Naphthalene	14.52	128	1178	2.447	ug/l #	70

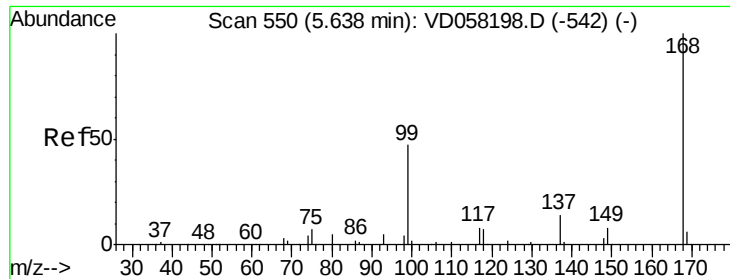
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058253.D

Acq: 21 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

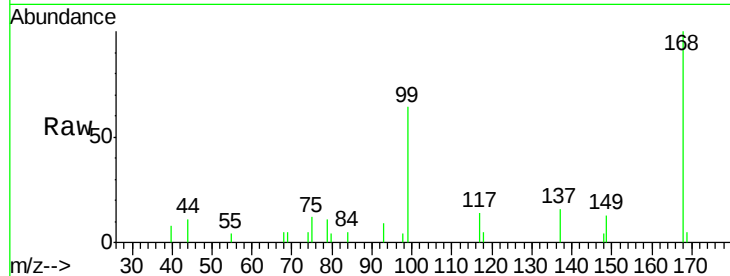
26KV-TP-1

Tot Ion:168 Resp: 30558

Ion Ratio Lower Upper

168 100

99 64.2 41.1 61.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

10000

8000

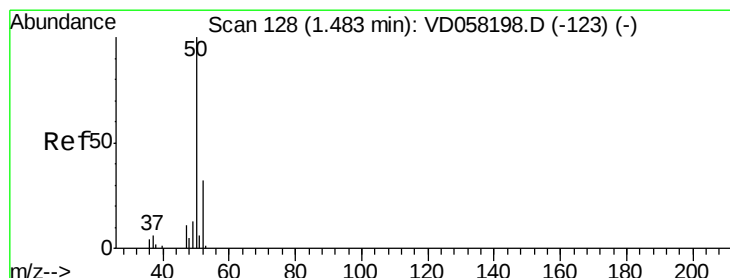
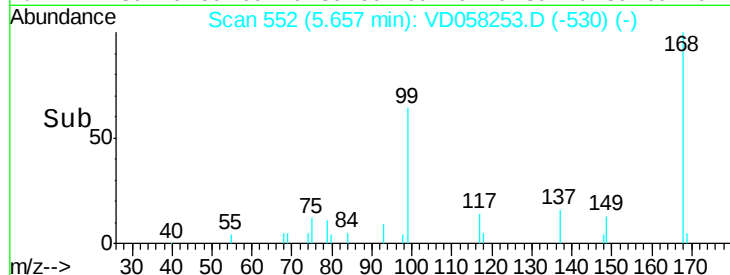
6000

4000

2000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.50 min Scan# 130

Delta R.T. 0.02 min

Lab File: VD058253.D

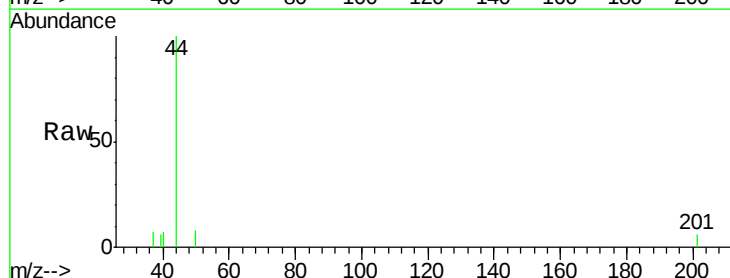
Acq: 21 Jun 2018 15:34

Tgt Ion: 50 Resp: 261

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.50

500

400

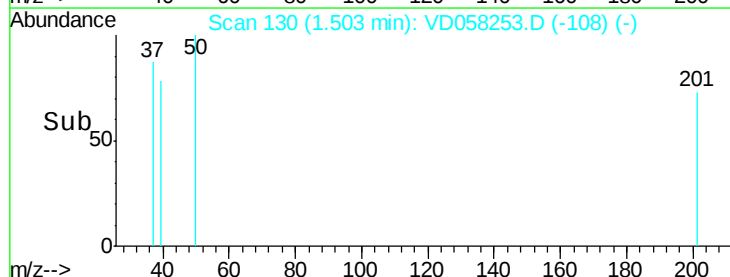
300

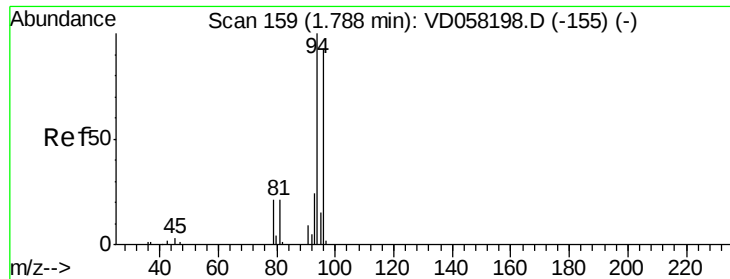
200

100

0

Time-->





#5

Bromomethane

Concen: 3.573 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD058253.D

Acq: 21 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

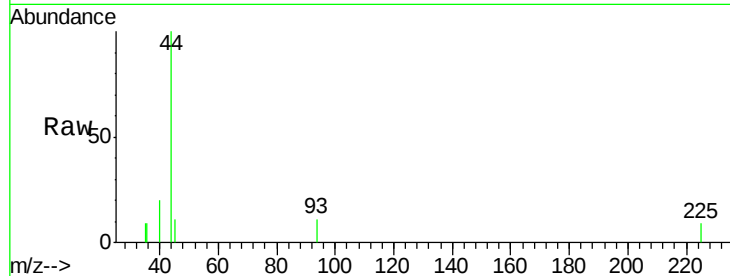
26KV-TP-1

Tot Ion: 94 Resp: 242

Ion Ratio Lower Upper

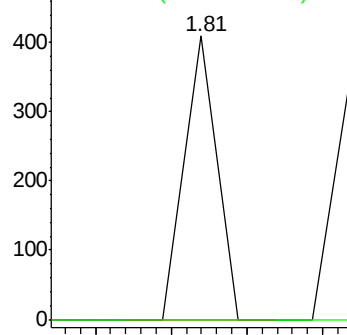
94 100

96 0.0 74.2 111.2#

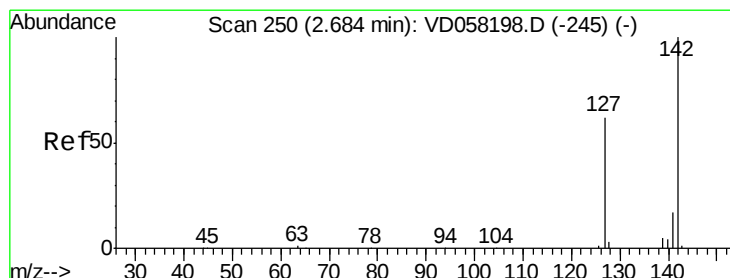
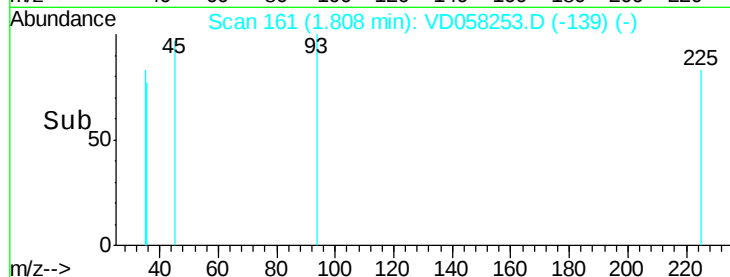


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#10

Methyl Iodide

Concen: 1.153 ug/l

RT: 2.42 min Scan# 223

Delta R.T. -0.27 min

Lab File: VD058253.D

Acq: 21 Jun 2018 15:34

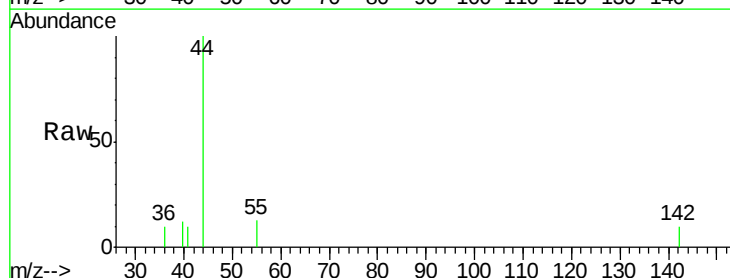
Tgt Ion: 142 Resp: 183

Ion Ratio Lower Upper

142 100

127 0.0 49.4 74.0#

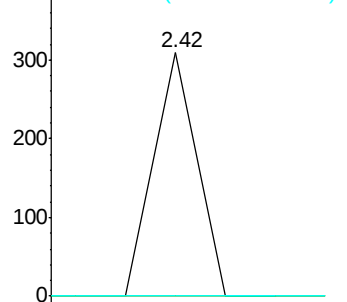
141 0.0 13.5 20.3#



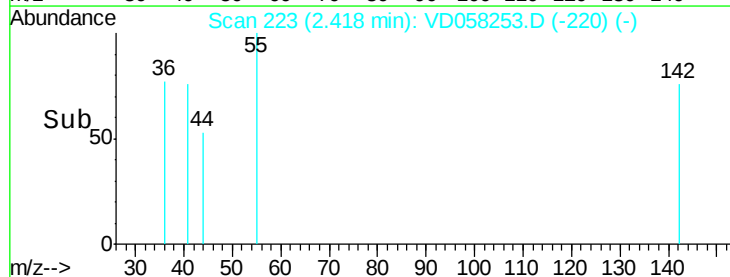
Abundance Ion 141.85 (141.55 to 142.55): V

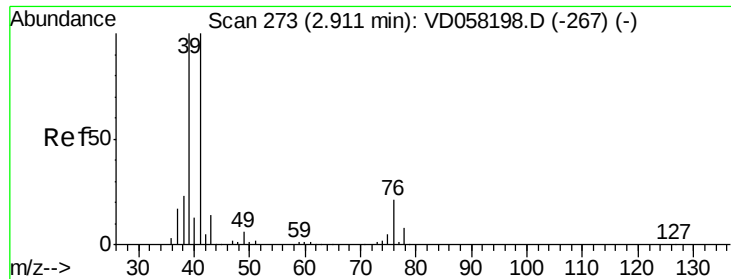
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



Time-->

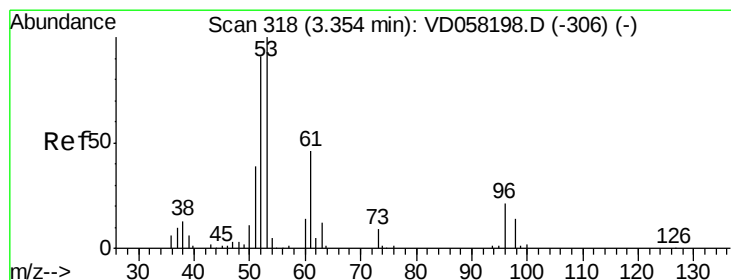
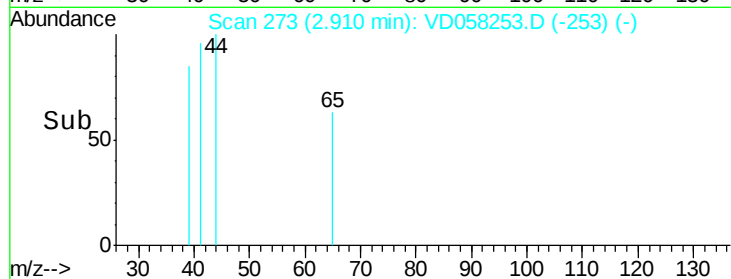
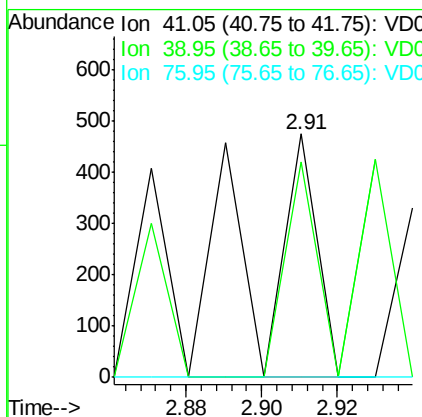
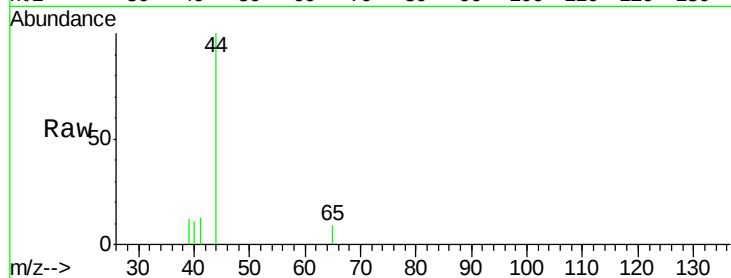




#14
Allvl chloride
Concen: 2.259 ug/l
RT: 2.91 min Scan# 273
Delta R.T. -0.00 min
Lab File: VD058253.D
Acq: 21 Jun 2018 15:34

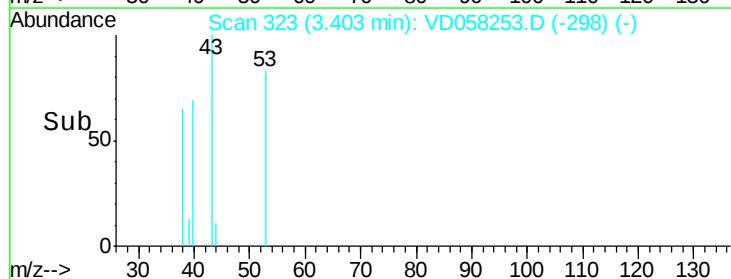
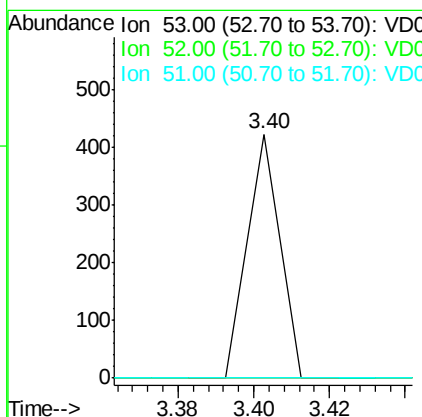
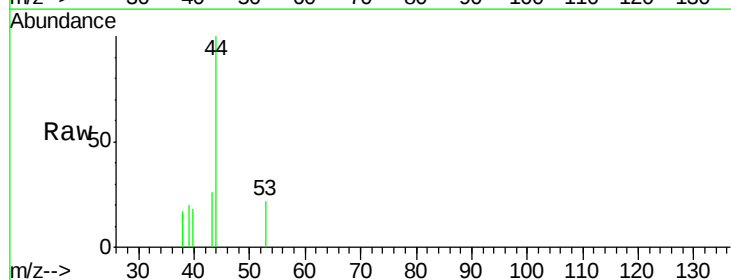
Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-1

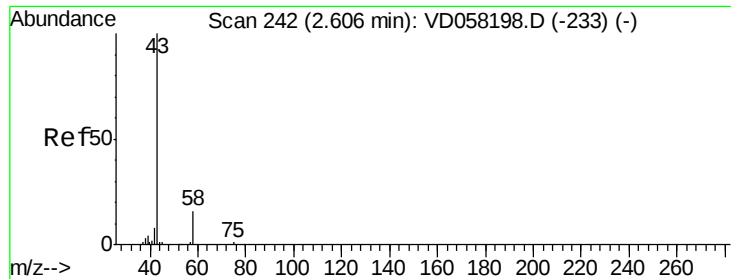
Tot Ion: 41 Resp: 552
Ion Ratio Lower Upper
41 100
39 88.7 80.1 120.1
76 0.0 19.4 29.2#



#15
Acrylonitrile
Concen: 9.262 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.05 min
Lab File: VD058253.D
Acq: 21 Jun 2018 15:34

Tgt Ion: 53 Resp: 250
Ion Ratio Lower Upper
53 100
52 0.0 72.6 108.8#
51 0.0 32.2 48.4#





#16

Acetone

Concen: 530.591 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058253.D

Acq: 21 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

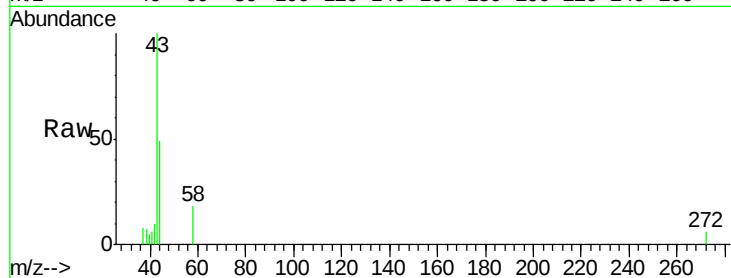
26KV-TP-1

Tot Ion: 43 Resp: 22397

Ion Ratio Lower Upper

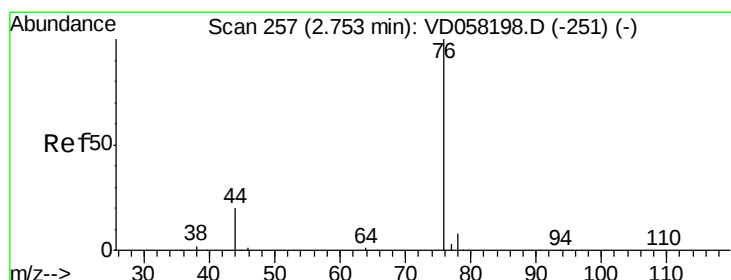
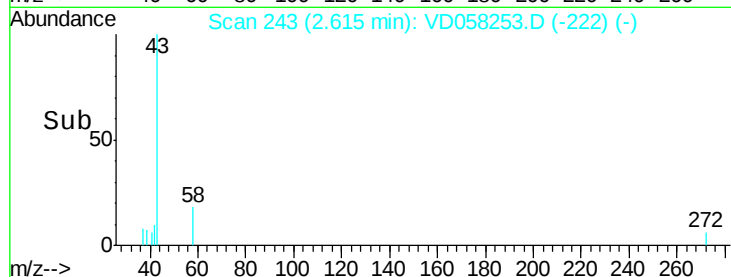
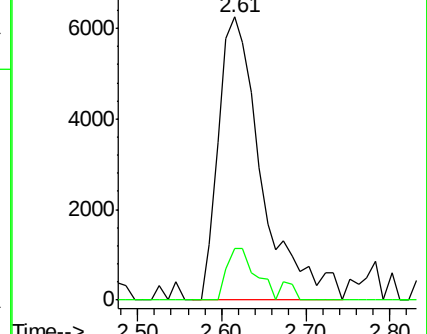
43 100

58 18.2 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 1.408 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD058253.D

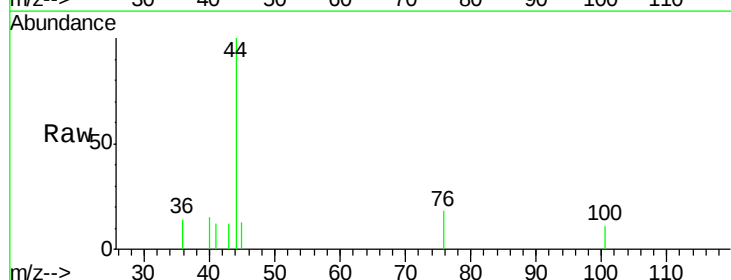
Acq: 21 Jun 2018 15:34

Tgt Ion: 76 Resp: 503

Ion Ratio Lower Upper

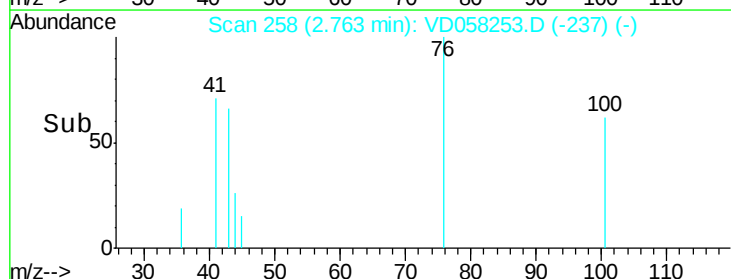
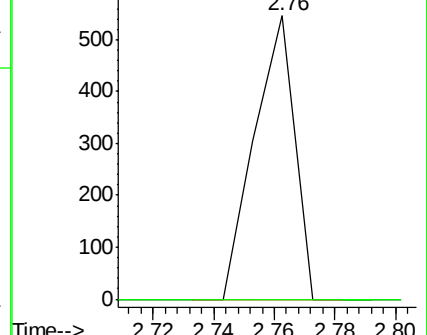
76 100

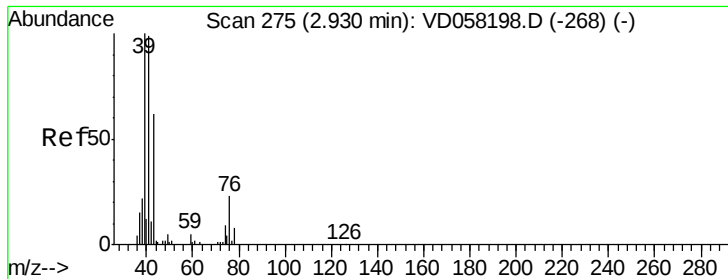
78 0.0 6.8 10.2#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

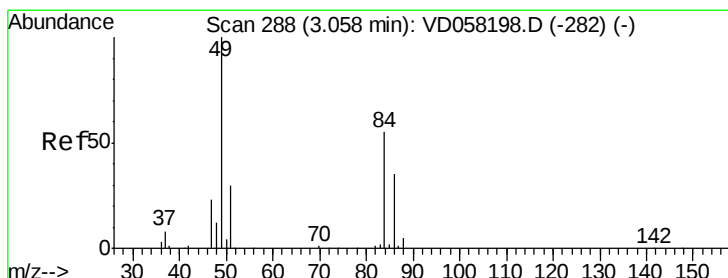
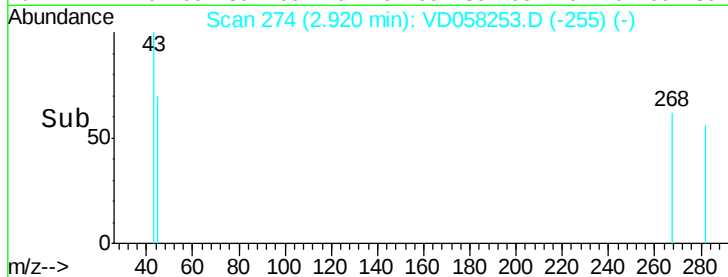
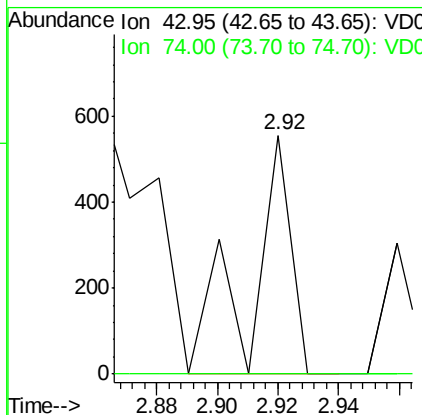
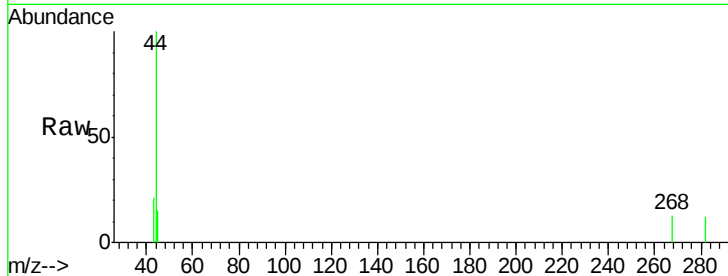




#18
Methyl Acetate
Concen: 5.699 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.01 min
Lab File: VD058253.D
Acq: 21 Jun 2018 15:34

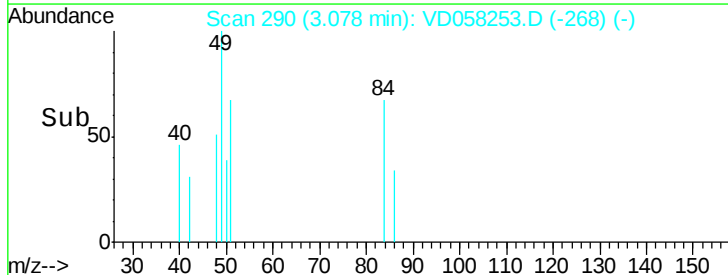
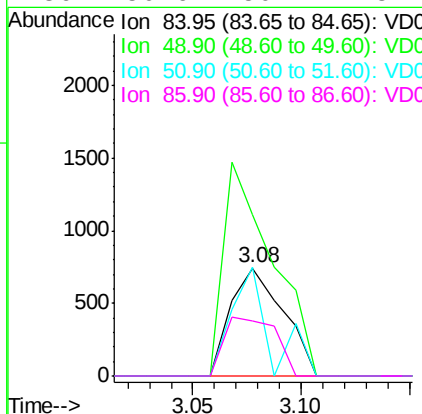
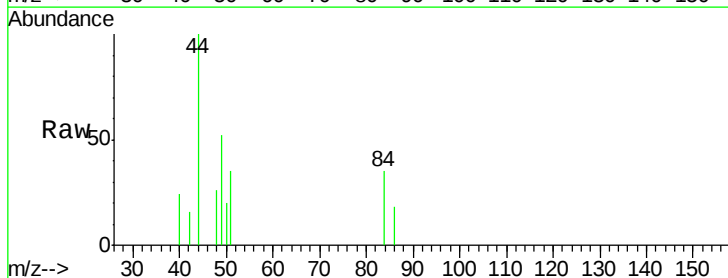
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26KV-TP-1

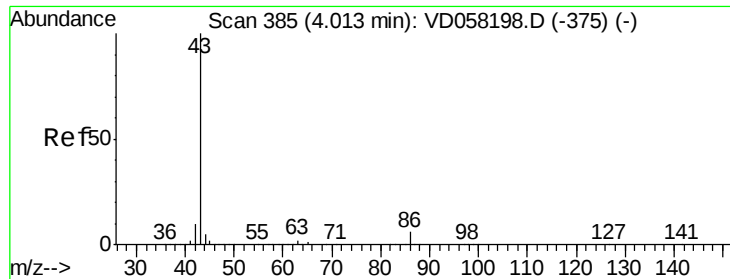
Tot Ion: 43 Resp: 513
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 7.341 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058253.D
Acq: 21 Jun 2018 15:34

Tgt Ion: 84 Resp: 1257
Ion Ratio Lower Upper
84 100
49 149.1 145.0 217.6
51 100.4 42.9 64.3#
86 50.6 50.1 75.1

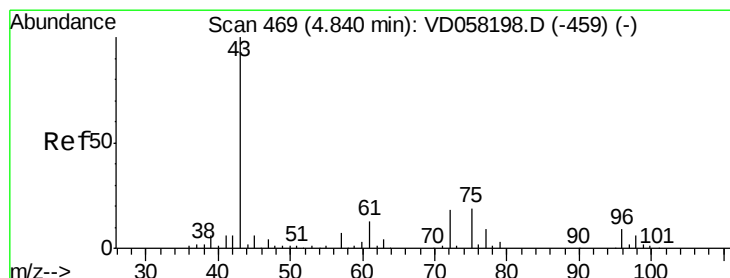
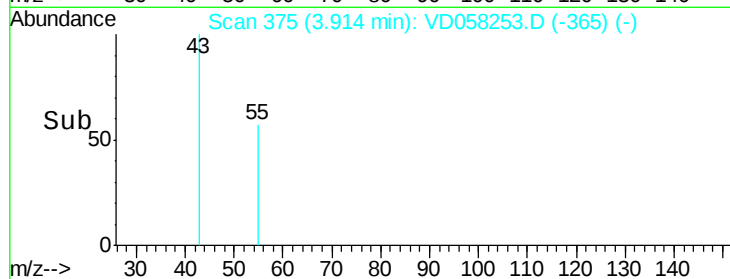
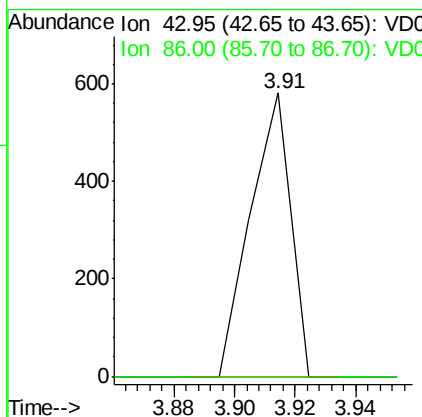
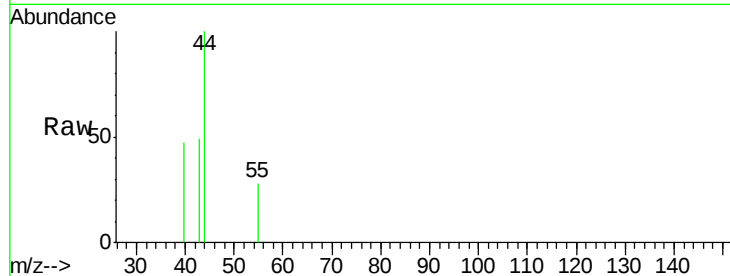




#23
 Vinyl Acetate
 Concen: 1.025 ug/l
 RT: 3.91 min Scan# 375
 Delta R.T. -0.10 min
 Lab File: VD058253.D
 Acq: 21 Jun 2018 15:34

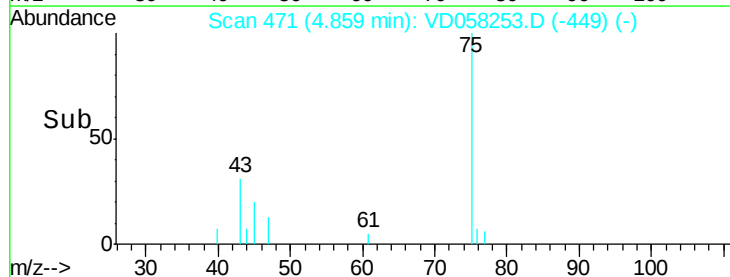
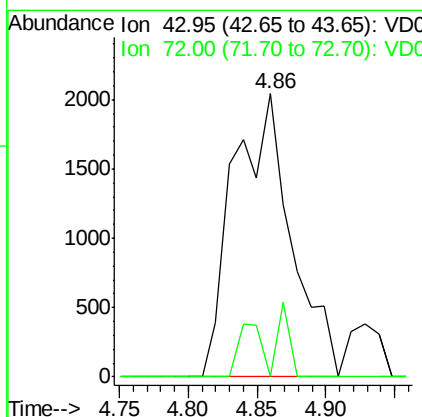
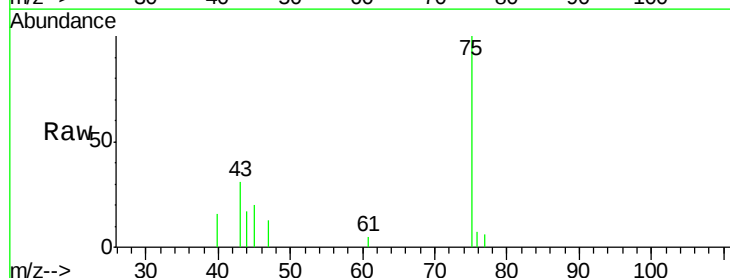
Instrument :
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 26KV-TP-1

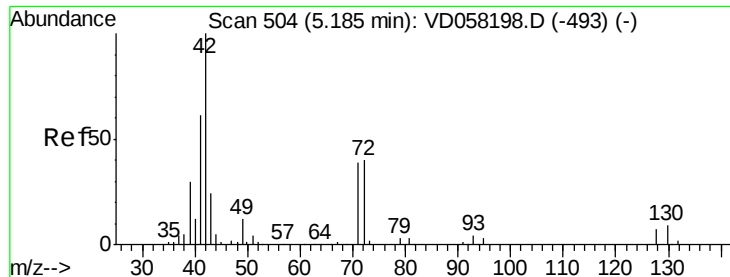
Tot Ion: 43 Resp: 533
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.0 7.4#



#25
 2-Butanone
 Concen: 65.010 ug/l
 RT: 4.86 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VD058253.D
 Acq: 21 Jun 2018 15:34

Tgt Ion: 43 Resp: 5981
 Ion Ratio Lower Upper
 43 100
 72 0.0 14.1 21.1#





#29

Tetrahydrofuran

Concen: 5.044 ug/l

RT: 5.21 min Scan# 507

Delta R.T. 0.03 min

Lab File: VD058253.D

Acq: 21 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-1

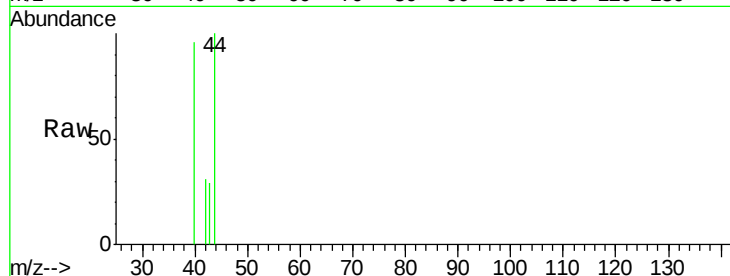
Tot Ion: 42 Resp: 247

Ion Ratio Lower Upper

42 100

72 0.0 30.2 45.2#

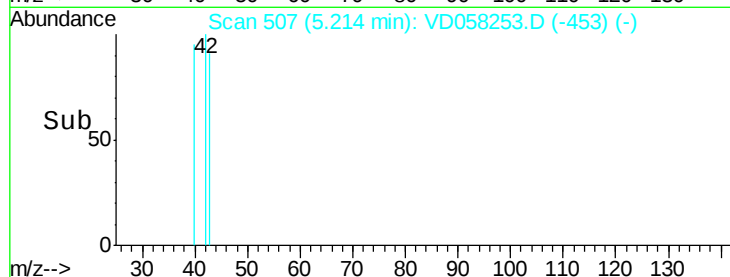
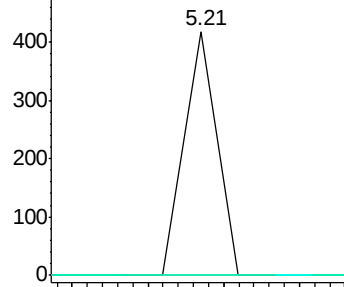
71 0.0 30.1 45.1#



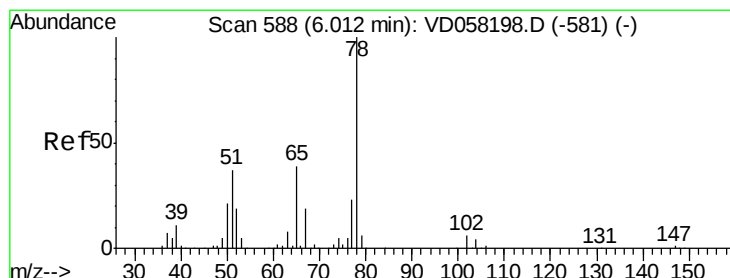
Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058253.D

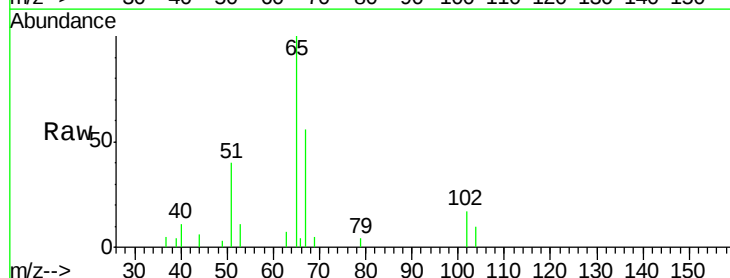
Acq: 21 Jun 2018 15:34

Tgt Ion: 65 Resp: 23166

Ion Ratio Lower Upper

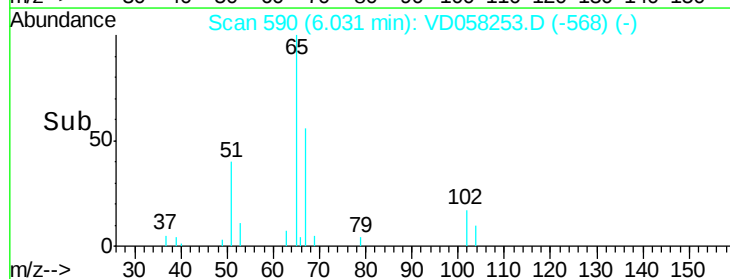
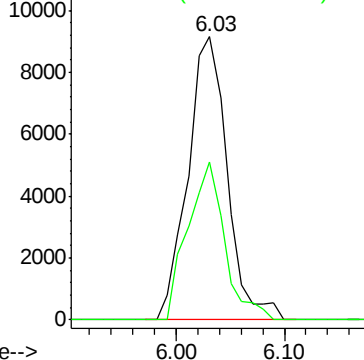
65 100

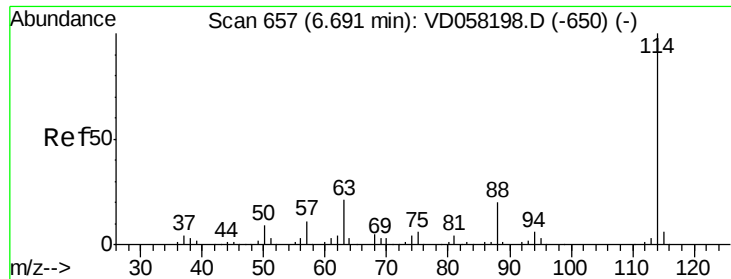
67 55.6 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

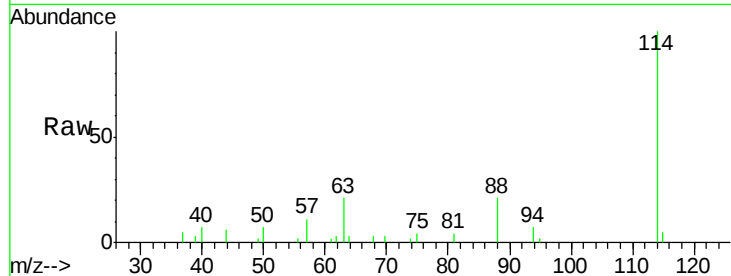




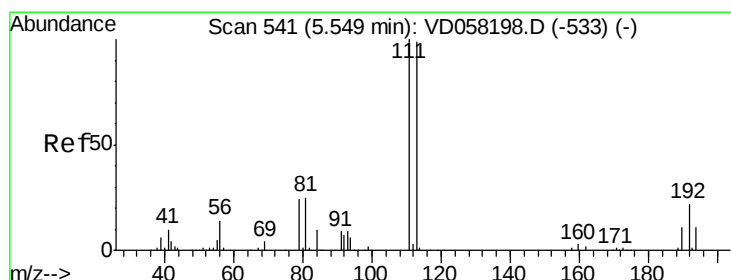
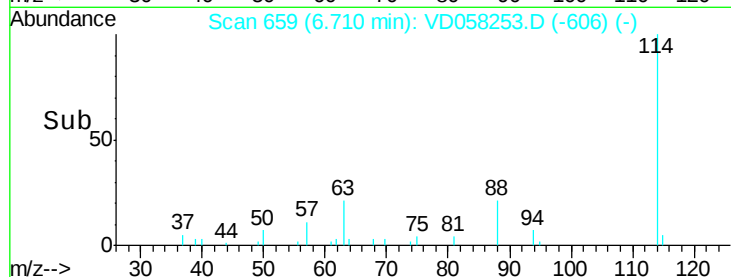
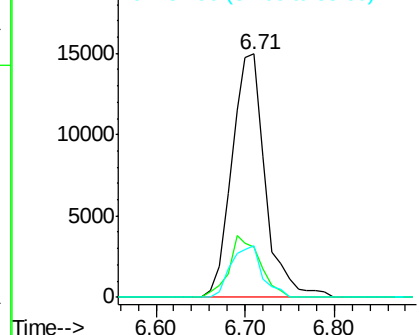
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.71 min Scan# 659
Delta R.T. 0.02 min
Lab File: VD058253.D
Acq: 21 Jun 2018 15:34

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-1

Tot Ion:114 Resp: 39228
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.6
88 21.2 0.0 40.6

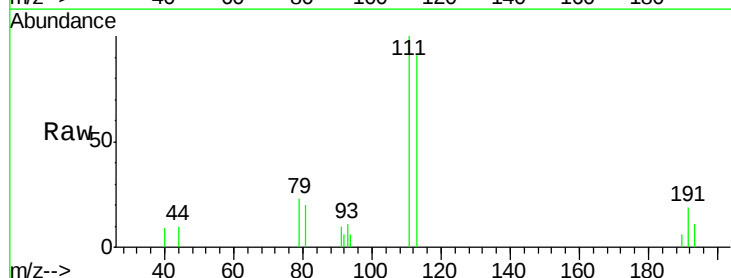


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC

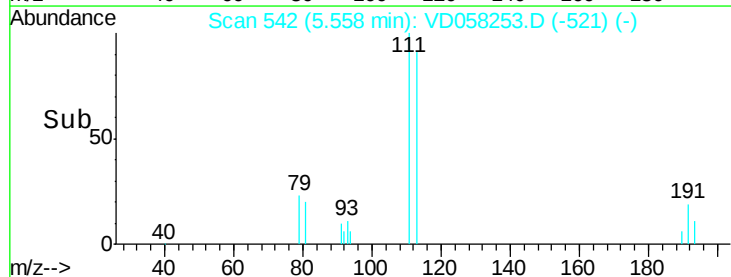
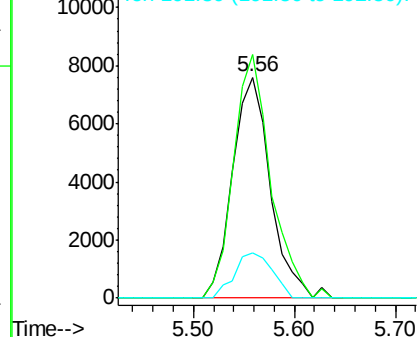


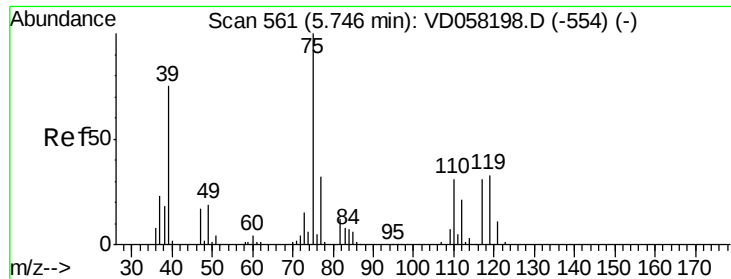
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.56 min Scan# 542
Delta R.T. 0.01 min
Lab File: VD058253.D
Acq: 21 Jun 2018 15:34

Tgt Ion:113 Resp: 19854
Ion Ratio Lower Upper
113 100
111 110.4 80.6 121.0
192 20.6 17.8 26.6



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

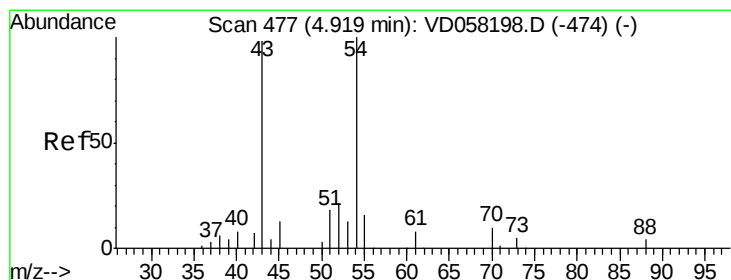
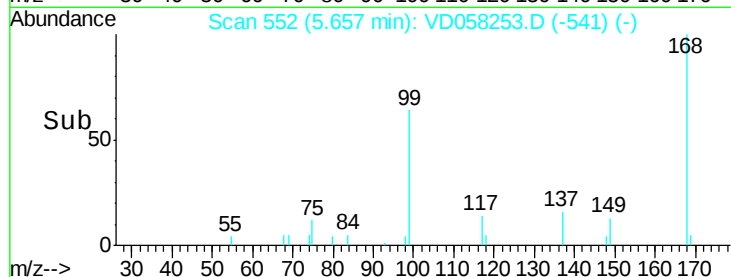
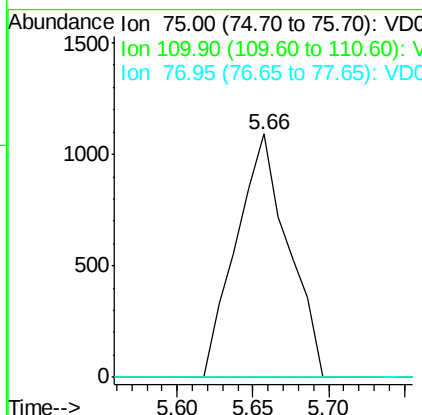
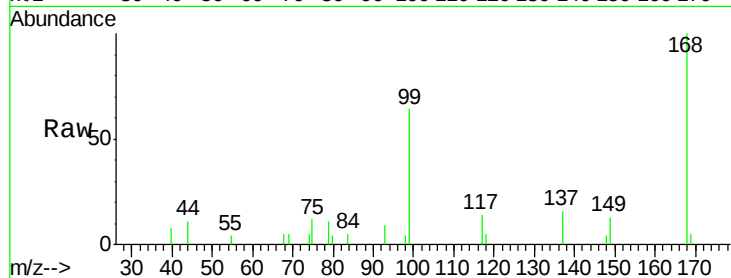




#36
 1,1-Dichloropropene
 Concen: 6.728 ug/l
 RT: 5.66 min Scan# 552
 Delta R.T. -0.09 min
 Lab File: VD058253.D
 Acq: 21 Jun 2018 15:34

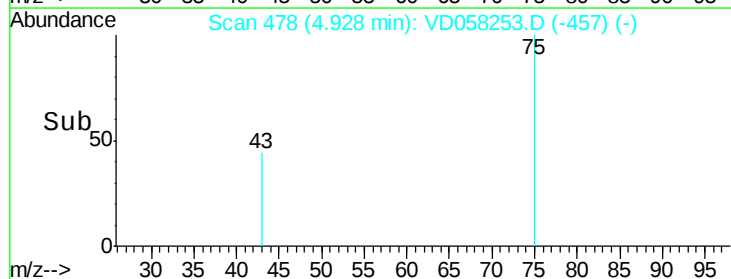
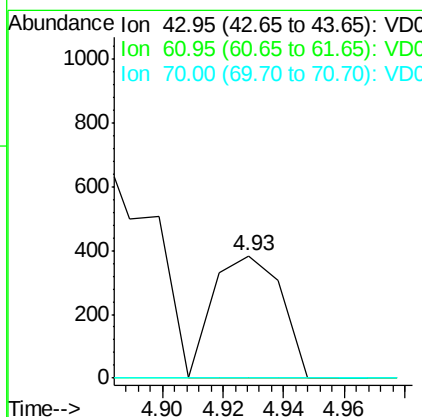
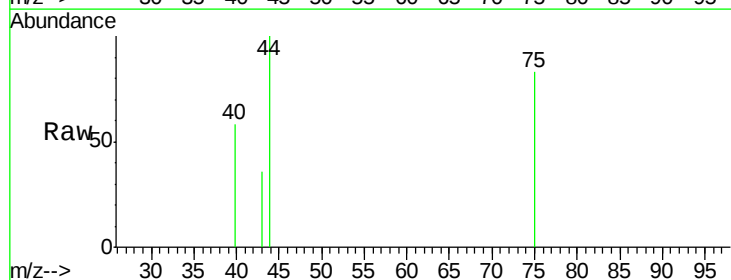
Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-1

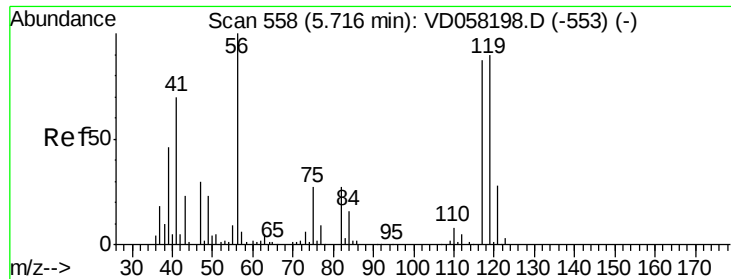
Tot Ion: 75 Resp: 2611
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.4 46.4#
 77 0.0 25.4 38.2#



#37
 Ethyl Acetate
 Concen: 2.732 ug/l
 RT: 4.93 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: VD058253.D
 Acq: 21 Jun 2018 15:34

Tgt Ion: 43 Resp: 604
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.3 15.5#
 70 0.0 5.7 8.5#





#38

Carbon Tetrachloride

Concen: 6.800 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

Lab File: VD058253.D

Acq: 21 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-1

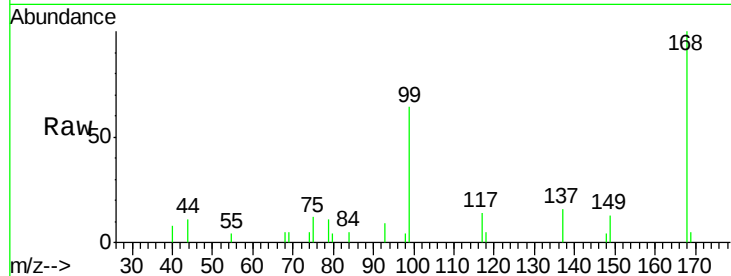
Tot Ion:117 Resp: 2622

Ion Ratio Lower Upper

117 100

119 0.0 78.8 118.2#

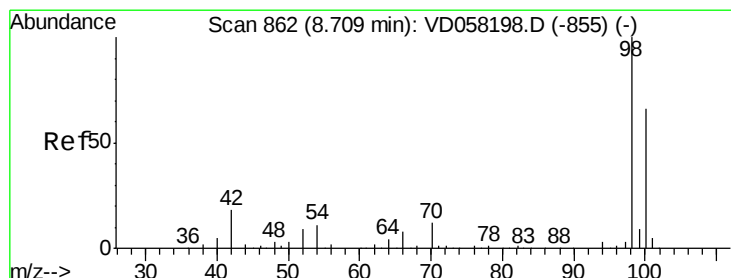
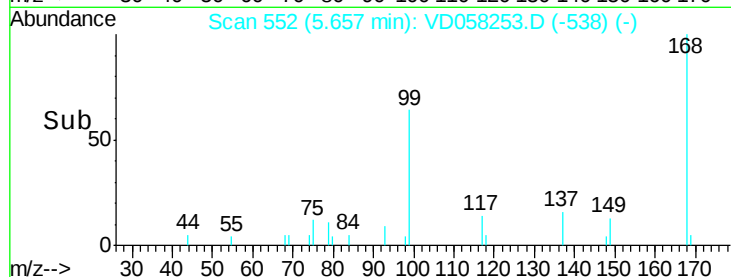
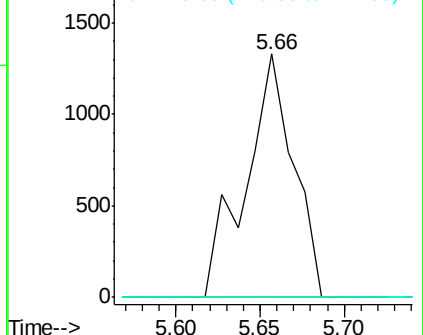
121 0.0 25.0 37.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058253.D

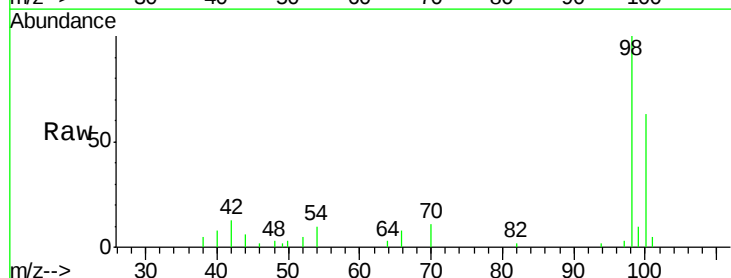
Acq: 21 Jun 2018 15:34

Tgt Ion: 98 Resp: 41627

Ion Ratio Lower Upper

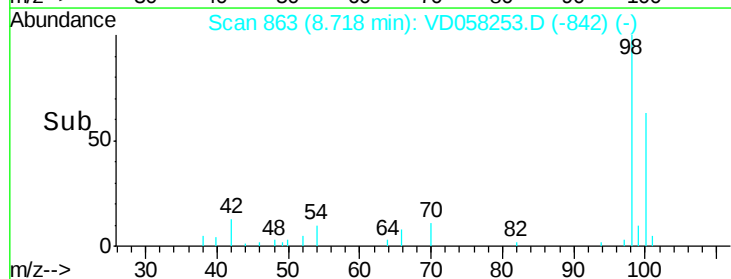
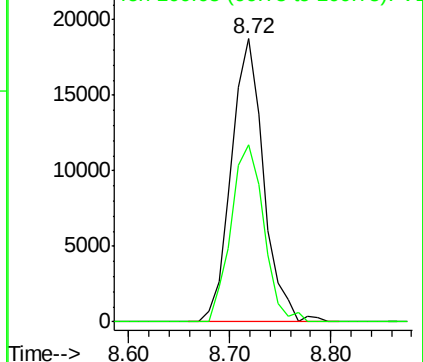
98 100

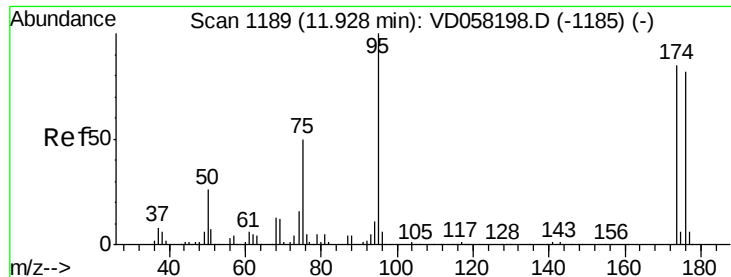
100 62.7 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058253.D

Acq: 21 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-1

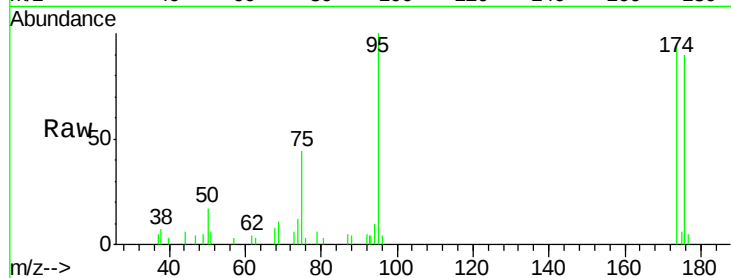
Tot Ion: 95 Resp: 15895

Ion Ratio Lower Upper

95 100

174 95.0 0.0 170.2

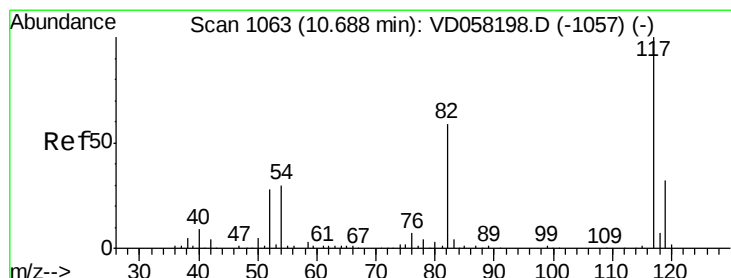
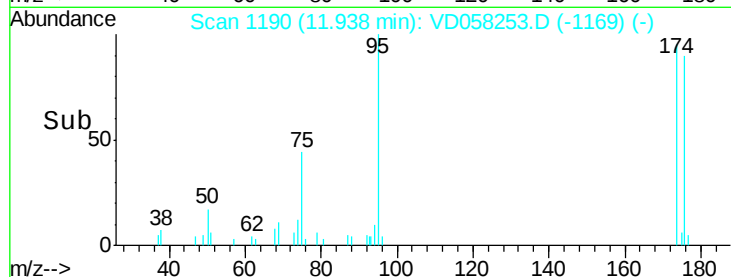
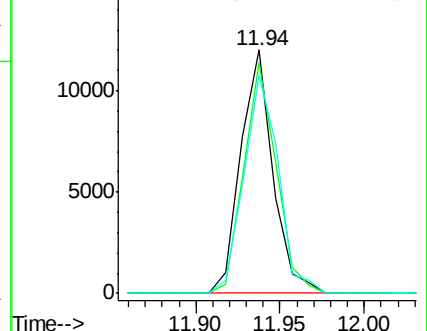
176 89.5 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058253.D

Acq: 21 Jun 2018 15:34

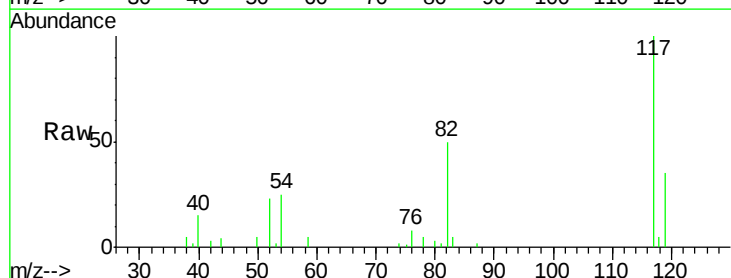
Tgt Ion: 117 Resp: 35852

Ion Ratio Lower Upper

117 100

82 50.3 47.0 70.6

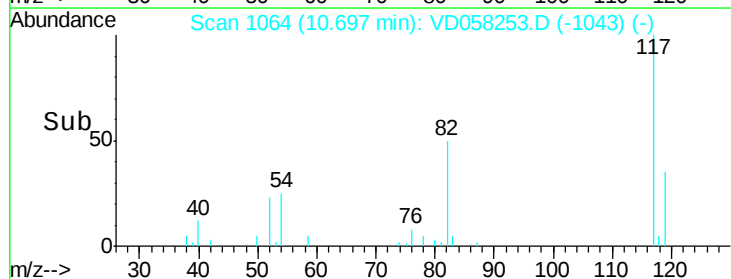
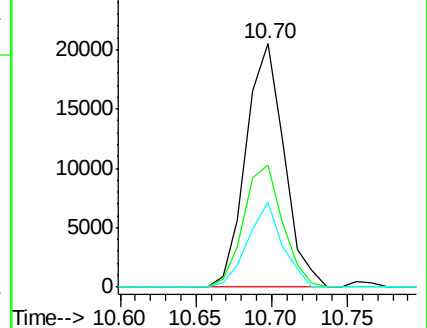
119 35.0 25.3 37.9

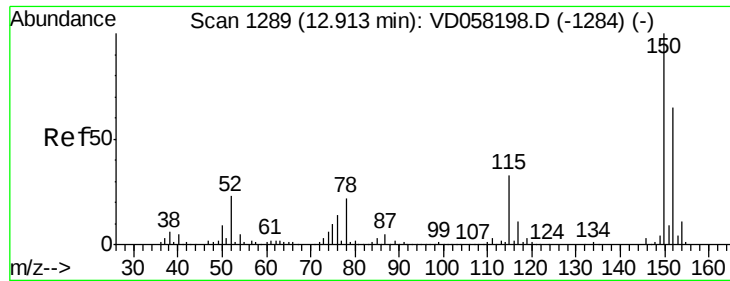


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058253.D

Acq: 21 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-1

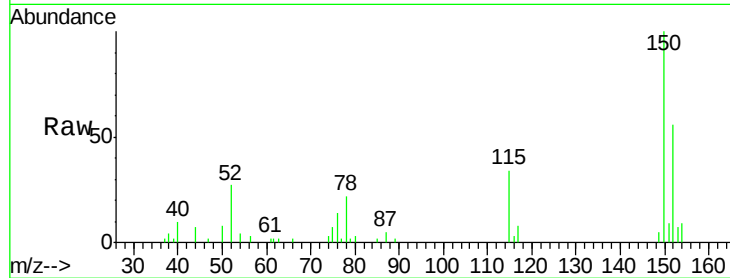
Tot Ion:152 Resp: 14426

Ion Ratio Lower Upper

152 100

115 61.3 25.1 75.3

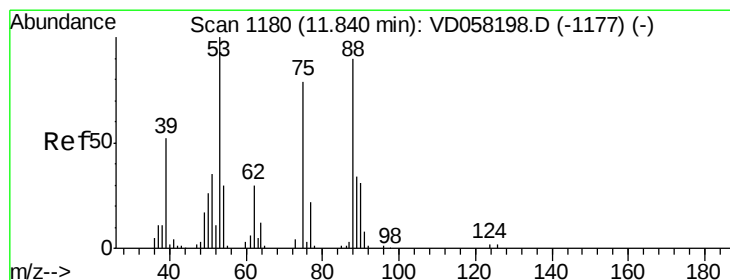
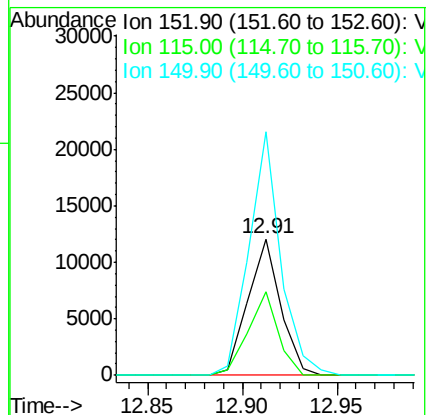
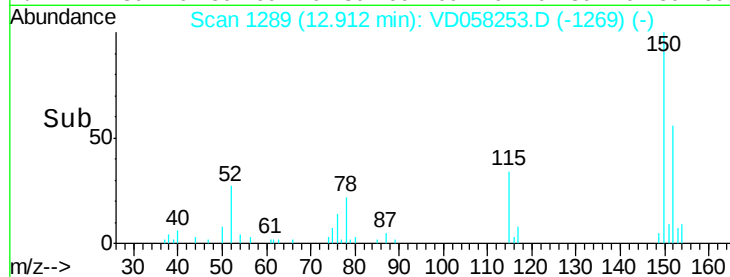
150 178.7 0.0 308.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 142.594 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058253.D

Acq: 21 Jun 2018 15:34

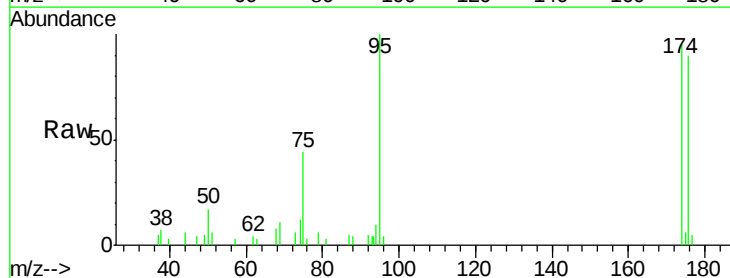
Tgt Ion: 75 Resp: 7325

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

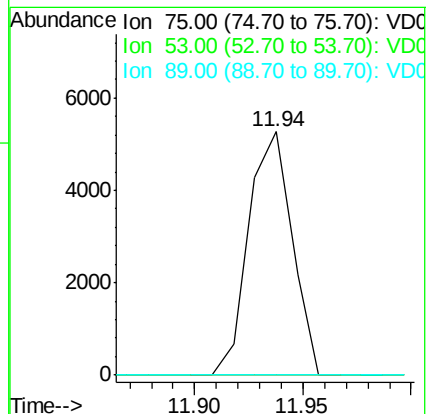
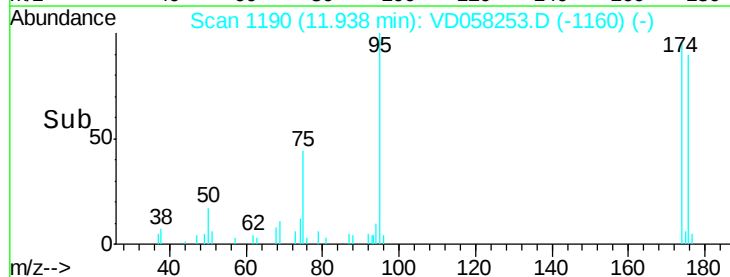
89 0.0 34.6 52.0#

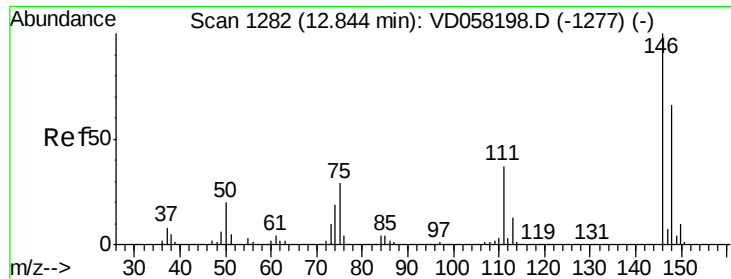


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

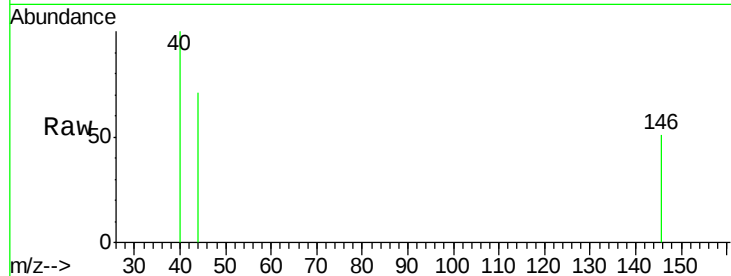




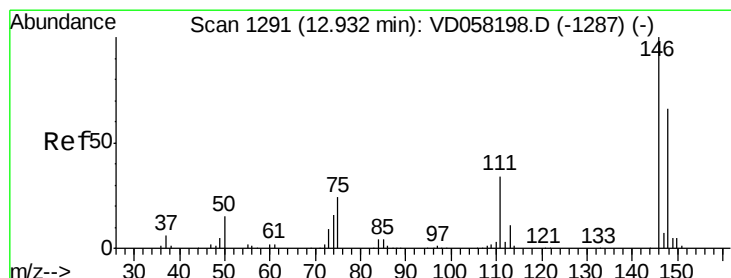
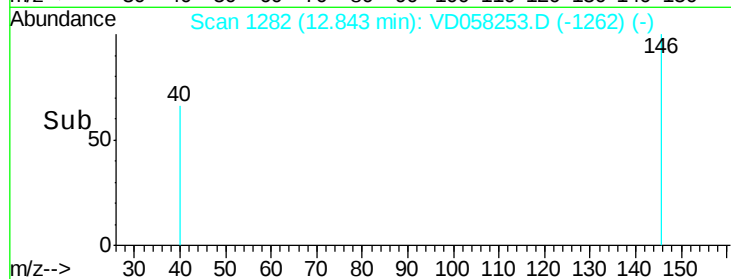
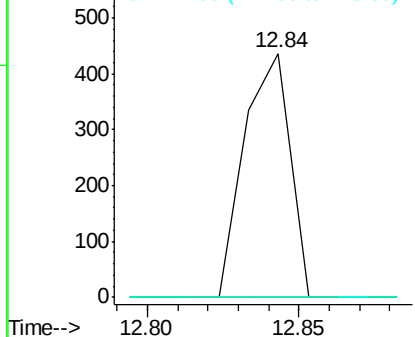
#87
 1,3-Dichlorobenzene
 Concen: 1.015 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058253.D
 Acq: 21 Jun 2018 15:34

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-1

Tot Ion:146 Resp: 456
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.4 55.0#
 148 0.0 32.8 98.4#

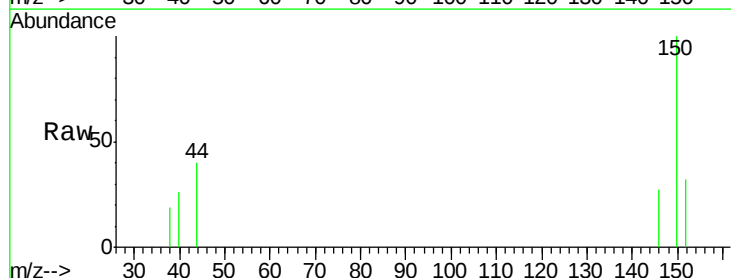


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

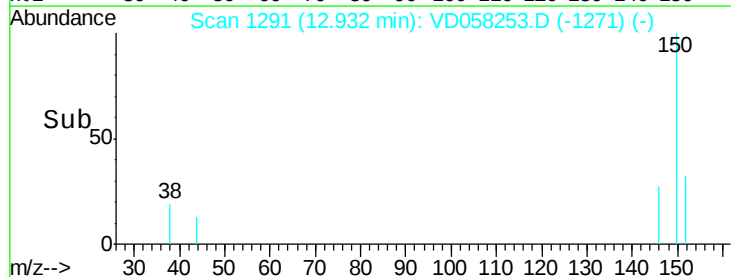
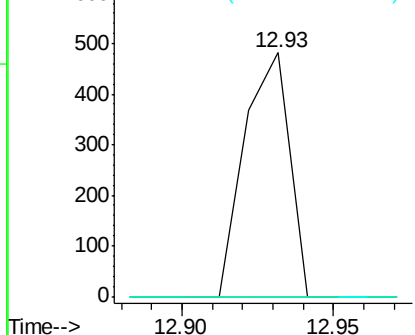


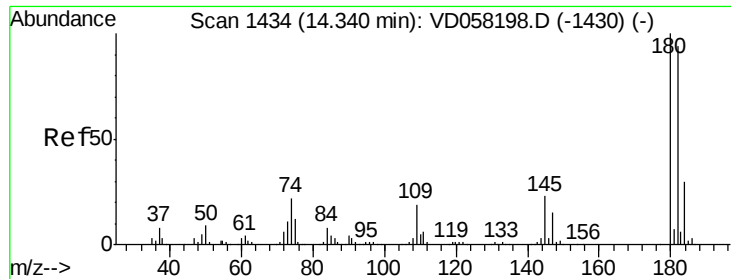
#88
 1,4-Dichlorobenzene
 Concen: 1.145 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058253.D
 Acq: 21 Jun 2018 15:34

Tgt Ion:146 Resp: 502
 Ion Ratio Lower Upper
 146 100
 111 0.0 17.2 51.5#
 148 0.0 33.1 99.3#



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

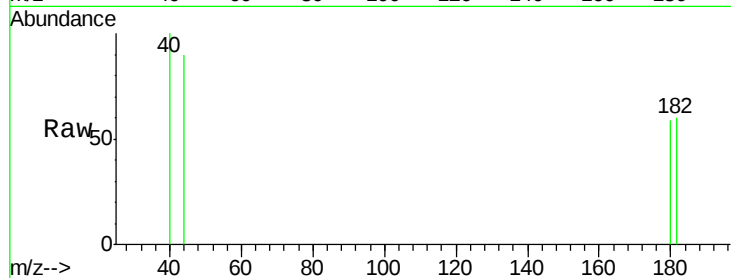




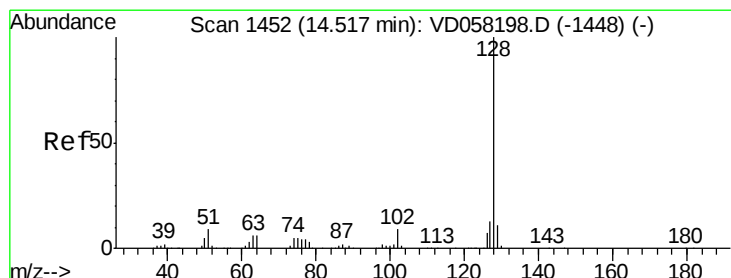
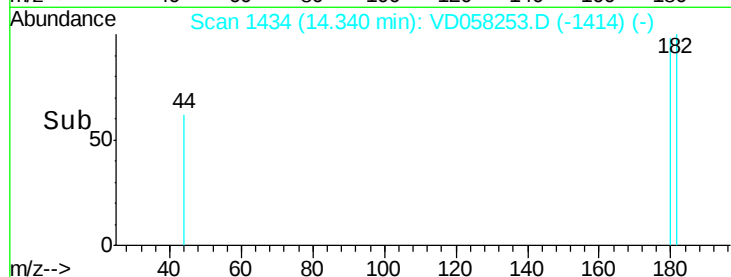
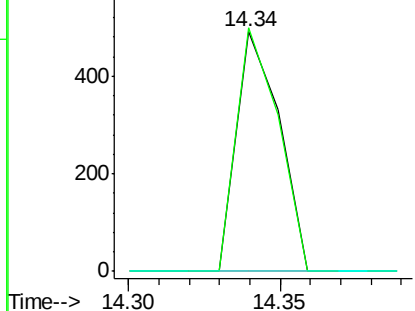
#93
 1,2,4-Trichlorobenzene
 Concen: 1.327 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058253.D
 Acq: 21 Jun 2018 15:34

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-1

Tot Ion:180 Resp: 485
 Ion Ratio Lower Upper
 180 100
 182 101.6 47.1 141.3
 145 0.0 11.7 35.0#

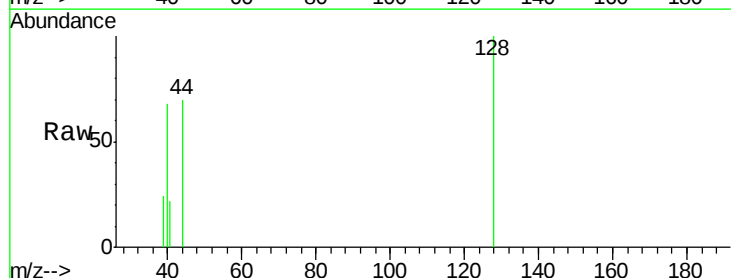


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 2.447 ug/l
 RT: 14.52 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VD058253.D
 Acq: 21 Jun 2018 15:34

Tgt Ion:128 Resp: 1178
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 0.0 8.7 13.1#



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

