

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058242.D
 Acq On : 21 Jun 2018 8:21
 Operator : VA/AP
 Sample : J3603-15
 Misc : 4.26g/5ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-9

Quant Time: Jun 21 11:19:15 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	326695	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	346258	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	130149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	12362	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	239703	72.64	ug/l	0.02
Spiked Amount	50.000		Recovery	=	145.28%	
35) Dibromofluoromethane	5.57	113	262375	93.10	ug/l	0.02
Spiked Amount	50.000		Recovery	=	186.20%	
50) Toluene-d8	8.72	98	322439	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
62) 4-Bromofluorobenzene	11.94	95	25842	9.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.56%	

Target Compounds

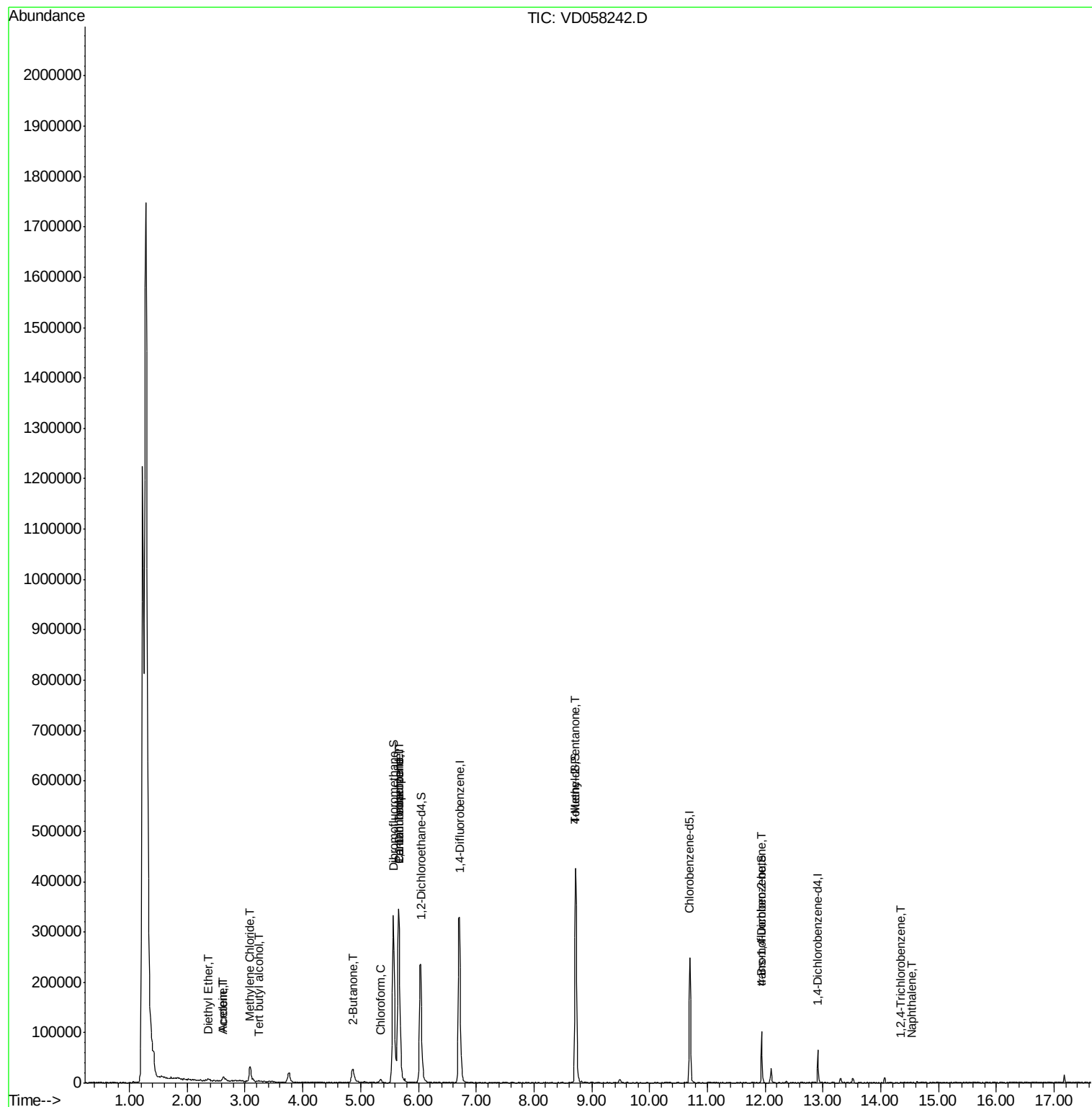
						Qvalue
3) Chloromethane	1.47	50	199	Below Cal	#	43
8) Diethyl Ether	2.36	74	719	1.45	ug/l	85
11) Tert butyl alcohol	3.23	59	180	1.65	ug/l #	78
13) Acrolein	2.61	56	191	3.07	ug/l #	11
16) Acetone	2.63	43	18421	40.82	ug/l #	91
20) Methylene Chloride	3.09	84	15260	9.05	ug/l #	82
25) 2-Butanone	4.86	43	4677	4.76	ug/l #	60
30) Chloroform	5.35	83	6400	1.08	ug/l	90
31) Cyclohexane	5.66	56	8118	Below Cal	#	1
36) 1,1-Dichloropropene	5.66	75	28501	8.32	ug/l #	52
38) Carbon Tetrachloride	5.66	117	27290	8.02	ug/l #	14
51) 4-Methyl-2-Pentanone	8.73	43	1928	1.14	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.94	75	13294	302.00	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.35	180	409	1.31	ug/l #	85
95) Naphthalene	14.53	128	1317	3.19	ug/l #	70

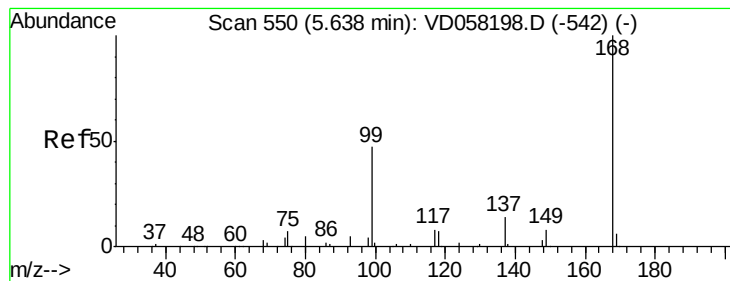
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058242.D

Acq: 21 Jun 2018 8:21

Instrument :

MSVOA_D

ClientSampleId :

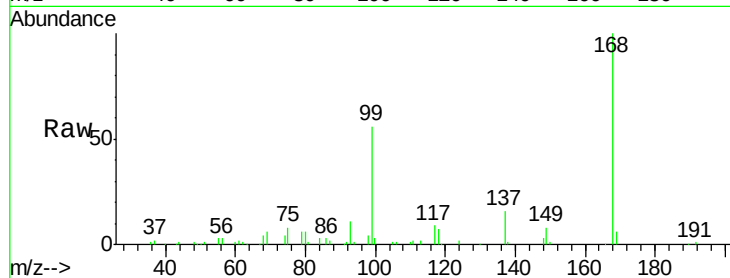
26KV-TP-9

Tot Ion:168 Resp: 326695

Ion Ratio Lower Upper

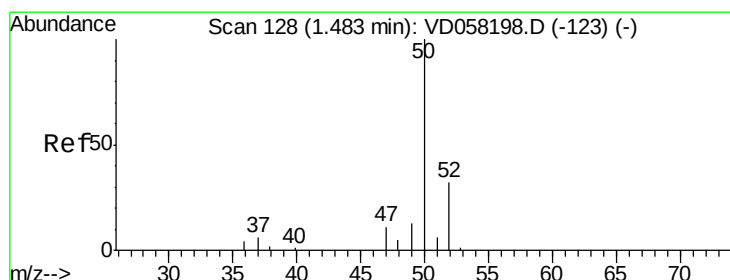
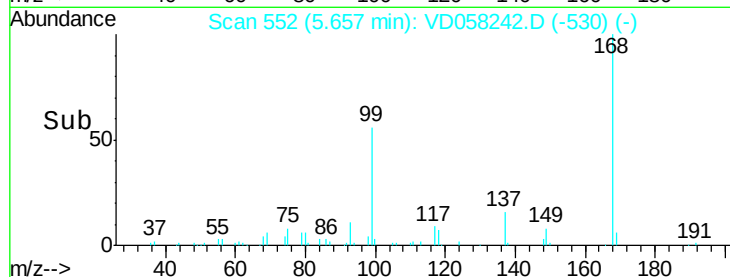
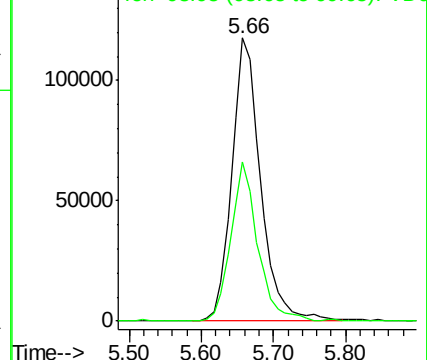
168 100

99 56.2 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.47 min Scan# 127

Delta R.T. -0.01 min

Lab File: VD058242.D

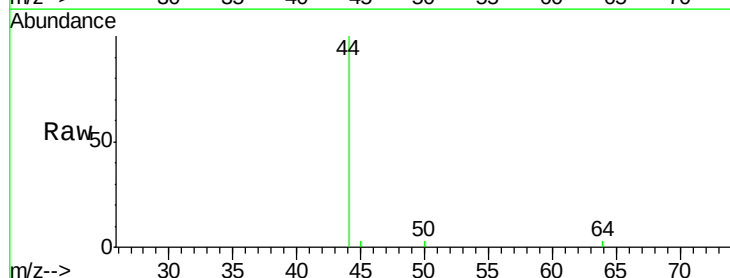
Acq: 21 Jun 2018 8:21

Tgt Ion: 50 Resp: 199

Ion Ratio Lower Upper

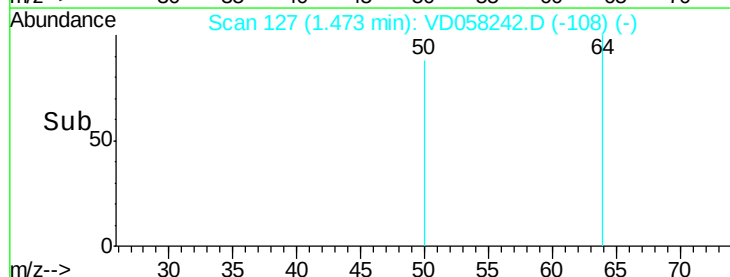
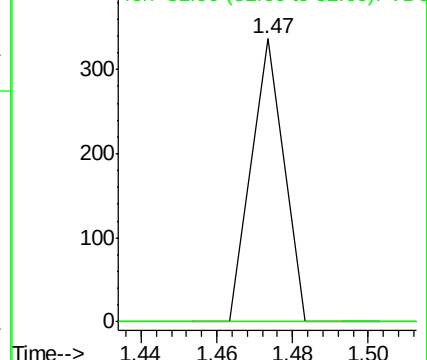
50 100

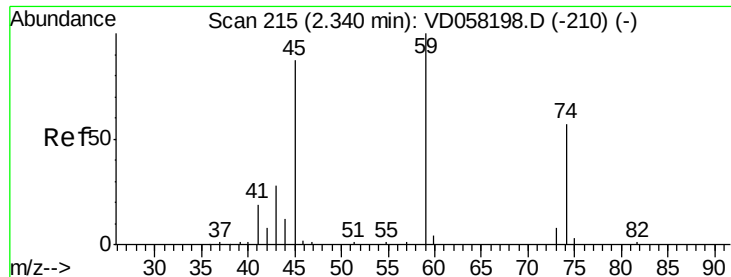
52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#8

Diethyl Ether

Concen: 1.45 ug/l

RT: 2.36 min Scan# 217

Delta R.T. 0.02 min

Lab File: VD058242.D

Acq: 21 Jun 2018 8:21

Instrument :

MSVOA_D

ClientSampleId :

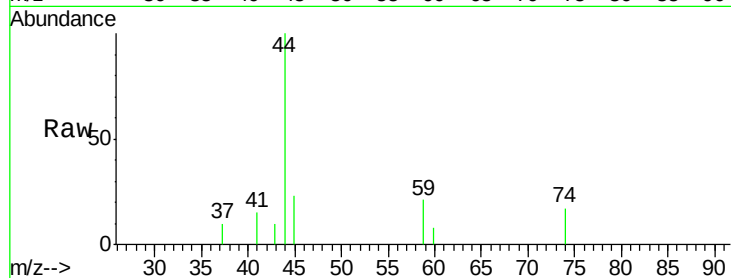
26KV-TP-9

Tot Ion: 74 Resp: 719

Ion Ratio Lower Upper

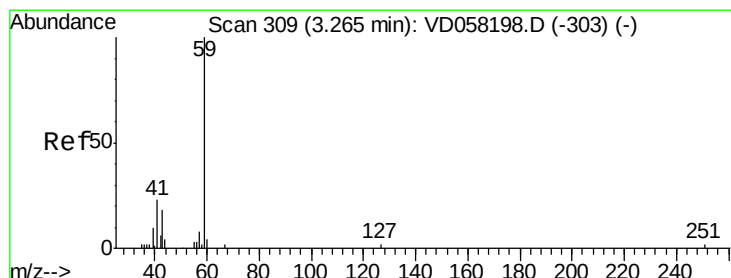
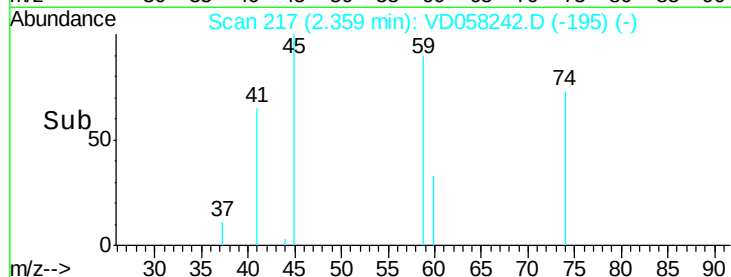
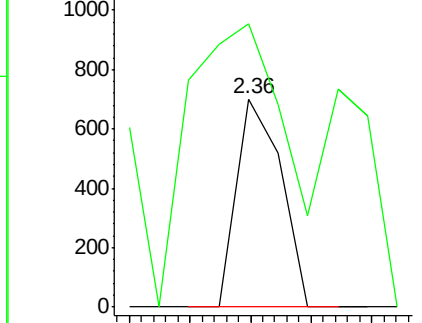
74 100

45 136.1 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 1.65 ug/l

RT: 3.23 min Scan# 305

Delta R.T. -0.04 min

Lab File: VD058242.D

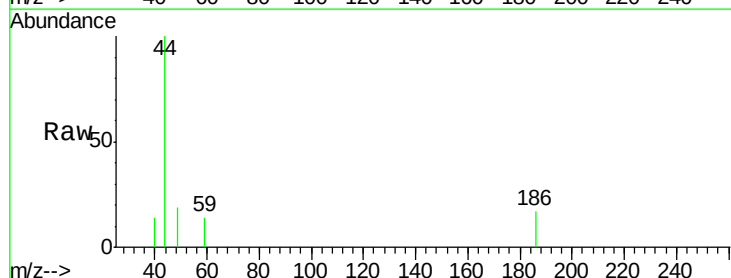
Acq: 21 Jun 2018 8:21

Tgt Ion: 59 Resp: 180

Ion Ratio Lower Upper

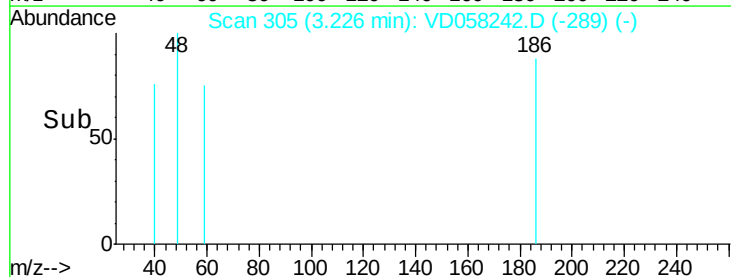
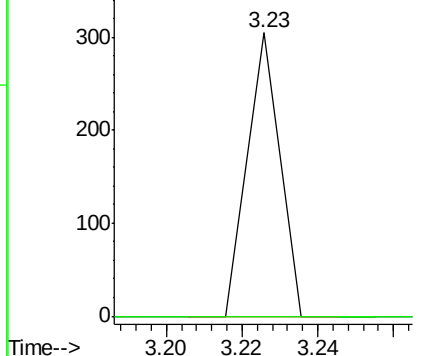
59 100

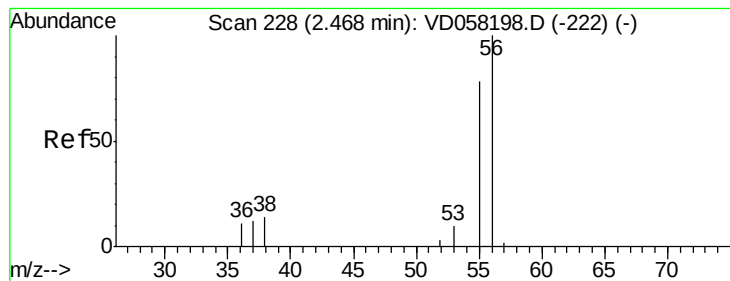
57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 3.07 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.14 min

Lab File: VD058242.D

Acq: 21 Jun 2018 8:21

Instrument :

MSVOA_D

ClientSampleId :

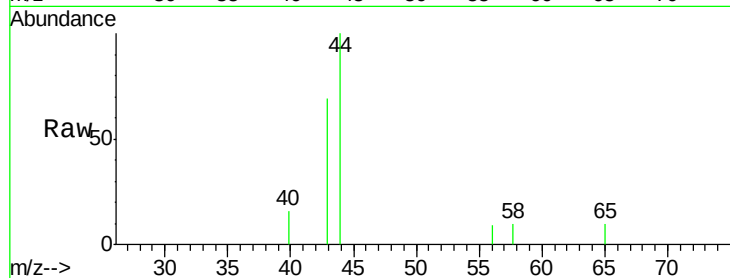
26KV-TP-9

Tot Ion: 56 Resp: 191

Ion Ratio Lower Upper

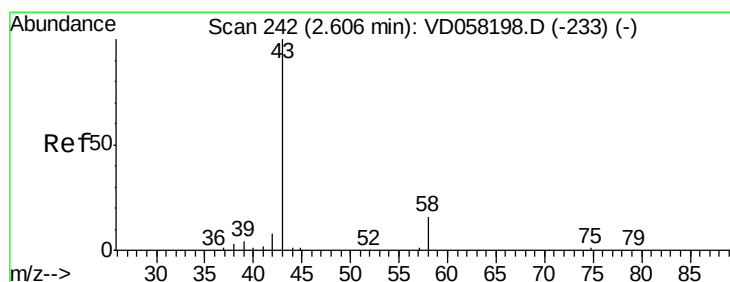
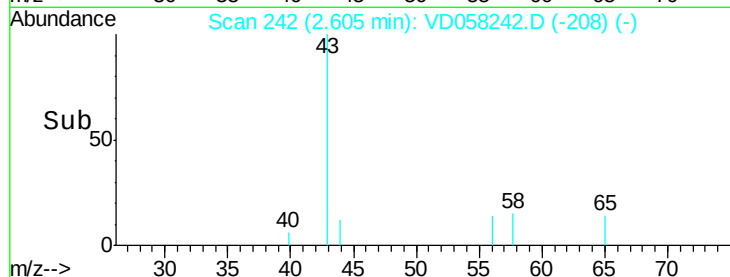
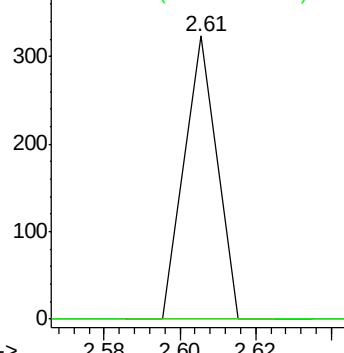
56 100

55 0.0 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 40.82 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058242.D

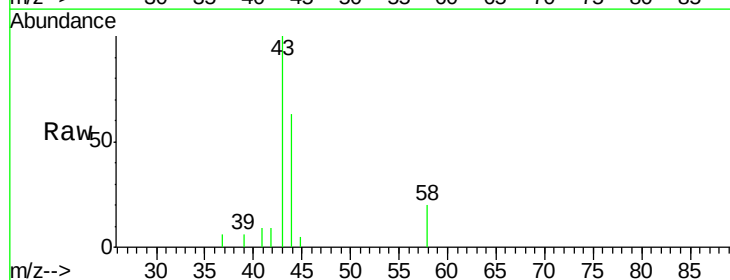
Acq: 21 Jun 2018 8:21

Tgt Ion: 43 Resp: 18421

Ion Ratio Lower Upper

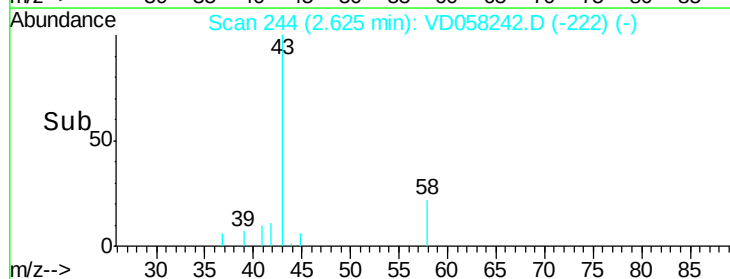
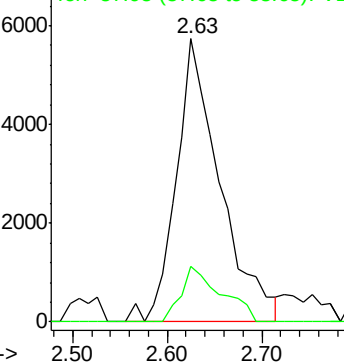
43 100

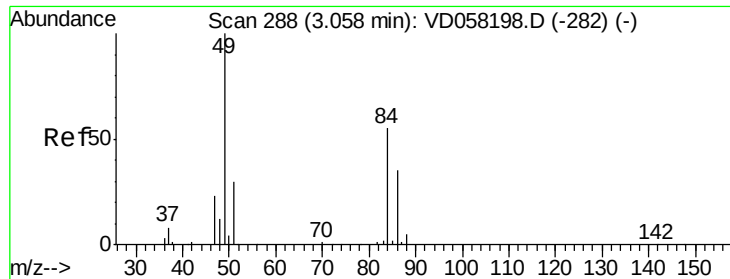
58 19.5 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

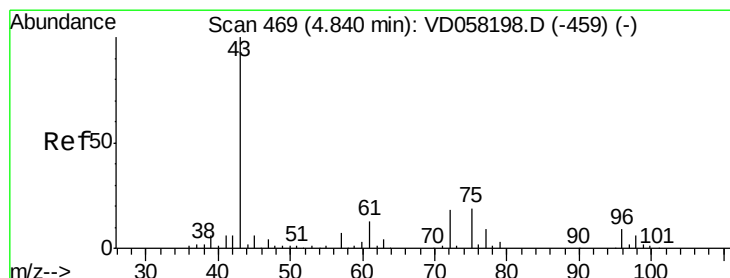
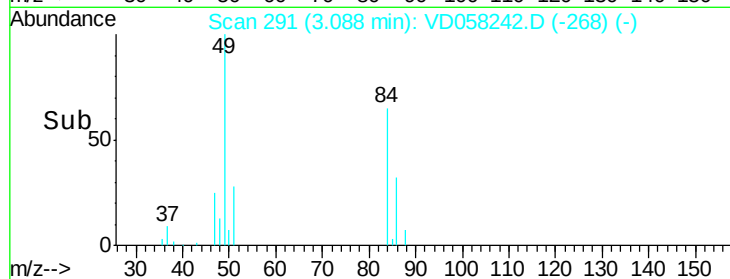
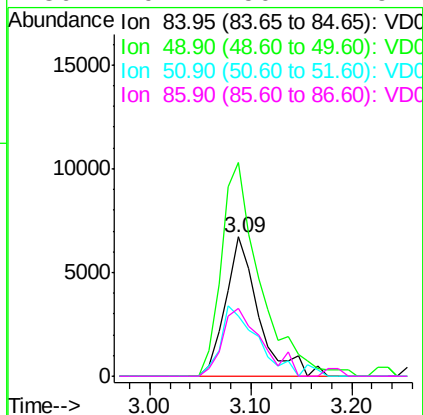
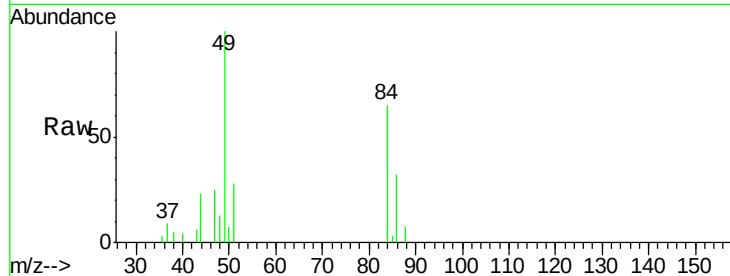




#20
Methylene Chloride
Concen: 9.05 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058242.D
Acq: 21 Jun 2018 8:21

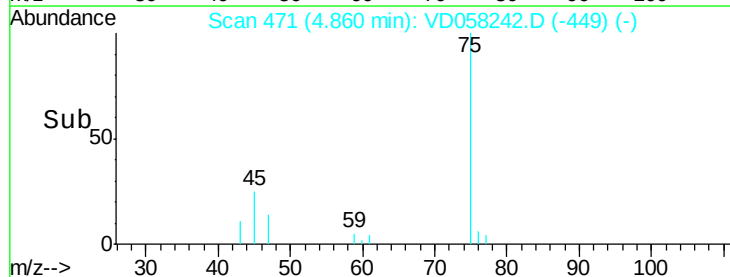
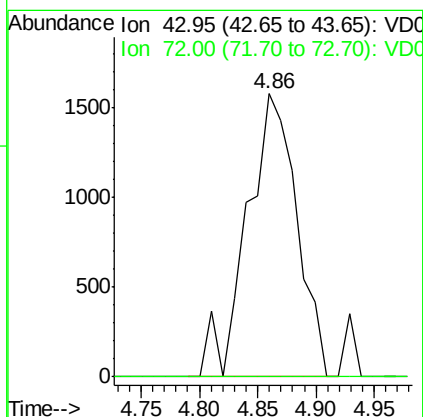
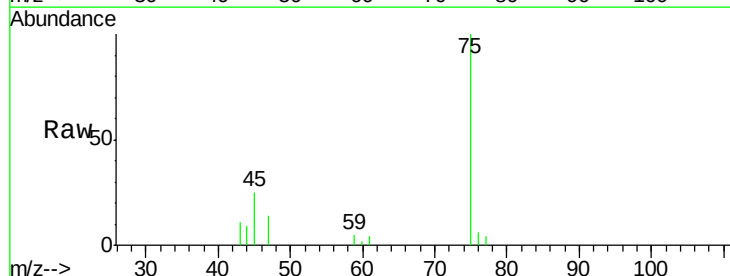
Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-9

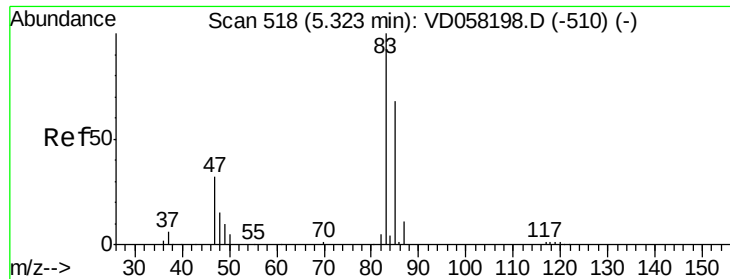
Tot Ion: 84 Resp: 15260
Ion Ratio Lower Upper
84 100
49 153.4 145.0 217.6
51 43.6 42.9 64.3
86 49.1 50.1 75.1#



#25
2-Butanone
Concen: 4.76 ug/l
RT: 4.86 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD058242.D
Acq: 21 Jun 2018 8:21

Tgt Ion: 43 Resp: 4677
Ion Ratio Lower Upper
43 100
72 0.0 14.1 21.1#

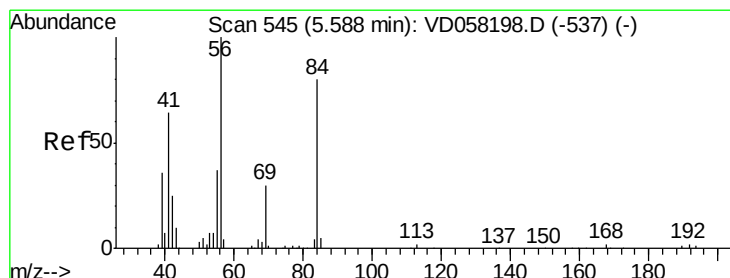
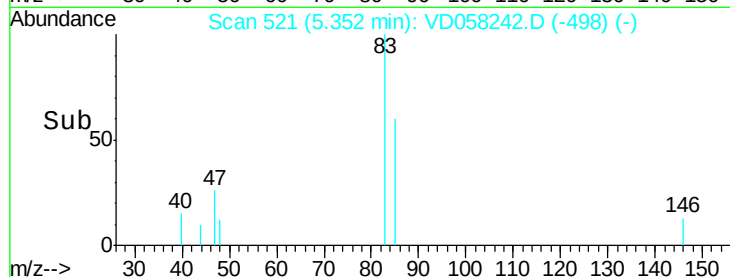
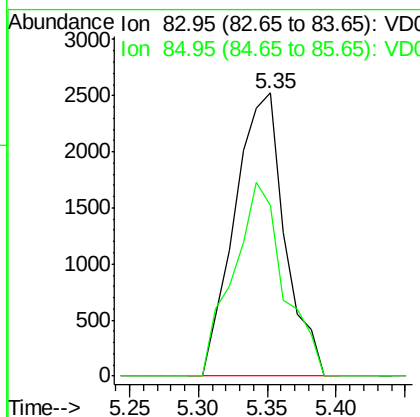
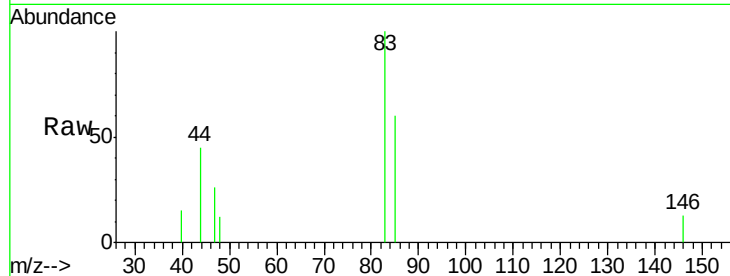




#30
Chloroform
Concen: 1.08 ug/l
RT: 5.35 min Scan# 521
Delta R.T. 0.03 min
Lab File: VD058242.D
Acq: 21 Jun 2018 8:21

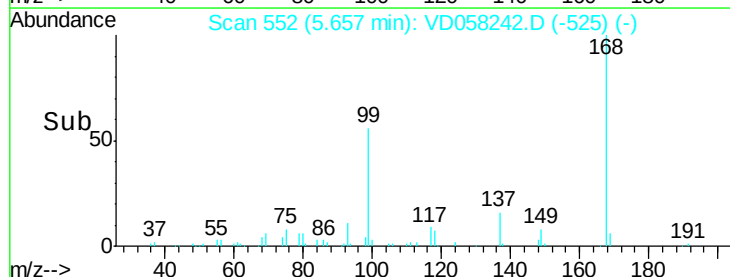
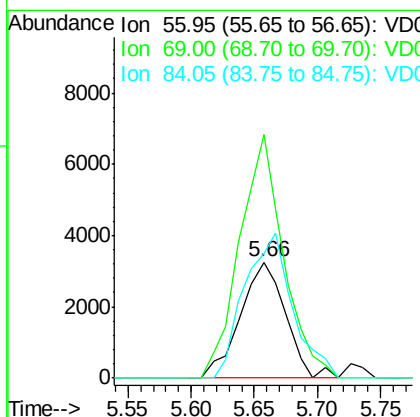
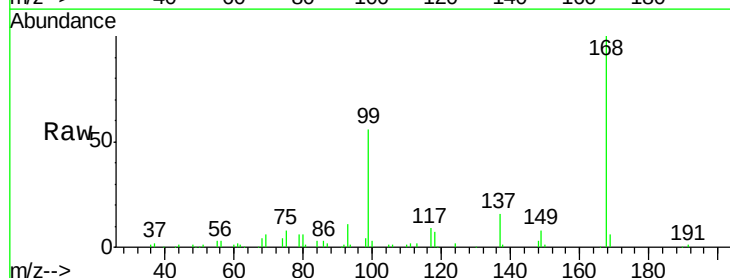
Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-9

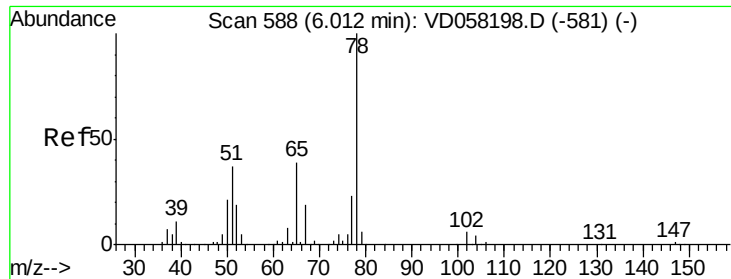
Tot Ion: 83 Resp: 6400
Ion Ratio Lower Upper
83 100
85 60.2 54.8 82.2



#31
Cyclohexane
Concen: Below Cal
RT: 5.66 min Scan# 552
Delta R.T. 0.07 min
Lab File: VD058242.D
Acq: 21 Jun 2018 8:21

Tgt Ion: 56 Resp: 8118
Ion Ratio Lower Upper
56 100
69 209.7 23.6 35.4#
84 107.3 65.2 97.8#

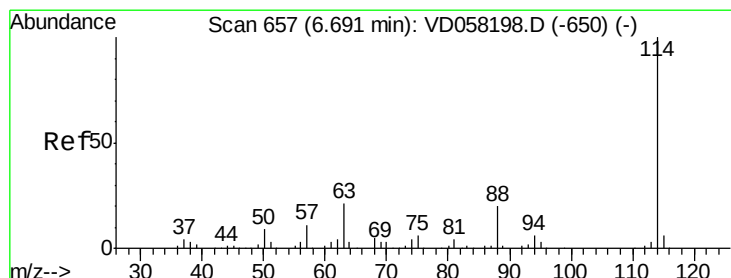
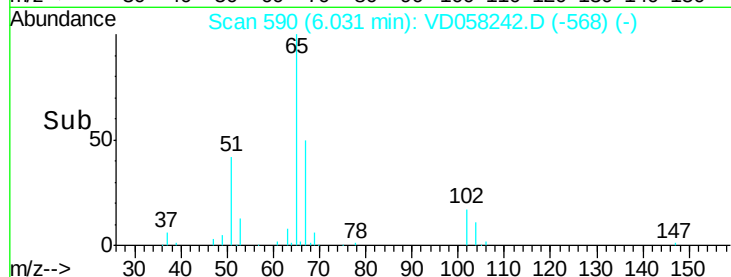
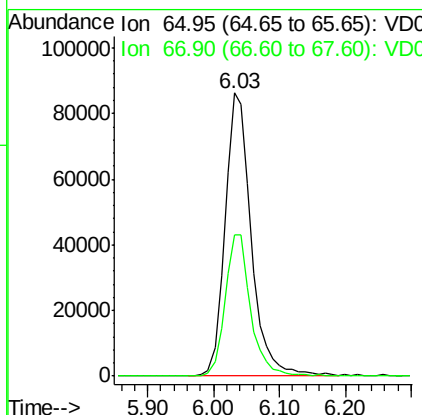
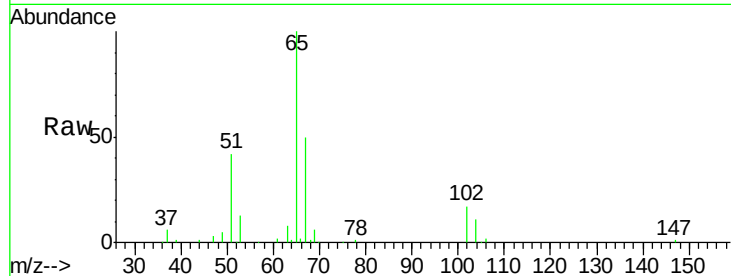




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058242.D
 Acq: 21 Jun 2018 8:21

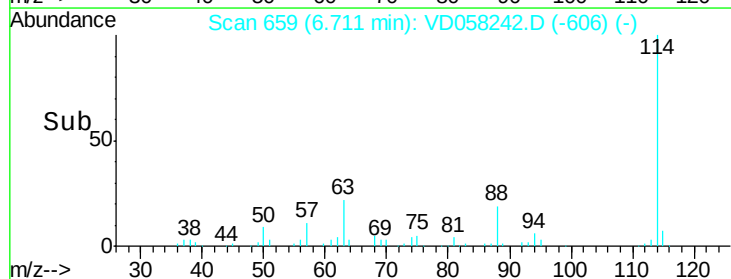
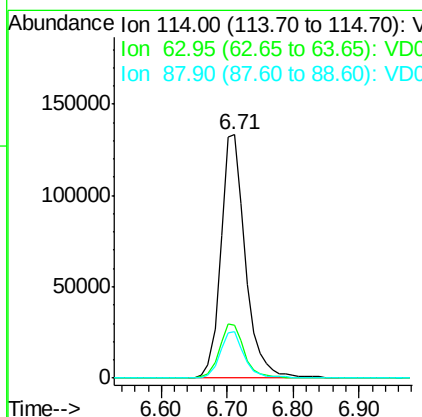
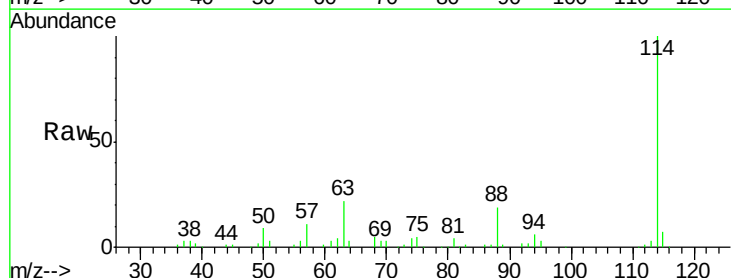
Instrument :
 MSVOA_D
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 26KV-TP-9

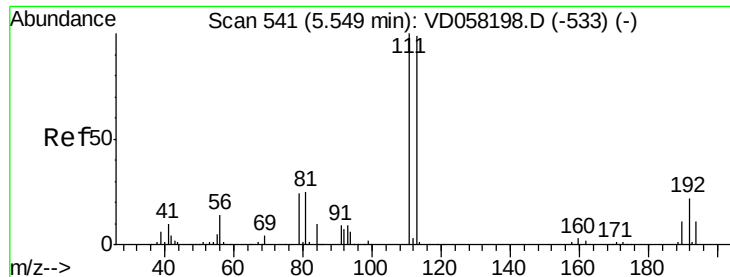
Tot Ion: 65 Resp: 239703
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058242.D
 Acq: 21 Jun 2018 8:21

Tgt Ion: 114 Resp: 346258
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.6
 88 19.2 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.02 min

Lab File: VD058242.D

Acq: 21 Jun 2018 8:21

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-9

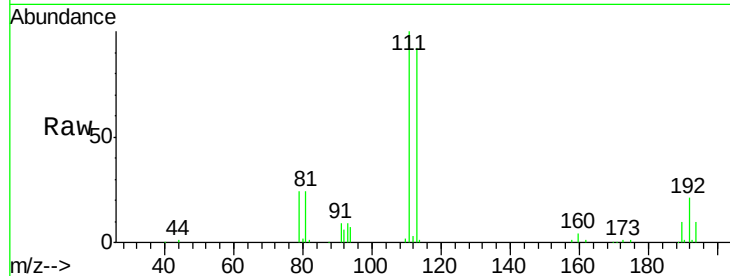
Tot Ion:113 Resp: 262375

Ion Ratio Lower Upper

113 100

111 108.7 80.6 121.0

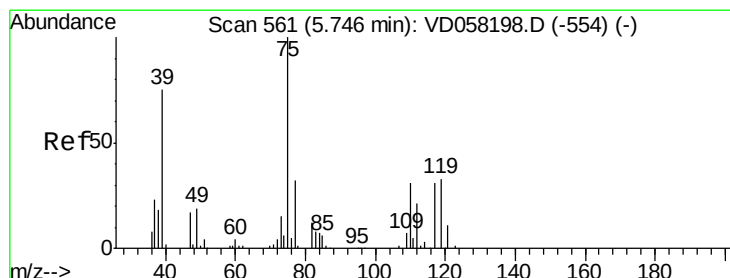
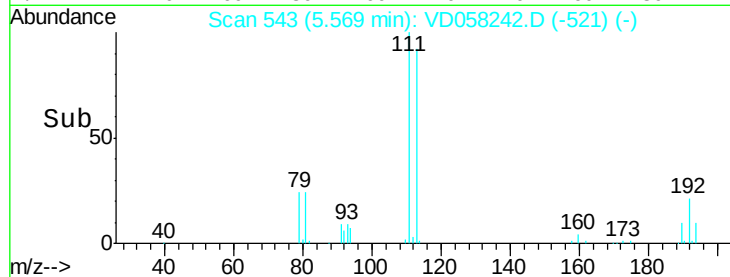
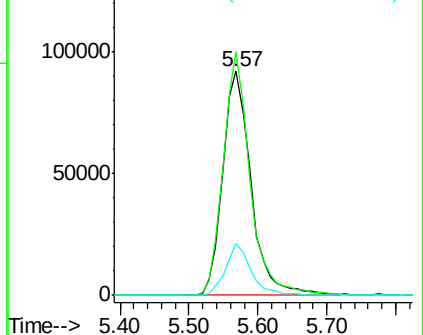
192 23.1 17.8 26.6



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: 8.32 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.09 min

Lab File: VD058242.D

Acq: 21 Jun 2018 8:21

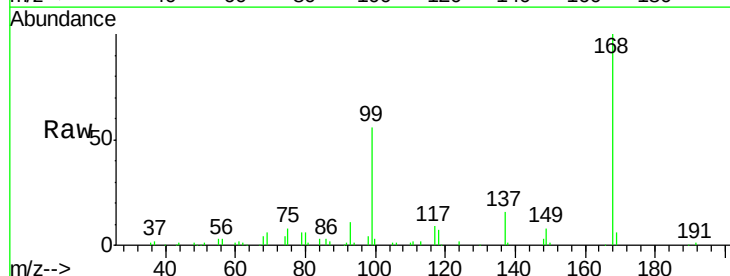
Tgt Ion: 75 Resp: 28501

Ion Ratio Lower Upper

75 100

110 9.3 15.4 46.4#

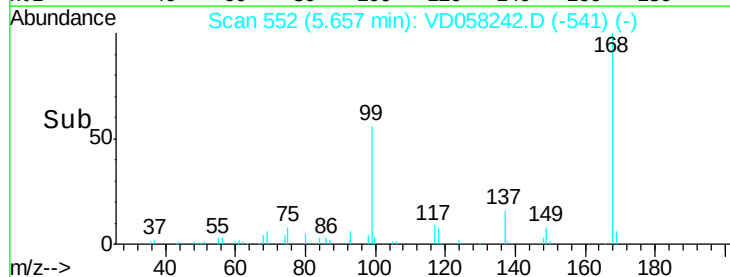
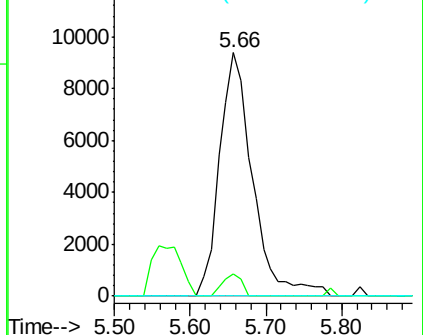
77 0.0 25.4 38.2#

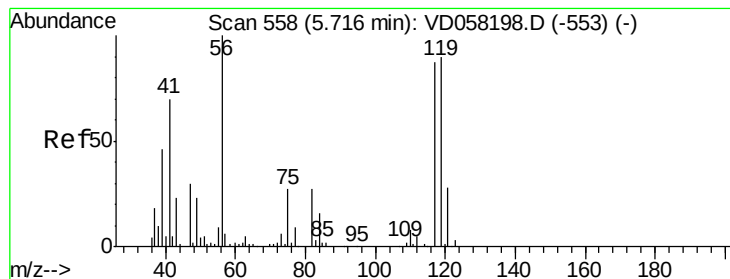


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 8.02 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

Lab File: VD058242.D

Acq: 21 Jun 2018 8:21

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-9

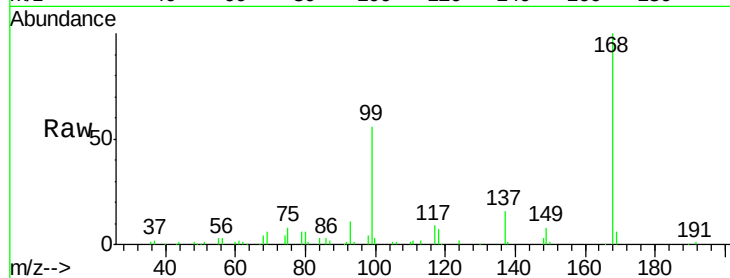
Tot Ion:117 Resp: 27290

Ion Ratio Lower Upper

117 100

119 3.4 78.8 118.2#

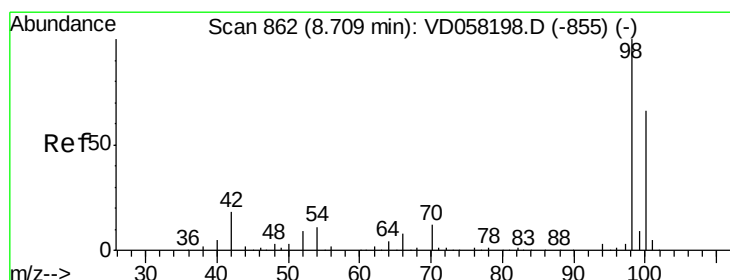
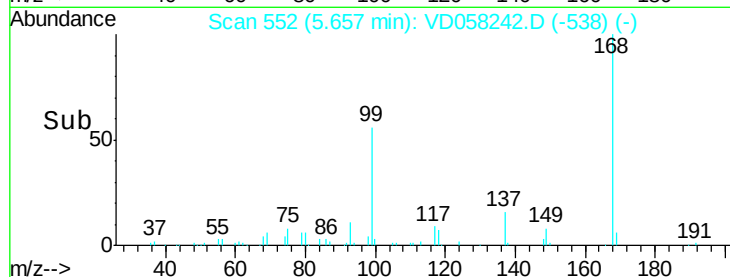
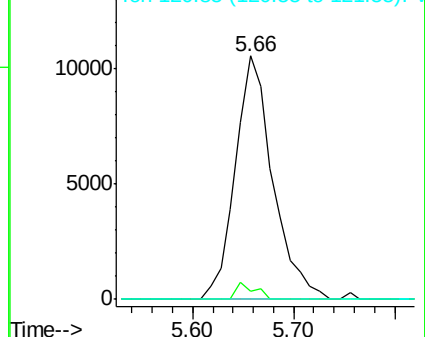
121 0.0 25.0 37.6#



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: VD058242.D

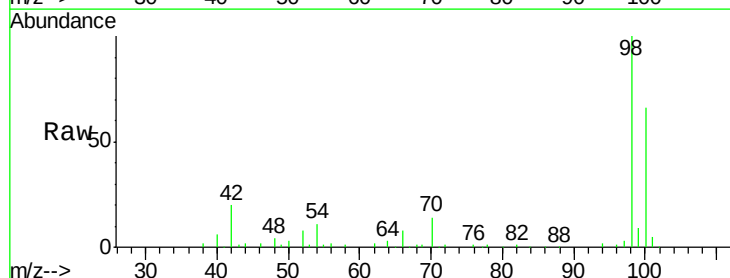
Acq: 21 Jun 2018 8:21

Tgt Ion: 98 Resp: 322439

Ion Ratio Lower Upper

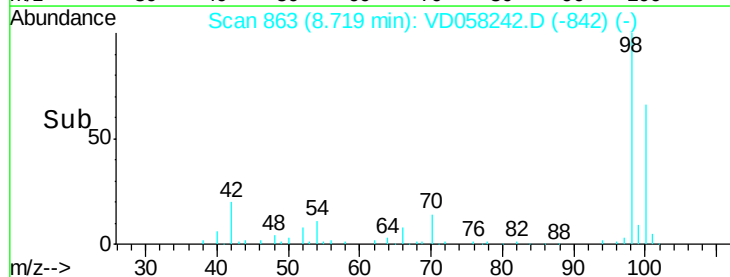
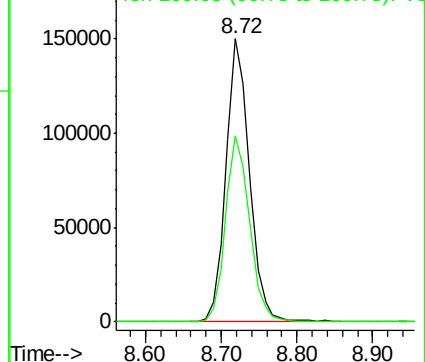
98 100

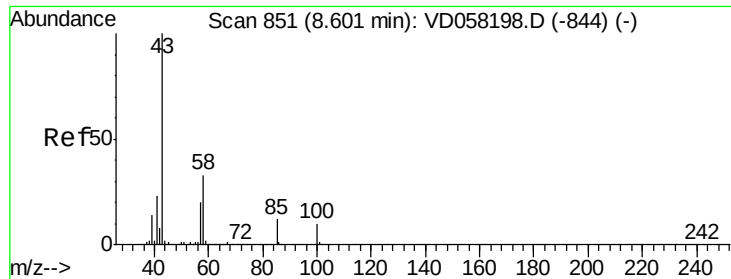
100 65.9 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.14 ug/l

RT: 8.73 min Scan# 864

Delta R.T. 0.13 min

Lab File: VD058242.D

Acq: 21 Jun 2018 8:21

Instrument :

MSVOA_D

ClientSampled :

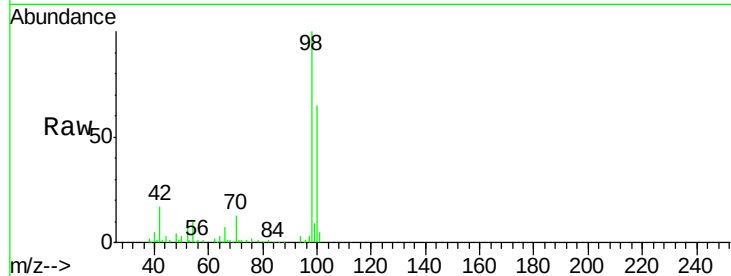
26KV-TP-9

Tot Ion: 43 Resp: 1928

Ion Ratio Lower Upper

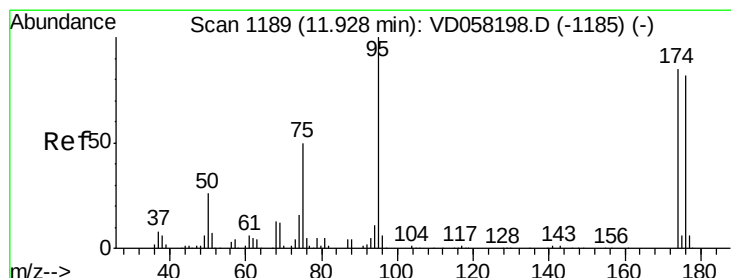
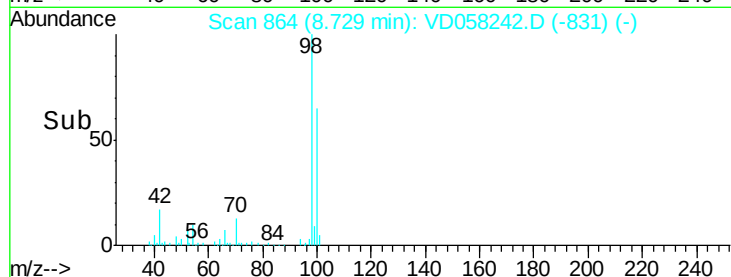
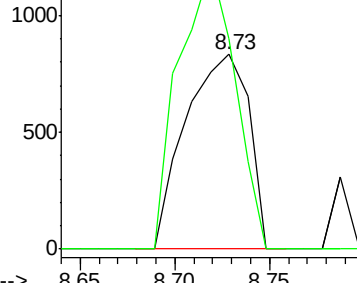
43 100

58 108.2 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058242.D

Acq: 21 Jun 2018 8:21

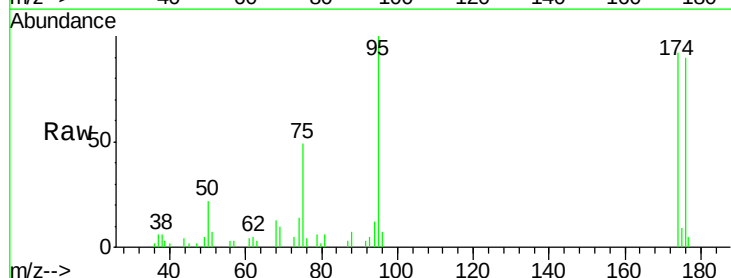
Tgt Ion: 95 Resp: 25842

Ion Ratio Lower Upper

95 100

174 92.3 0.0 170.2

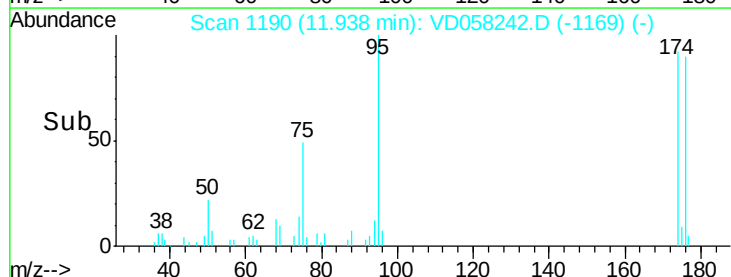
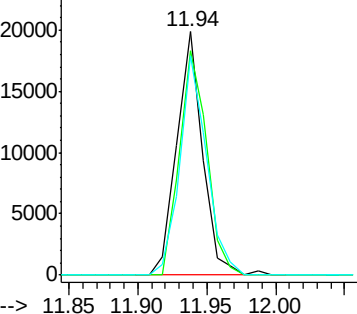
176 90.0 0.0 164.6

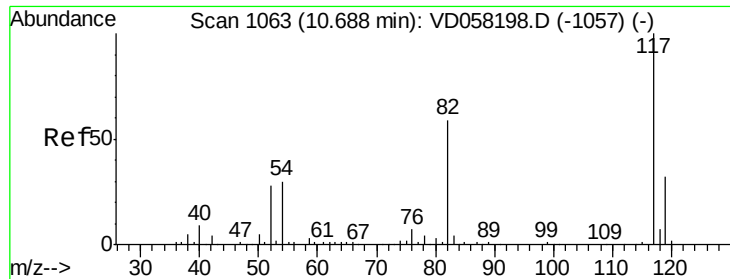


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

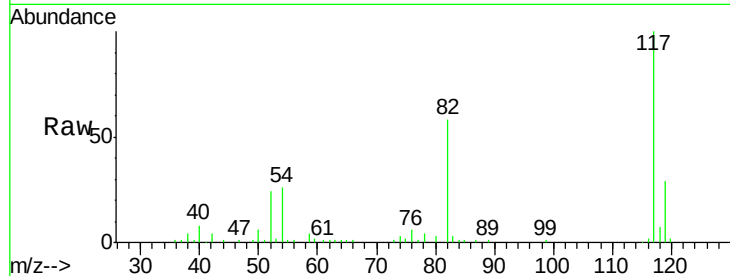




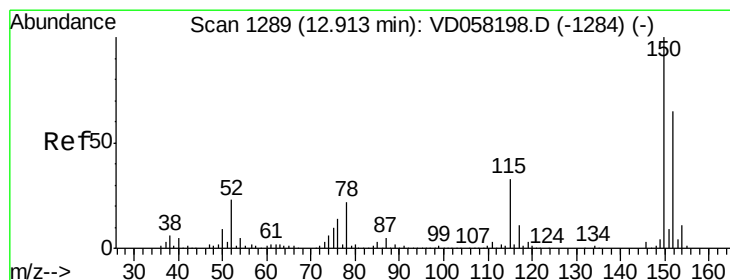
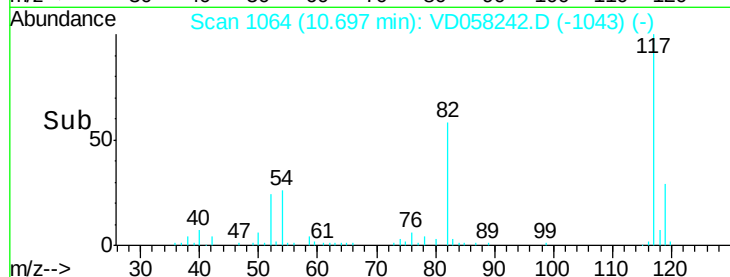
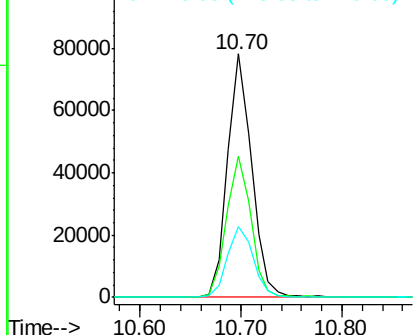
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058242.D
Acq: 21 Jun 2018 8:21

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-9

Tot Ion:117 Resp: 130149
Ion Ratio Lower Upper
117 100
82 57.9 47.0 70.6
119 29.2 25.3 37.9

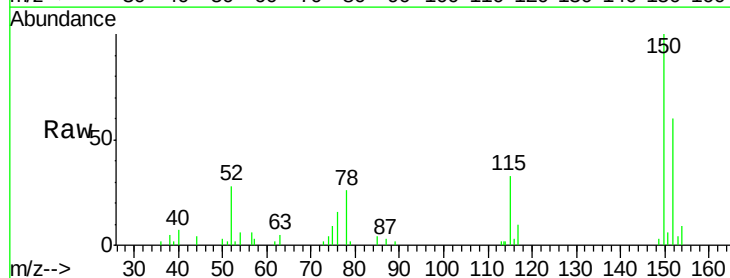


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

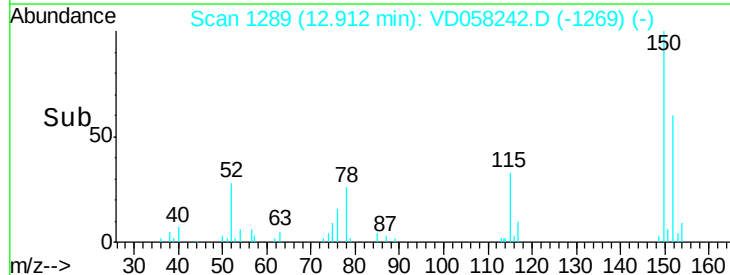
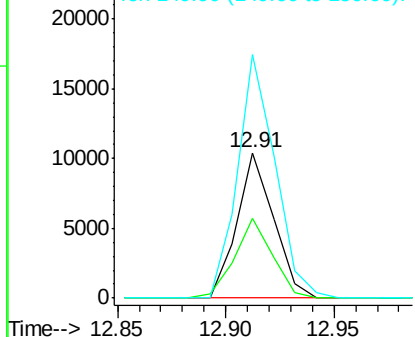


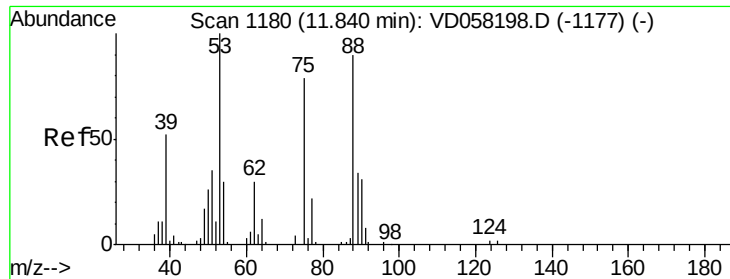
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058242.D
Acq: 21 Jun 2018 8:21

Tgt Ion:152 Resp: 12362
Ion Ratio Lower Upper
152 100
115 55.0 25.1 75.3
150 167.9 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

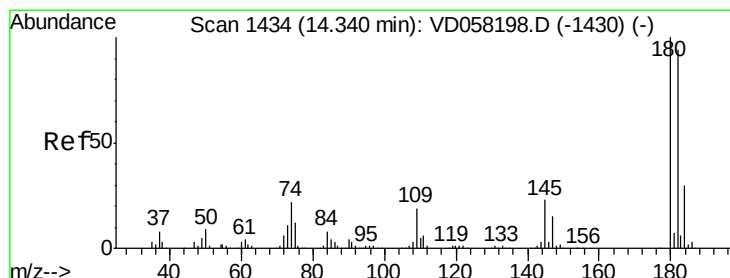
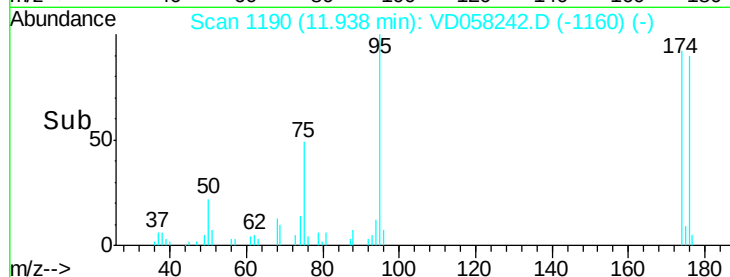
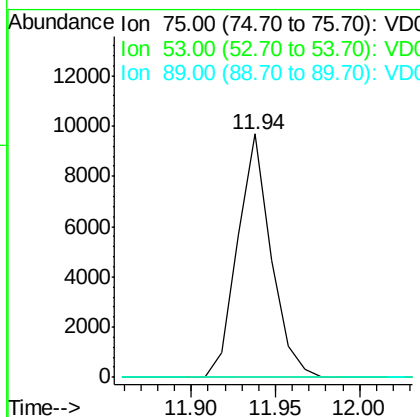
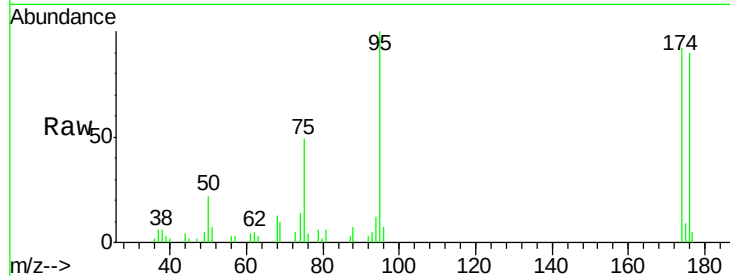




#81
 trans-1,4-Dichloro-2-butene
 Concen: 302.00 ug/l
 RT: 11.94 min Scan# 1190
 Delta R.T. 0.10 min
 Lab File: VD058242.D
 Acq: 21 Jun 2018 8:21

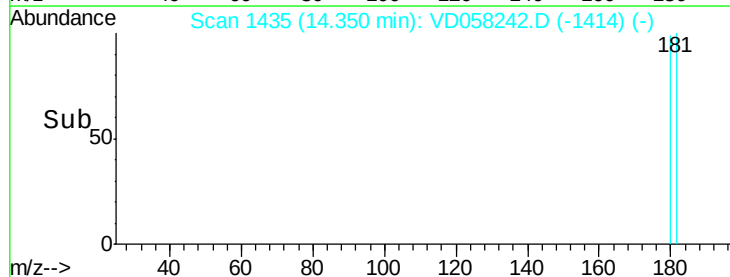
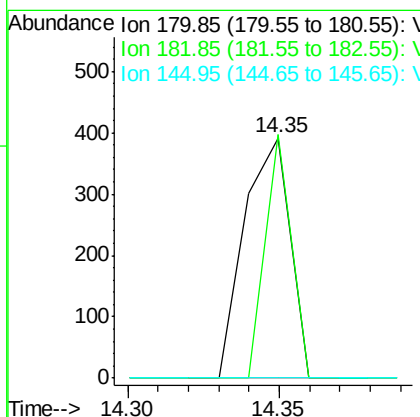
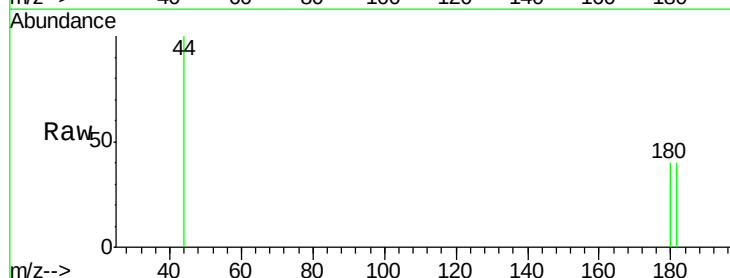
Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-9

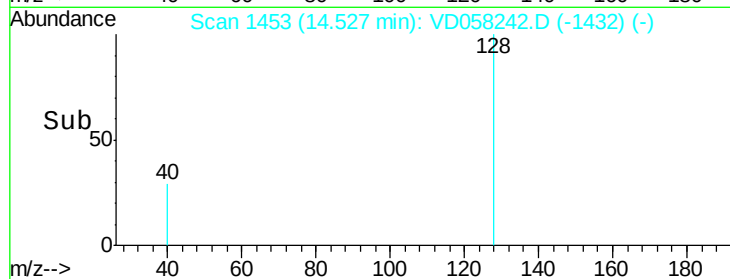
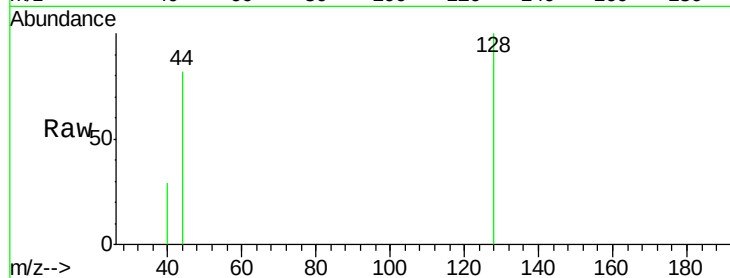
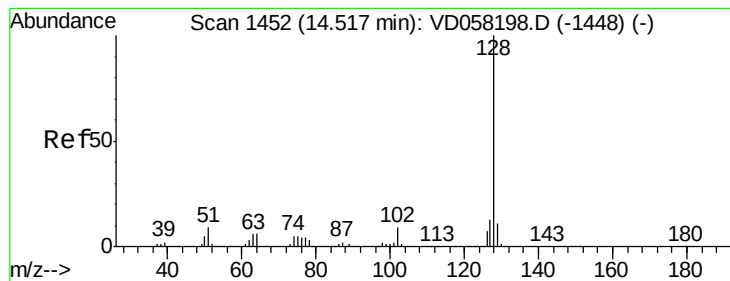
Tot Ion: 75 Resp: 13294
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.8 151.2#
 89 0.0 34.6 52.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.31 ug/l
 RT: 14.35 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD058242.D
 Acq: 21 Jun 2018 8:21

Tgt Ion:180 Resp: 409
 Ion Ratio Lower Upper
 180 100
 182 101.3 47.1 141.3
 145 0.0 11.7 35.0#





#95

Naphthalene

Concen: 3.19 ug/l

RT: 14.53 min Scan# 1453

Delta R.T. 0.01 min

Lab File: VD058242.D

Acq: 21 Jun 2018 8:21

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-9

Tot Ion:128 Resp: 1317

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#

