

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058331.D
 Acq On : 23 Jun 2018 9:26
 Operator : VA/AP
 Sample : J3622-01RE
 Misc : 5.05µl/5ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 275-137-282-284RE

Quant Time: Jun 25 00:56:23 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	5.67	168	649700	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.71	114	897602	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	461544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	180846	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	393087	59.90	ug/l	0.03
Spiked Amount			Recovery	=	119.80%	
35) Dibromofluoromethane	5.57	113	408376	55.90	ug/l	0.02
Spiked Amount			Recovery	=	111.80%	
50) Toluene-d8	8.72	98	527634	29.85	ug/l	0.00
Spiked Amount			Recovery	=	59.70%	
62) 4-Bromofluorobenzene	11.94	95	218626	30.28	ug/l	0.00
Spiked Amount			Recovery	=	60.56%	

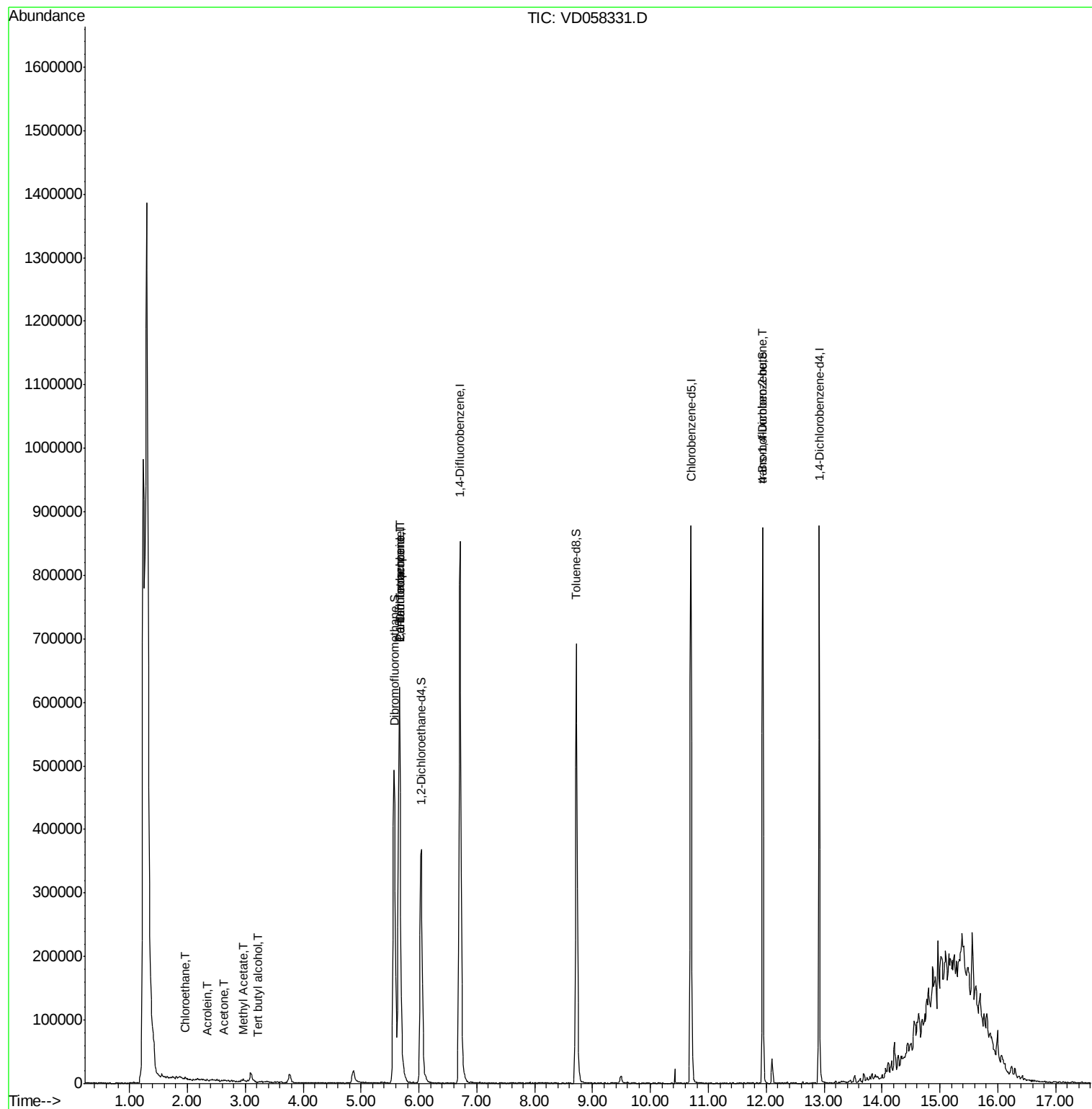
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.37	85	1591	Below Cal	#	43
5) Bromomethane	1.87	94	208	Below Cal	#	3
6) Chloroethane	1.98	64	180	1.529	ug/l #	41
11) Tert butyl alcohol	3.24	59	268	1.238	ug/l #	78
13) Acrolein	2.36	56	179	1.449	ug/l #	11
16) Acetone	2.64	43	1303	1.452	ug/l #	62
18) Methyl Acetate	2.96	43	7482	3.909	ug/l #	65
20) Methylene Chloride	3.09	84	6043	Below Cal	#	71
31) Cyclohexane	5.67	56	16009	Below Cal	#	1
36) 1,1-Dichloropropene	5.66	75	56286	6.339	ug/l #	50
38) Carbon Tetrachloride	5.66	117	52060	5.901	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.94	75	110605	171.753	ug/l #	1

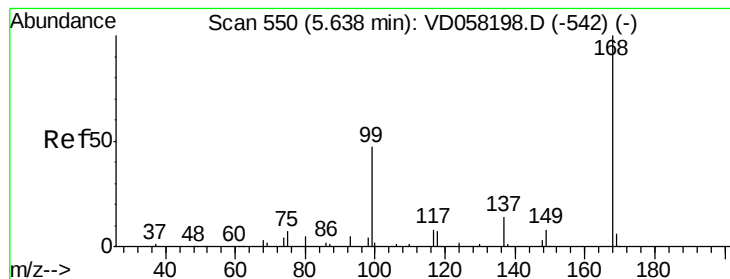
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 553

Delta R.T. 0.03 min

Lab File: VD058331.D

Acq: 23 Jun 2018 9:26

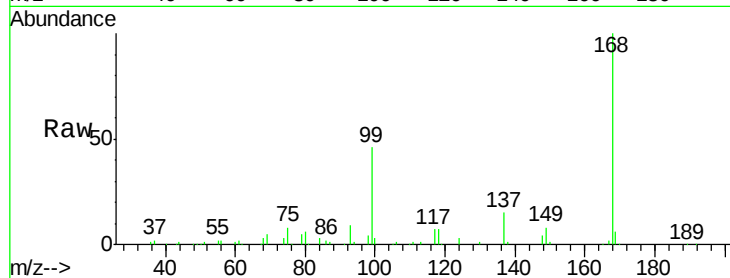
Instrument :
MSVOA_D
ClientSampleId :
275-137-282-284RE

Tot Ion:168 Resp: 649700

Ion Ratio Lower Upper

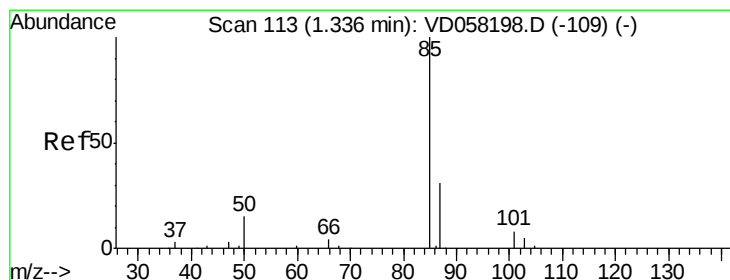
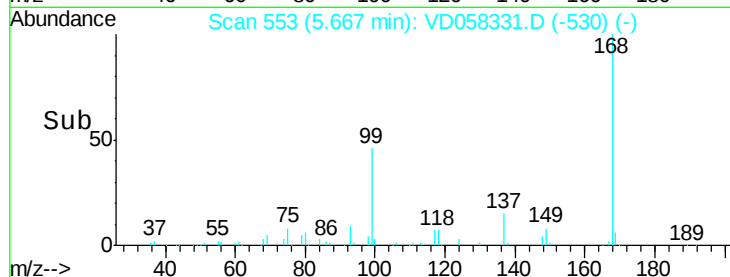
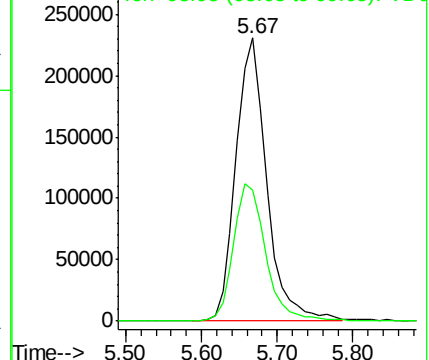
168 100

99 46.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.37 min Scan# 116

Delta R.T. 0.03 min

Lab File: VD058331.D

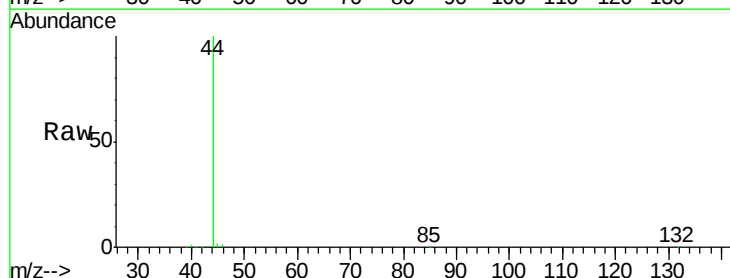
Acq: 23 Jun 2018 9:26

Tgt Ion: 85 Resp: 1591

Ion Ratio Lower Upper

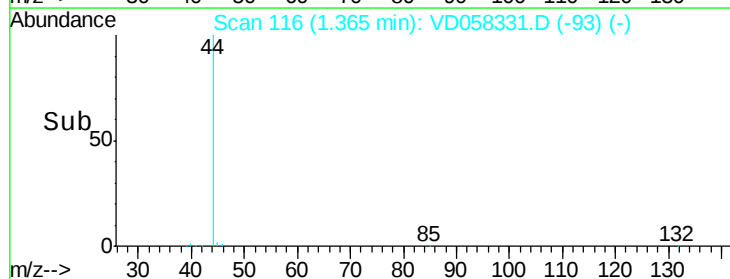
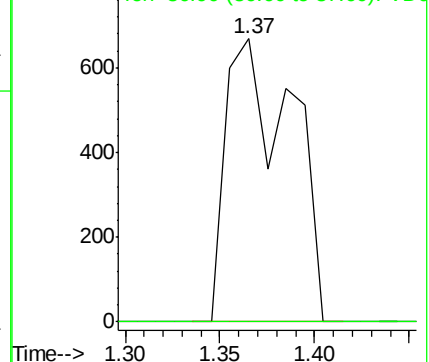
85 100

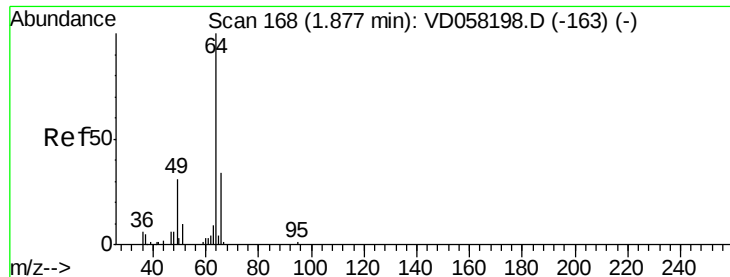
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#6

Chloroethane

Concen: 1.529 ug/l

RT: 1.98 min Scan# 178

Delta R.T. 0.10 min

Lab File: VD058331.D

Acq: 23 Jun 2018 9:26

Instrument :

MSVOA_D

ClientSampleId :

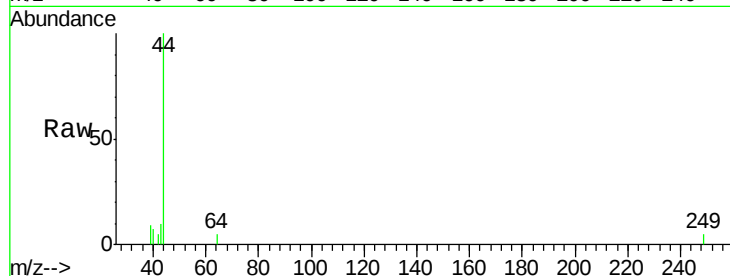
275-137-282-284RE

Tot Ion: 64 Resp: 180

Ion Ratio Lower Upper

64 100

66 0.0 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.98

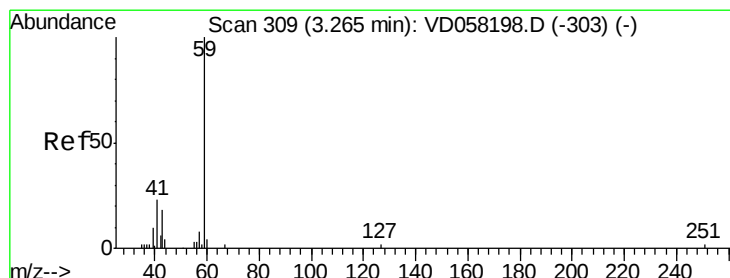
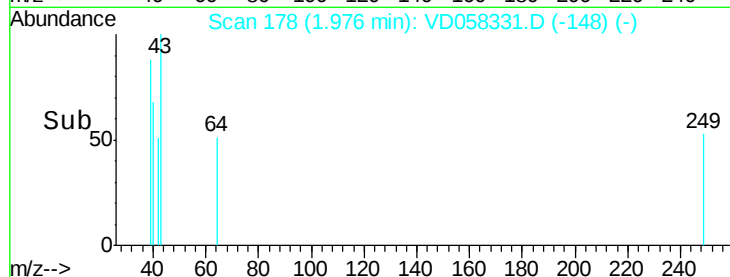
300

200

100

0

Time--> 1.94 1.96 1.98 2.00



#11

Tert butyl alcohol

Concen: 1.238 ug/l

RT: 3.24 min Scan# 306

Delta R.T. -0.03 min

Lab File: VD058331.D

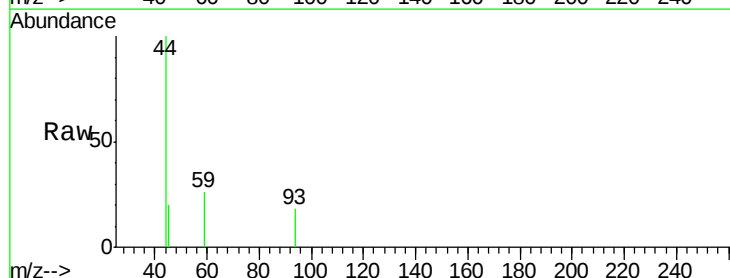
Acq: 23 Jun 2018 9:26

Tgt Ion: 59 Resp: 268

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

3.24

500

400

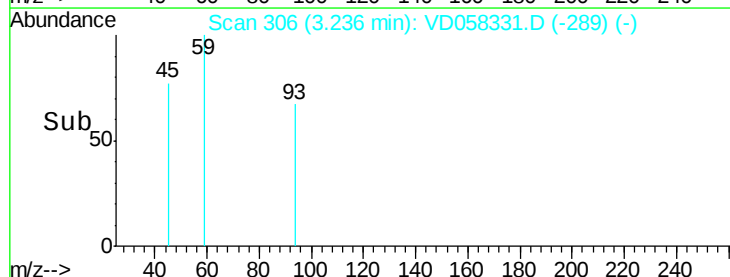
300

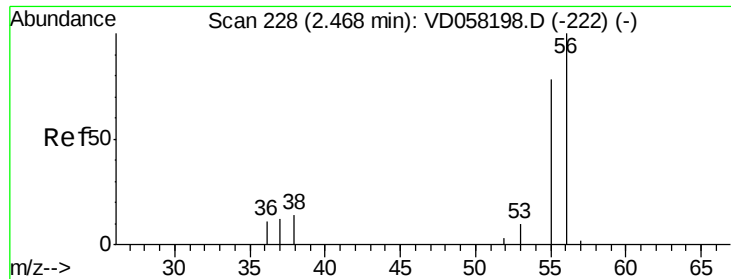
200

100

0

Time--> 3.22 3.24 3.26





#13

Acrolein

Concen: 1.449 ug/l

RT: 2.36 min Scan# 217

Delta R.T. -0.11 min

Lab File: VD058331.D

Acq: 23 Jun 2018 9:26

Instrument :

MSVOA_D

ClientSampleId :

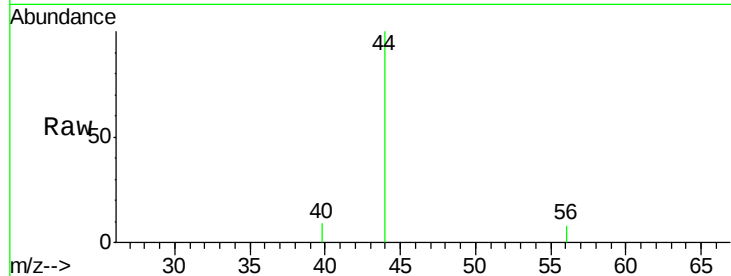
275-137-282-284RE

Tot Ion: 56 Resp: 179

Ion Ratio Lower Upper

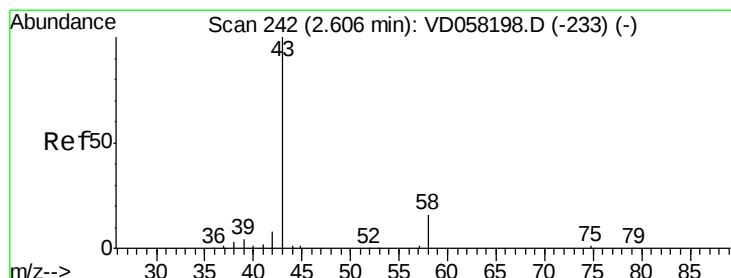
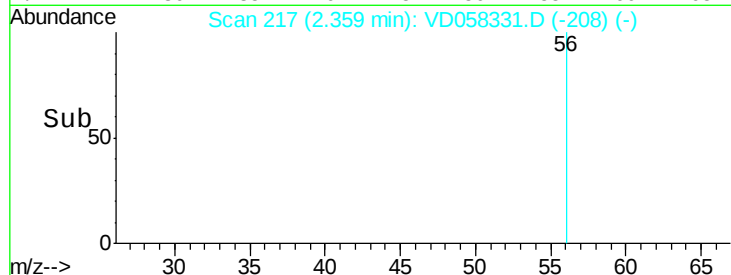
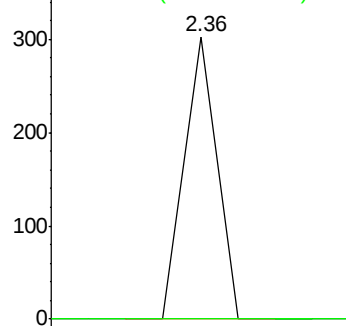
56 100

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: 1.452 ug/l

RT: 2.64 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD058331.D

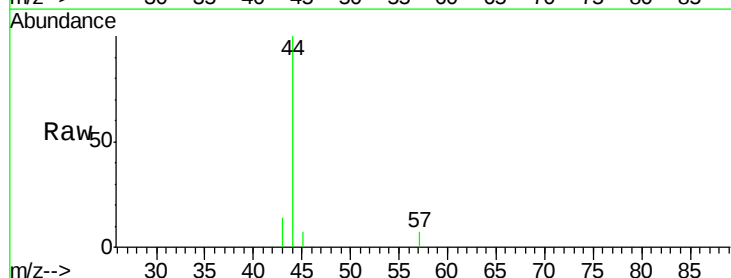
Acq: 23 Jun 2018 9:26

Tgt Ion: 43 Resp: 1303

Ion Ratio Lower Upper

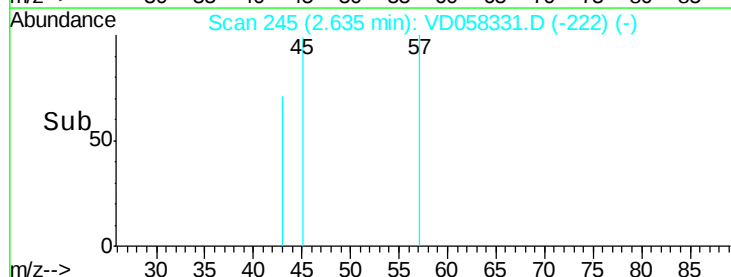
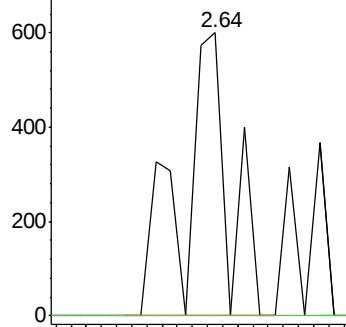
43 100

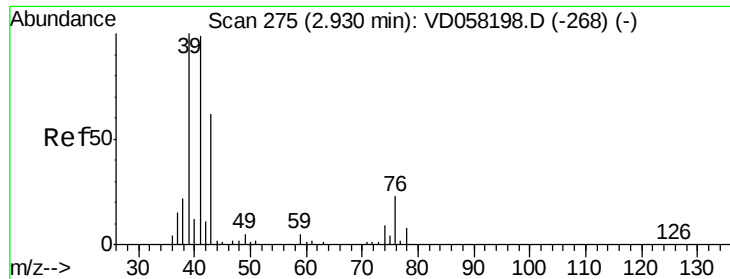
58 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

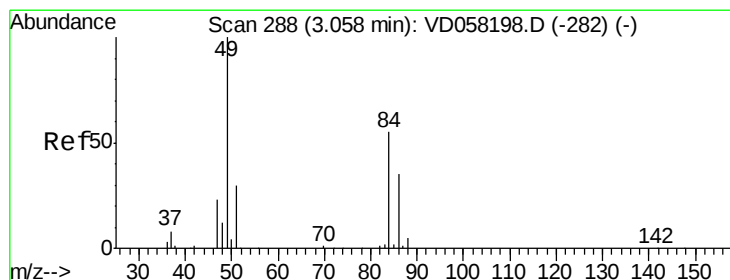
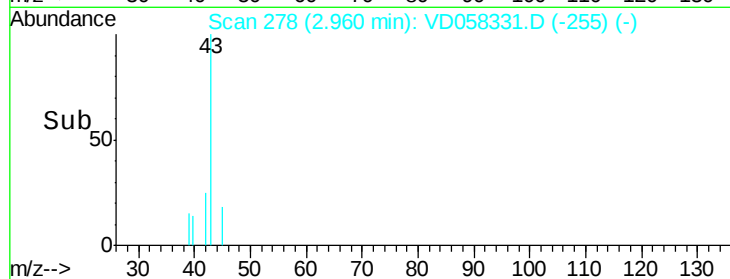
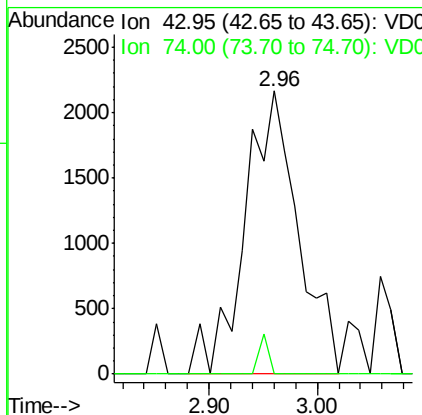
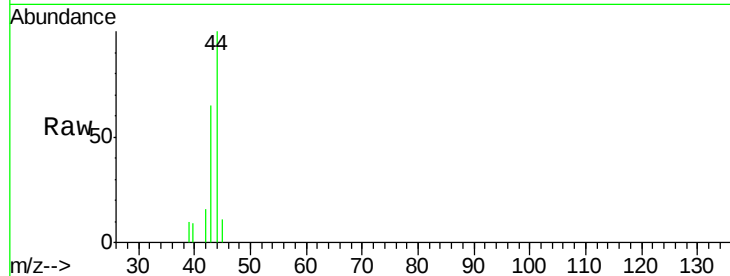




#18
Methyl Acetate
Concen: 3.909 ug/l
RT: 2.96 min Scan# 278
Delta R.T. 0.03 min
Lab File: VD058331.D
Acq: 23 Jun 2018 9:26

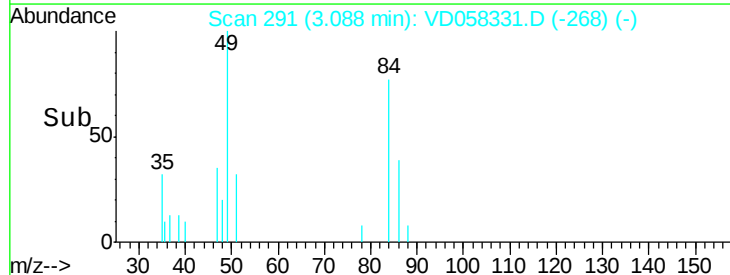
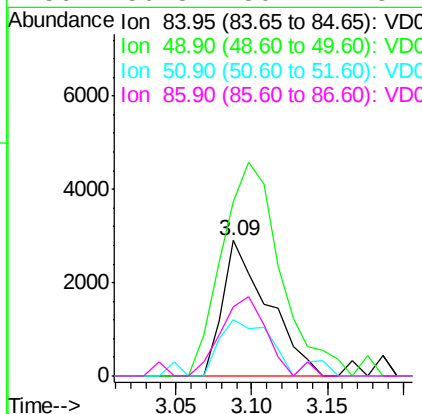
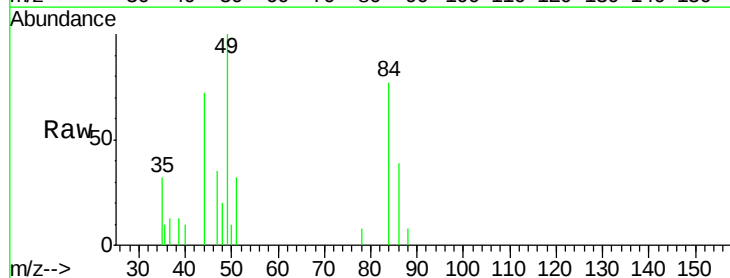
Instrument :
MSVOA_D
ClientSampleId :
275-137-282-284RE

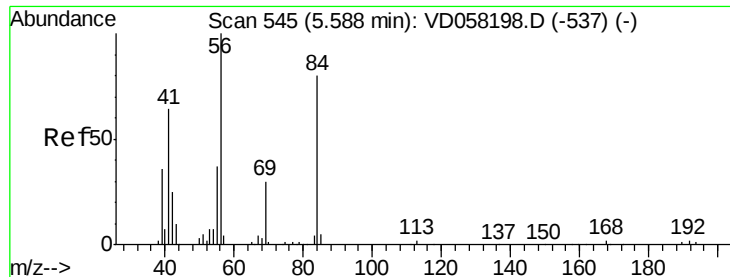
Tot Ion: 43 Resp: 7482
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058331.D
Acq: 23 Jun 2018 9:26

Tgt Ion: 84 Resp: 6043
Ion Ratio Lower Upper
84 100
49 129.1 145.0 217.6#
51 41.4 42.9 64.3#
86 50.8 50.1 75.1

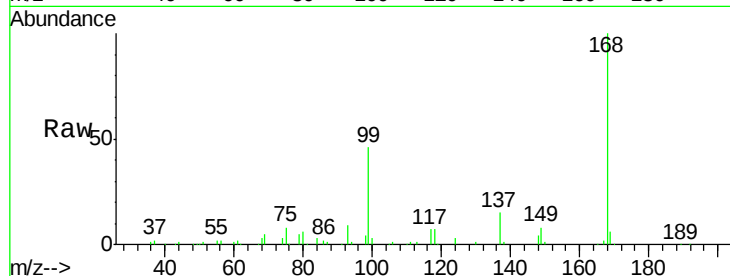




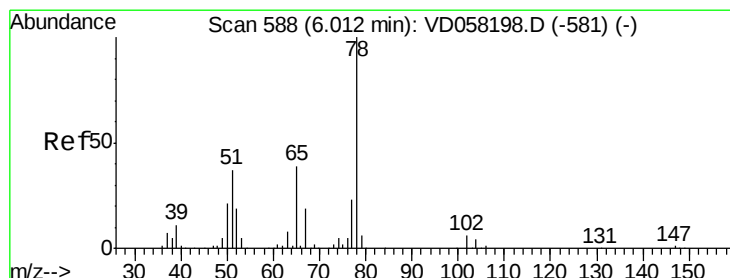
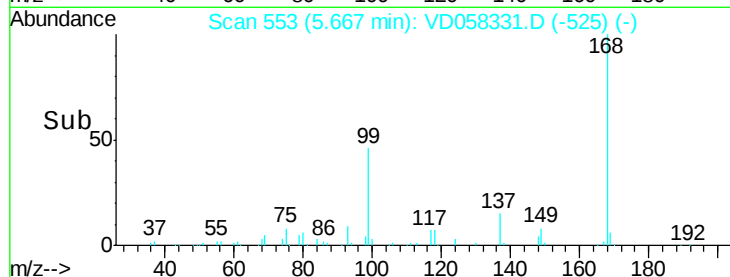
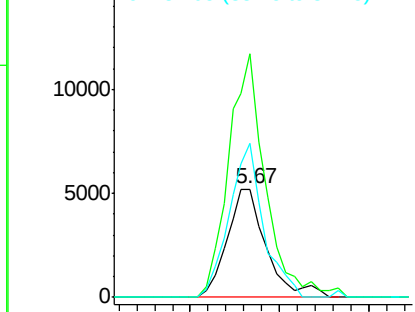
#31
Cyclohexane
Concen: Below Cal
RT: 5.67 min Scan# 553
Delta R.T. 0.08 min
Lab File: VD058331.D
Acq: 23 Jun 2018 9:26

Instrument :
MSVOA_D
ClientSampleId :
275-137-282-284RE

Tot Ion: 56 Resp: 16009
Ion Ratio Lower Upper
56 100
69 224.6 23.6 35.4#
84 142.5 65.2 97.8#

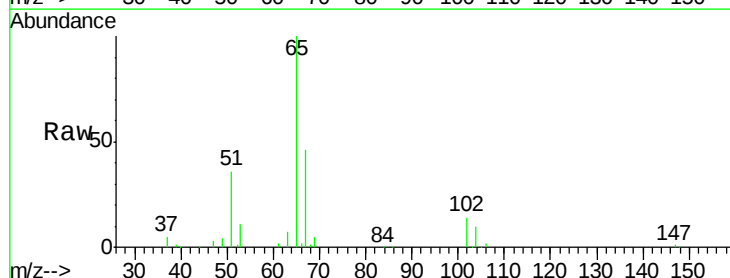


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

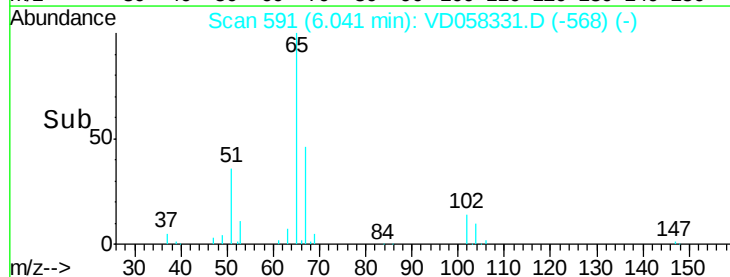
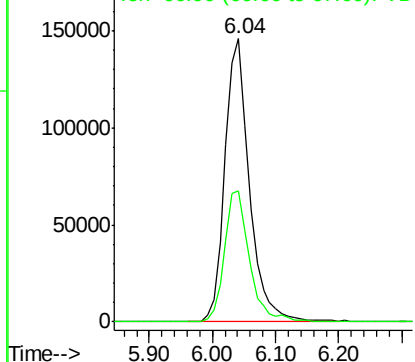


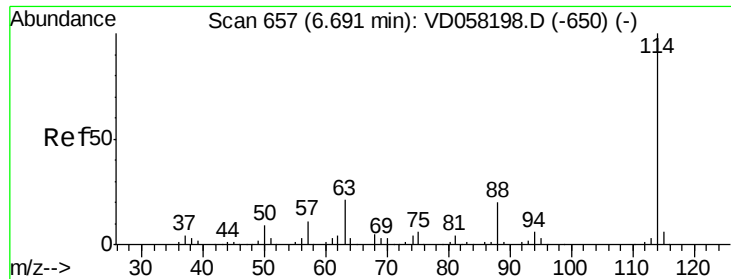
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.04 min Scan# 591
Delta R.T. 0.03 min
Lab File: VD058331.D
Acq: 23 Jun 2018 9:26

Tgt Ion: 65 Resp: 393087
Ion Ratio Lower Upper
65 100
67 46.2 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

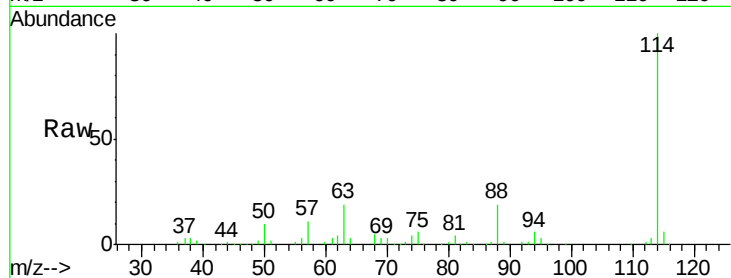




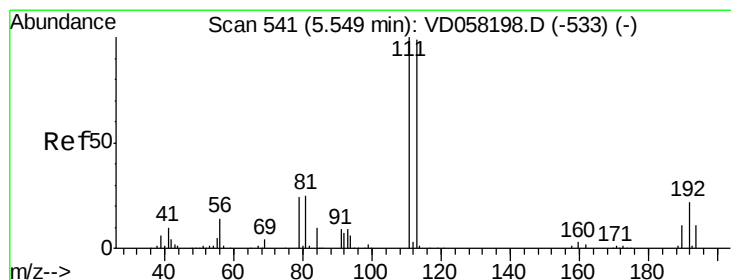
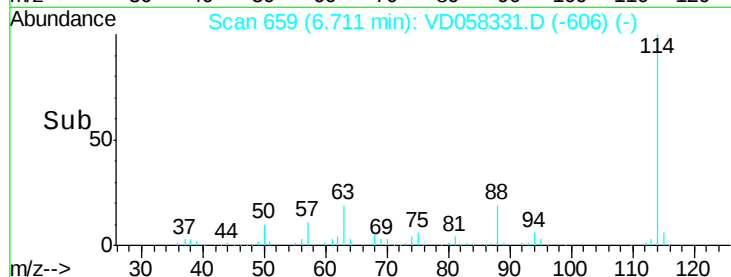
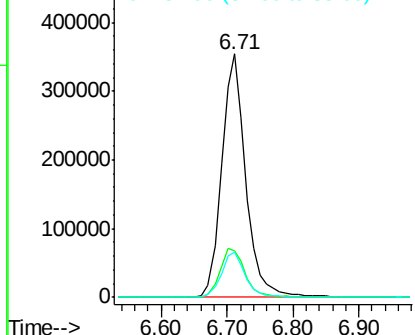
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058331.D
 Acq: 23 Jun 2018 9:26

Instrument :
 MSVOA_D
 ClientSampleId :
 275-137-282-284RE

Tot Ion:114 Resp: 897602
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 42.6
 88 18.8 0.0 40.6

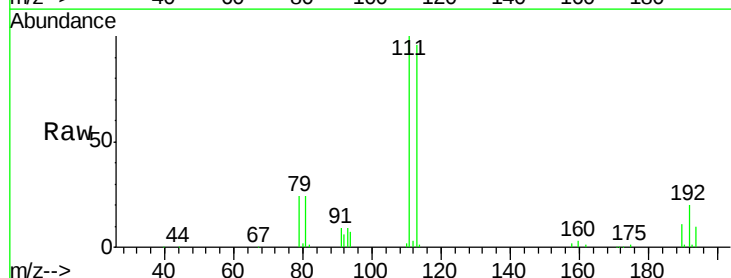


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

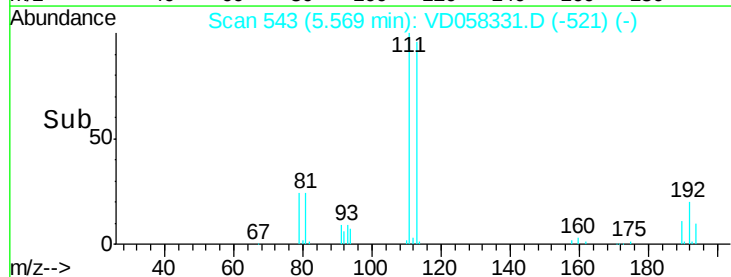
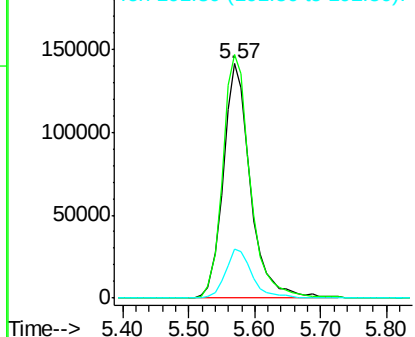


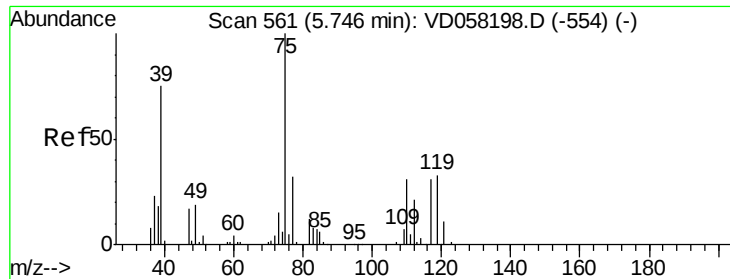
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VD058331.D
 Acq: 23 Jun 2018 9:26

Tgt Ion:113 Resp: 408376
 Ion Ratio Lower Upper
 113 100
 111 104.0 80.6 121.0
 192 20.9 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: 6.339 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.09 min

Lab File: VD058331.D

Acq: 23 Jun 2018 9:26

Instrument :

MSVOA_D

ClientSampleId :

275-137-282-284RE

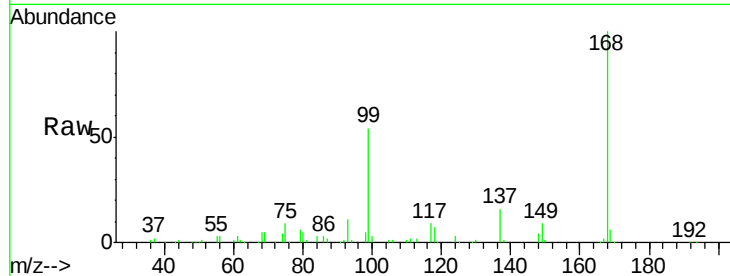
Tot Ion: 75 Resp: 56286

Ion Ratio Lower Upper

75 100

110 7.3 15.4 46.4#

77 0.0 25.4 38.2#

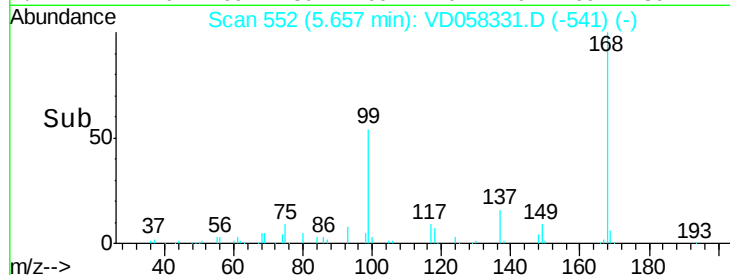


Abundance Ion 75.00 (74.70 to 75.70): V

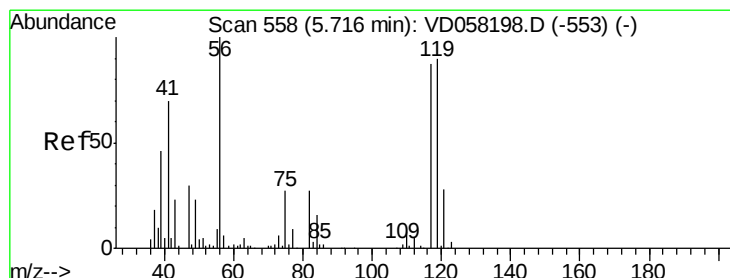
Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 5.901 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

Lab File: VD058331.D

Acq: 23 Jun 2018 9:26

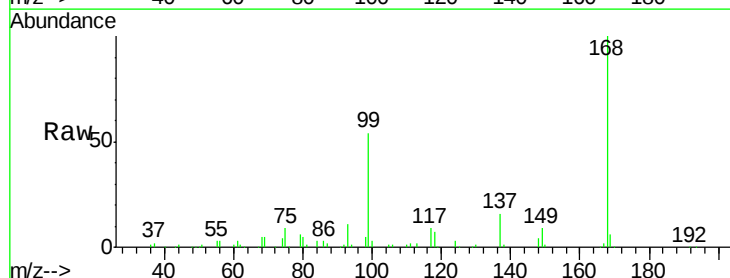
Tgt Ion: 117 Resp: 52060

Ion Ratio Lower Upper

117 100

119 5.0 78.8 118.2#

121 0.0 25.0 37.6#

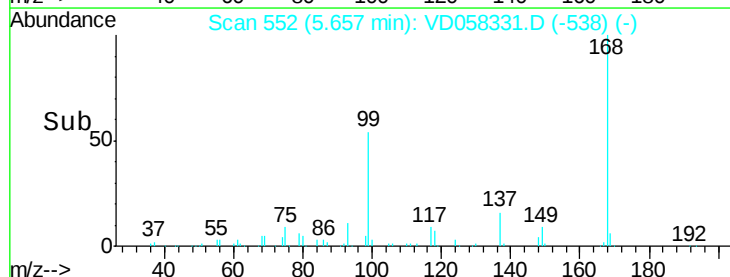


Abundance Ion 116.85 (116.55 to 117.55): V

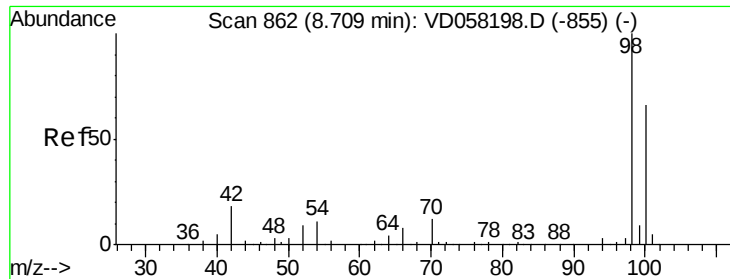
Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

Time-->



Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058331.D

Acq: 23 Jun 2018 9:26

Instrument :

MSVOA_D

ClientSampleId :

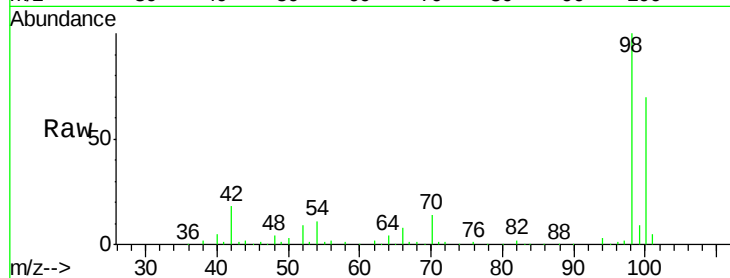
275-137-282-284RE

Tot Ion: 98 Resp: 527634

Ion Ratio Lower Upper

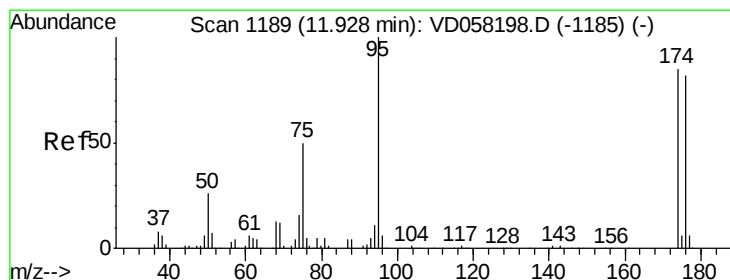
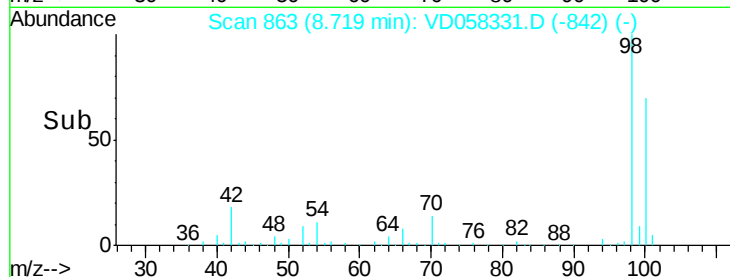
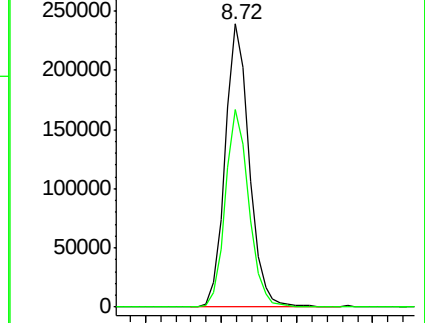
98 100

100 69.8 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058331.D

Acq: 23 Jun 2018 9:26

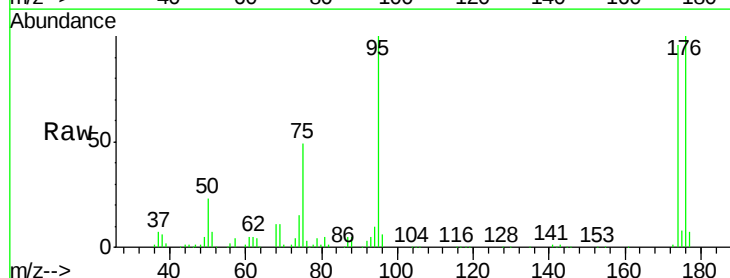
Tgt Ion: 95 Resp: 218626

Ion Ratio Lower Upper

95 100

174 95.7 0.0 170.2

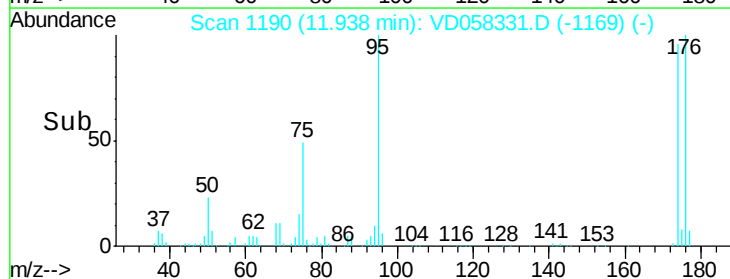
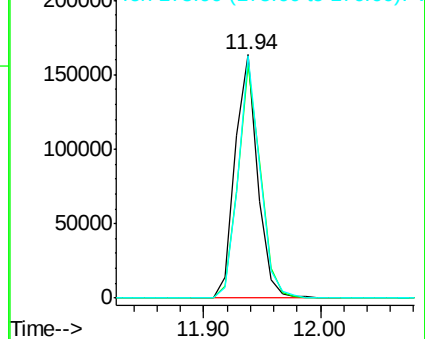
176 99.7 0.0 164.6

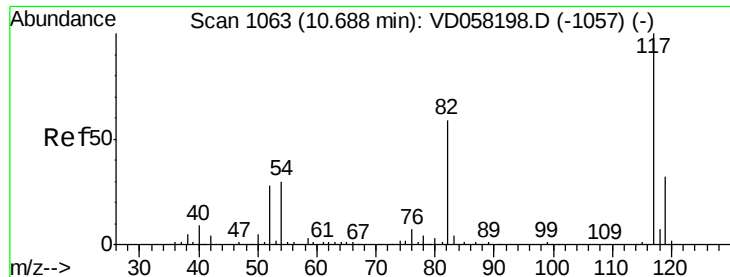


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

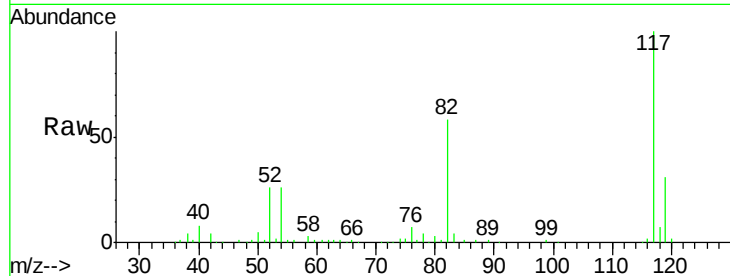




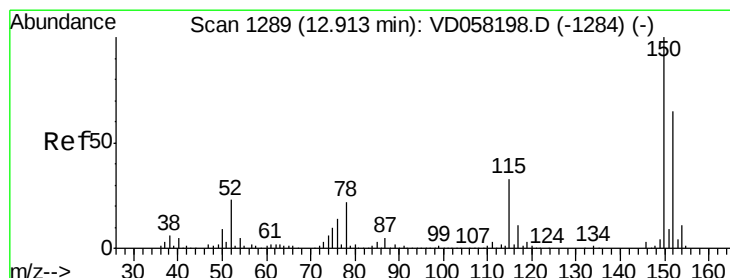
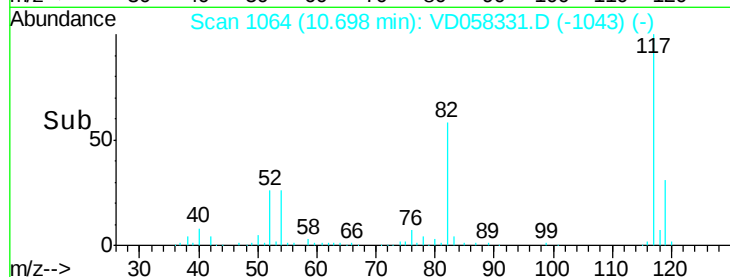
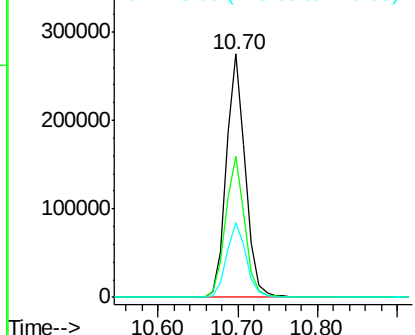
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058331.D
Acq: 23 Jun 2018 9:26

Instrument :
MSVOA_D
ClientSampleId :
275-137-282-284RE

Tot Ion:117 Resp: 461544
Ion Ratio Lower Upper
117 100
82 58.1 47.0 70.6
119 30.9 25.3 37.9

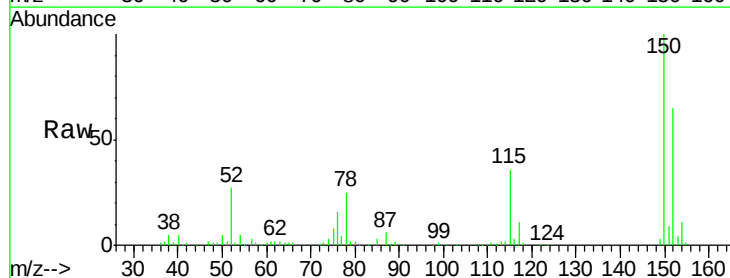


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

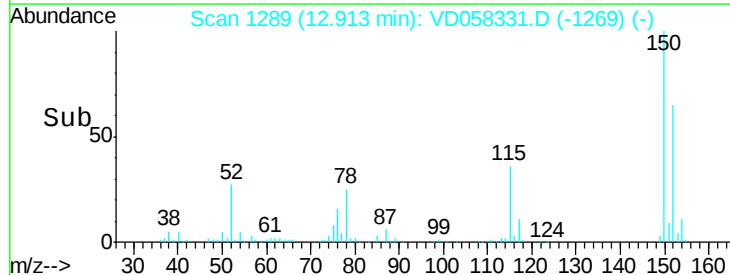
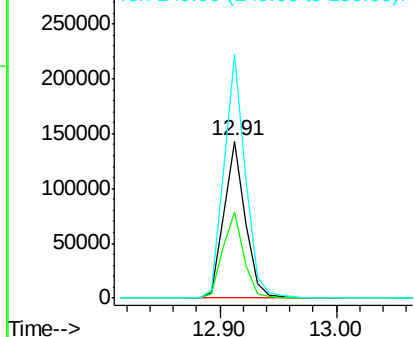


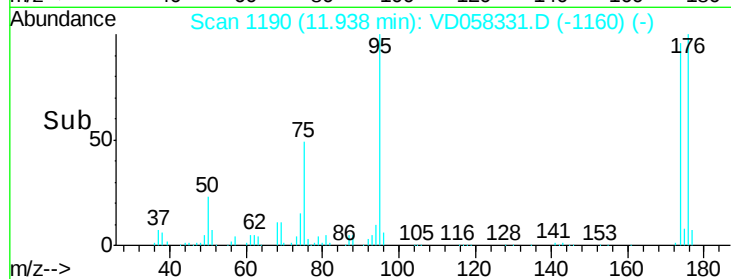
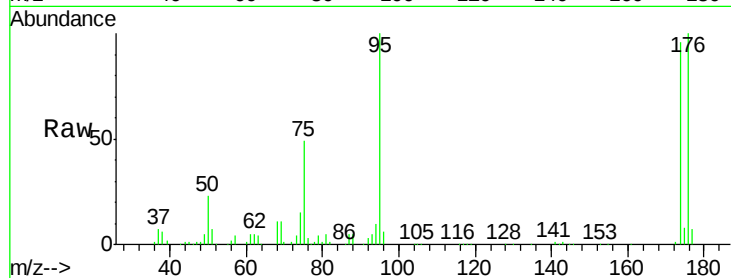
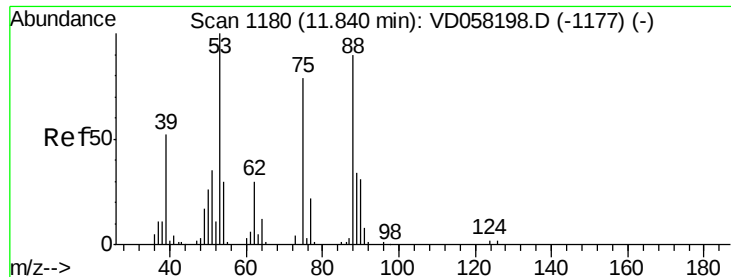
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058331.D
Acq: 23 Jun 2018 9:26

Tgt Ion:152 Resp: 180846
Ion Ratio Lower Upper
152 100
115 55.1 25.1 75.3
150 155.0 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: 171.753 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058331.D

Acq: 23 Jun 2018 9:26

Instrument :

MSVOA_D

ClientSampleId :

275-137-282-284RE

Tot Ion: 75 Resp: 110605

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

89 0.0 34.6 52.0#

