

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058270.D
 Acq On : 22 Jun 2018 1:30
 Operator : VA/AP
 Sample : VD0621SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBL02

Quant Time: Jun 22 06:18:48 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	5.65	168	960561	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1246988	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1029640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	530851	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	538299	55.48	ug/l	0.02
Spiked Amount			Recovery	=	110.96%	
35) Dibromofluoromethane	5.55	113	548836	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	
50) Toluene-d8	8.71	98	1257586	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.93	95	536730	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	

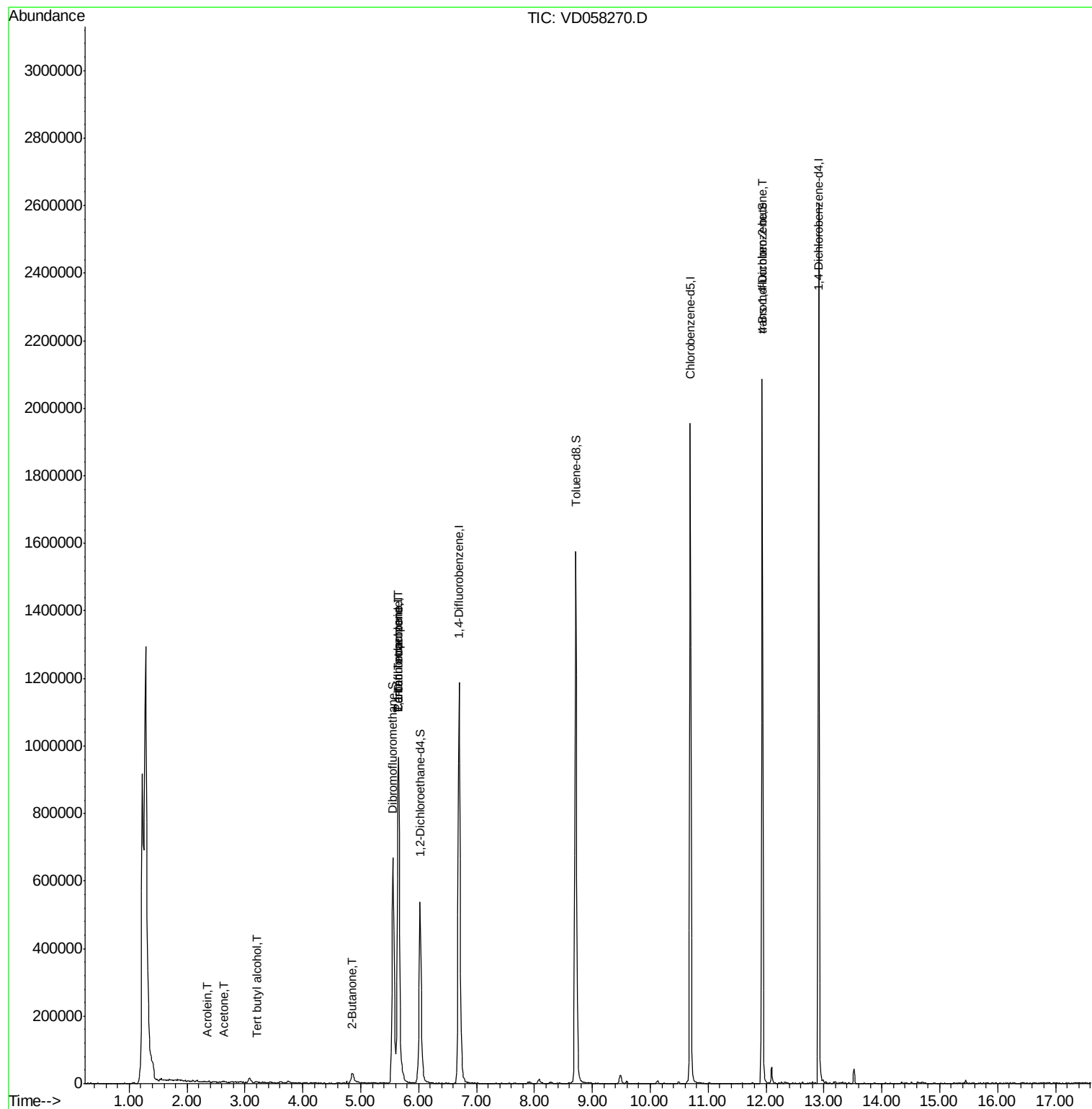
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	588	Below Cal	#	43
3) Chloromethane	1.59	50	230	Below Cal	#	43
11) Tert butyl alcohol	3.20	59	3143	9.822	ug/l #	78
13) Acrolein	2.35	56	195	1.067	ug/l #	11
16) Acetone	2.64	43	8166	6.154	ug/l #	62
20) Methylene Chloride	3.08	84	5804	Below Cal		93
25) 2-Butanone	4.86	43	4260	1.473	ug/l #	60
31) Cyclohexane	5.64	56	20877	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	81683	6.622	ug/l #	49
38) Carbon Tetrachloride	5.65	117	81679	6.664	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.93	75	262593	138.915	ug/l #	1
82) 4-Chlorotoluene	12.33	91	1450	Below Cal	#	67

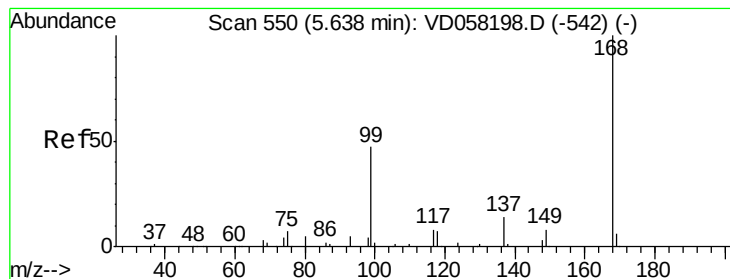
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062118\
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.02 min

Lab File: VD058270.D

Acq: 22 Jun 2018 1:30

Instrument :

MSVOA_D

ClientSampleId :

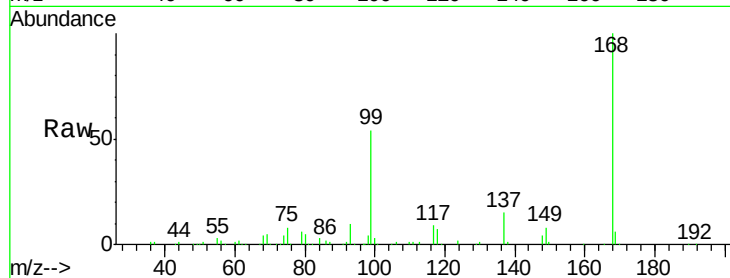
VD0621SBL02

Tot Ion:168 Resp: 960561

Ion Ratio Lower Upper

168 100

99 54.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

300000

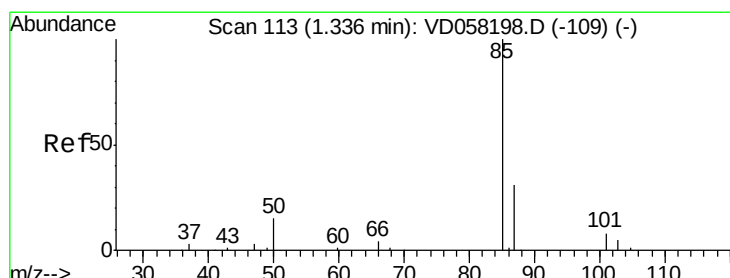
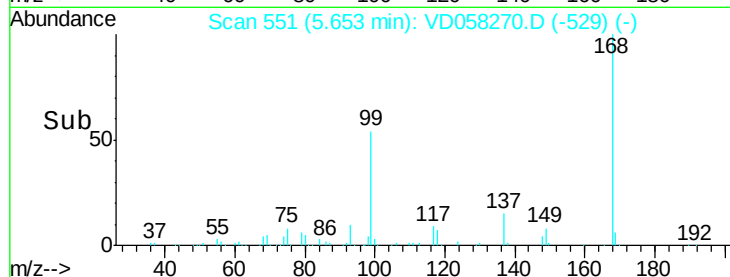
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.34 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD058270.D

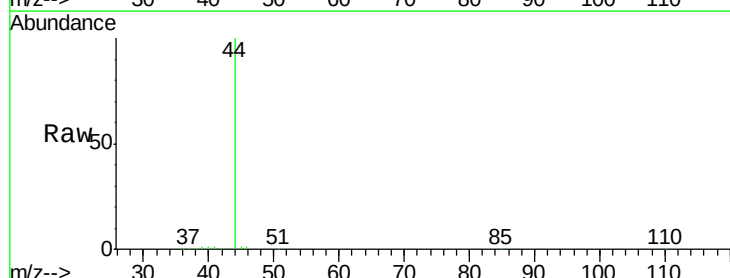
Acq: 22 Jun 2018 1:30

Tgt Ion: 85 Resp: 588

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

1.34

600

500

400

300

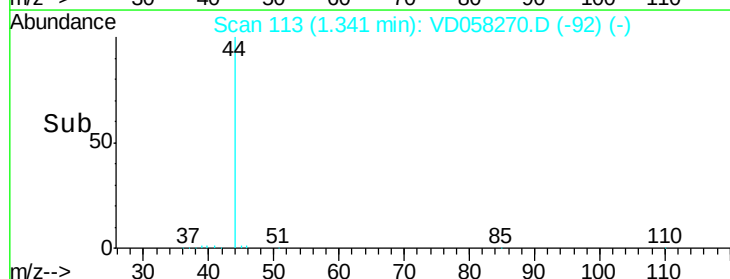
200

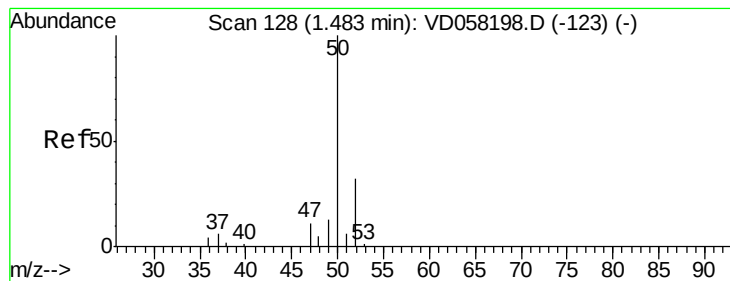
100

0

Time-->

1.30 1.35 1.40





#3

Chloromethane

Concen: Below Cal

RT: 1.59 min Scan# 138

Delta R.T. 0.10 min

Lab File: VD058270.D

Acq: 22 Jun 2018 1:30

Instrument :

MSVOA_D

ClientSampleId :

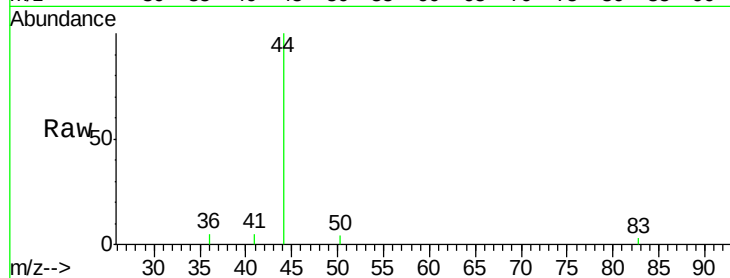
VD0621SBL02

Tot Ion: 50 Resp: 230

Ion Ratio Lower Upper

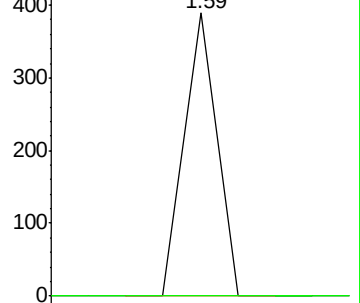
50 100

52 0.0 25.0 37.4#

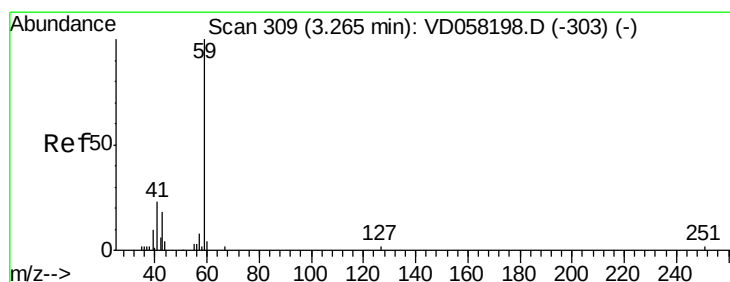
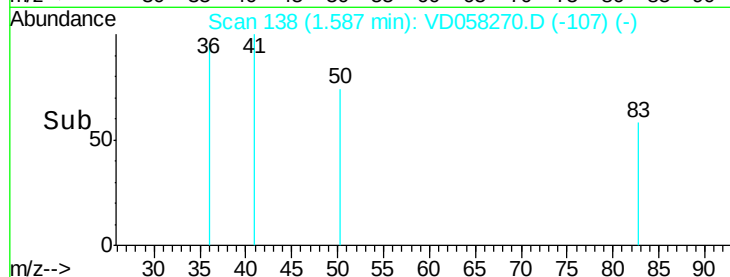


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: 9.822 ug/l

RT: 3.20 min Scan# 302

Delta R.T. -0.06 min

Lab File: VD058270.D

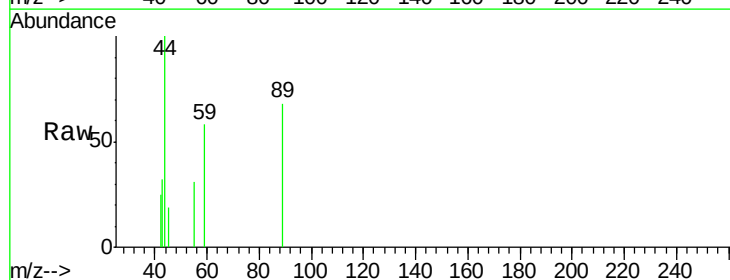
Acq: 22 Jun 2018 1:30

Tgt Ion: 59 Resp: 3143

Ion Ratio Lower Upper

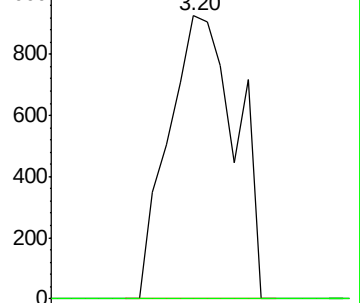
59 100

57 0.0 6.2 9.4#

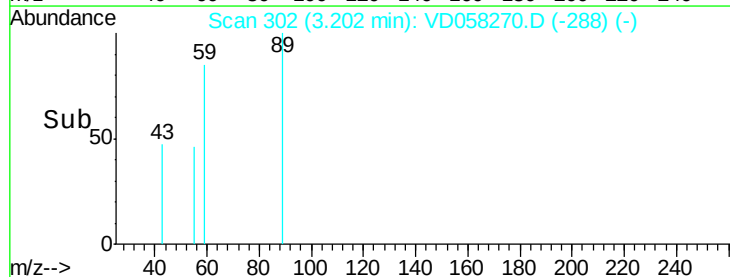


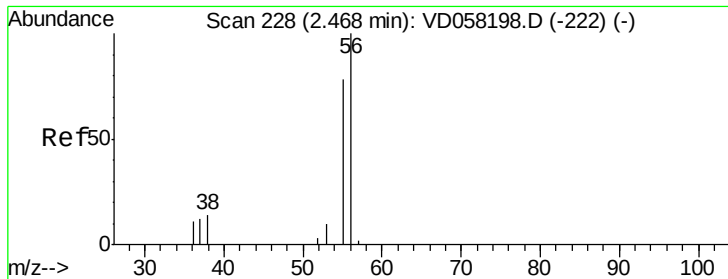
Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



Time-->





#13

Acrolein

Concen: 1.067 ug/l

RT: 2.35 min Scan# 215

Delta R.T. -0.12 min

Lab File: VD058270.D

Acq: 22 Jun 2018 1:30

Instrument :

MSVOA_D

ClientSampleId :

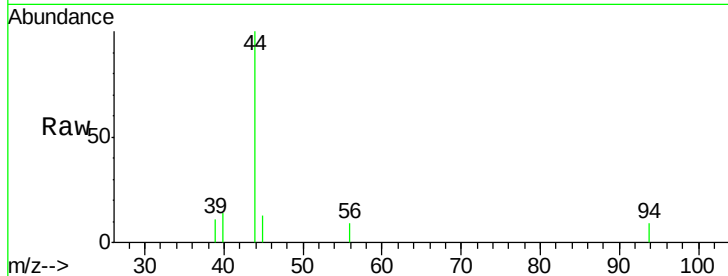
VD0621SBL02

Tot Ion: 56 Resp: 195

Ion Ratio Lower Upper

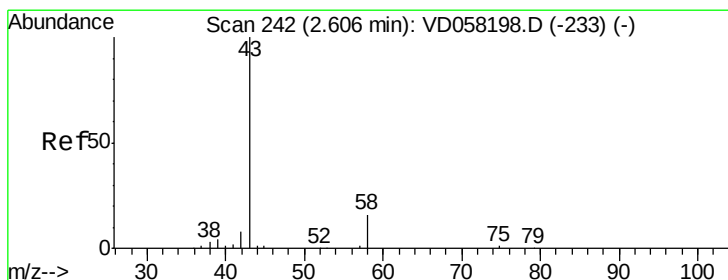
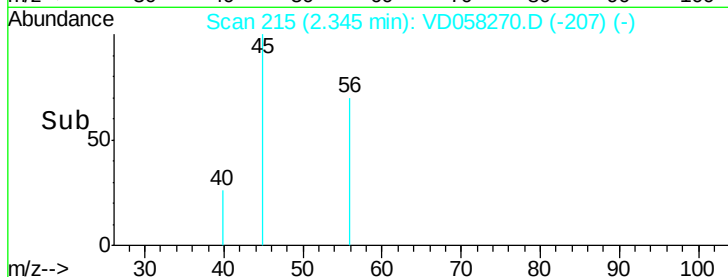
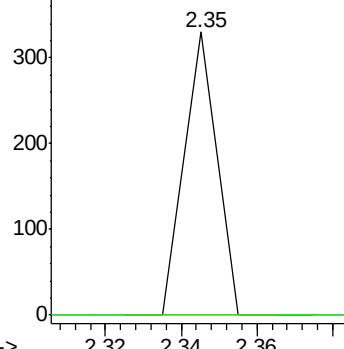
56 100

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: 6.154 ug/l

RT: 2.64 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD058270.D

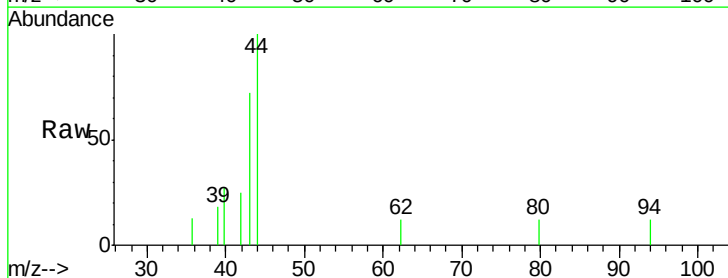
Acq: 22 Jun 2018 1:30

Tgt Ion: 43 Resp: 8166

Ion Ratio Lower Upper

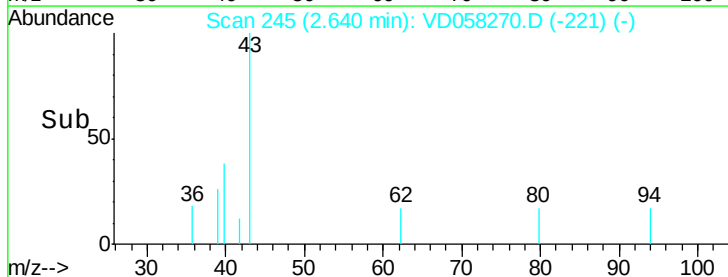
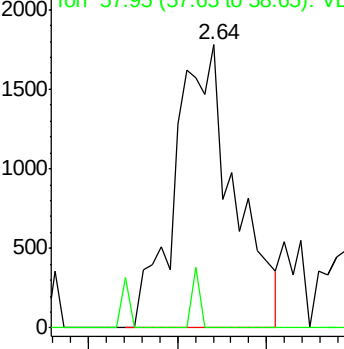
43 100

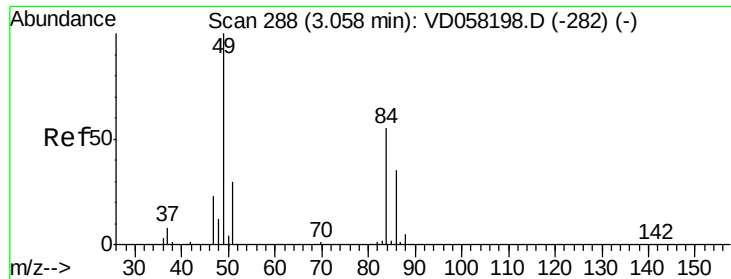
58 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

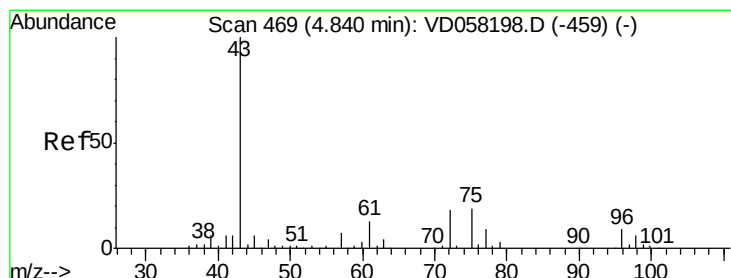
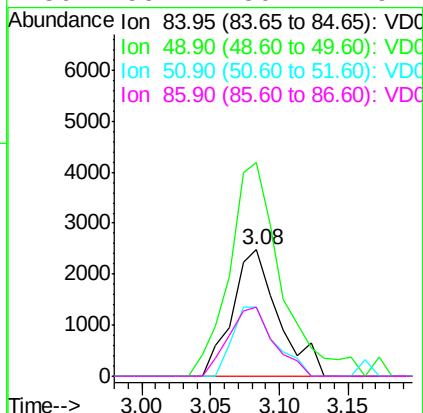
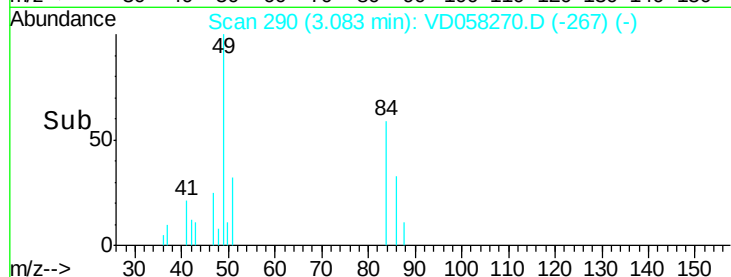
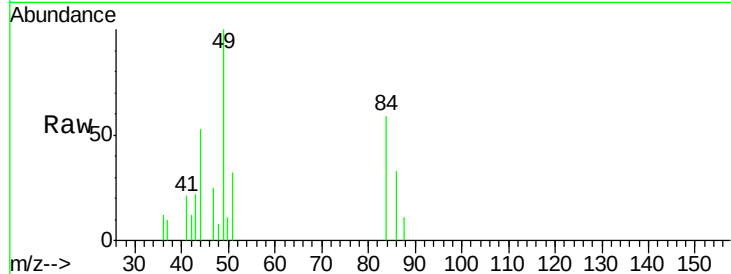




#20
Methylene Chloride
Concen: Below Cal
RT: 3.08 min Scan# 290
Delta R.T. 0.03 min
Lab File: VD058270.D
Acq: 22 Jun 2018 1:30

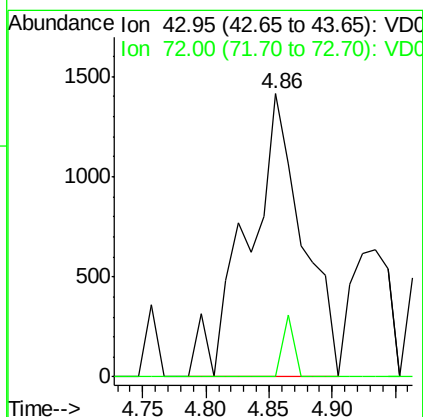
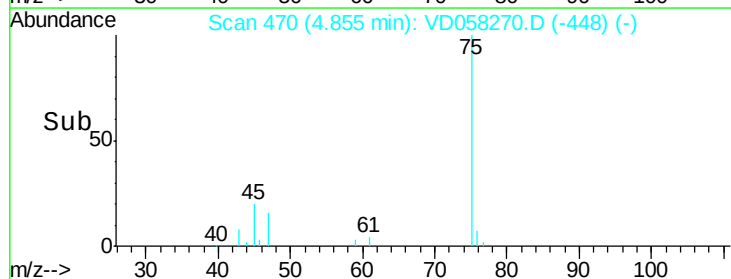
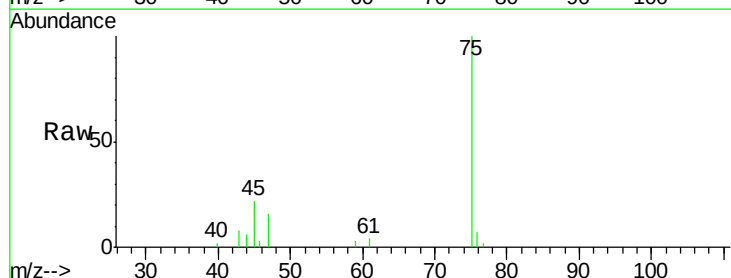
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBL02

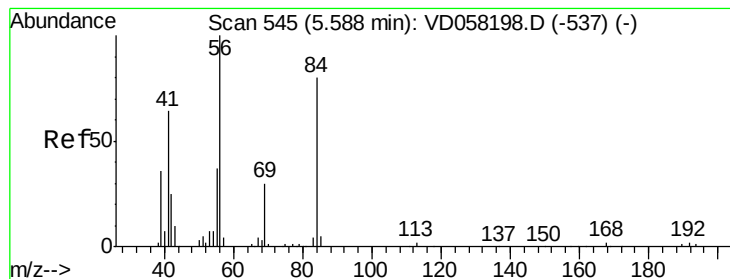
Tot Ion: 84 Resp: 5804
Ion Ratio Lower Upper
84 100
49 169.2 145.0 217.6
51 54.6 42.9 64.3
86 55.2 50.1 75.1



#25
2-Butanone
Concen: 1.473 ug/l
RT: 4.86 min Scan# 470
Delta R.T. 0.02 min
Lab File: VD058270.D
Acq: 22 Jun 2018 1:30

Tgt Ion: 43 Resp: 4260
Ion Ratio Lower Upper
43 100
72 0.0 14.1 21.1#





#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.05 min

Lab File: VD058270.D

Acq: 22 Jun 2018 1:30

Instrument :

MSVOA_D

ClientSampleID :

VD0621SBL02

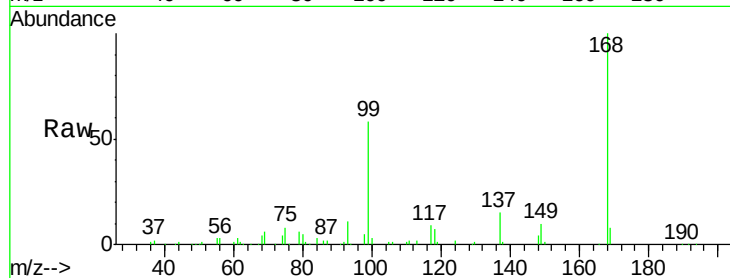
Tot Ion: 56 Resp: 20877

Ion Ratio Lower Upper

56 100

69 230.6 23.6 35.4#

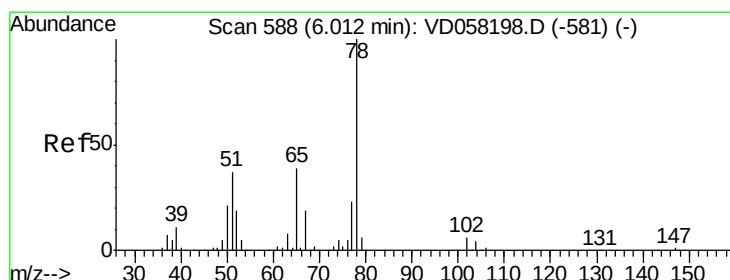
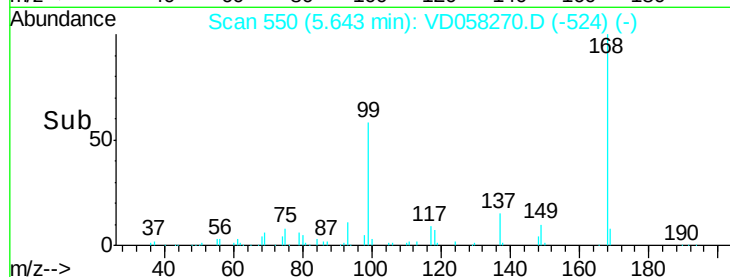
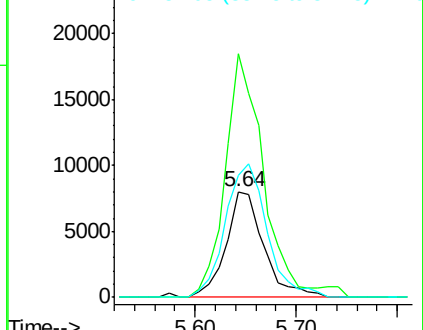
84 115.6 65.2 97.8#



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: Below ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.02 min

Lab File: VD058270.D

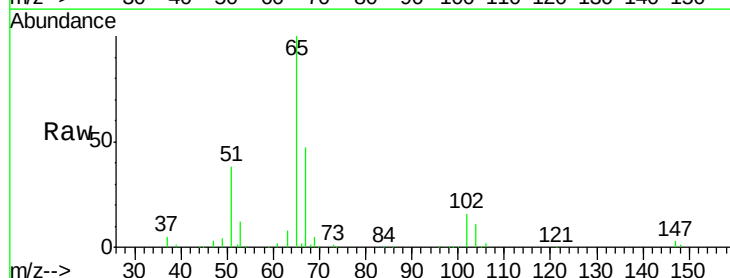
Acq: 22 Jun 2018 1:30

Tgt Ion: 65 Resp: 538299

Ion Ratio Lower Upper

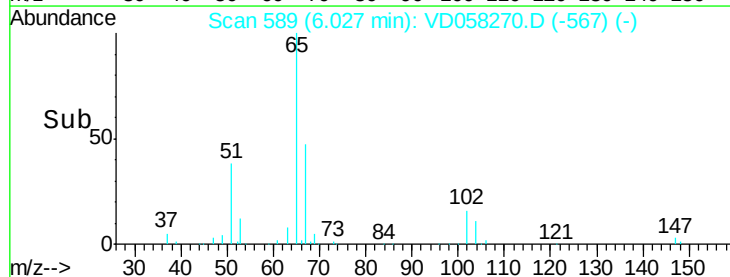
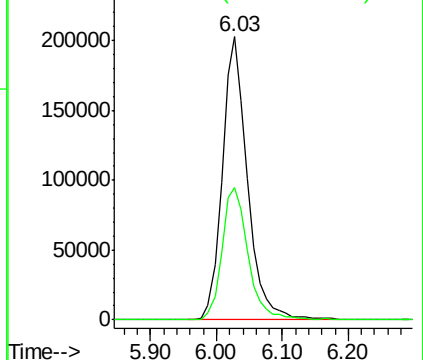
65 100

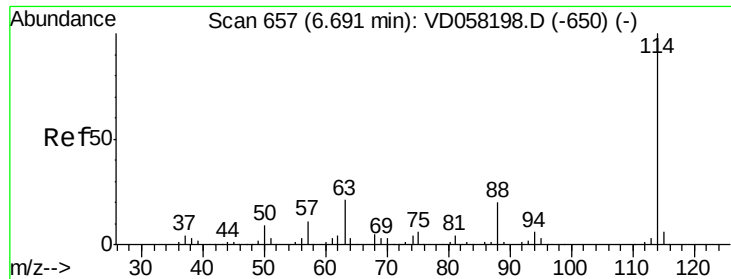
67 46.9 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

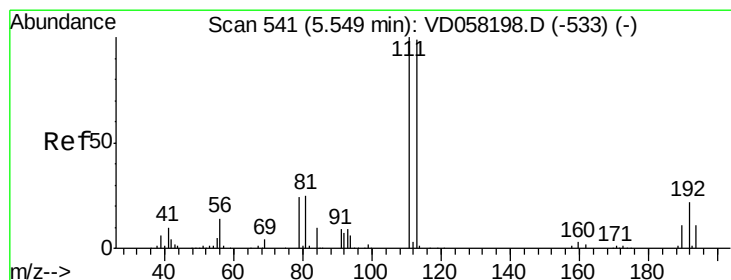
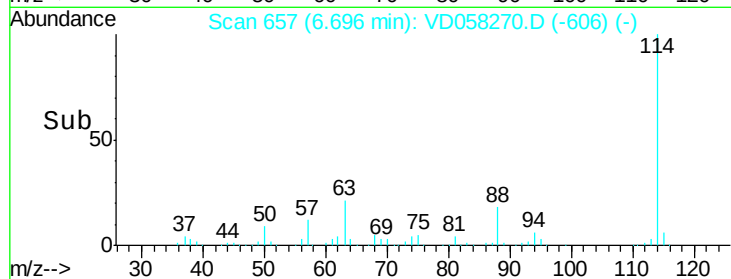
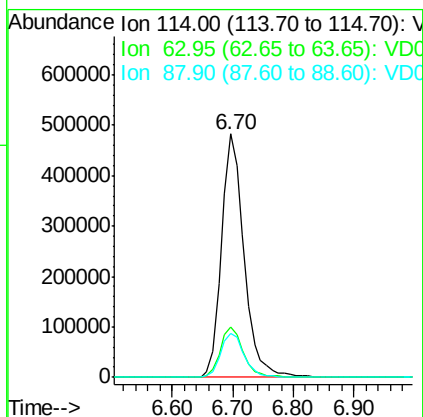
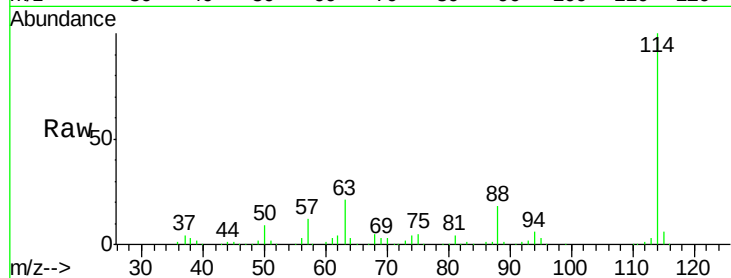




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD058270.D
 Acq: 22 Jun 2018 1:30

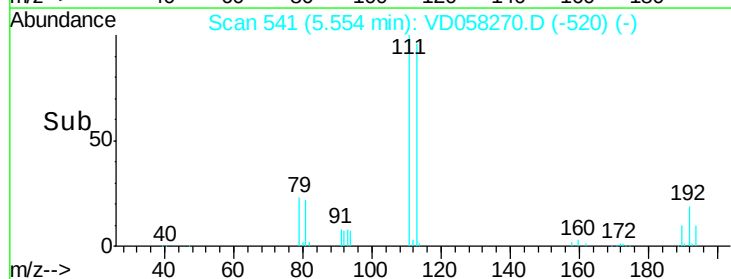
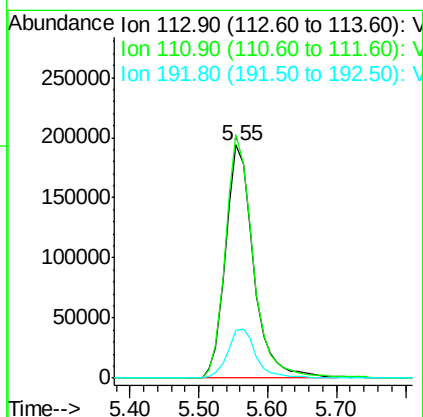
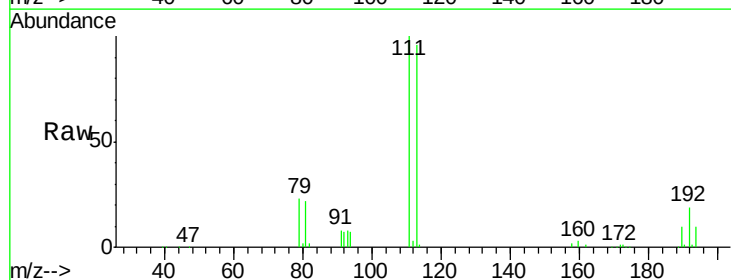
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBL02

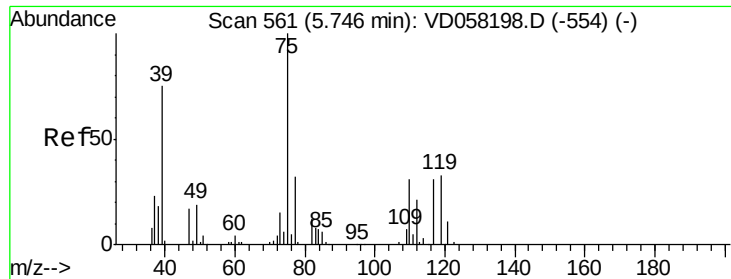
Tot Ion:114 Resp: 1246988
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 18.3 0.0 40.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: VD058270.D
 Acq: 22 Jun 2018 1:30

Tgt Ion:113 Resp: 548836
 Ion Ratio Lower Upper
 113 100
 111 104.4 80.6 121.0
 192 20.3 17.8 26.6





#36

1,1-Dichloropropene

Concen: 6.622 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.09 min

Lab File: VD058270.D

Acq: 22 Jun 2018 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBL02

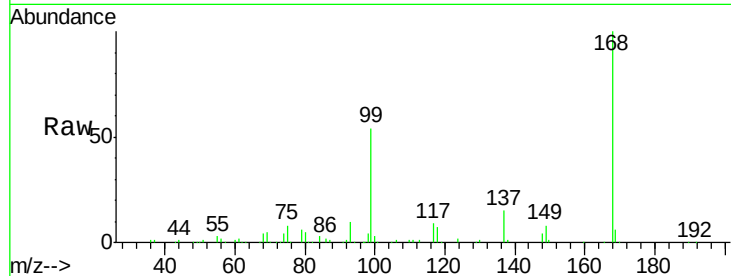
Tot Ion: 75 Resp: 81683

Ion Ratio Lower Upper

75 100

110 6.3 15.4 46.4#

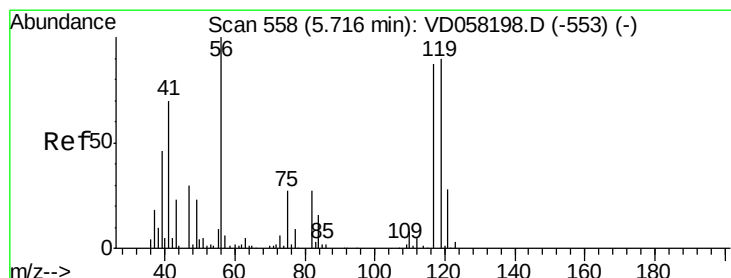
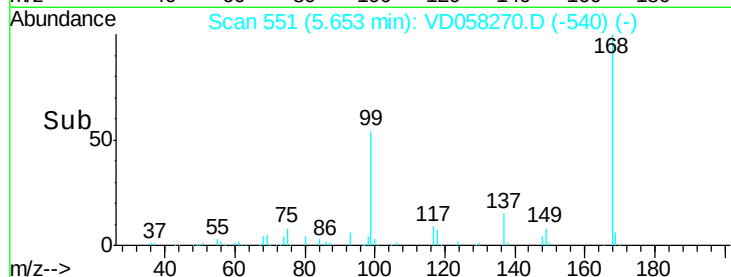
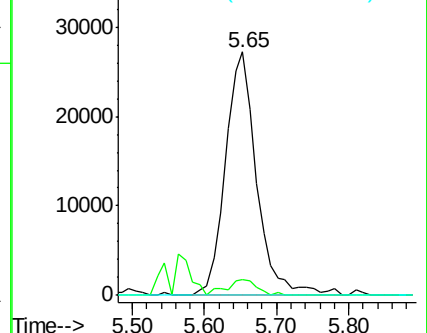
77 0.0 25.4 38.2#



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



#38

Carbon Tetrachloride

Concen: 6.664 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.06 min

Lab File: VD058270.D

Acq: 22 Jun 2018 1:30

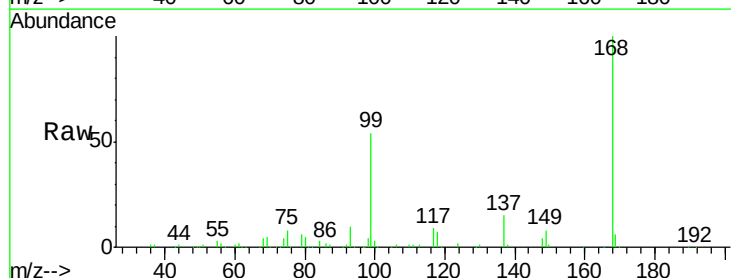
Tgt Ion: 117 Resp: 81679

Ion Ratio Lower Upper

117 100

119 4.0 78.8 118.2#

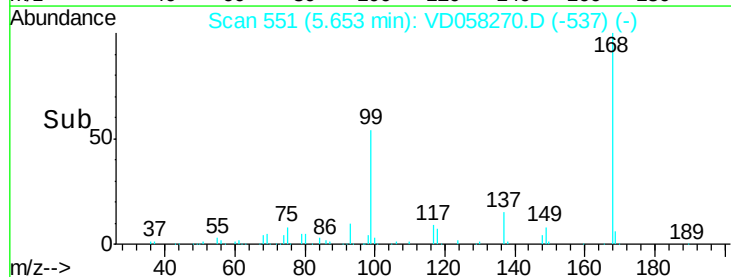
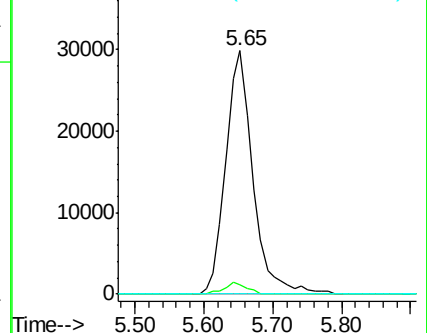
121 0.0 25.0 37.6#

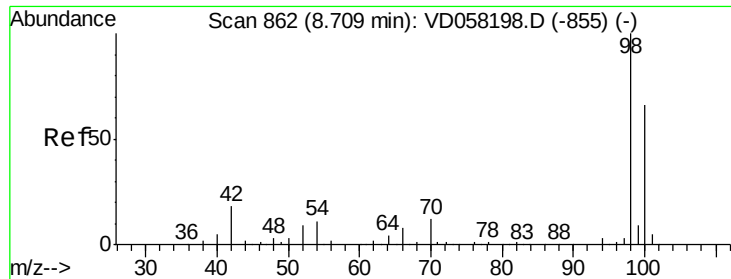


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

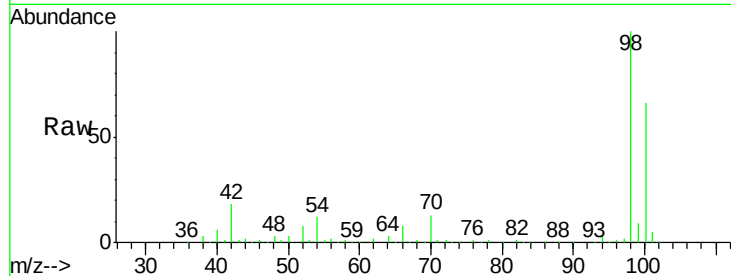




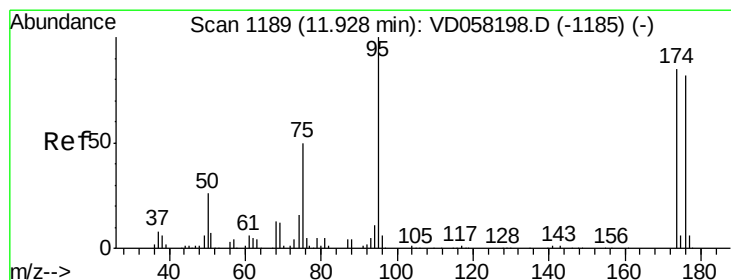
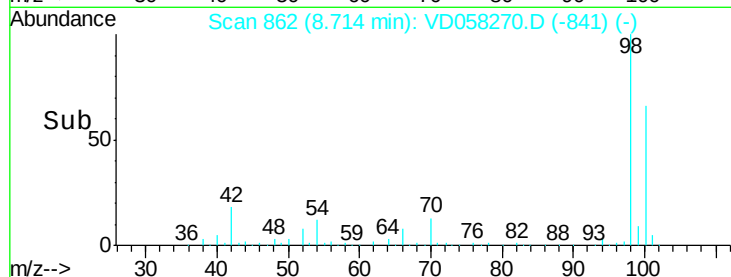
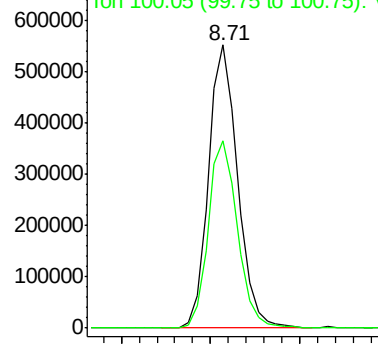
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD058270.D
Acq: 22 Jun 2018 1:30

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBL02

Tot Ion: 98 Resp: 1257586
Ion Ratio Lower Upper
98 100
100 66.3 53.6 80.4

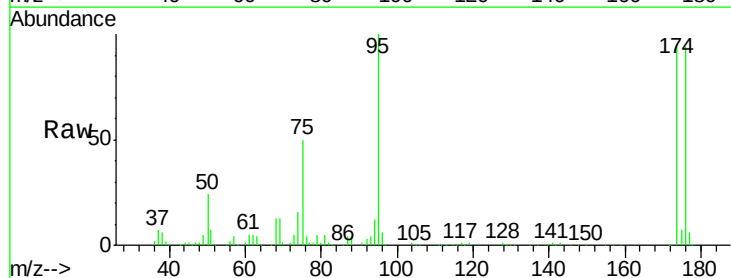


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

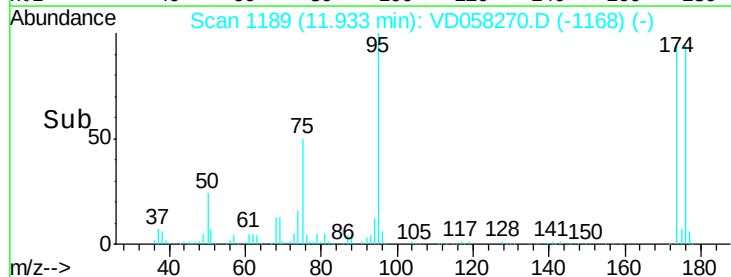
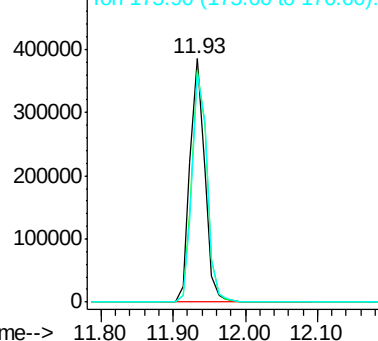


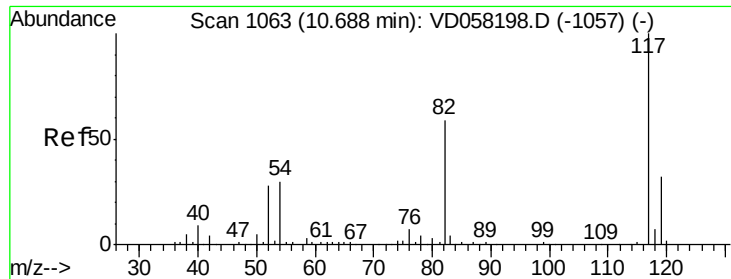
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VD058270.D
Acq: 22 Jun 2018 1:30

Tgt Ion: 95 Resp: 536730
Ion Ratio Lower Upper
95 100
174 95.5 0.0 170.2
176 94.3 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

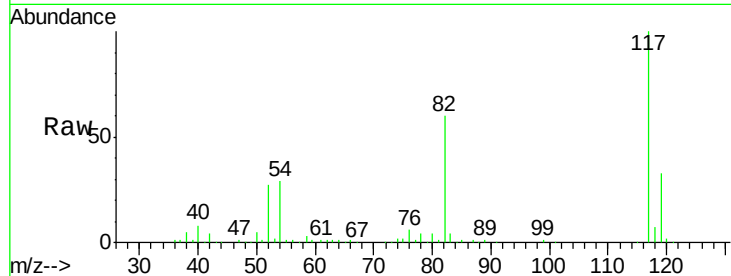




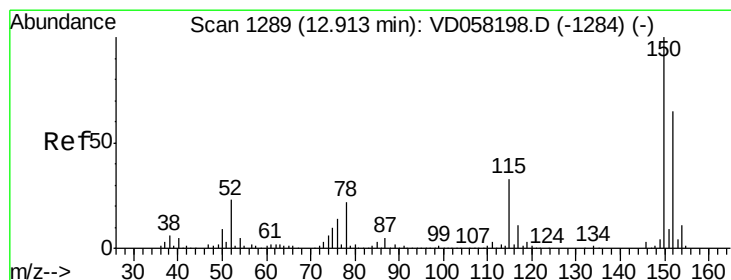
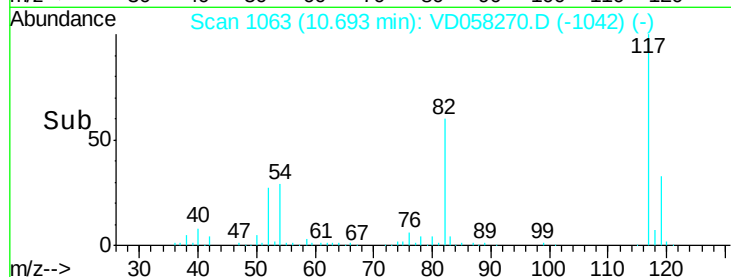
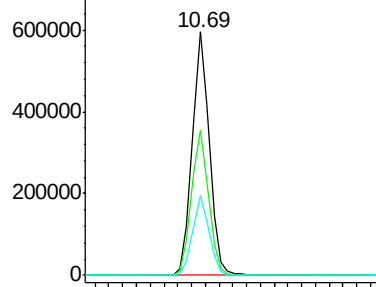
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058270.D
Acq: 22 Jun 2018 1:30

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBL02

Tot Ion:117 Resp: 1029640
Ion Ratio Lower Upper
117 100
82 59.8 47.0 70.6
119 32.6 25.3 37.9

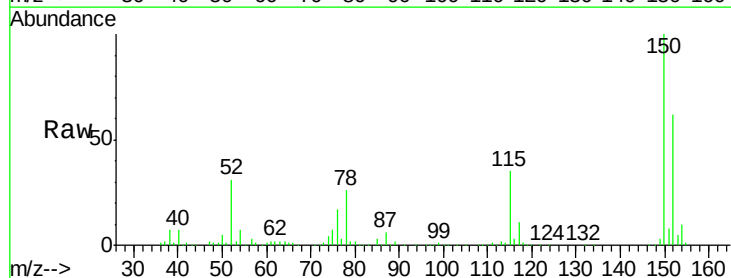


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

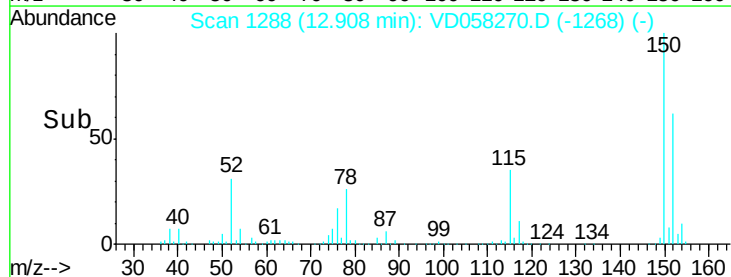
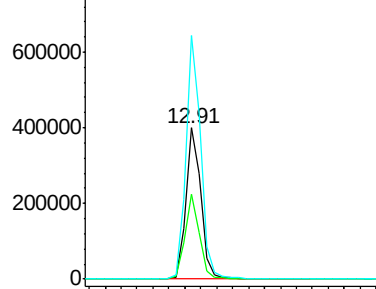


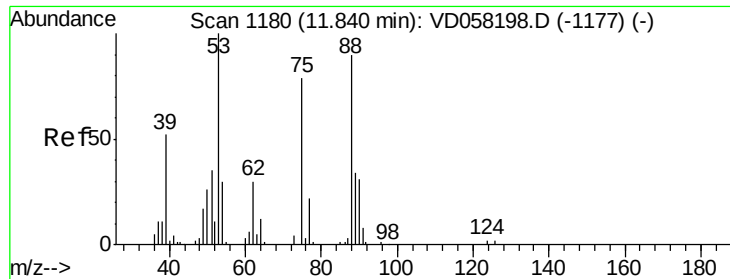
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD058270.D
Acq: 22 Jun 2018 1:30

Tgt Ion:152 Resp: 530851
Ion Ratio Lower Upper
152 100
115 56.2 25.1 75.3
150 161.2 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: 138.915 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058270.D

Acq: 22 Jun 2018 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBL02

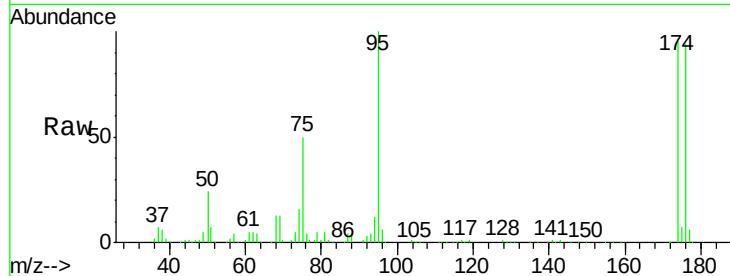
Tot Ion: 75 Resp: 262593

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

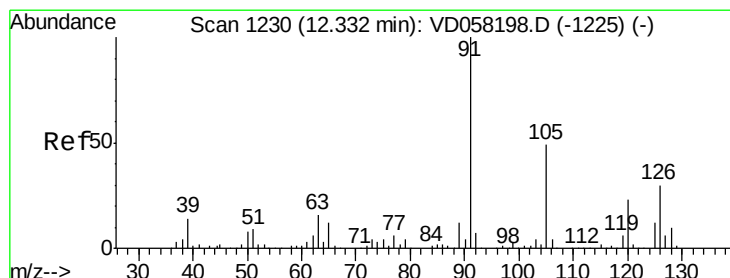
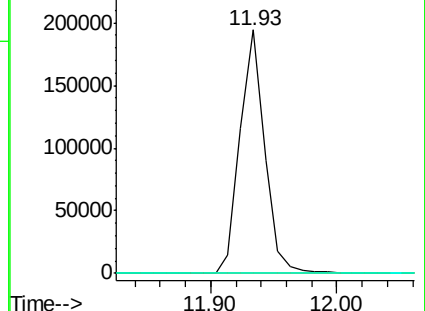
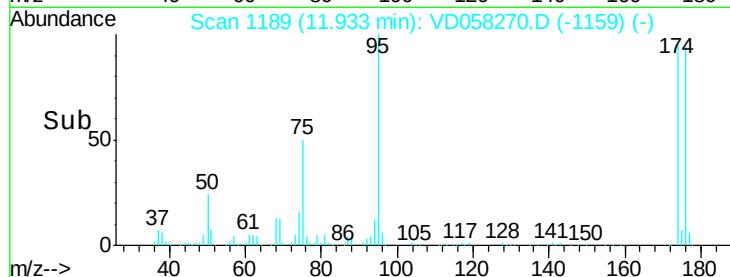
89 0.0 34.6 52.0#



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



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.33 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD058270.D

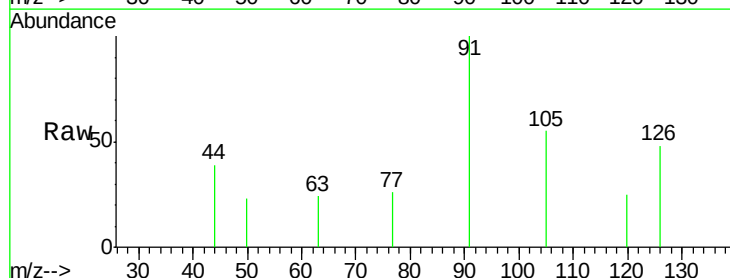
Acq: 22 Jun 2018 1:30

Tgt Ion: 91 Resp: 1450

Ion Ratio Lower Upper

91 100

126 47.8 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

