

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058248.D
 Acq On : 21 Jun 2018 13:03
 Operator : VA/AP
 Sample : VF0621SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBL01

Quant Time: Jun 22 06:13:57 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	970634	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	1243893	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.69	117	1010491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	526966	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	500023	51.00	ug/l	0.02
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	5.56	113	529911	52.34	ug/l	0.02
Spiked Amount			Recovery	=	104.68%	
50) Toluene-d8	8.71	98	1257174	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	11.93	95	506770	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	

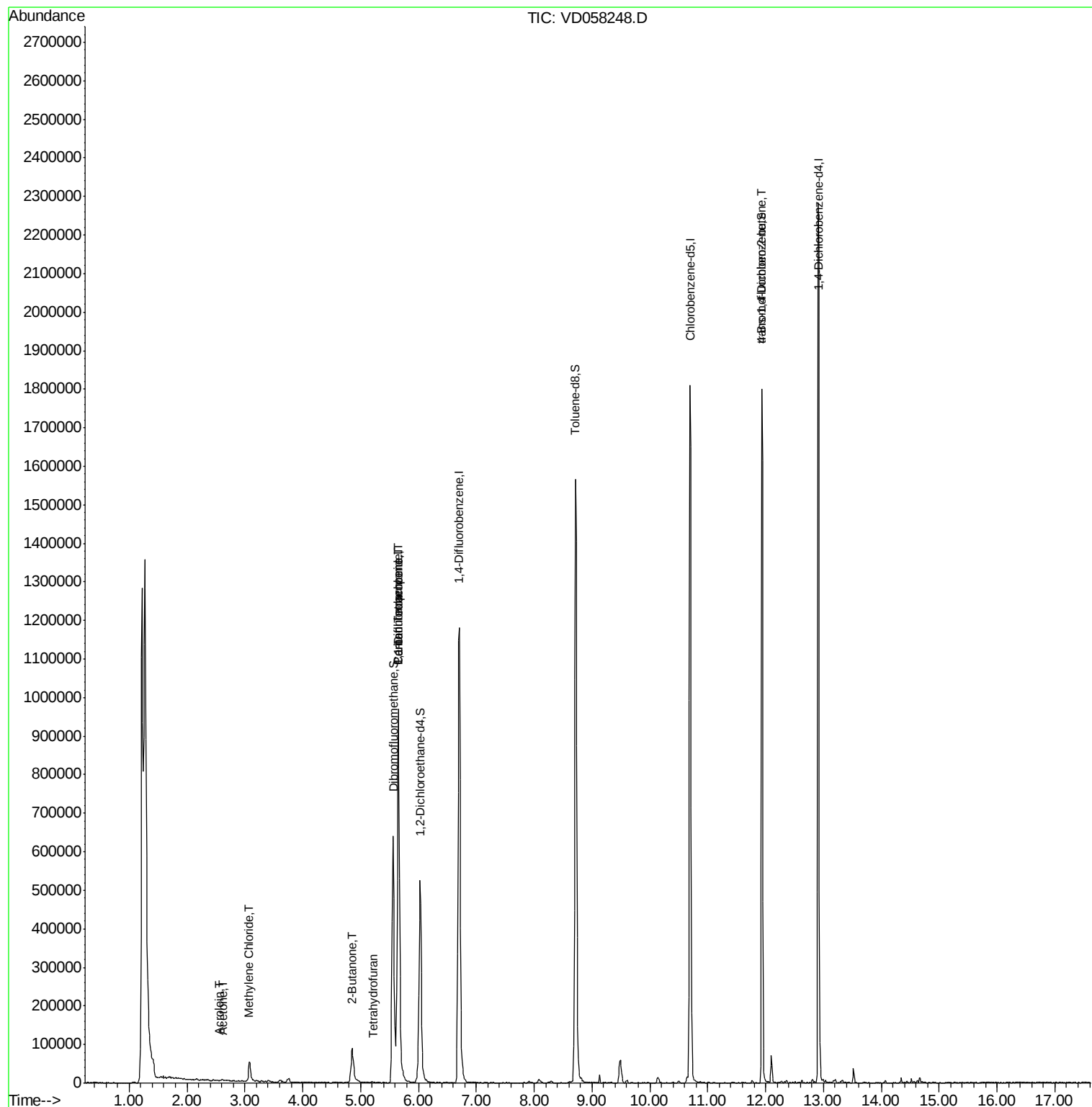
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	1014	Below Cal	#	43
3) Chloromethane	1.48	50	397	Below Cal	#	43
5) Bromomethane	1.80	94	206	Below Cal	#	3
13) Acrolein	2.55	56	209	1.132	ug/l #	11
16) Acetone	2.63	43	10139	7.562	ug/l #	62
20) Methylene Chloride	3.08	84	23008	1.998	ug/l	93
25) 2-Butanone	4.86	43	8571	2.933	ug/l #	60
29) Tetrahydrofuran	5.22	42	2926	1.881	ug/l #	37
31) Cyclohexane	5.65	56	23801	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	78415	6.372	ug/l #	48
38) Carbon Tetrachloride	5.65	117	79818	6.528	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.93	75	244776	130.444	ug/l #	1
82) 4-Chlorotoluene	12.33	91	2714	Below Cal		84

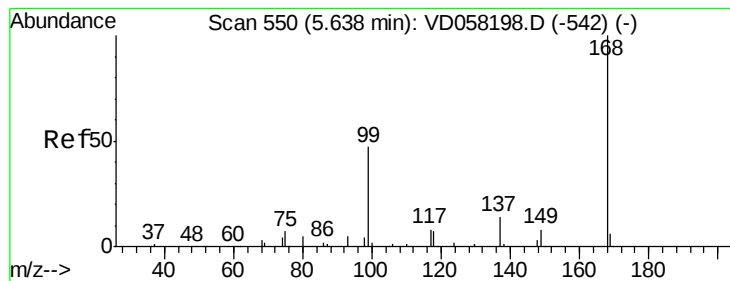
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.02 min

Lab File: VD058248.D

Acq: 21 Jun 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

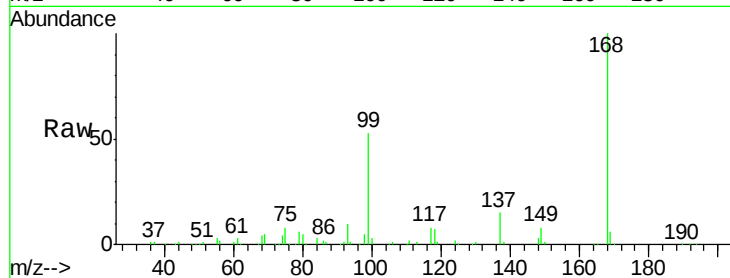
VD0621SBL01

Tot Ion:168 Resp: 970634

Ion Ratio Lower Upper

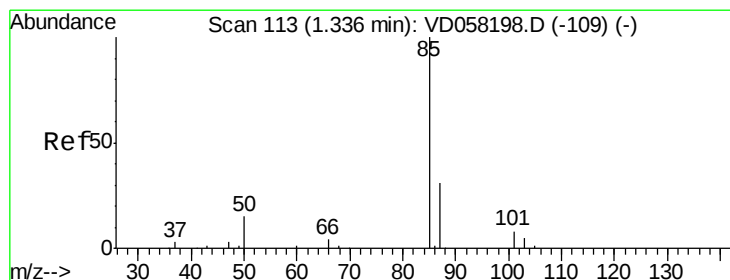
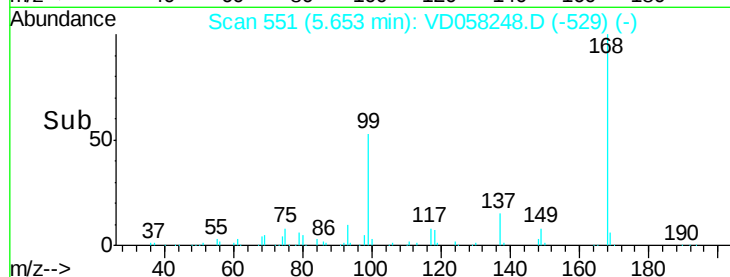
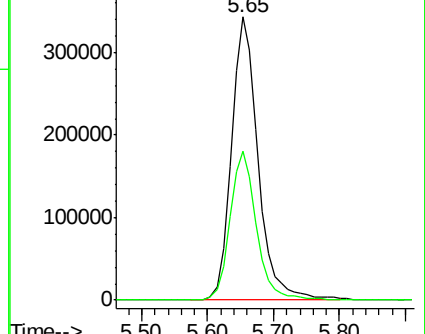
168 100

99 52.8 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: 1.35 min Scan# 114

Delta R.T. 0.02 min

Lab File: VD058248.D

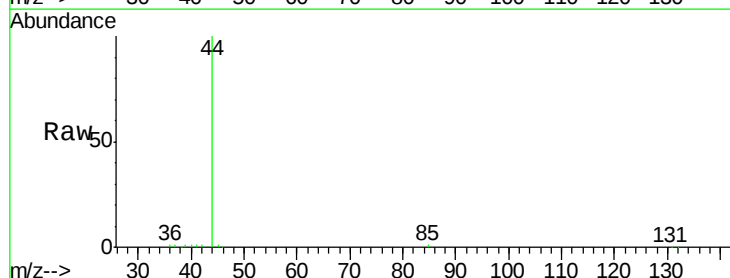
Acq: 21 Jun 2018 13:03

Tgt Ion: 85 Resp: 1014

Ion Ratio Lower Upper

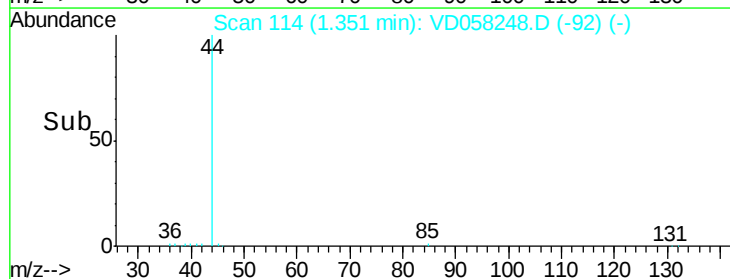
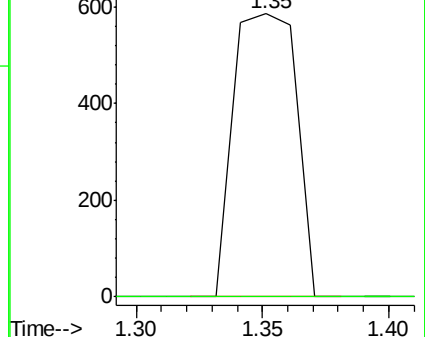
85 100

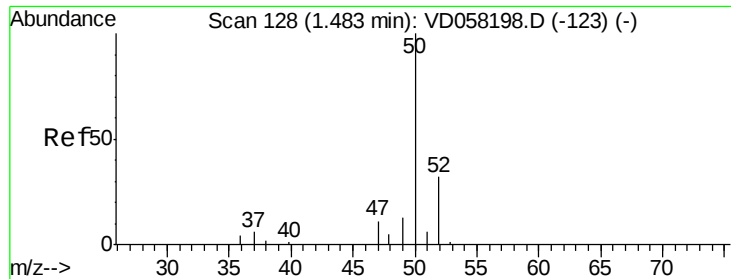
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.48 min Scan# 127

Delta R.T. -0.00 min

Lab File: VD058248.D

Acq: 21 Jun 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

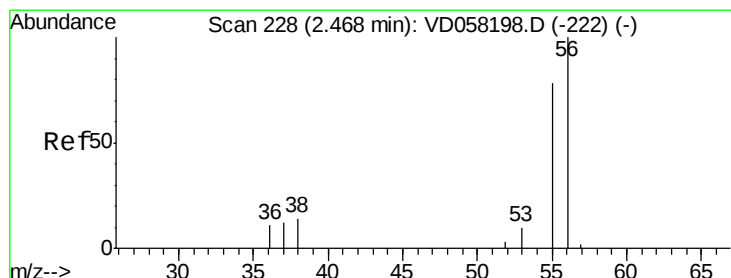
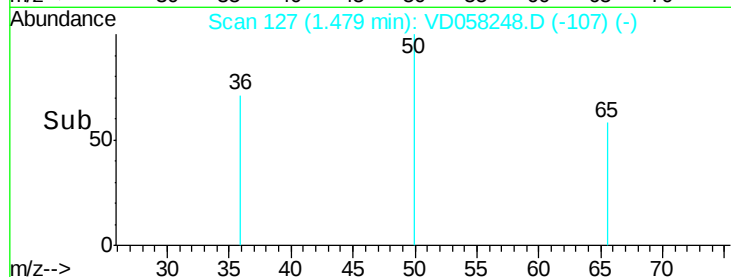
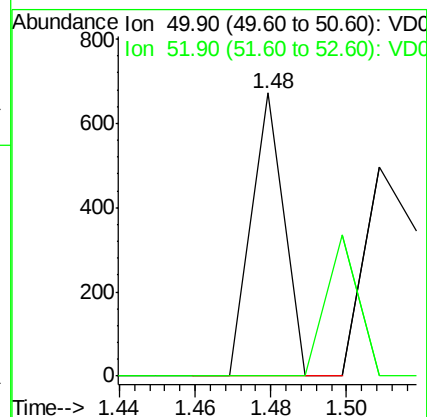
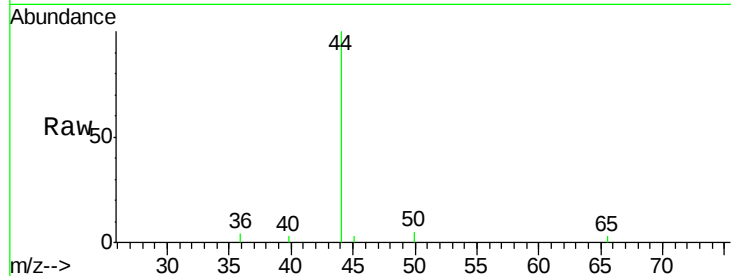
VD0621SBL01

Tot Ion: 50 Resp: 397

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



#13

Acrolein

Concen: 1.132 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.08 min

Lab File: VD058248.D

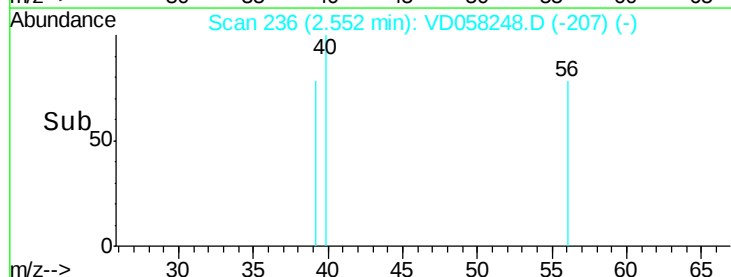
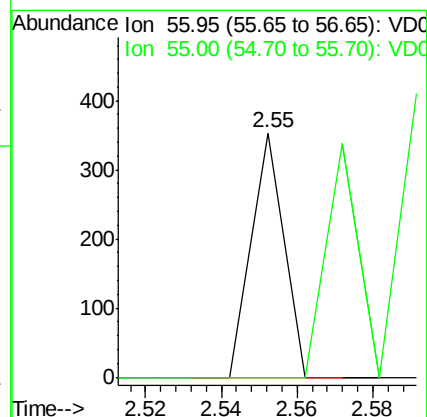
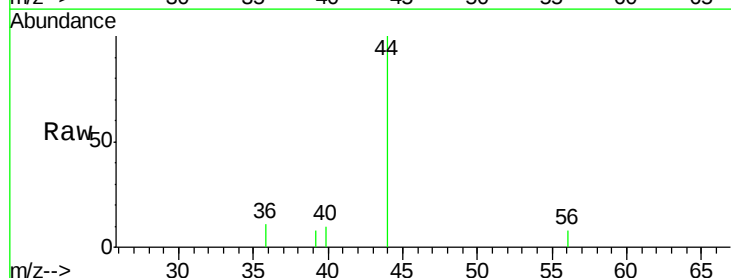
Acq: 21 Jun 2018 13:03

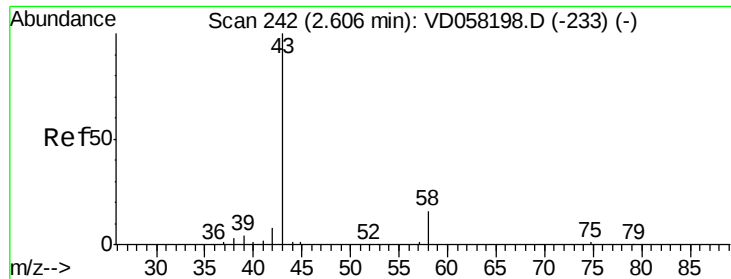
Tgt Ion: 56 Resp: 209

Ion Ratio Lower Upper

56 100

55 0.0 62.1 93.1#





#16

Acetone

Concen: 7.562 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD058248.D

Acq: 21 Jun 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

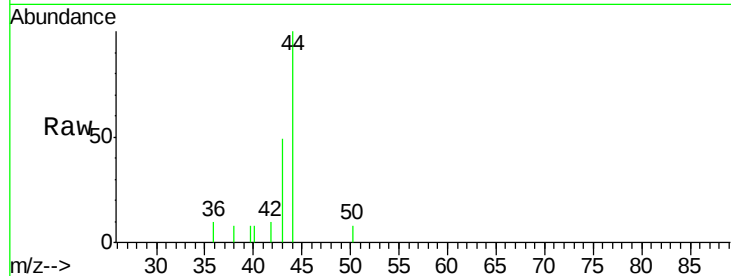
VD0621SBL01

Tot Ion: 43 Resp: 10139

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

2.63

2000

1500

1000

500

0

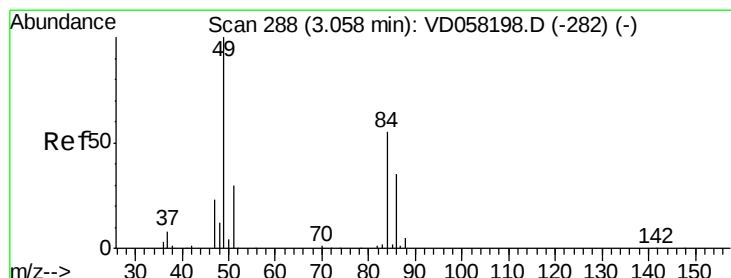
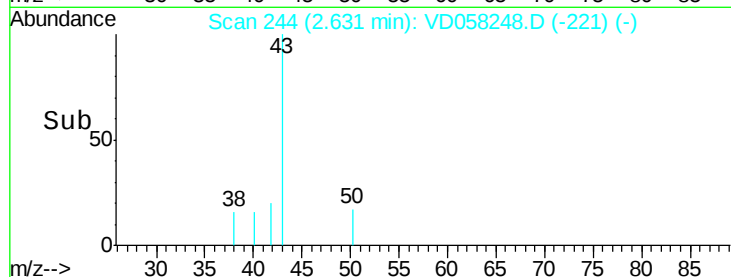
Time-->

2.50

2.60

2.70

2.80



#20

Methylene Chloride

Concen: 1.998 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.03 min

Lab File: VD058248.D

Acq: 21 Jun 2018 13:03

Tgt Ion: 84 Resp: 23008

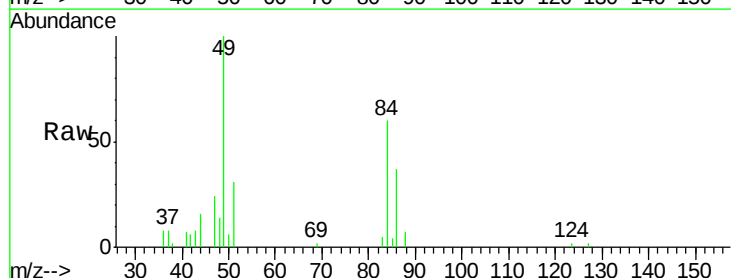
Ion Ratio Lower Upper

84 100

49 166.5 145.0 217.6

51 52.0 42.9 64.3

86 61.5 50.1 75.1



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

25000

20000

15000

10000

5000

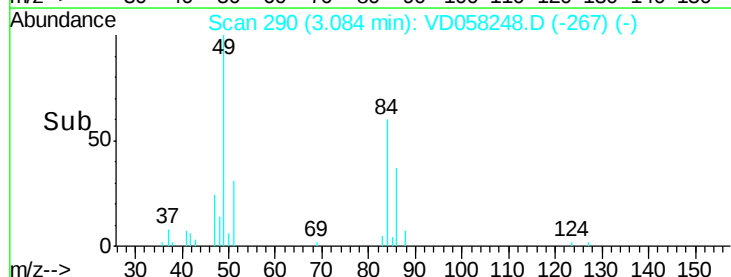
0

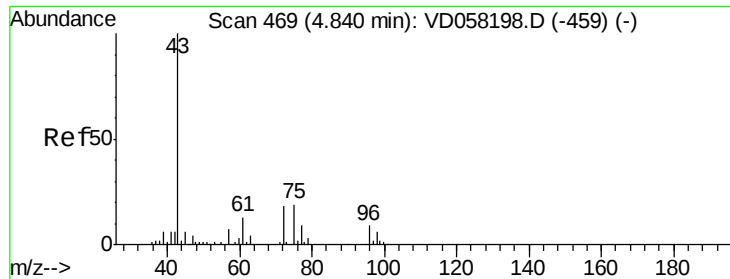
Time-->

3.00

3.10

3.20





#25

2-Butanone

Concen: 2.933 ug/l

RT: 4.86 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD058248.D

Acq: 21 Jun 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

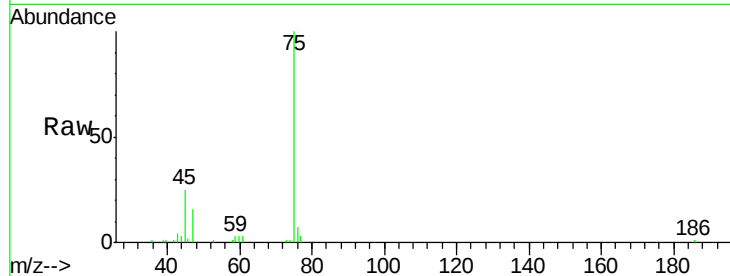
VD0621SBL01

Tot Ion: 43 Resp: 8571

Ion Ratio Lower Upper

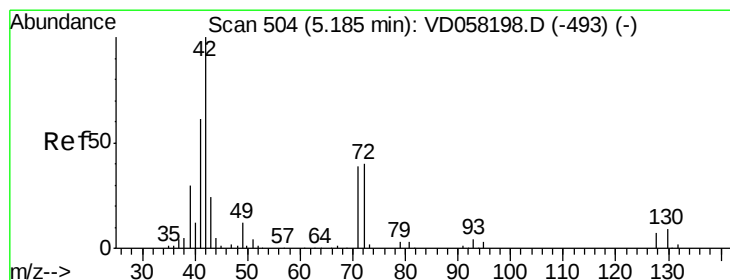
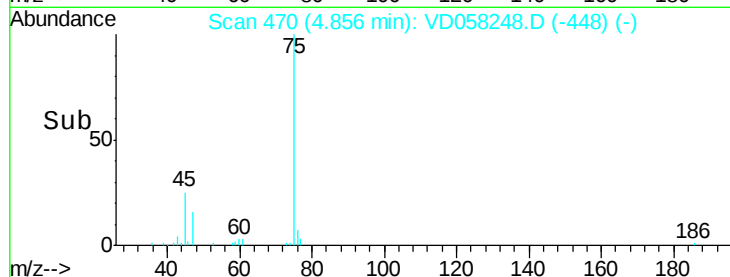
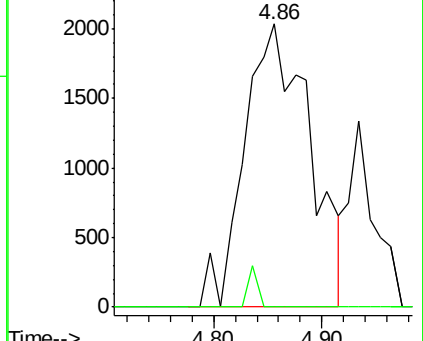
43 100

72 0.0 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.881 ug/l

RT: 5.22 min Scan# 507

Delta R.T. 0.04 min

Lab File: VD058248.D

Acq: 21 Jun 2018 13:03

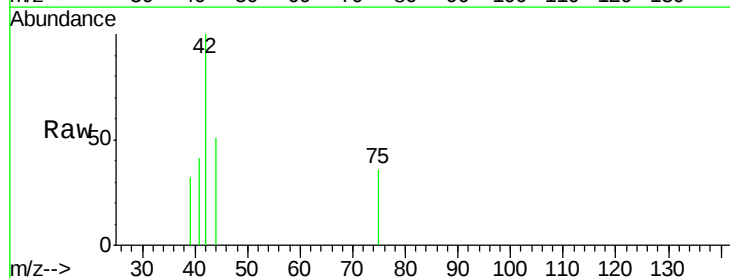
Tgt Ion: 42 Resp: 2926

Ion Ratio Lower Upper

42 100

72 0.0 30.2 45.2#

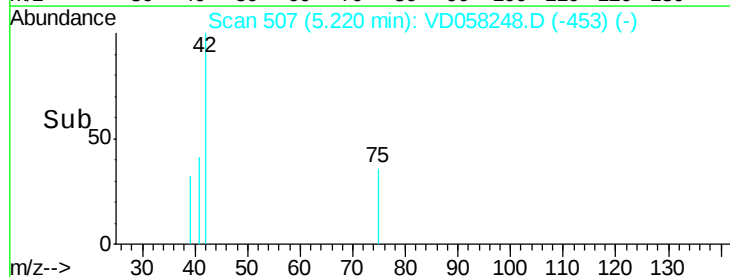
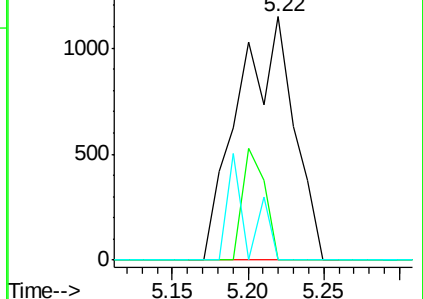
71 0.0 30.1 45.1#

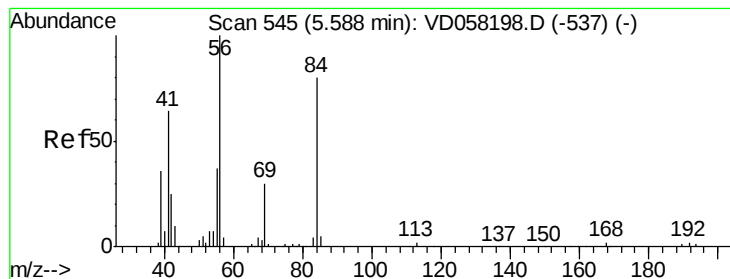


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.65 min Scan# 551

Delta R.T. 0.07 min

Lab File: VD058248.D

Acq: 21 Jun 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBL01

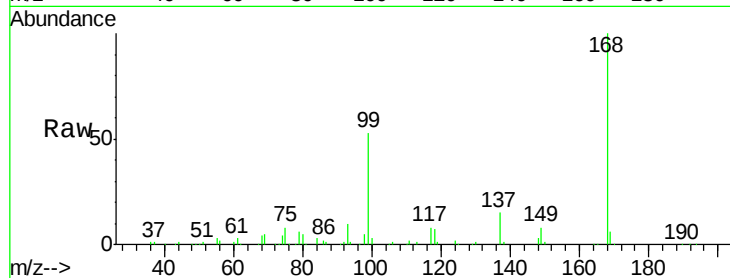
Tot Ion: 56 Resp: 23801

Ion Ratio Lower Upper

56 100

69 226.9 23.6 35.4#

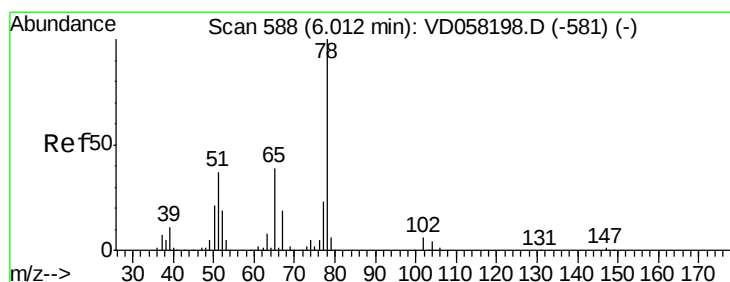
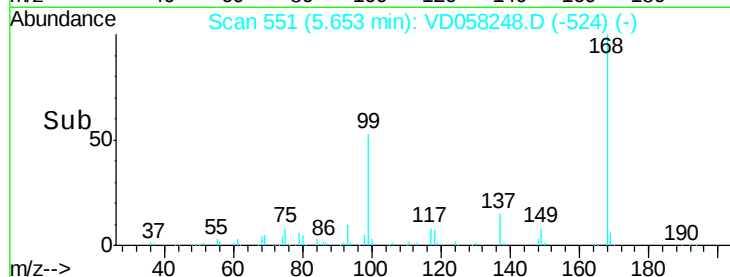
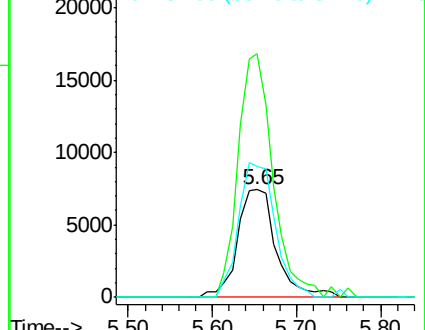
84 122.6 65.2 97.8#



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: N.D. ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.02 min

Lab File: VD058248.D

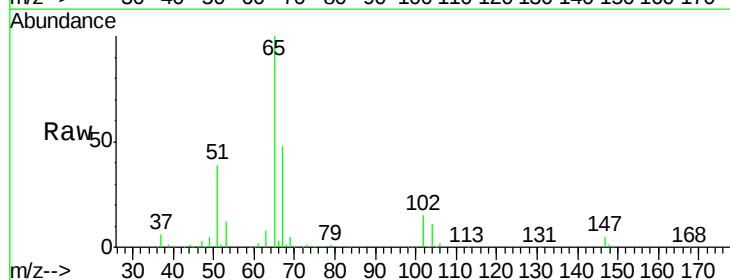
Acq: 21 Jun 2018 13:03

Tgt Ion: 65 Resp: 500023

Ion Ratio Lower Upper

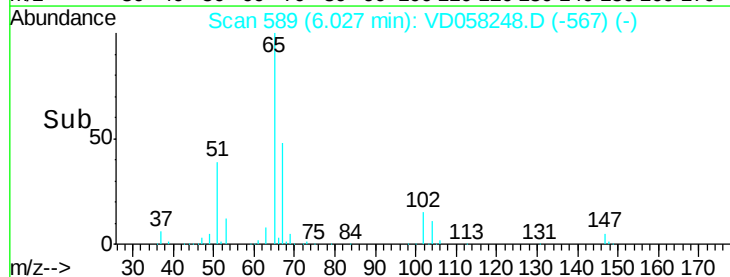
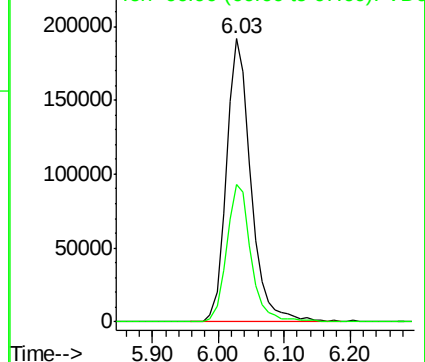
65 100

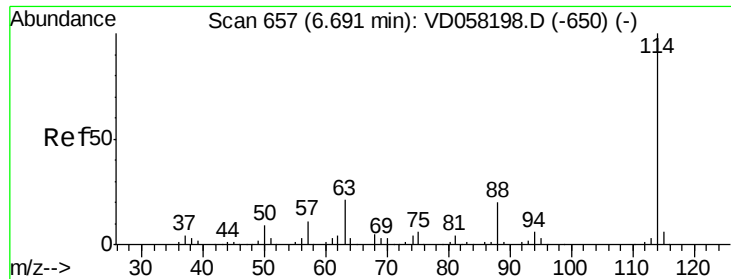
67 48.4 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

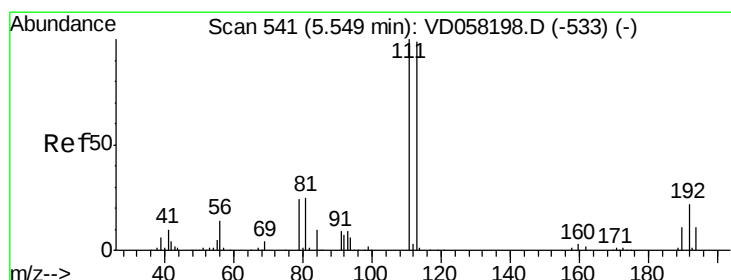
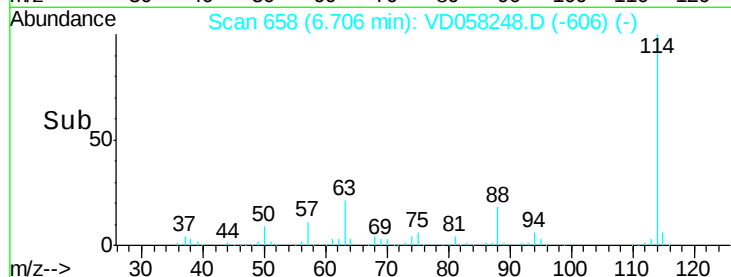
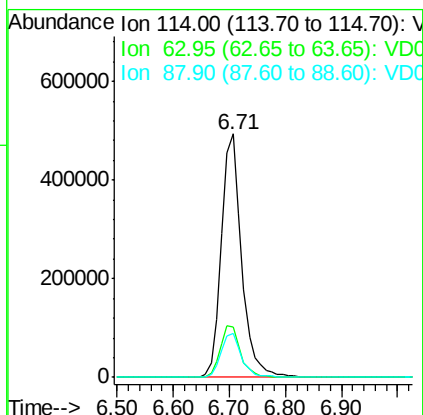
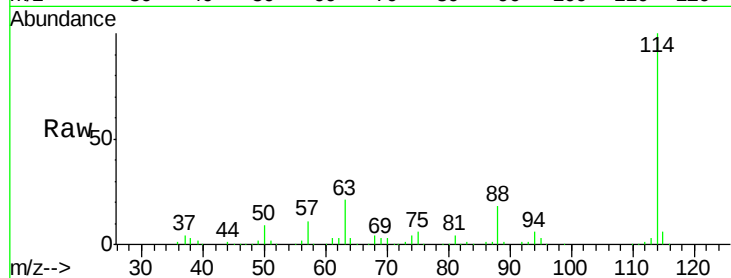




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.71 min Scan# 658
 Delta R.T. 0.02 min
 Lab File: VD058248.D
 Acq: 21 Jun 2018 13:03

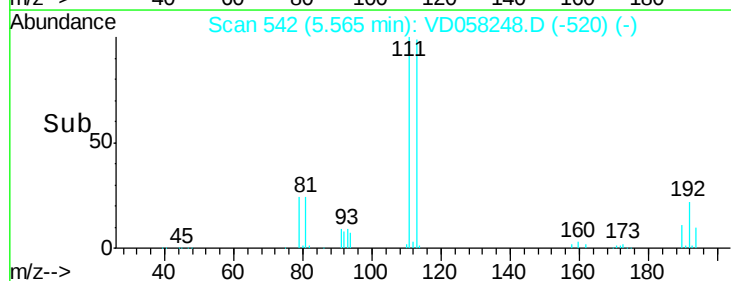
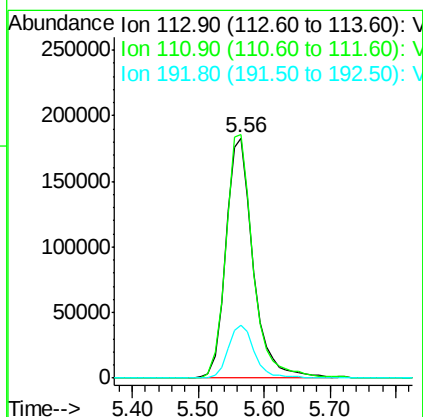
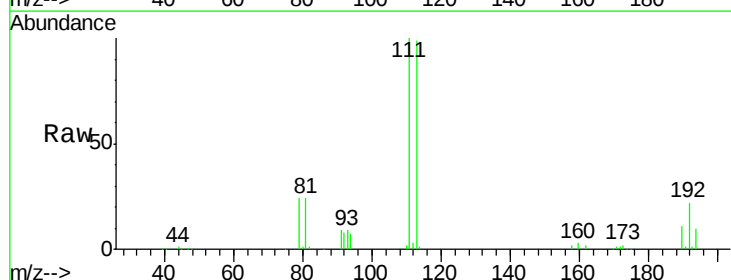
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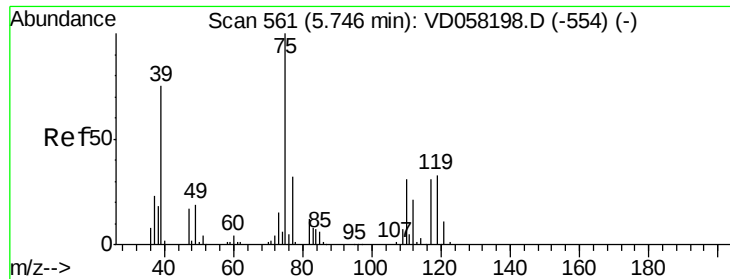
Tot Ion:114 Resp: 1243893
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 18.2 0.0 40.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.02 min
 Lab File: VD058248.D
 Acq: 21 Jun 2018 13:03

Tgt Ion:113 Resp: 529911
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.6 121.0
 192 22.2 17.8 26.6

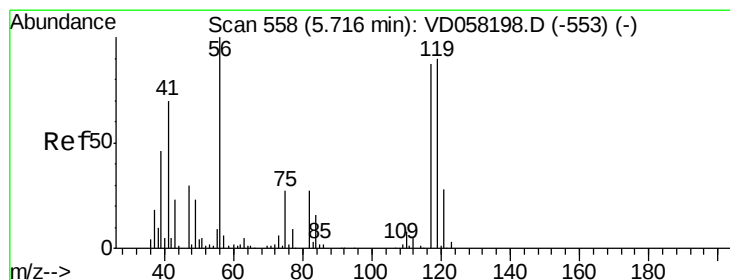
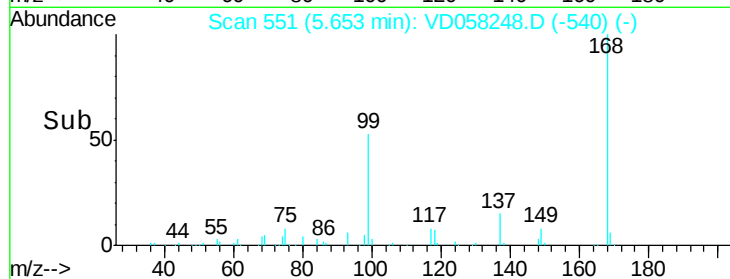
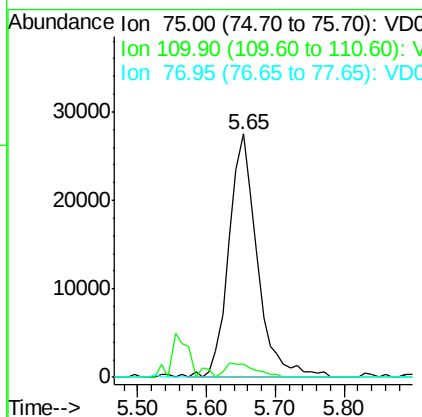
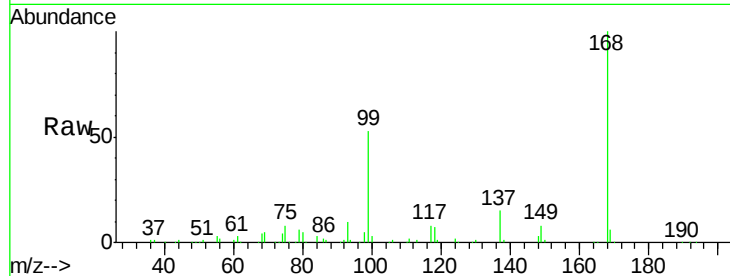




#36
 1,1-Dichloropropene
 Concen: 6.372 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.09 min
 Lab File: VD058248.D
 Acq: 21 Jun 2018 13:03

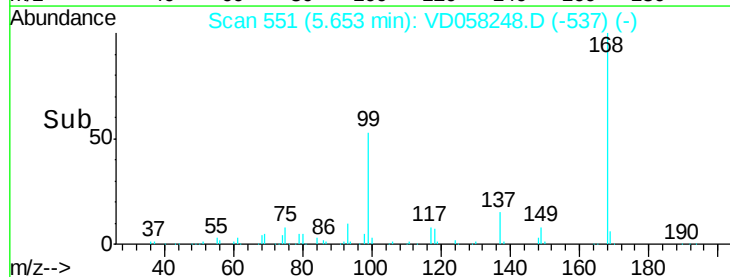
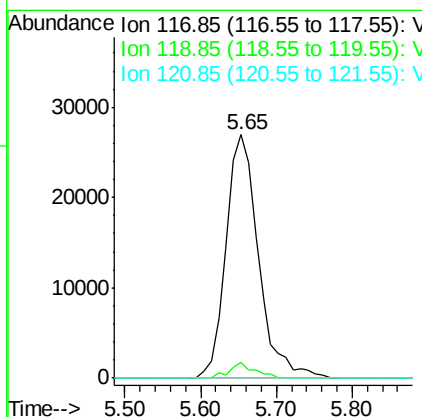
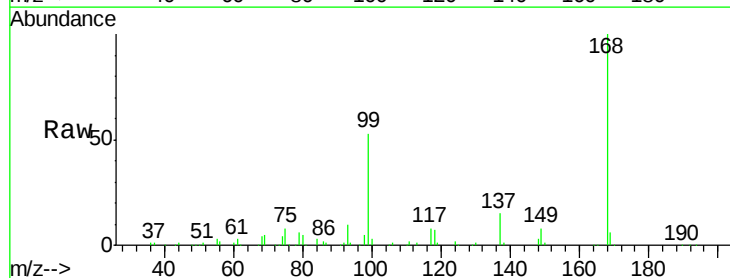
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBL01

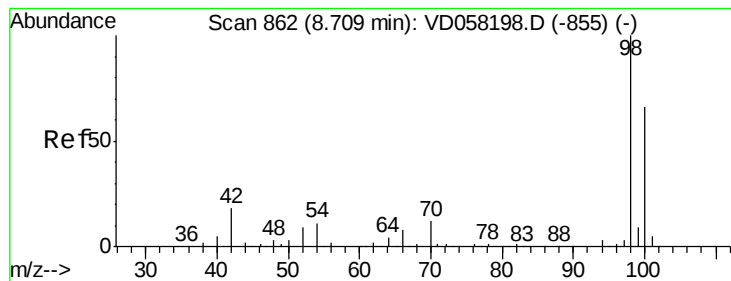
Tot Ion: 75 Resp: 78415
 Ion Ratio Lower Upper
 75 100
 110 5.3 15.4 46.4#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 6.528 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.06 min
 Lab File: VD058248.D
 Acq: 21 Jun 2018 13:03

Tgt Ion: 117 Resp: 79818
 Ion Ratio Lower Upper
 117 100
 119 6.4 78.8 118.2#
 121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD058248.D

Acq: 21 Jun 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

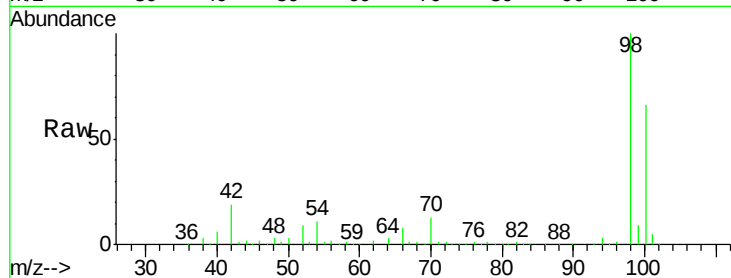
VD0621SBL01

Tot Ion: 98 Resp: 1257174

Ion Ratio Lower Upper

98 100

100 66.5 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.71

600000

500000

400000

300000

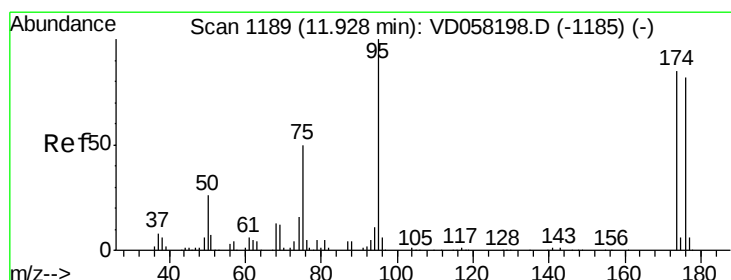
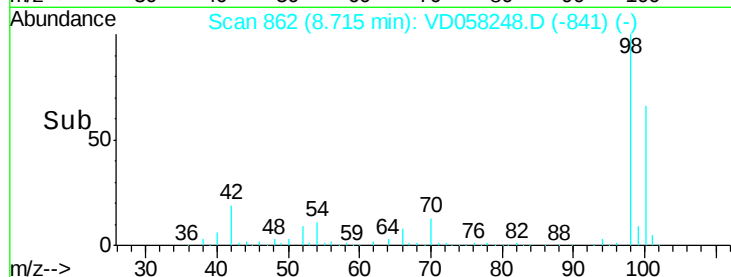
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058248.D

Acq: 21 Jun 2018 13:03

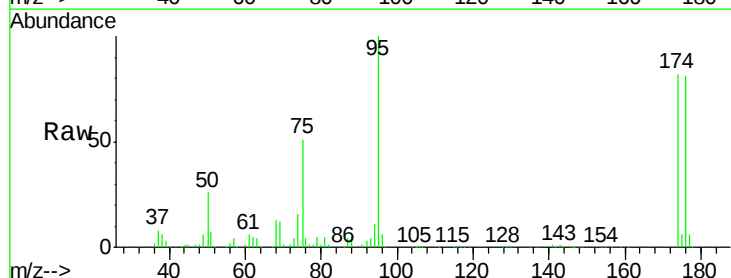
Tgt Ion: 95 Resp: 506770

Ion Ratio Lower Upper

95 100

174 82.0 0.0 170.2

176 81.0 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

11.93

400000

300000

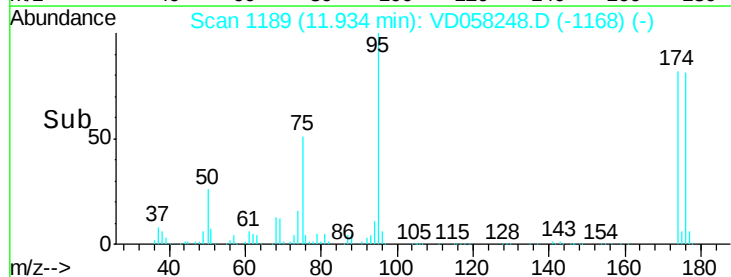
200000

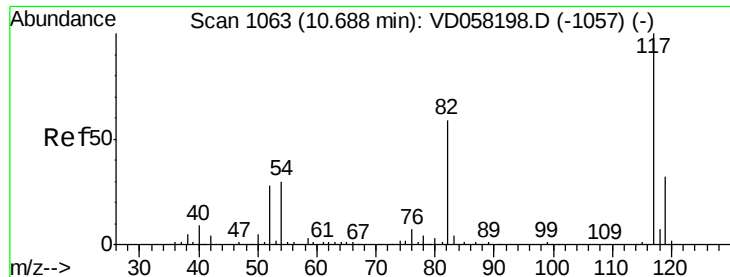
100000

0

11.90 12.00

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.01 min

Lab File: VD058248.D

Acq: 21 Jun 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBL01

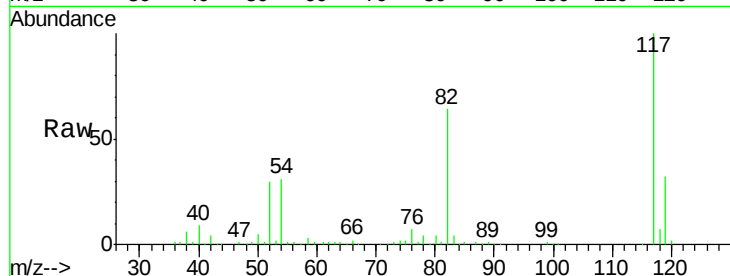
Tot Ion:117 Resp: 1010491

Ion Ratio Lower Upper

117 100

82 63.9 47.0 70.6

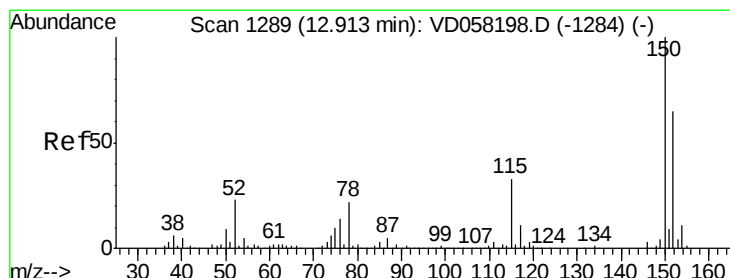
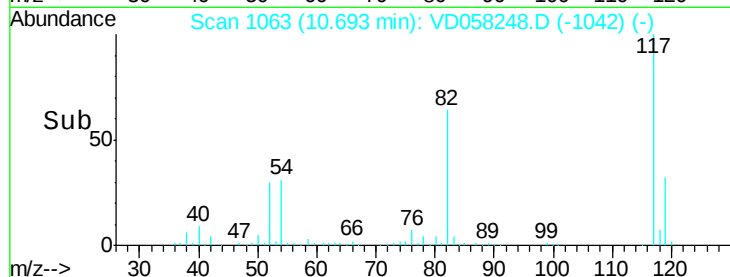
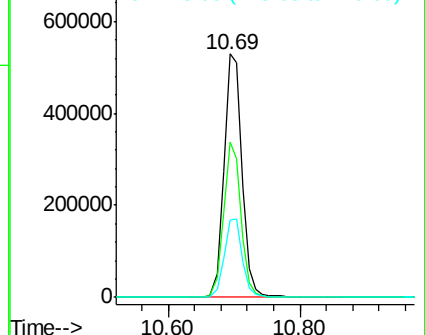
119 31.9 25.3 37.9



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: 12.92 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD058248.D

Acq: 21 Jun 2018 13:03

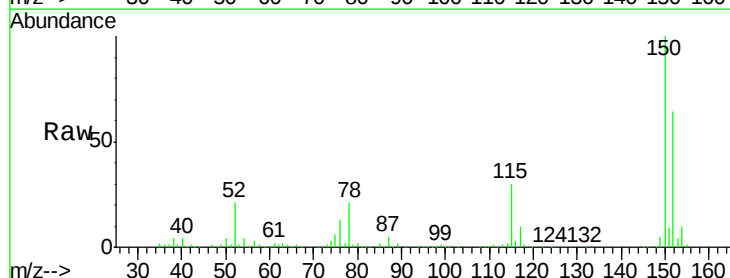
Tgt Ion:152 Resp: 526966

Ion Ratio Lower Upper

152 100

115 46.9 25.1 75.3

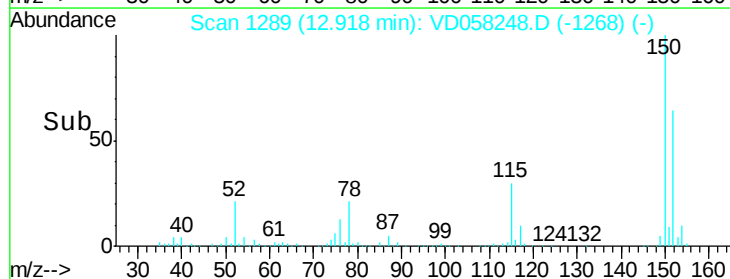
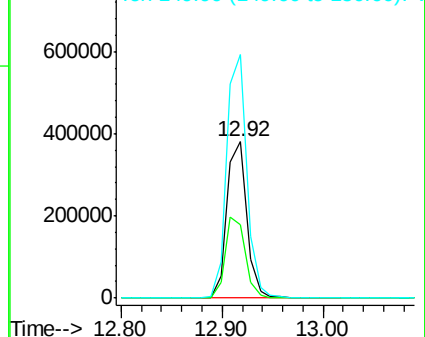
150 155.5 0.0 308.8

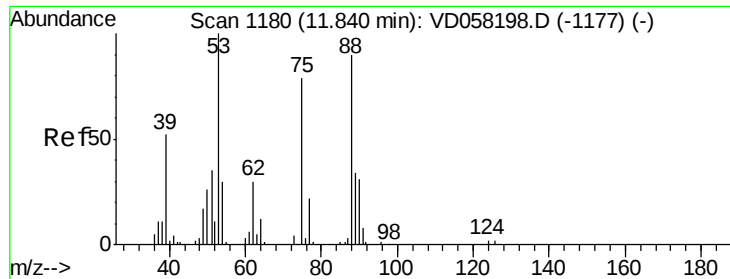


Abundance Ion 151.90 (151.60 to 152.60): V

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: 130.444 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058248.D

Acq: 21 Jun 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBL01

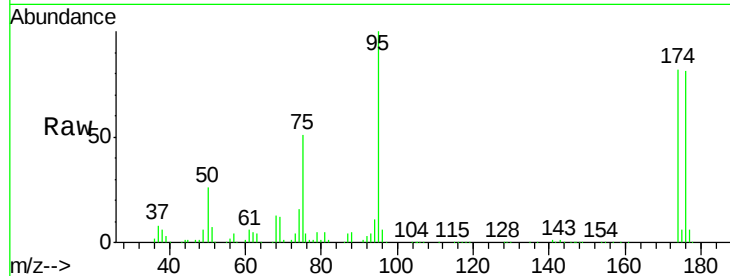
Tot Ion: 75 Resp: 244776

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

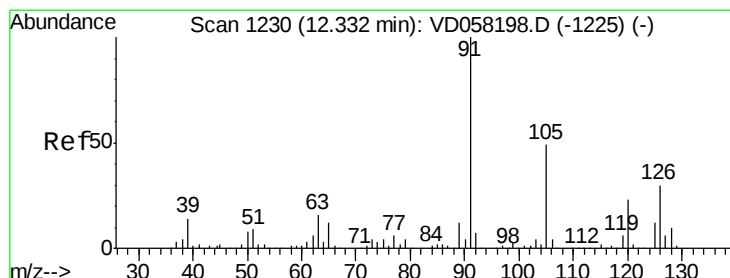
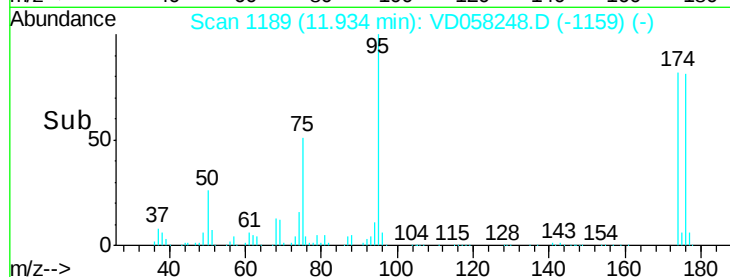
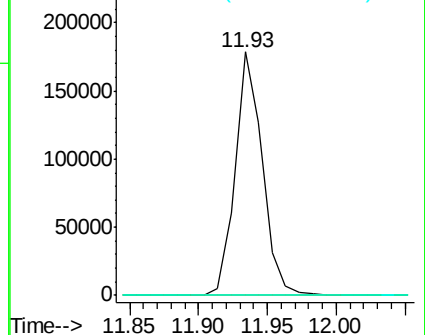
89 0.0 34.6 52.0#



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: VD058248.D

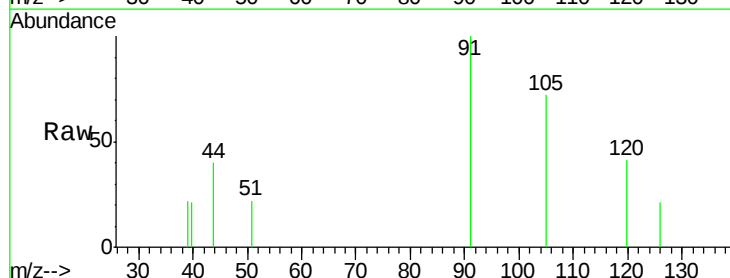
Acq: 21 Jun 2018 13:03

Tgt Ion: 91 Resp: 2714

Ion Ratio Lower Upper

91 100

126 21.3 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

