

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058212.D
 Acq On : 20 Jun 2018 16:16
 Operator : VA/AP
 Sample : J3554-07RE
 Misc : 5.59g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A-6(3.0)

Quant Time: Jun 21 01:46:01 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	5.64	168	786596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1034516	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	825279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	463656	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	439491	55.32	ug/l	0.00
Spiked Amount			Recovery	=	110.64%	
35) Dibromofluoromethane	5.55	113	426620	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
50) Toluene-d8	8.71	98	953930	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
62) 4-Bromofluorobenzene	11.93	95	405944	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	

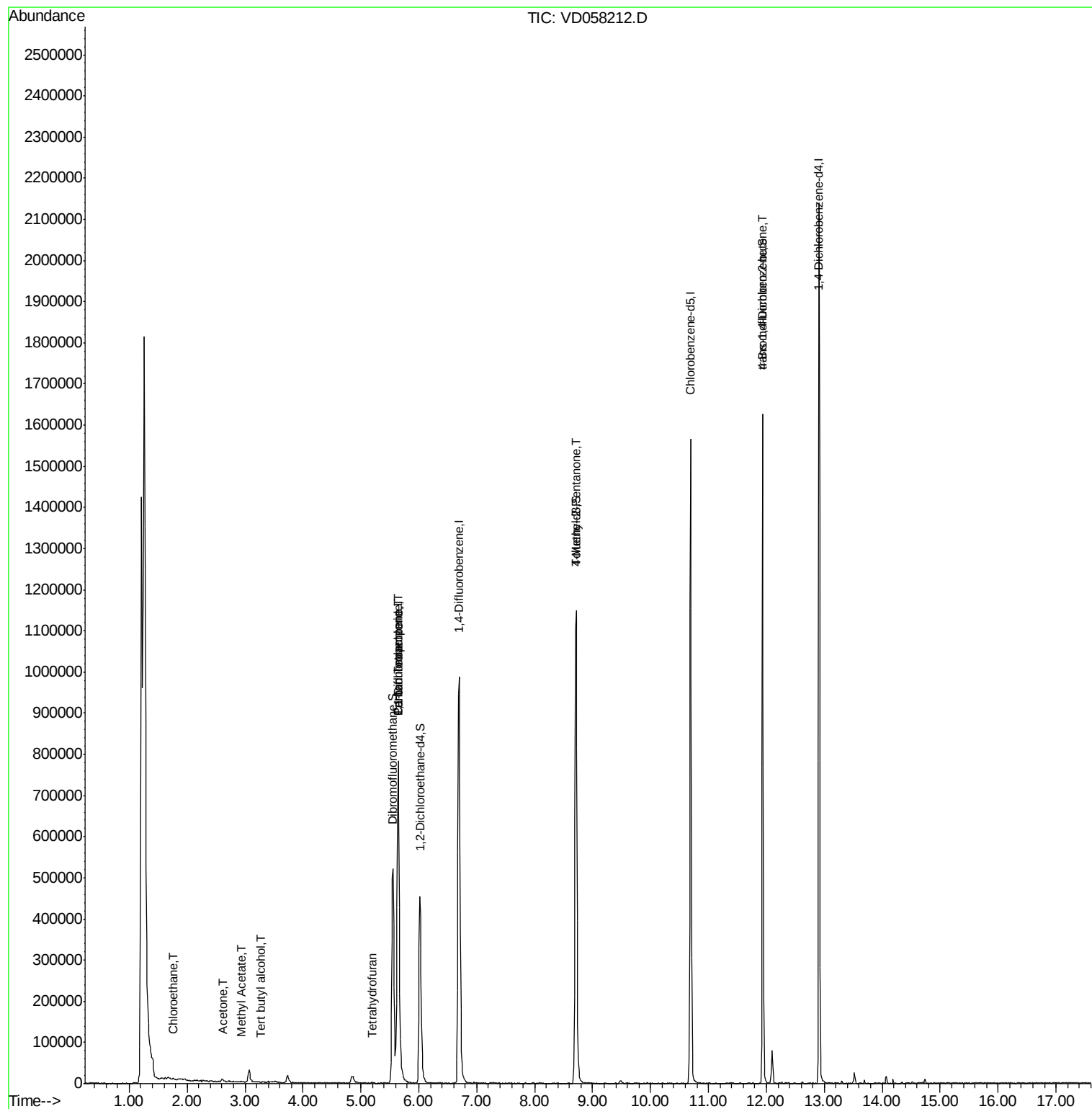
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	283	Below Cal	#	43
3) Chloromethane	1.41	50	190	Below Cal	#	43
5) Bromomethane	1.81	94	186	Below Cal	#	3
6) Chloroethane	1.76	64	235	1.538	ug/l #	41
11) Tert butyl alcohol	3.27	59	347	1.324	ug/l #	78
16) Acetone	2.61	43	13426	12.356	ug/l #	81
18) Methyl Acetate	2.94	43	3414	1.473	ug/l #	65
29) Tetrahydrofuran	5.18	42	1702	1.350	ug/l #	49
31) Cyclohexane	5.63	56	18685	Below Cal	#	17
36) 1,1-Dichloropropene	5.64	75	62581	6.115	ug/l #	52
38) Carbon Tetrachloride	5.64	117	61901	6.087	ug/l #	14
51) 4-Methyl-2-Pentanone	8.70	43	7301	1.440	ug/l #	10
81) trans-1,4-Dichloro-2-buten	11.93	75	202396	122.587	ug/l #	1
82) 4-Chlorotoluene	12.33	91	1011	Below Cal	#	45

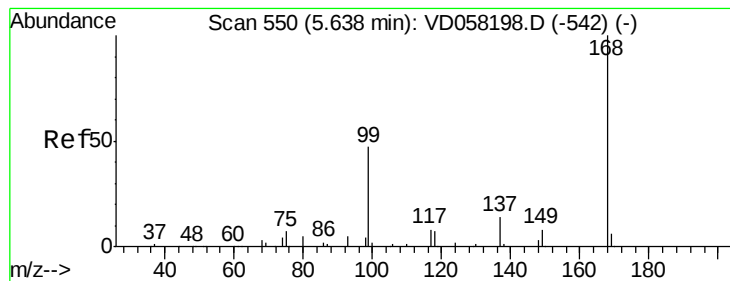
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062018\
Data File : VD058212.D
Acq On : 20 Jun 2018 16:16
Operator : VA/AP
Sample : J3554-07RE
Misc : 5.59g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A-6(3.0)

Quant Time: Jun 21 01:46:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
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: 5.64 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD058212.D

Acq: 20 Jun 2018 16:16

Instrument :

MSVOA_D

ClientSampleId :

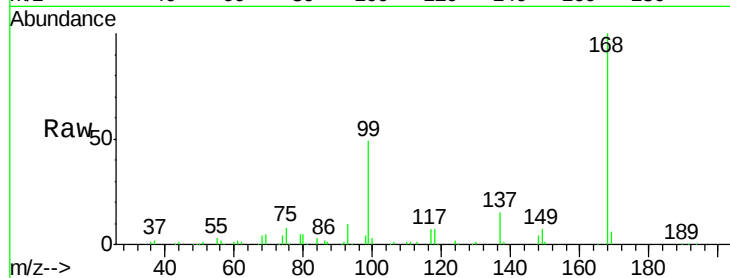
A-6(3.0)

Tot Ion:168 Resp: 786596

Ion Ratio Lower Upper

168 100

99 49.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

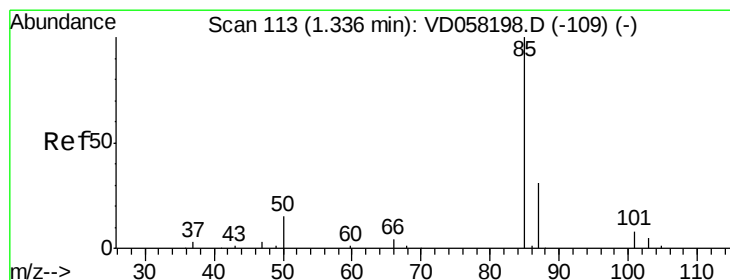
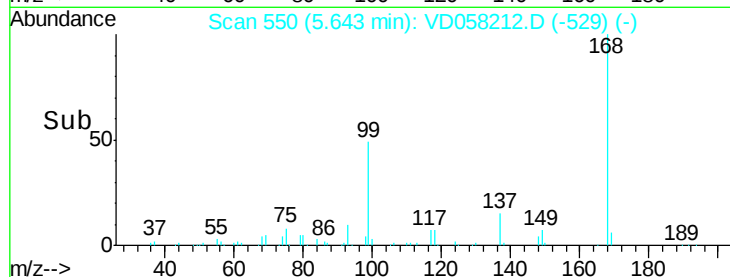
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.34 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD058212.D

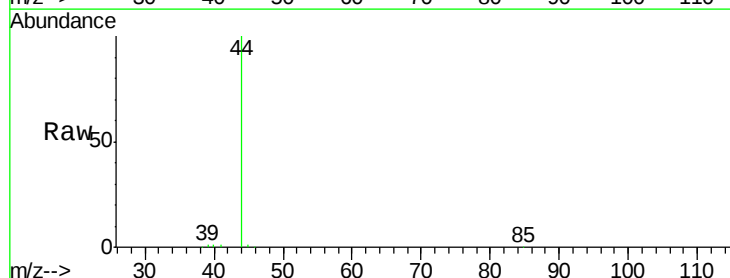
Acq: 20 Jun 2018 16:16

Tgt Ion: 85 Resp: 283

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

500

400

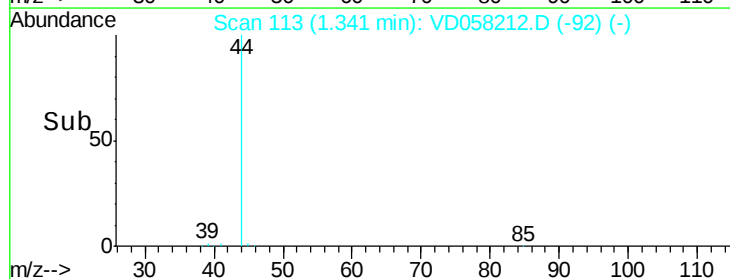
300

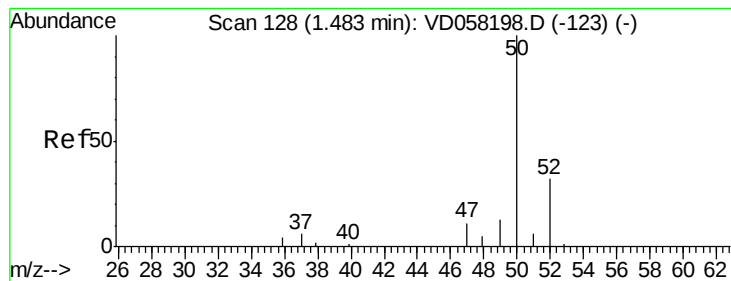
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.41 min Scan# 120

Delta R.T. -0.07 min

Lab File: VD058212.D

Acq: 20 Jun 2018 16:16

Instrument :

MSVOA_D

ClientSampleId :

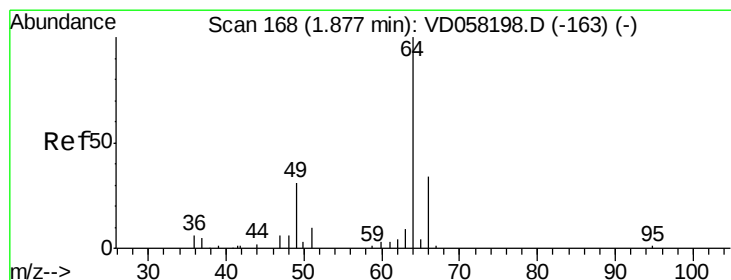
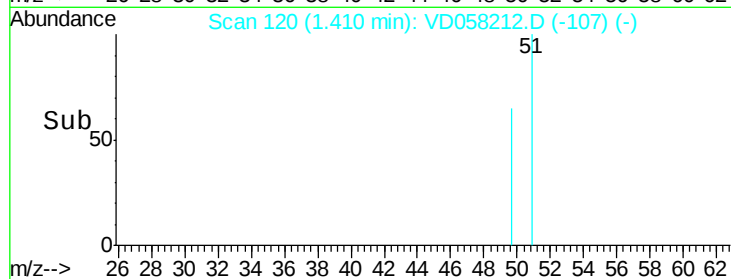
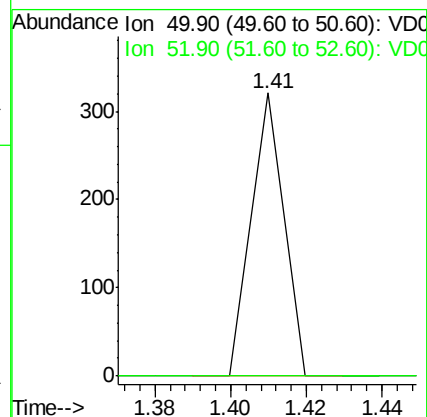
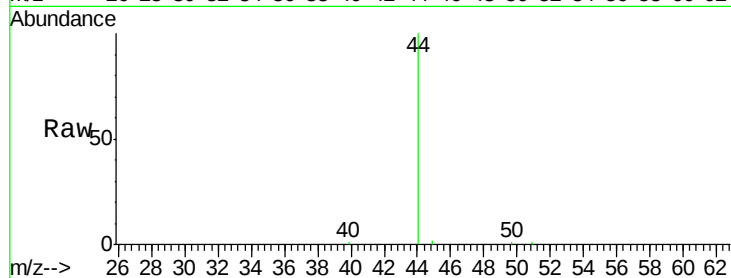
A-6(3.0)

Tot Ion: 50 Resp: 190

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



#6

Chloroethane

Concen: 1.538 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.11 min

Lab File: VD058212.D

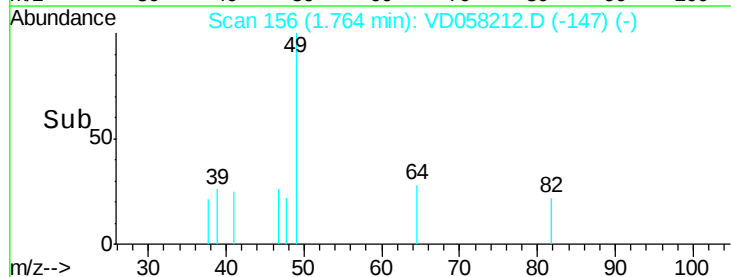
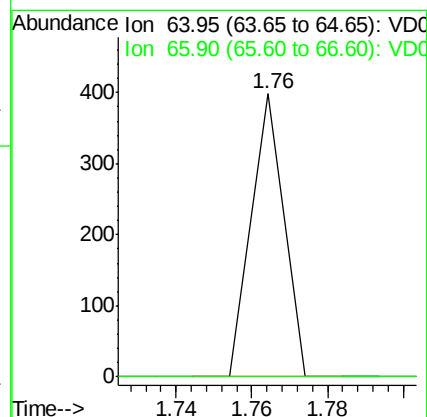
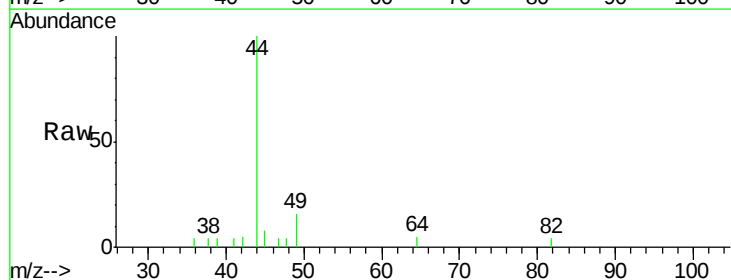
Acq: 20 Jun 2018 16:16

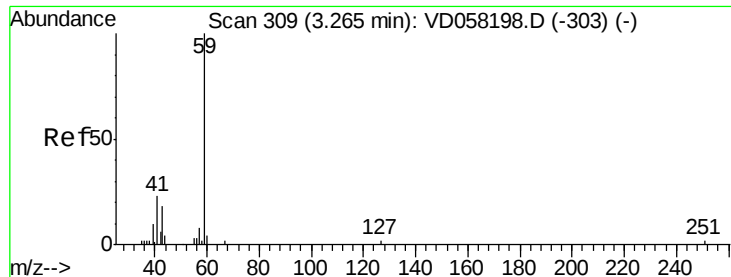
Tgt Ion: 64 Resp: 235

Ion Ratio Lower Upper

64 100

66 0.0 27.3 40.9#

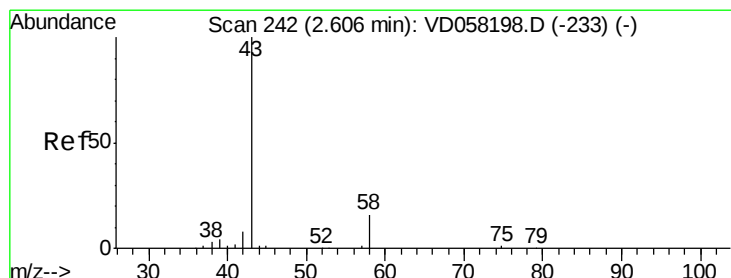
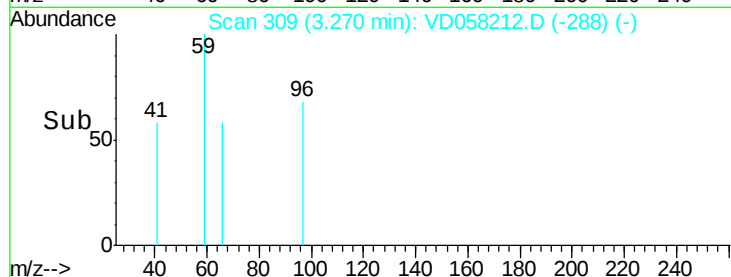
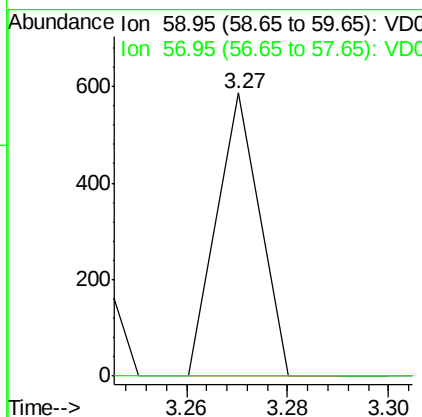
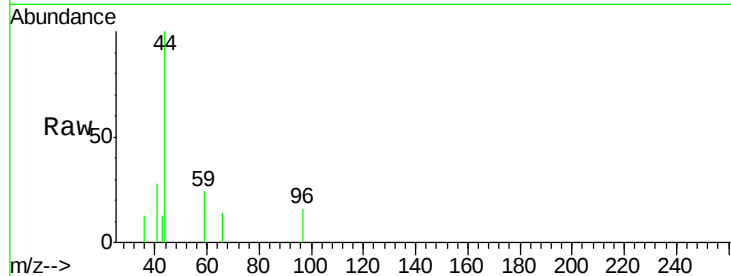




#11
Tert butyl alcohol
Concen: 1.324 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.01 min
Lab File: VD058212.D
Acq: 20 Jun 2018 16:16

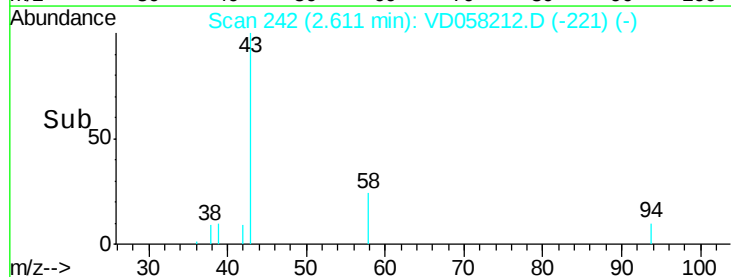
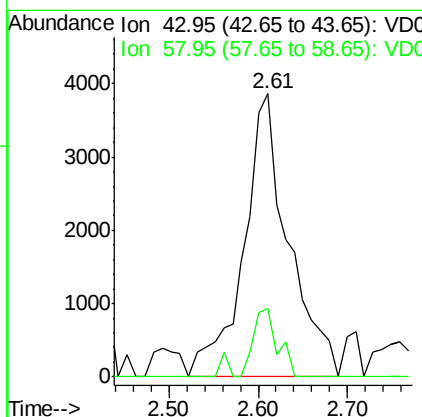
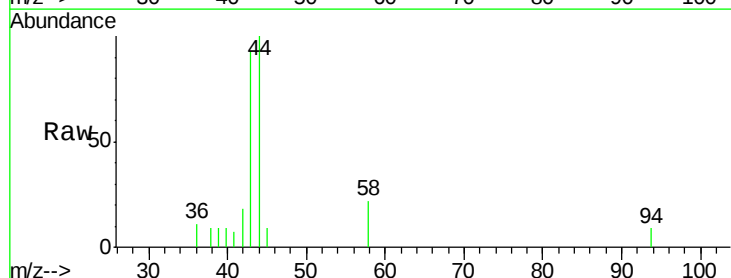
Instrument :
MSVOA_D
ClientSampleId :
A-6(3.0)

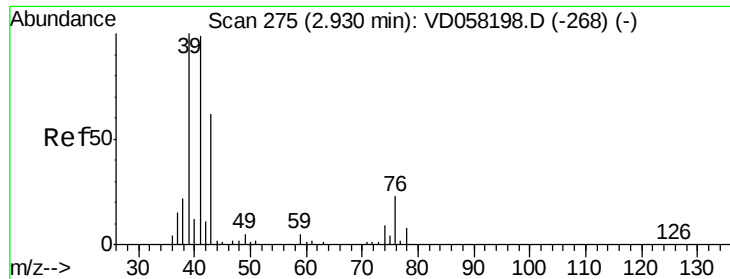
Tot Ion: 59 Resp: 347
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.4#



#16
Acetone
Concen: 12.356 ug/l
RT: 2.61 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD058212.D
Acq: 20 Jun 2018 16:16

Tgt Ion: 43 Resp: 13426
Ion Ratio Lower Upper
43 100
58 24.1 12.7 19.1#

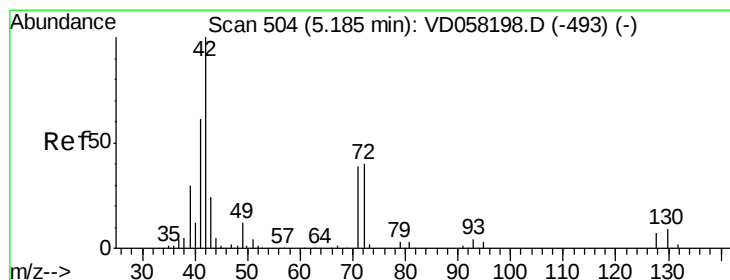
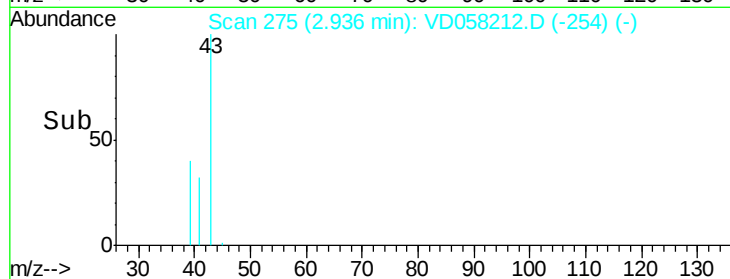
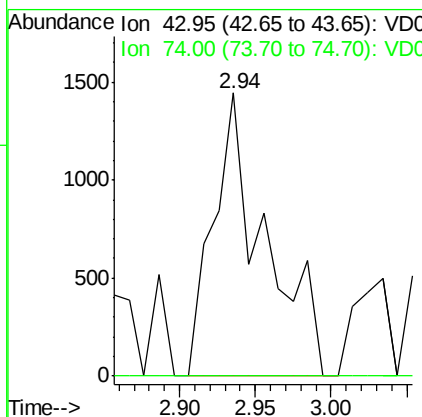
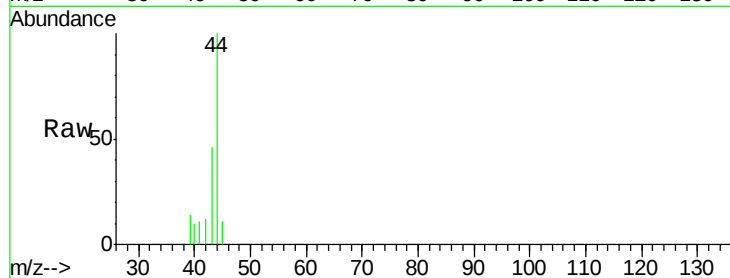




#18
Methvl Acetate
Concen: 1.473 ug/l
RT: 2.94 min Scan# 275
Delta R.T. 0.01 min
Lab File: VD058212.D
Acq: 20 Jun 2018 16:16

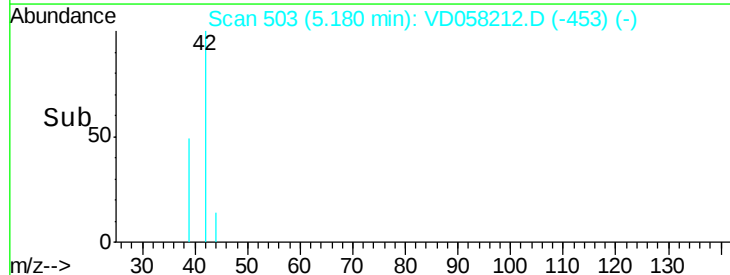
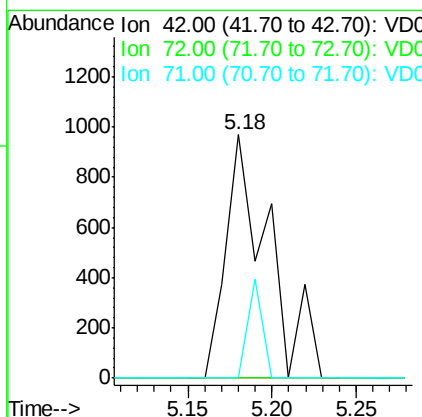
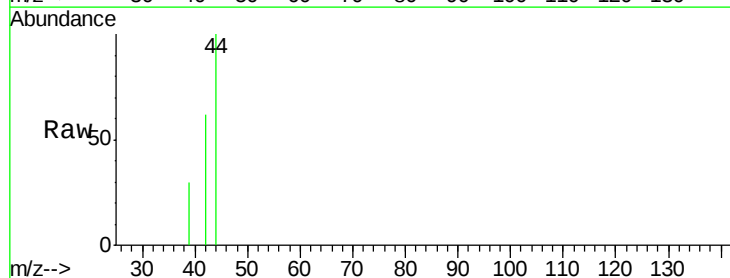
Instrument :
MSVOA_D
ClientSampleId :
A-6(3.0)

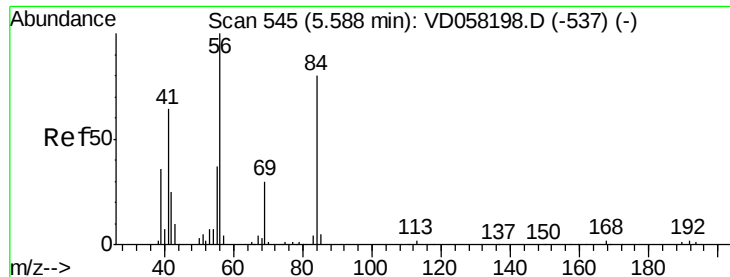
Tot Ion: 43 Resp: 3414
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#29
Tetrahydrofuran
Concen: 1.350 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.00 min
Lab File: VD058212.D
Acq: 20 Jun 2018 16:16

Tgt Ion: 42 Resp: 1702
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.2#
71 13.7 30.1 45.1#

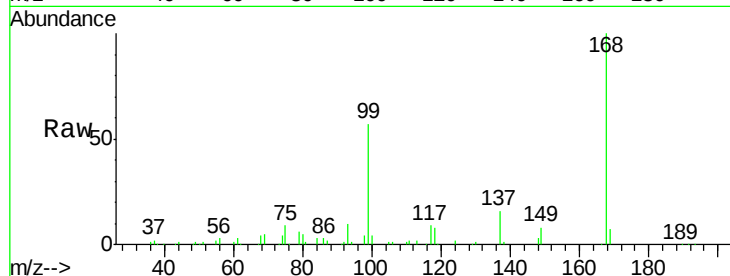




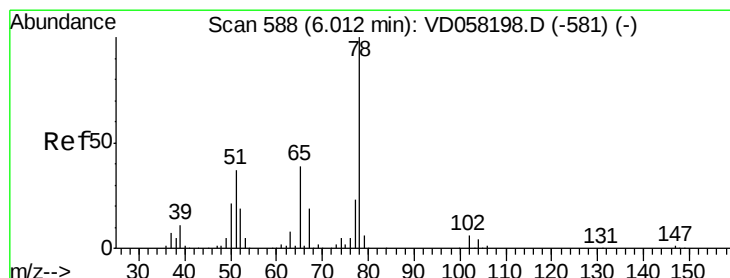
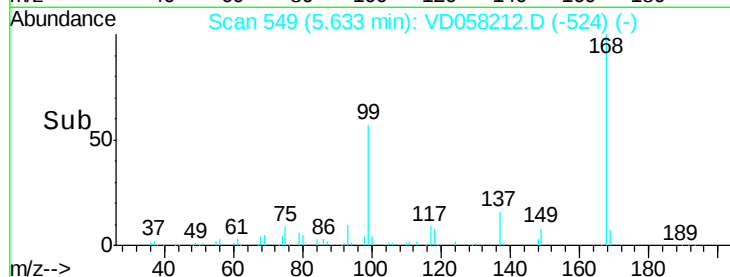
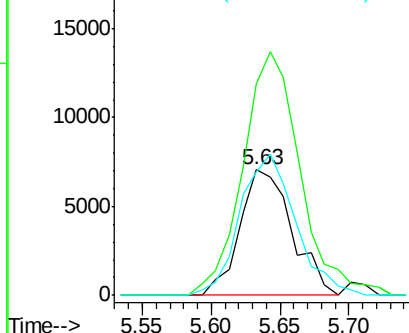
#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.04 min
Lab File: VD058212.D
Acq: 20 Jun 2018 16:16

Instrument :
MSVOA_D
ClientSampleId :
A-6(3.0)

Tot Ion: 56 Resp: 18685
Ion Ratio Lower Upper
56 100
69 168.9 23.6 35.4#
84 98.4 65.2 97.8#

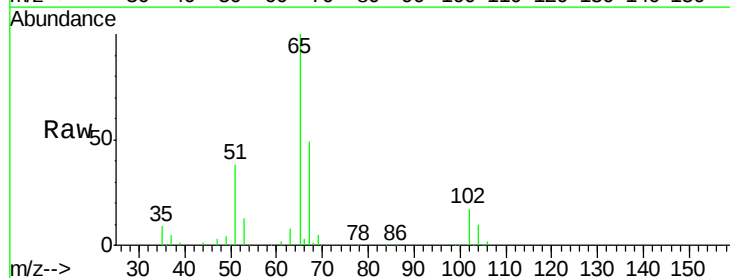


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

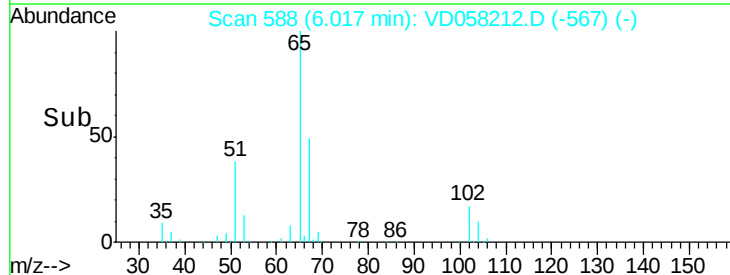
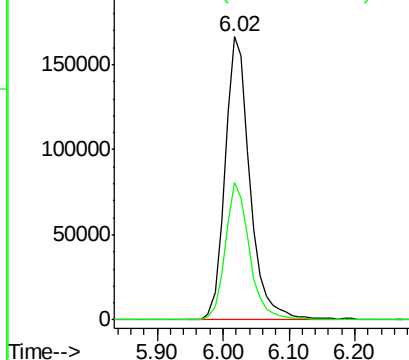


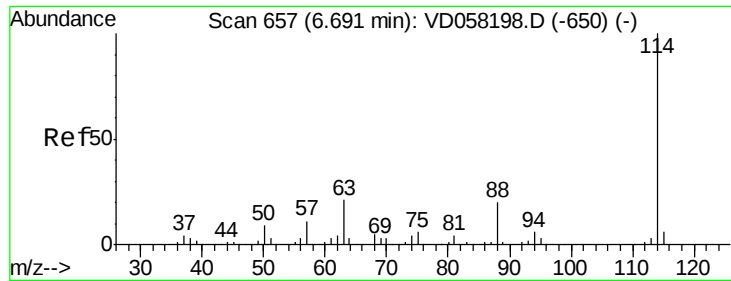
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.02 min Scan# 588
Delta R.T. 0.01 min
Lab File: VD058212.D
Acq: 20 Jun 2018 16:16

Tgt Ion: 65 Resp: 439491
Ion Ratio Lower Upper
65 100
67 48.7 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: VD058212.D

Acq: 20 Jun 2018 16:16

Instrument :

MSVOA_D

ClientSampleId :

A-6(3.0)

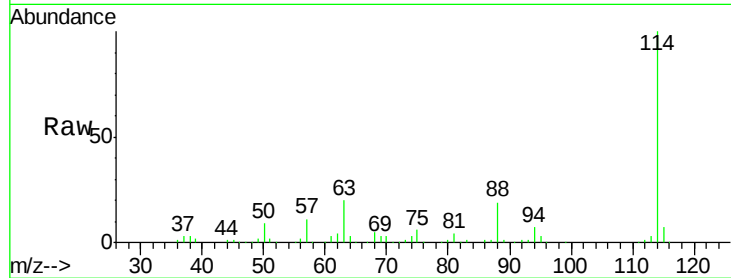
Tot Ion:114 Resp: 1034516

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

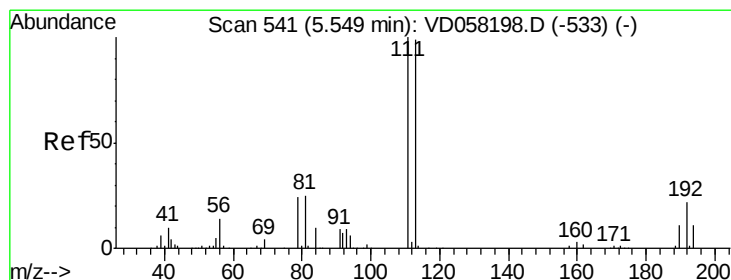
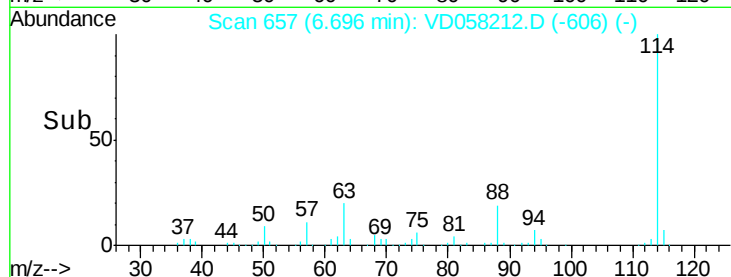
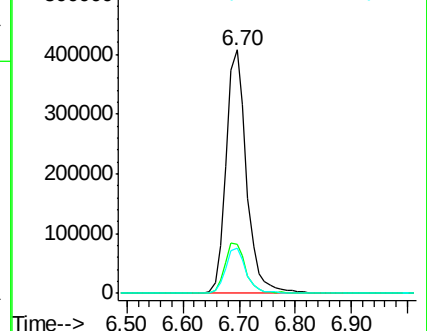
88 18.8 0.0 40.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.01 min

Lab File: VD058212.D

Acq: 20 Jun 2018 16:16

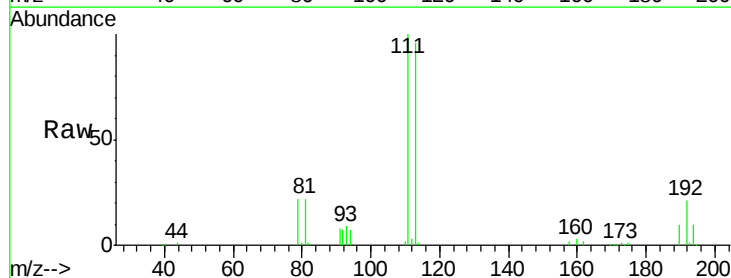
Tgt Ion:113 Resp: 426620

Ion Ratio Lower Upper

113 100

111 104.4 80.6 121.0

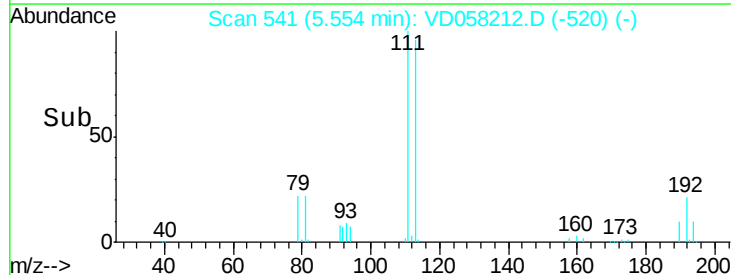
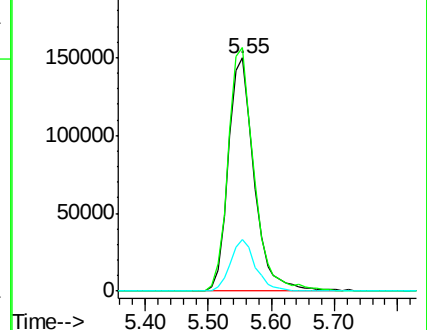
192 21.9 17.8 26.6

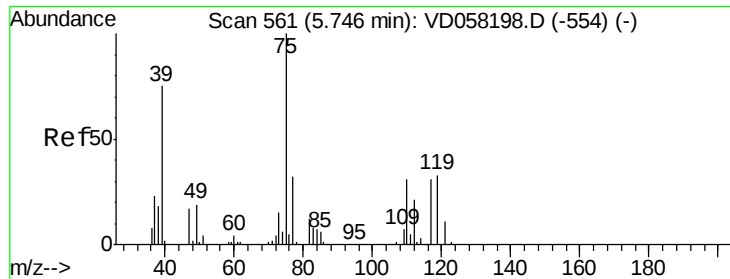


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.115 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.10 min

Lab File: VD058212.D

Acq: 20 Jun 2018 16:16

Instrument :

MSVOA_D

ClientSampleId :

A-6(3.0)

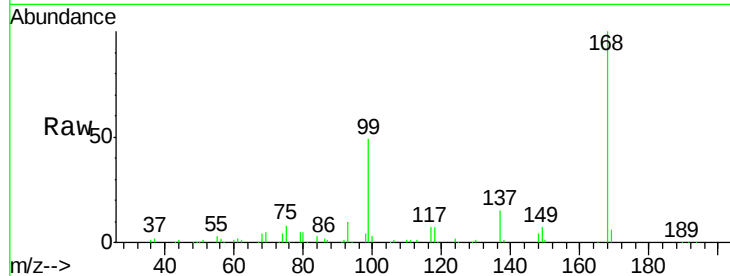
Tot Ion: 75 Resp: 62581

Ion Ratio Lower Upper

75 100

110 9.5 15.4 46.4#

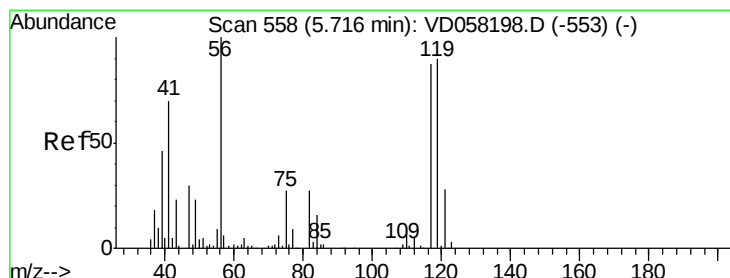
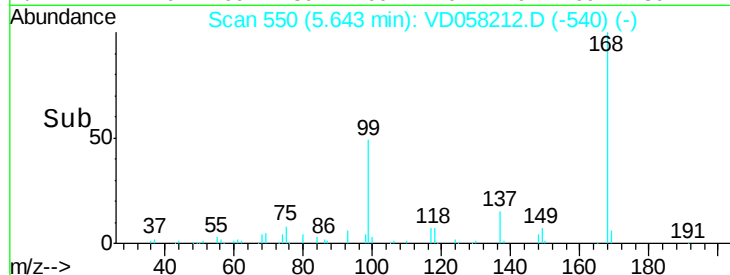
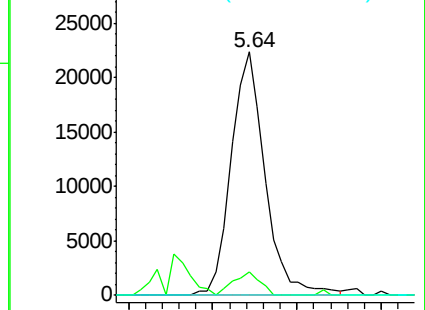
77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 6.087 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.07 min

Lab File: VD058212.D

Acq: 20 Jun 2018 16:16

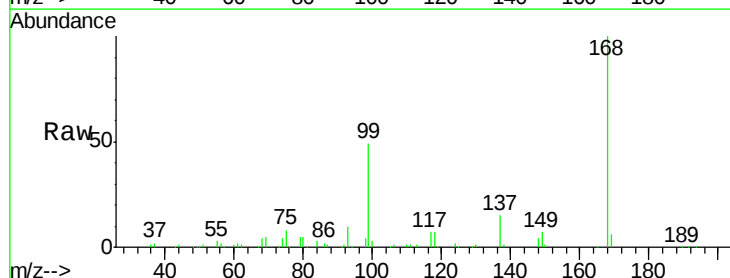
Tgt Ion: 117 Resp: 61901

Ion Ratio Lower Upper

117 100

119 4.1 78.8 118.2#

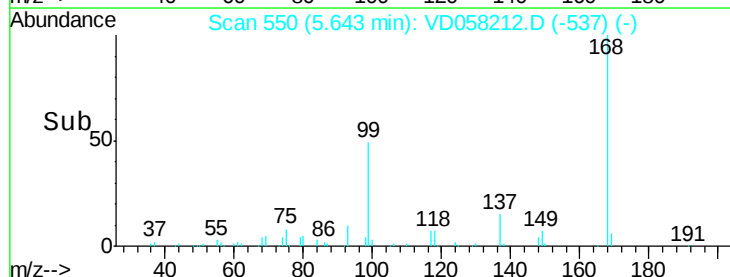
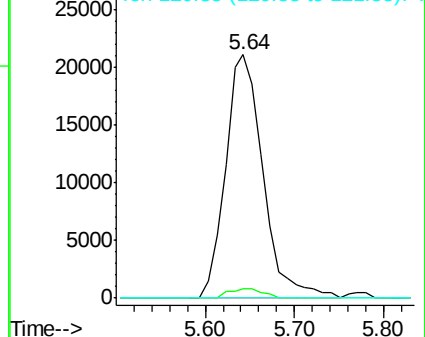
121 0.0 25.0 37.6#

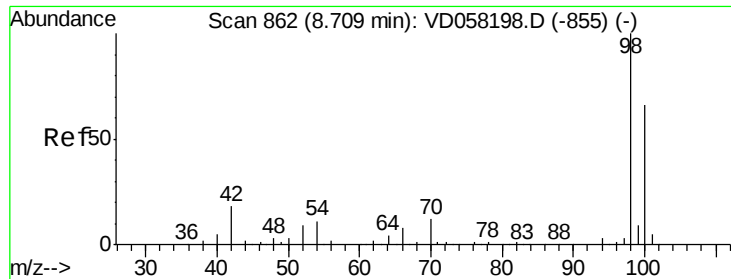


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

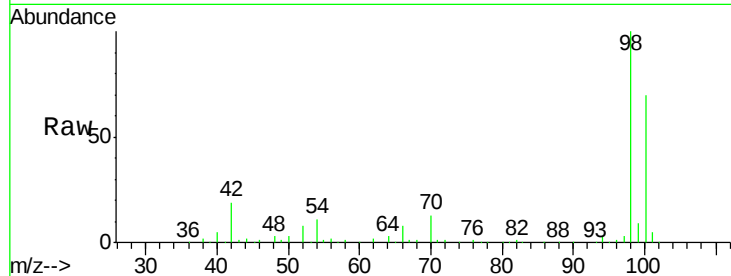




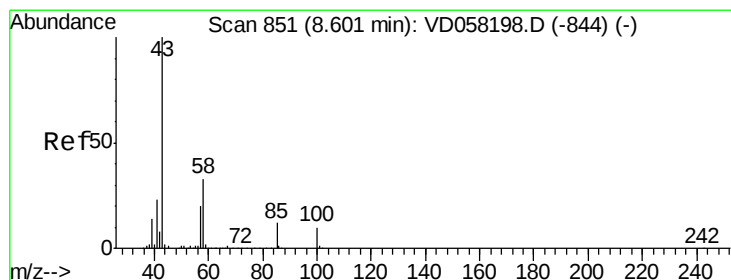
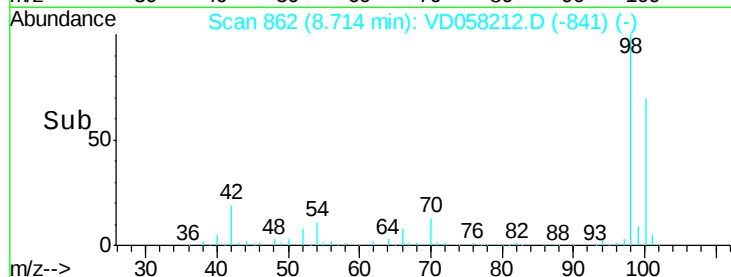
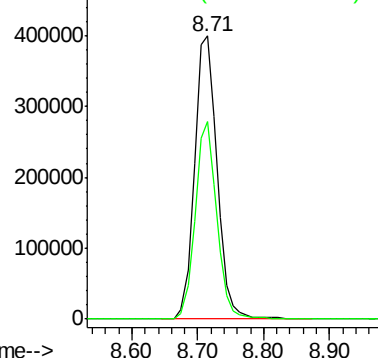
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD058212.D
Acq: 20 Jun 2018 16:16

Instrument :
MSVOA_D
ClientSampleId :
A-6(3.0)

Tot Ion: 98 Resp: 953930
Ion Ratio Lower Upper
98 100
100 69.9 53.6 80.4

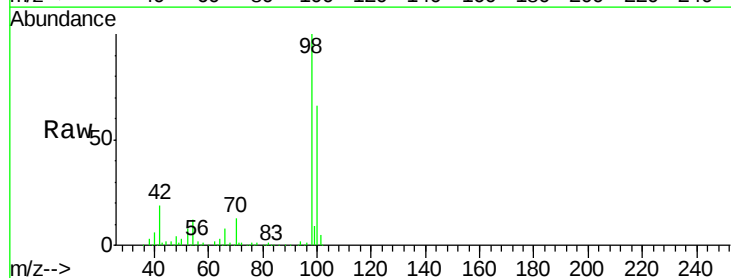


Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)

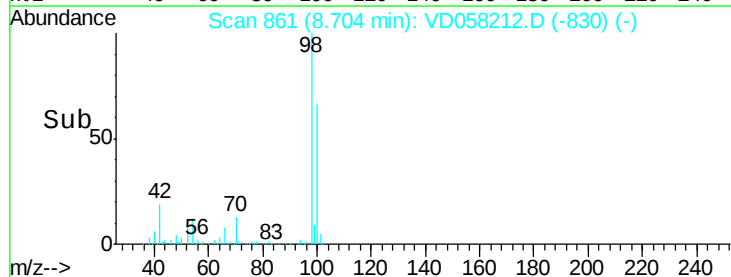
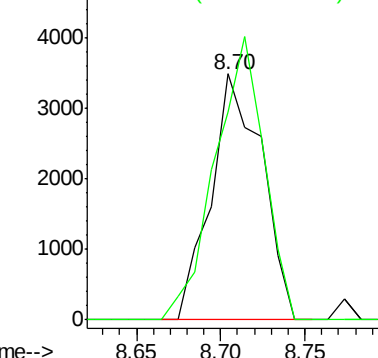


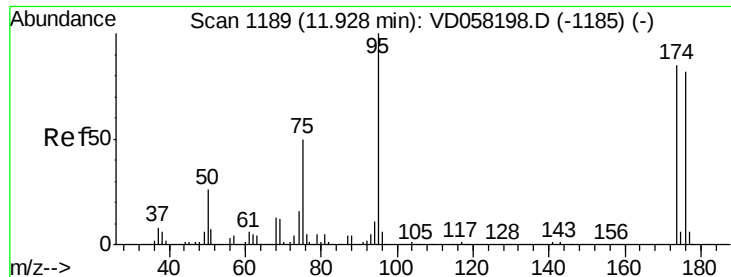
#51
4-Methyl-2-Pentanone
Concen: 1.440 ug/l
RT: 8.70 min Scan# 861
Delta R.T. 0.10 min
Lab File: VD058212.D
Acq: 20 Jun 2018 16:16

Tgt Ion: 43 Resp: 7301
Ion Ratio Lower Upper
43 100
58 84.6 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VD058198.D (-844) (-)
Ion 57.95 (57.65 to 58.65): VD058198.D (-844) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058212.D

Acq: 20 Jun 2018 16:16

Instrument :

MSVOA_D

ClientSampleId :

A-6(3.0)

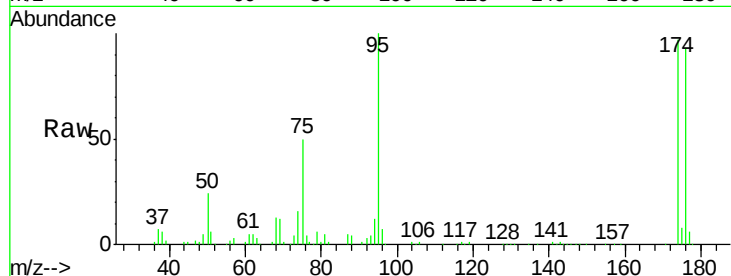
Tot Ion: 95 Resp: 405944

Ion Ratio Lower Upper

95 100

174 97.1 0.0 170.2

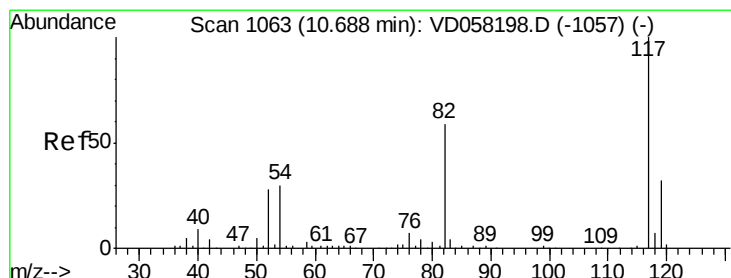
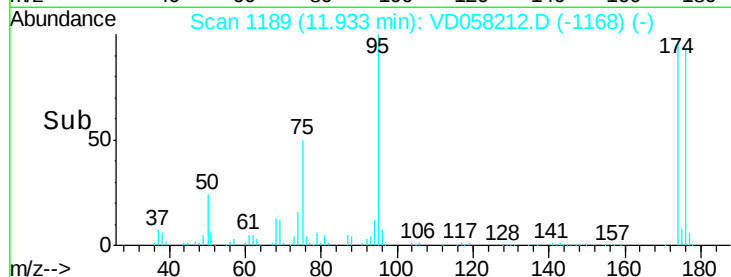
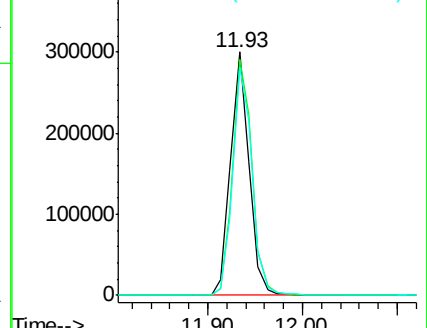
176 93.5 0.0 164.6



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: 10.69 min Scan# 1063

Delta R.T. 0.01 min

Lab File: VD058212.D

Acq: 20 Jun 2018 16:16

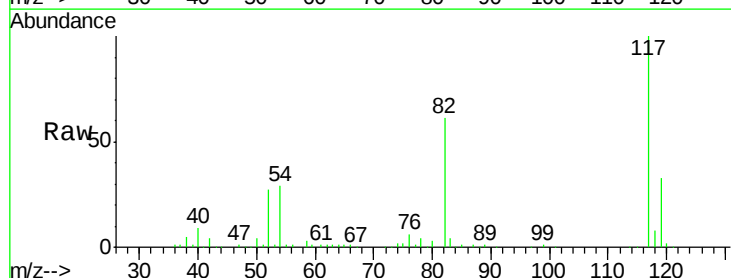
Tgt Ion: 117 Resp: 825279

Ion Ratio Lower Upper

117 100

82 60.6 47.0 70.6

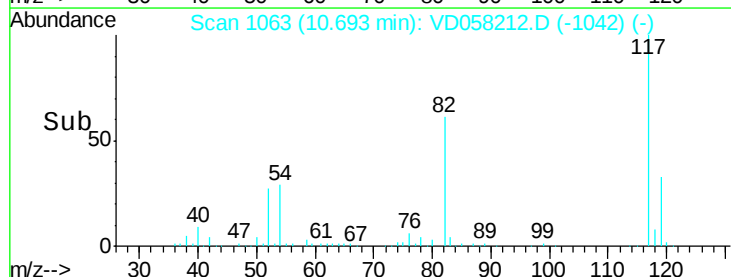
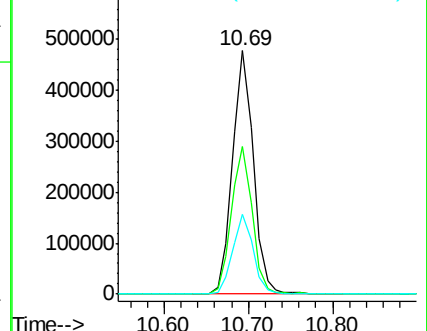
119 32.5 25.3 37.9

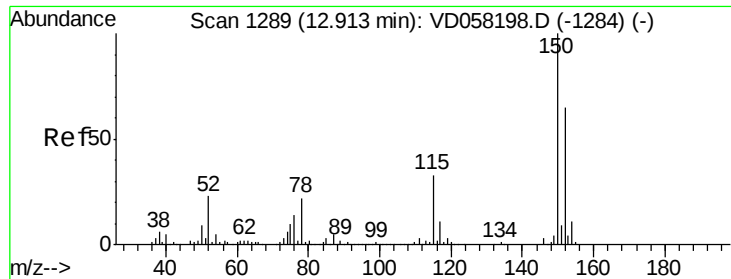


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD058212.D

Acq: 20 Jun 2018 16:16

Instrument :

MSVOA_D

ClientSampleId :

A-6(3.0)

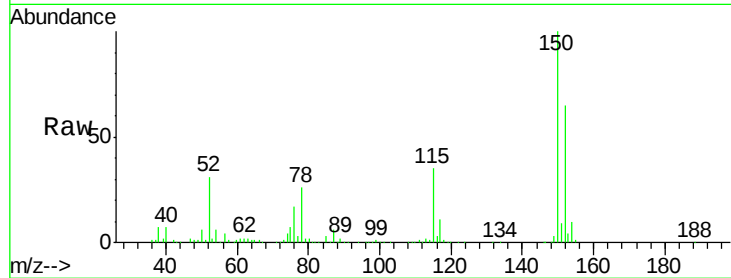
Tot Ion:152 Resp: 463656

Ion Ratio Lower Upper

152 100

115 54.5 25.1 75.3

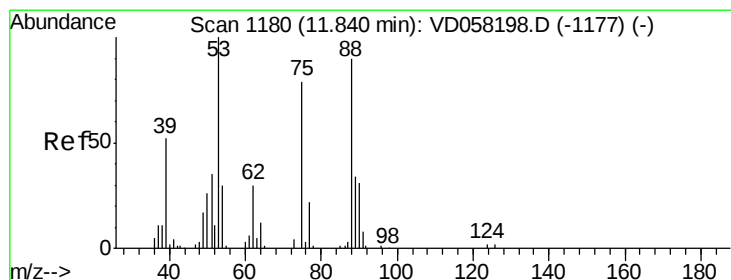
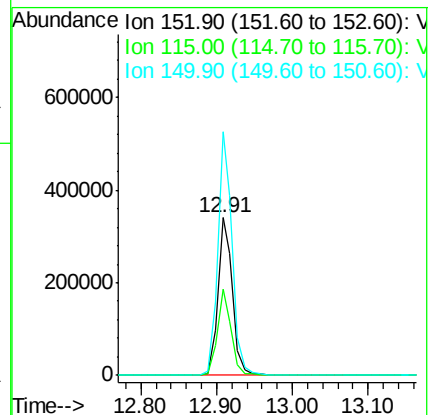
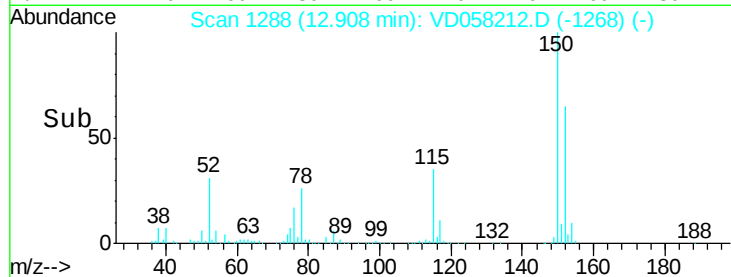
150 154.8 0.0 308.8



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: 122.587 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058212.D

Acq: 20 Jun 2018 16:16

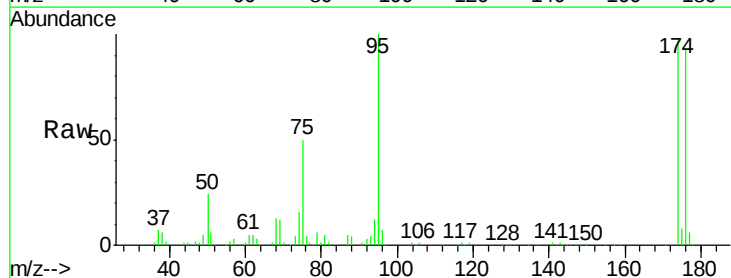
Tgt Ion: 75 Resp: 202396

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

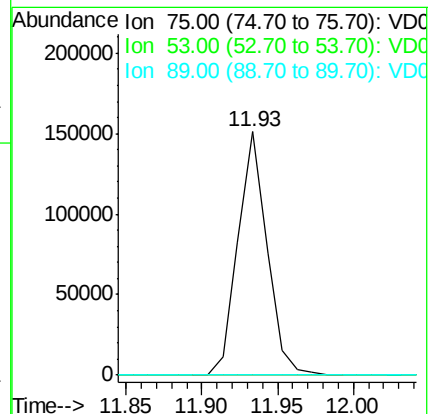
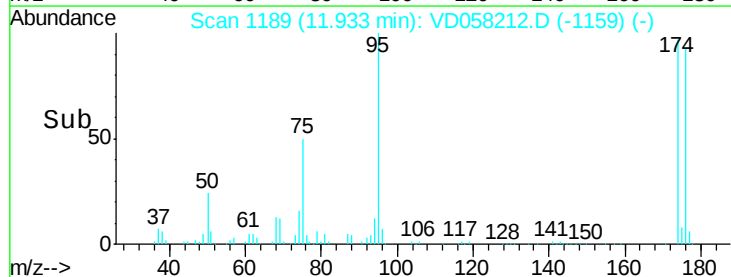
89 0.0 34.6 52.0#

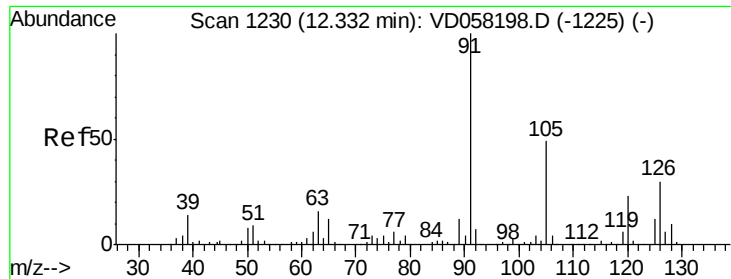


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: VD058212.D
 Acq: 20 Jun 2018 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 A-6(3.0)

Tot Ion: 91 Resp: 1011
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

