

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058334.D
 Acq On : 23 Jun 2018 10:51
 Operator : VA/AP
 Sample : J3628-01
 Misc : 6.83g/5ml/MSVOA D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC11-01

Quant Time: Jun 25 00:56:57 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	5.66	168	445385	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	595499	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	409189	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.92	152	142771	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	292744	65.07	ug/l	0.02
Spiked Amount			Recovery	=	130.14%	
35) Dibromofluoromethane	5.56	113	288052	59.43	ug/l	0.01
Spiked Amount			Recovery	=	118.86%	
50) Toluene-d8	8.72	98	521640	44.49	ug/l	0.01
Spiked Amount			Recovery	=	88.98%	
62) 4-Bromofluorobenzene	11.93	95	176846	36.92	ug/l	0.00
Spiked Amount			Recovery	=	73.84%	

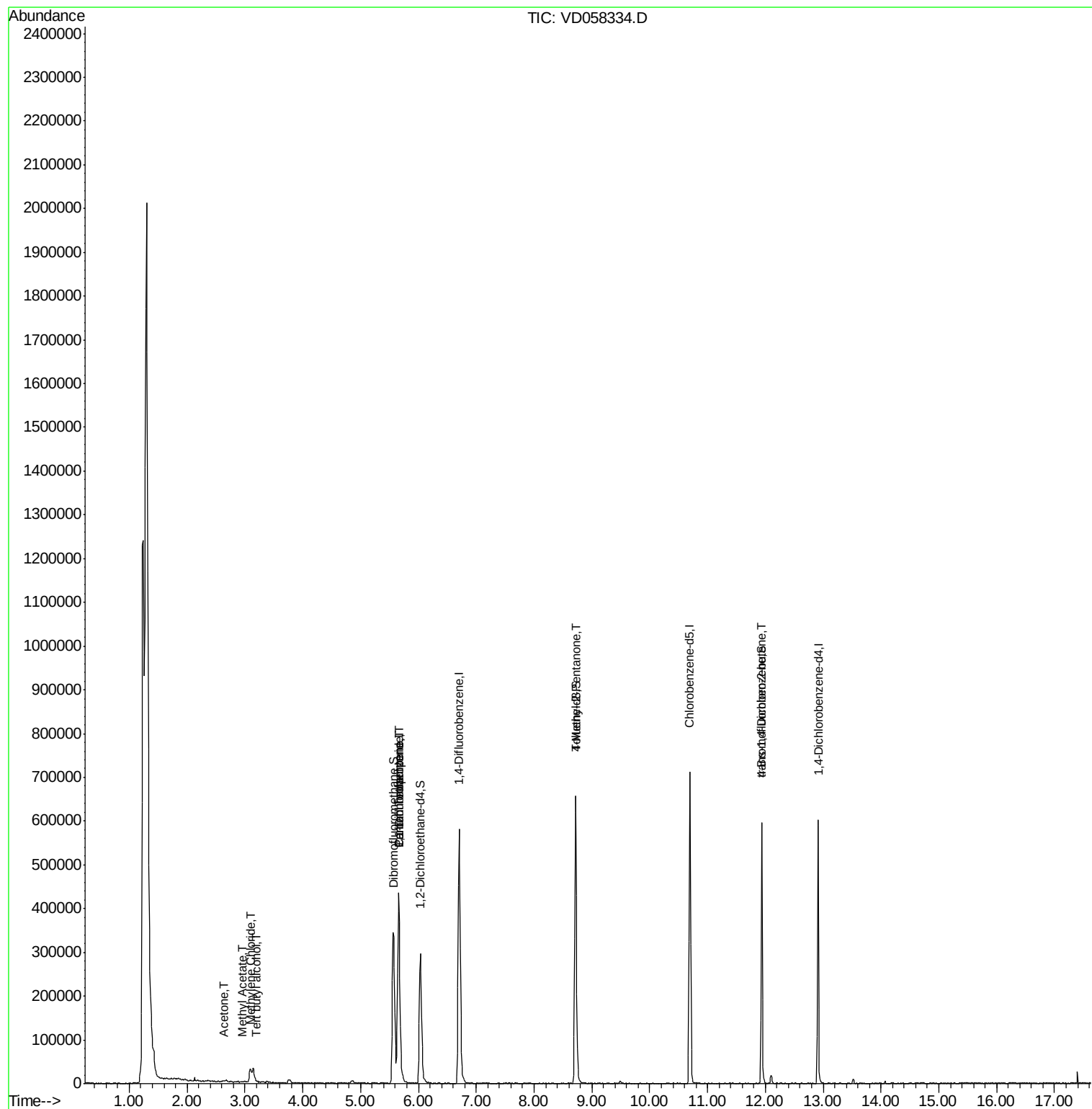
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	183	Below Cal	#	43
3) Chloromethane	1.60	50	179	Below Cal	#	43
11) Tert butyl alcohol	3.21	59	307	2.069	ug/l #	78
16) Acetone	2.63	43	2258	3.670	ug/l #	78
18) Methyl Acetate	2.95	43	1618	1.233	ug/l #	65
20) Methylene Chloride	3.09	84	15907	5.680	ug/l	92
31) Cyclohexane	5.66	56	9617	Below Cal	#	1
36) 1,1-Dichloropropene	5.66	75	37102	6.298	ug/l #	48
38) Carbon Tetrachloride	5.65	117	36109	6.169	ug/l #	11
51) 4-Methyl-2-Pentanone	8.71	43	3326	1.139	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	85626	168.424	ug/l #	1
82) 4-Chlorotoluene	12.17	91	222	Below Cal	#	45

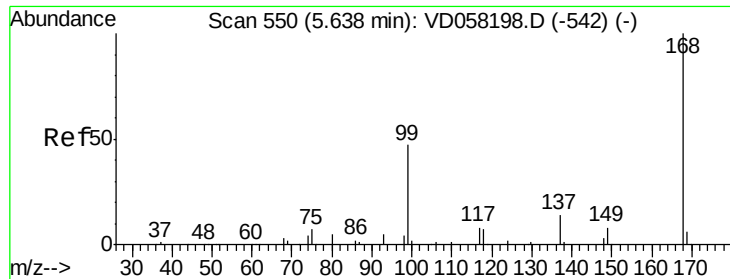
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
Data File : VD058334.D
Acq On : 23 Jun 2018 10:51
Operator : VA/AP
Sample : J3628-01
Misc : 6.83g/5ml/MSVOA D/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
AOC11-01

Quant Time: Jun 25 00:56:57 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: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058334.D

Acq: 23 Jun 2018 10:51

Instrument :

MSVOA_D

ClientSampleId :

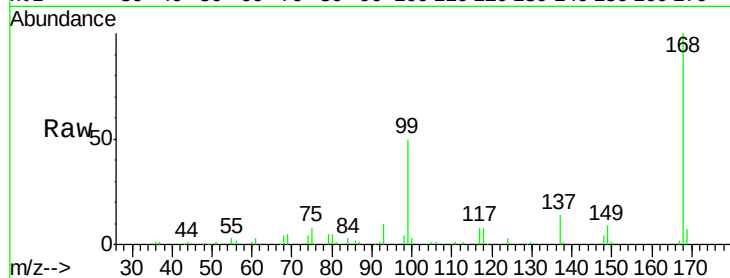
AOC11-01

Tot Ion:168 Resp: 445385

Ion Ratio Lower Upper

168 100

99 49.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

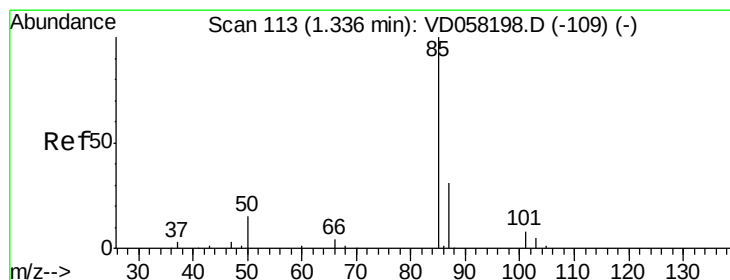
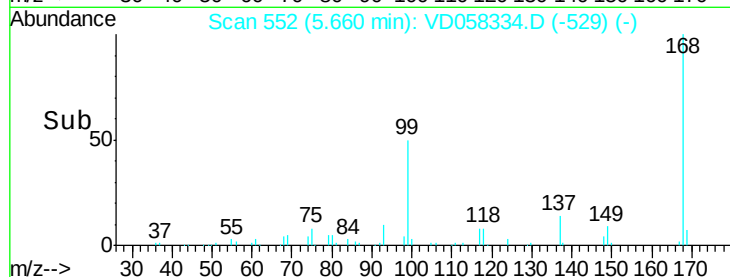
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058334.D

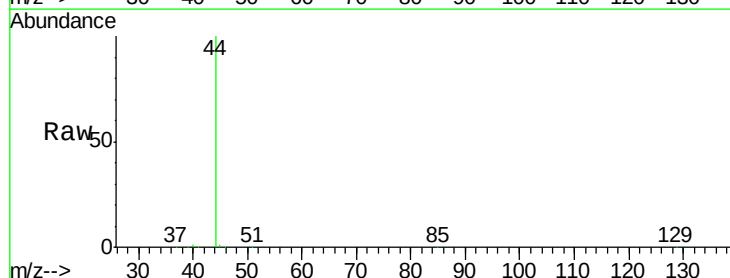
Acq: 23 Jun 2018 10:51

Tgt Ion: 85 Resp: 183

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

1.35

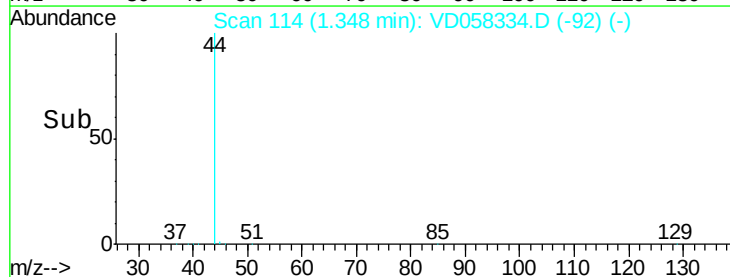
300

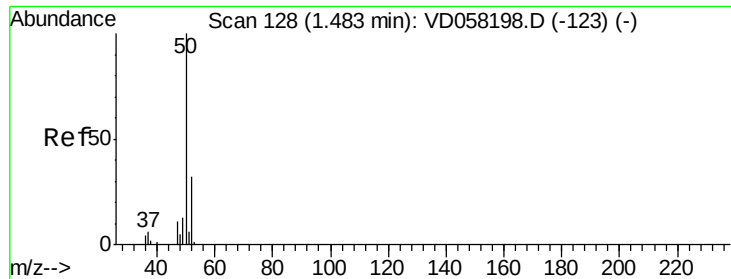
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.60 min Scan# 140

Delta R.T. 0.12 min

Lab File: VD058334.D

Acq: 23 Jun 2018 10:51

Instrument :

MSVOA_D

ClientSampleId :

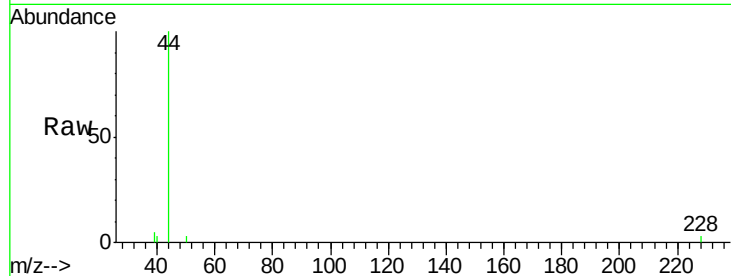
AOC11-01

Tot Ion: 50 Resp: 179

Ion Ratio Lower Upper

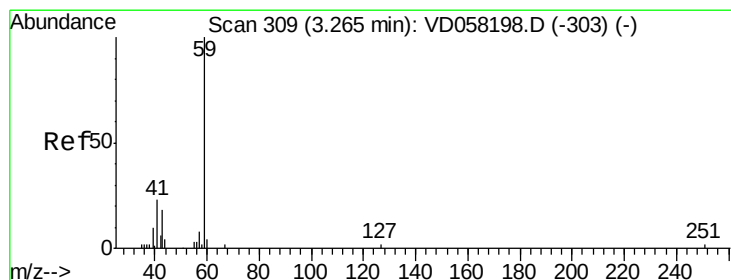
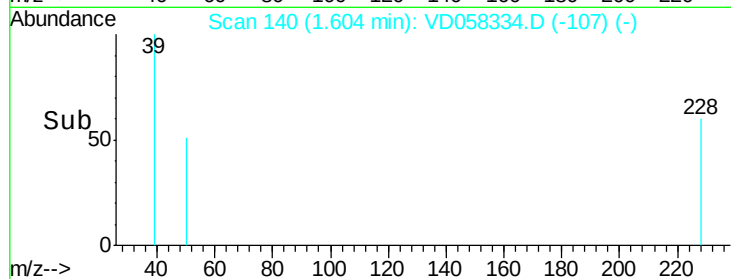
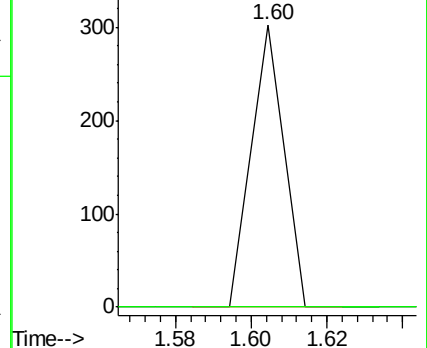
50 100

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



#11

Tert butyl alcohol

Concen: 2.069 ug/l

RT: 3.21 min Scan# 303

Delta R.T. -0.06 min

Lab File: VD058334.D

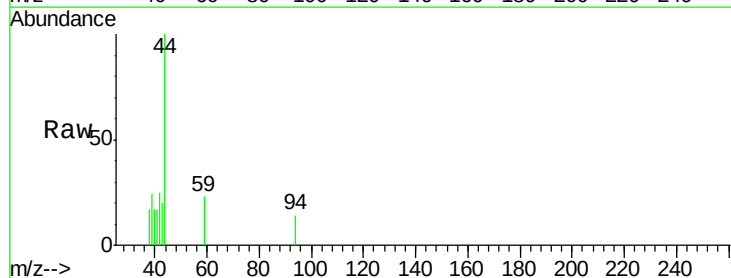
Acq: 23 Jun 2018 10:51

Tgt Ion: 59 Resp: 307

Ion Ratio Lower Upper

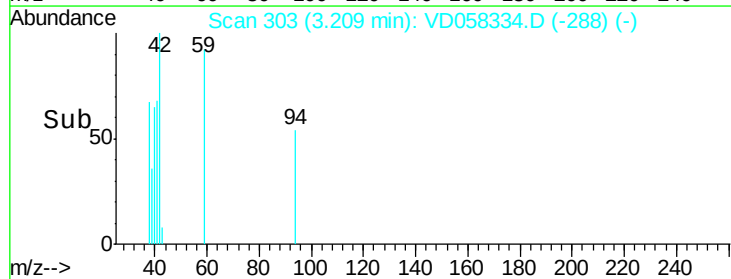
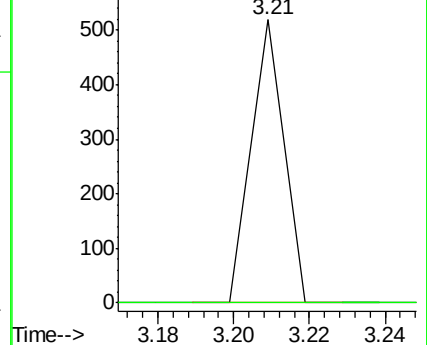
59 100

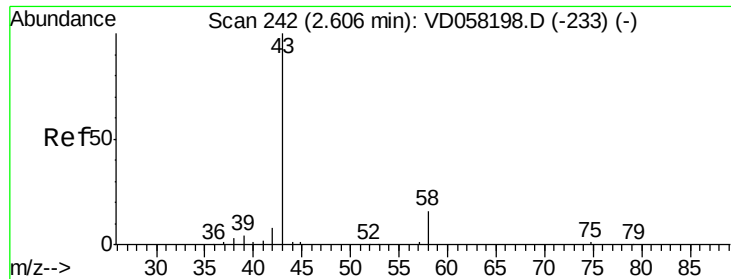
57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 3.670 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058334.D

Acq: 23 Jun 2018 10:51

Instrument :

MSVOA_D

ClientSampleId :

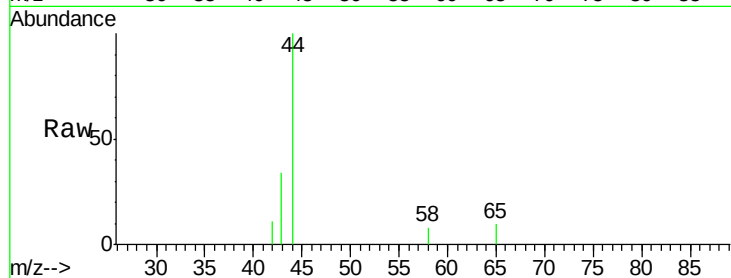
AOC11-01

Tot Ion: 43 Resp: 2258

Ion Ratio Lower Upper

43 100

58 25.1 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

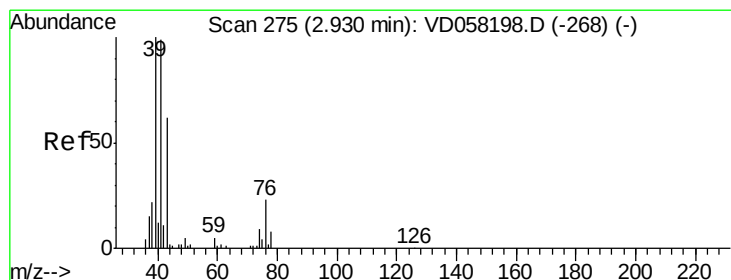
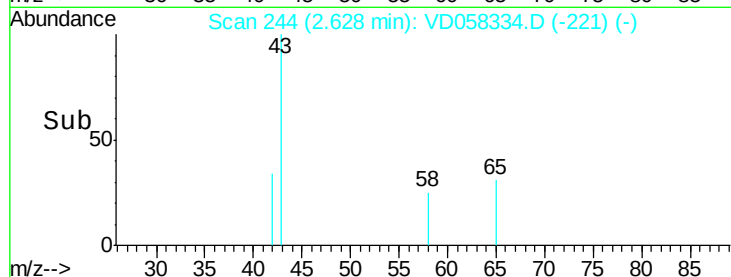
1500

1000

500

0

Time--> 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 1.233 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.02 min

Lab File: VD058334.D

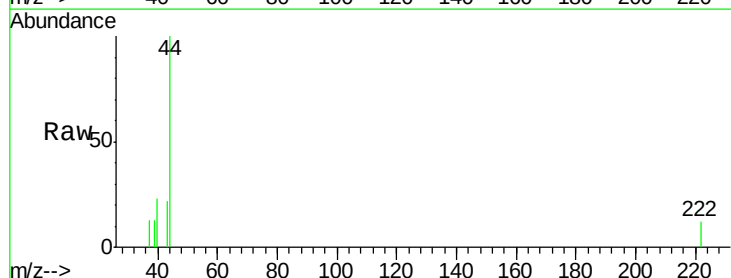
Acq: 23 Jun 2018 10:51

Tgt Ion: 43 Resp: 1618

Ion Ratio Lower Upper

43 100

74 0.0 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

2.95

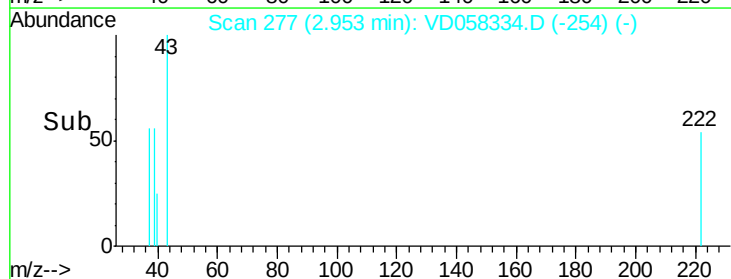
600

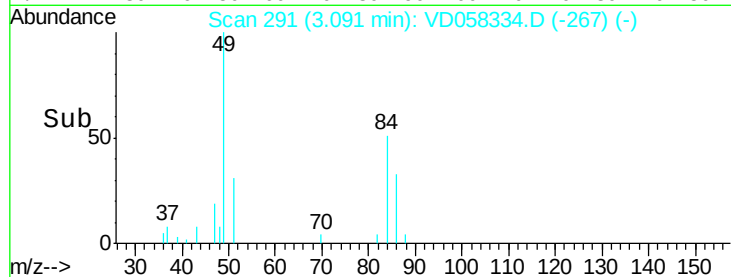
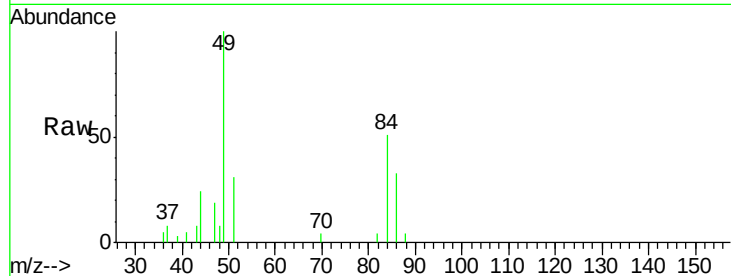
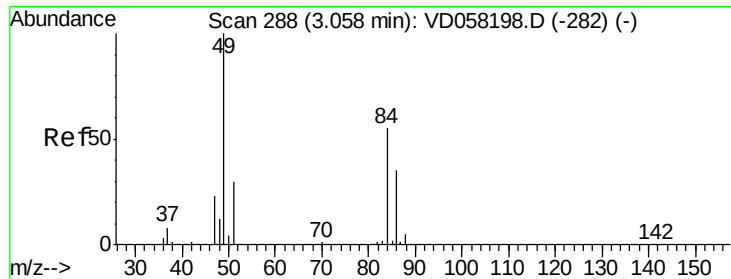
400

200

0

Time--> 2.90 2.95 3.00

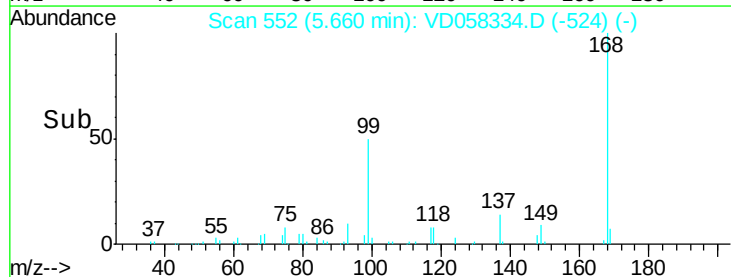
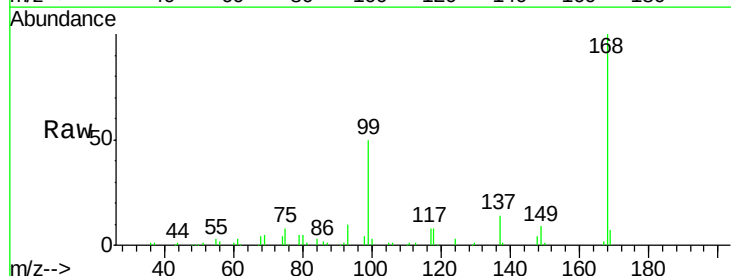
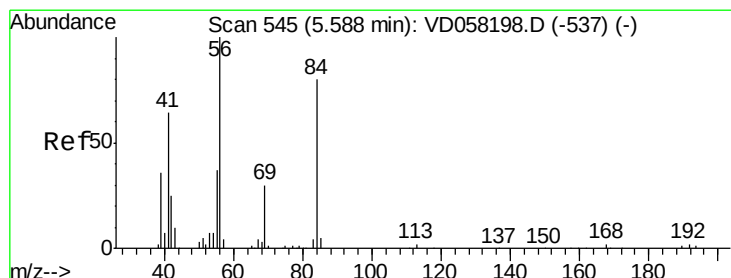
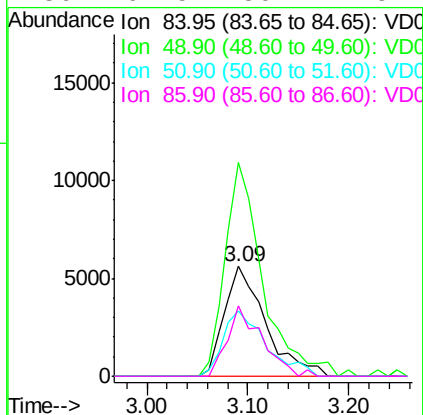




#20
Methylene Chloride
Concen: 5.680 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058334.D
Acq: 23 Jun 2018 10:51

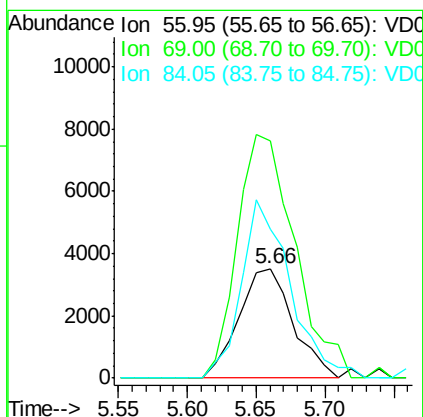
Instrument :
MSVOA_D
ClientSampleId :
AOC11-01

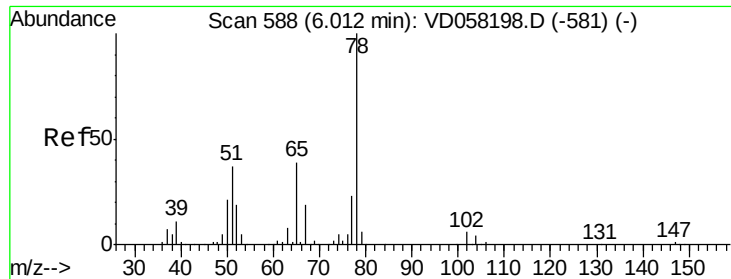
Tot Ion:	84	Resp:	15907
Ion	Ratio	Lower	Upper
84	100		
49	194.8	145.0	217.6
51	59.8	42.9	64.3
86	64.5	50.1	75.1



#31
Cyclohexane
Concen: Below Cal
RT: 5.66 min Scan# 552
Delta R.T. 0.07 min
Lab File: VD058334.D
Acq: 23 Jun 2018 10:51

Tgt Ion:	56	Resp:	9617
Ion	Ratio	Lower	Upper
56	100		
69	215.9	23.6	35.4#
84	135.0	65.2	97.8#

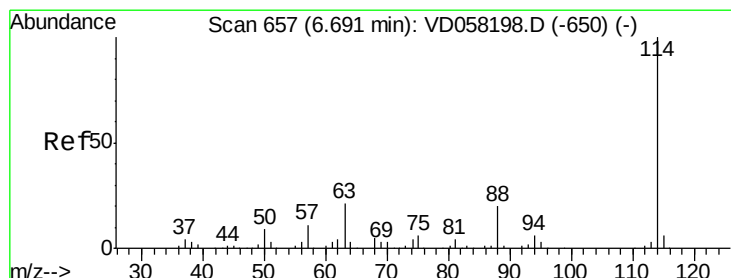
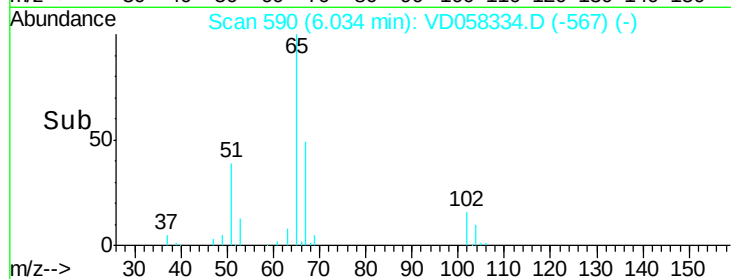
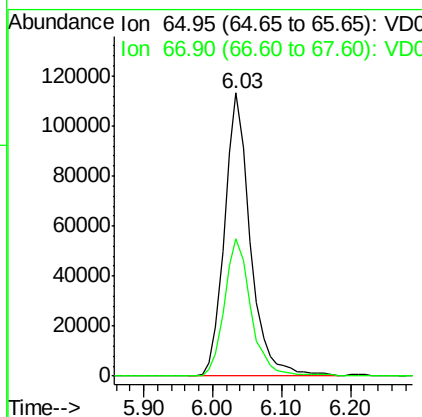
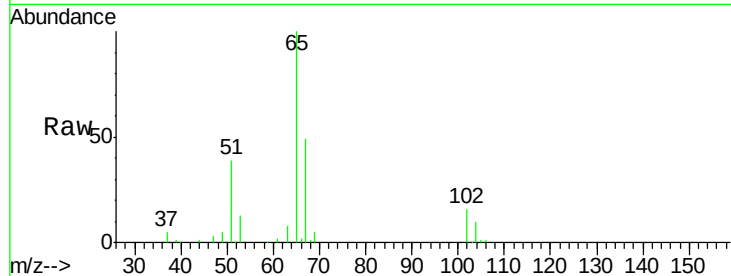




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058334.D
 Acq: 23 Jun 2018 10:51

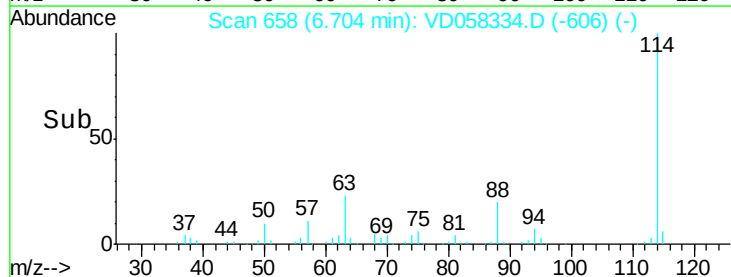
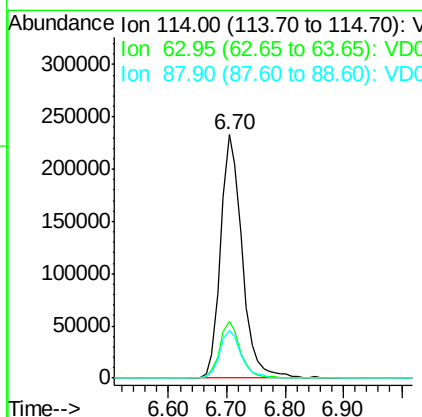
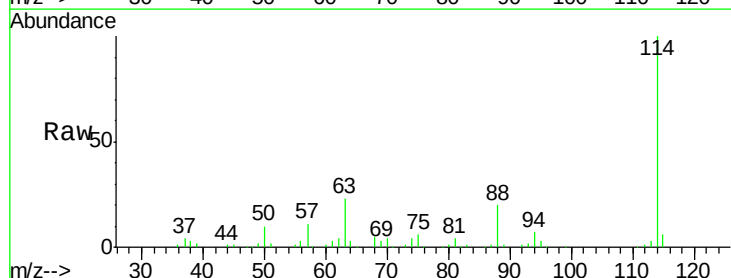
Instrument :
 MSVOA_D
 ClientSampleId :
 AOC11-01

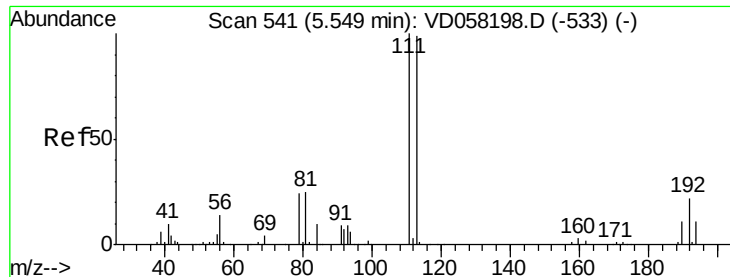
Tot Ion: 65 Resp: 292744
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058334.D
 Acq: 23 Jun 2018 10:51

Tgt Ion: 114 Resp: 595499
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 42.6
 88 19.9 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058334.D

Acq: 23 Jun 2018 10:51

Instrument :

MSVOA_D

ClientSampleId :

AOC11-01

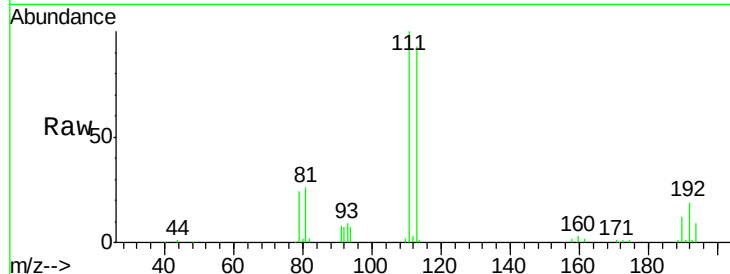
Tot Ion:113 Resp: 288052

Ion Ratio Lower Upper

113 100

111 107.1 80.6 121.0

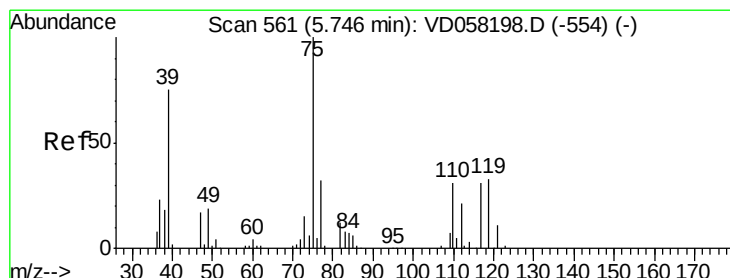
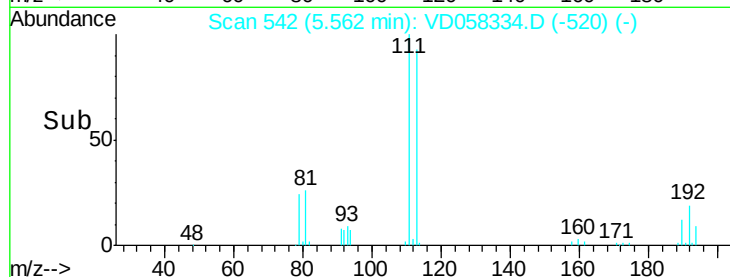
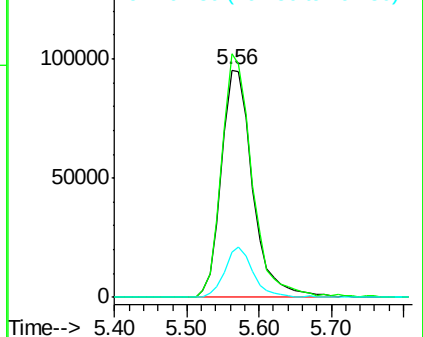
192 19.9 17.8 26.6



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: 6.298 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.09 min

Lab File: VD058334.D

Acq: 23 Jun 2018 10:51

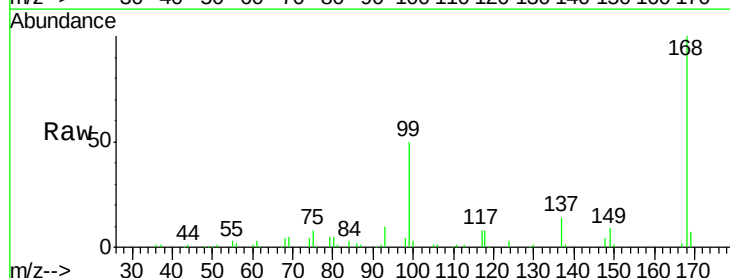
Tgt Ion: 75 Resp: 37102

Ion Ratio Lower Upper

75 100

110 5.1 15.4 46.4#

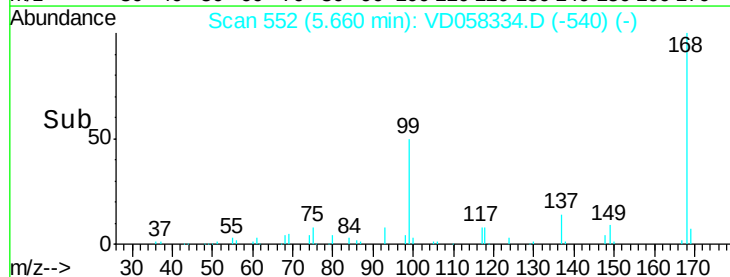
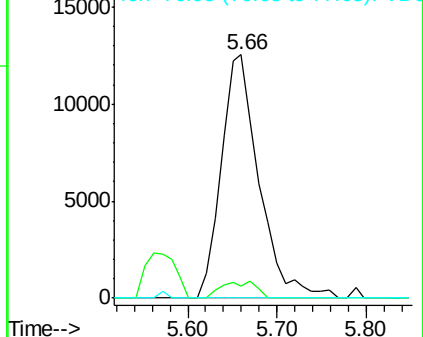
77 0.0 25.4 38.2#

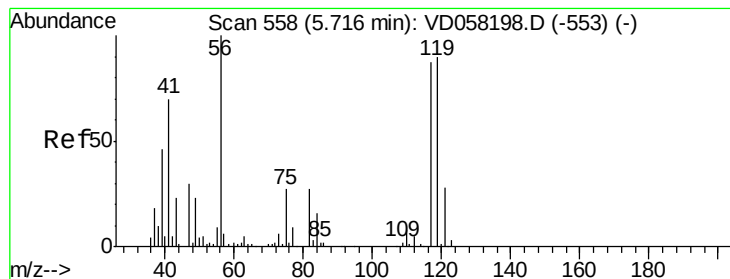


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.169 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.07 min

Lab File: VD058334.D

Acq: 23 Jun 2018 10:51

Instrument :

MSVOA_D

ClientSampleId :

AOC11-01

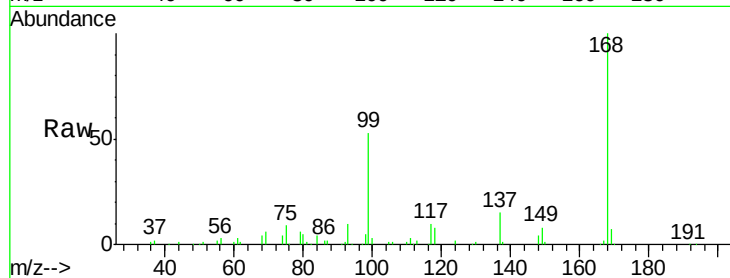
Tot Ion:117 Resp: 36109

Ion Ratio Lower Upper

117 100

119 0.0 78.8 118.2#

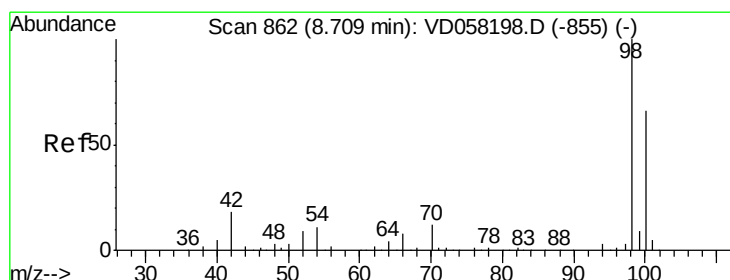
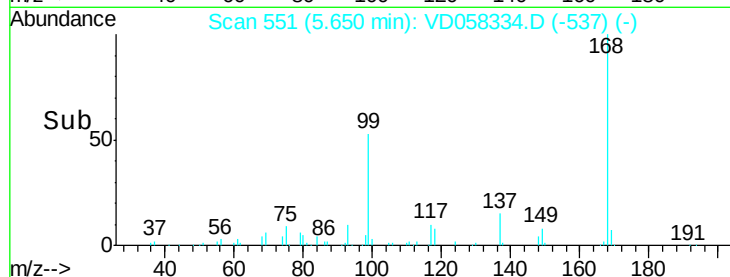
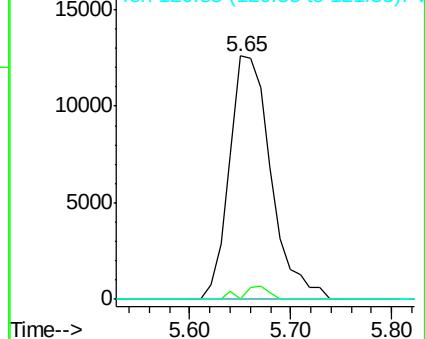
121 0.0 25.0 37.6#



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: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058334.D

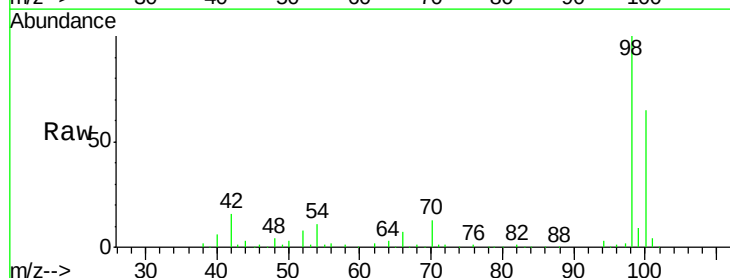
Acq: 23 Jun 2018 10:51

Tgt Ion: 98 Resp: 521640

Ion Ratio Lower Upper

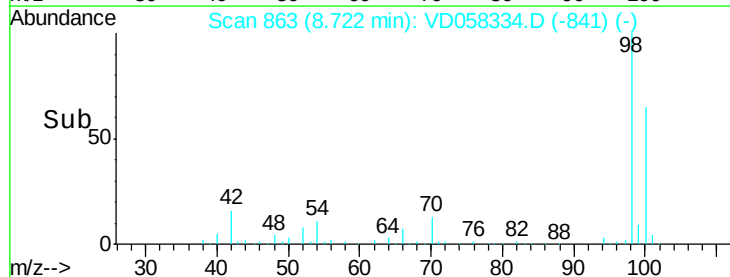
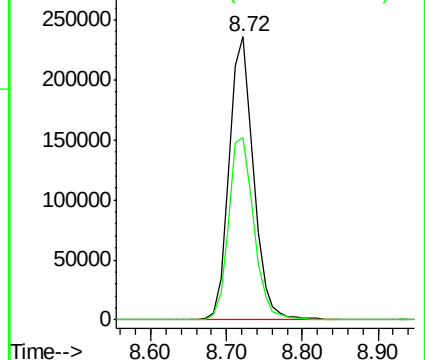
98 100

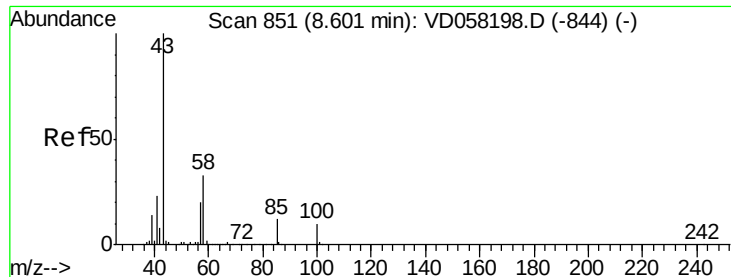
100 64.6 53.6 80.4



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: 1.139 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.11 min

Lab File: VD058334.D

Acq: 23 Jun 2018 10:51

Instrument :

MSVOA_D

ClientSampleId :

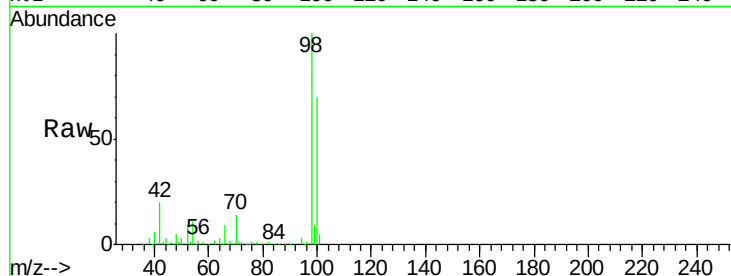
AOC11-01

Tot Ion: 43 Resp: 3326

Ion Ratio Lower Upper

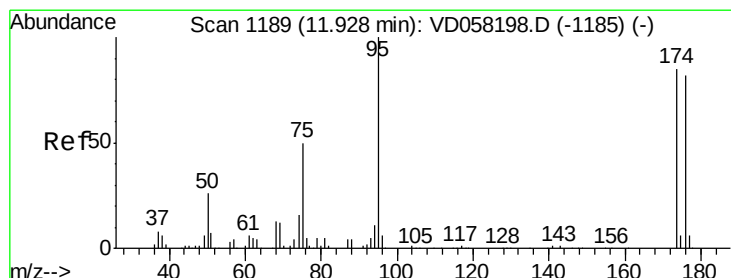
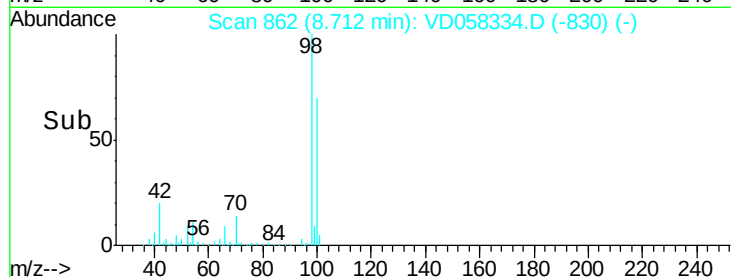
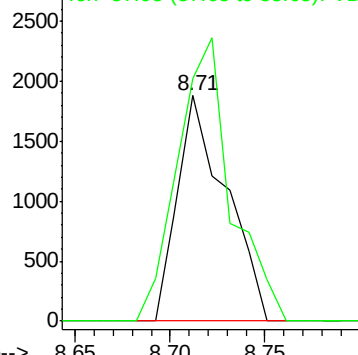
43 100

58 107.3 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: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058334.D

Acq: 23 Jun 2018 10:51

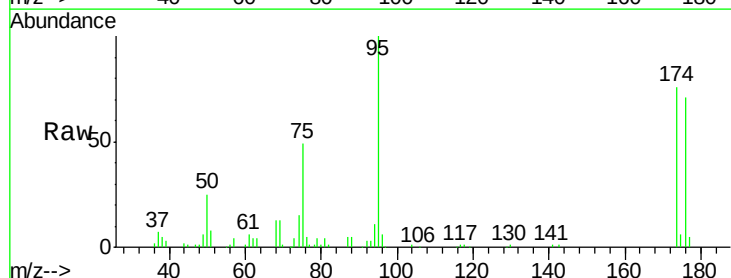
Tgt Ion: 95 Resp: 176846

Ion Ratio Lower Upper

95 100

174 76.1 0.0 170.2

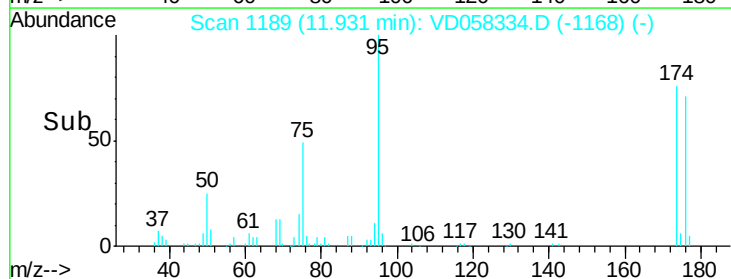
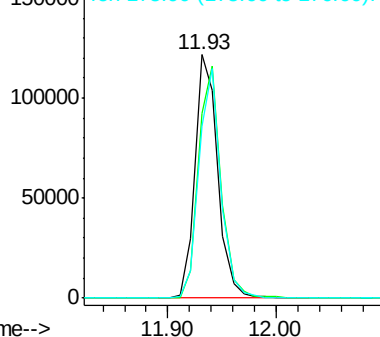
176 70.7 0.0 164.6

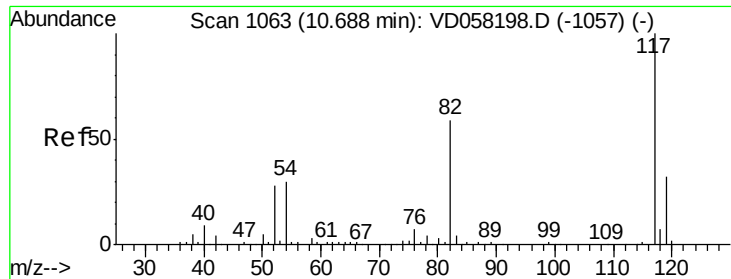


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

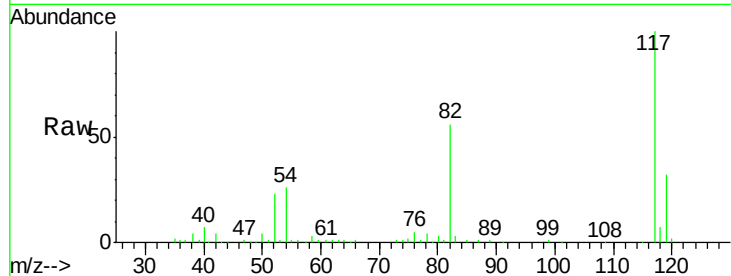




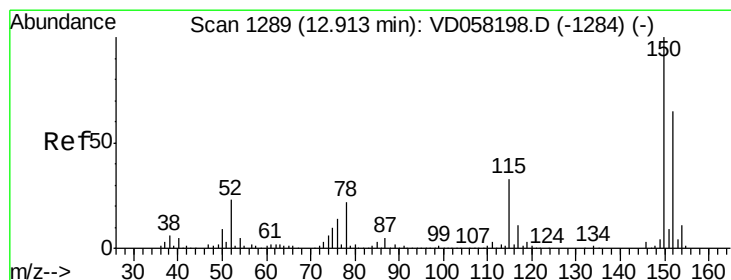
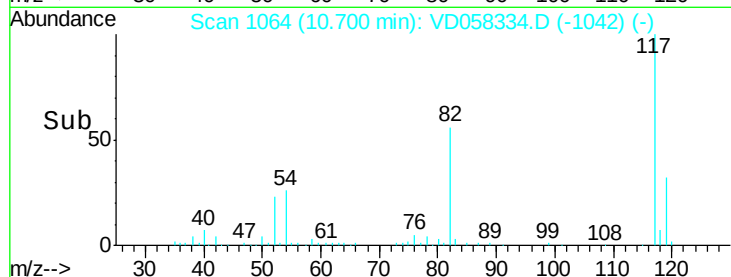
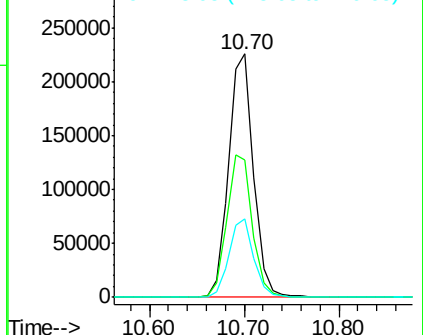
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058334.D
Acq: 23 Jun 2018 10:51

Instrument :
MSVOA_D
ClientSampleId :
AOC11-01

Tot Ion:117 Resp: 409189
Ion Ratio Lower Upper
117 100
82 56.2 47.0 70.6
119 32.2 25.3 37.9

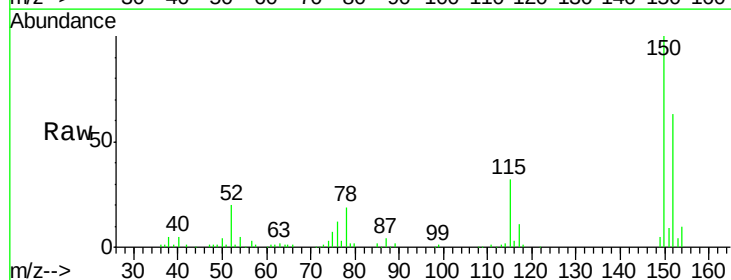


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

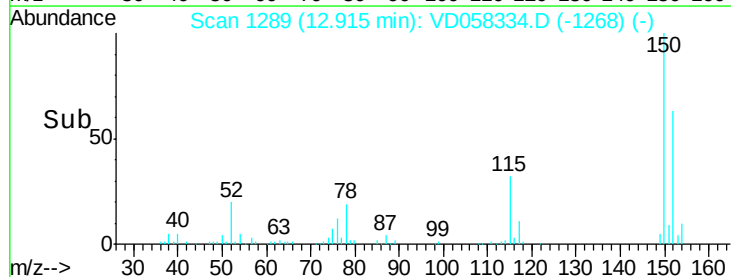
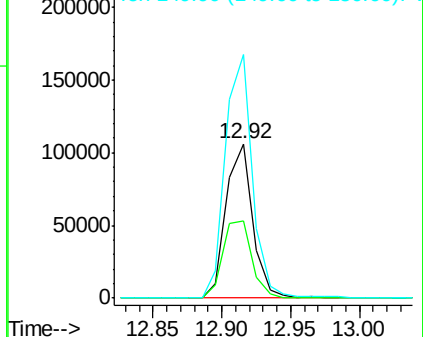


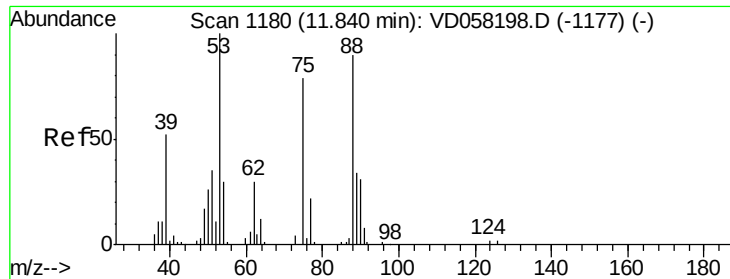
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058334.D
Acq: 23 Jun 2018 10:51

Tgt Ion:152 Resp: 142771
Ion Ratio Lower Upper
152 100
115 50.0 25.1 75.3
150 157.5 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: 168.424 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058334.D

Acq: 23 Jun 2018 10:51

Instrument :

MSVOA_D

ClientSampleId :

AOC11-01

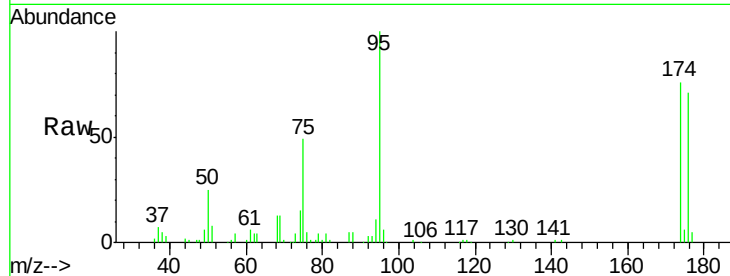
Tot Ion: 75 Resp: 85626

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

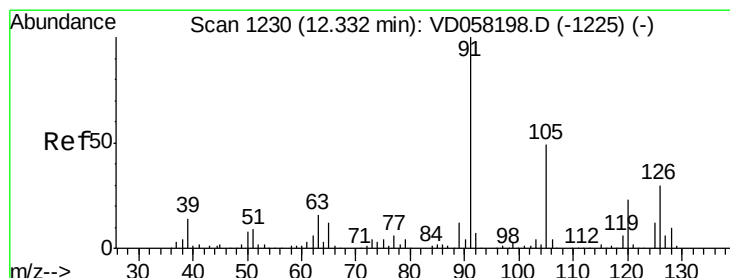
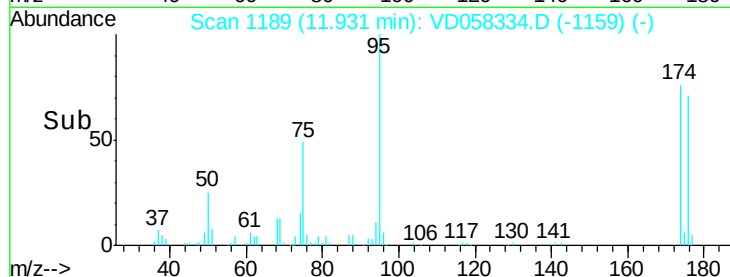
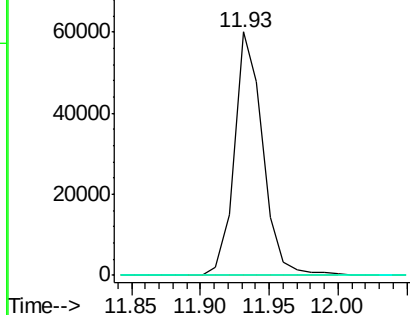
89 0.0 34.6 52.0#



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: 12.17 min Scan# 1213

Delta R.T. -0.16 min

Lab File: VD058334.D

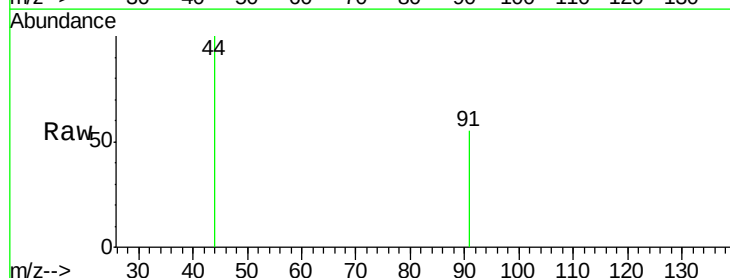
Acq: 23 Jun 2018 10:51

Tgt Ion: 91 Resp: 222

Ion Ratio Lower Upper

91 100

126 0.0 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

