

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090618\
 Data File : VD059983.D
 Acq On : 6 Sep 2018 14:02
 Operator : JC/SY
 Sample : J4741-11RE
 Misc : 4.72g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC10-02-CRE

Quant Time: Sep 07 03:45:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	955687	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1433079	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	881018	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	250657	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	501724	62.29	ug/l	-0.03
Spiked Amount			Recovery	=	124.58%	
35) Dibromofluoromethane	6.30	113	612293	54.50	ug/l	-0.03
Spiked Amount			Recovery	=	109.00%	
50) Toluene-d8	9.44	98	1348040	43.23	ug/l	-0.02
Spiked Amount			Recovery	=	86.46%	
62) 4-Bromofluorobenzene	12.42	95	355823	28.10	ug/l	-0.01
Spiked Amount			Recovery	=	56.20%	

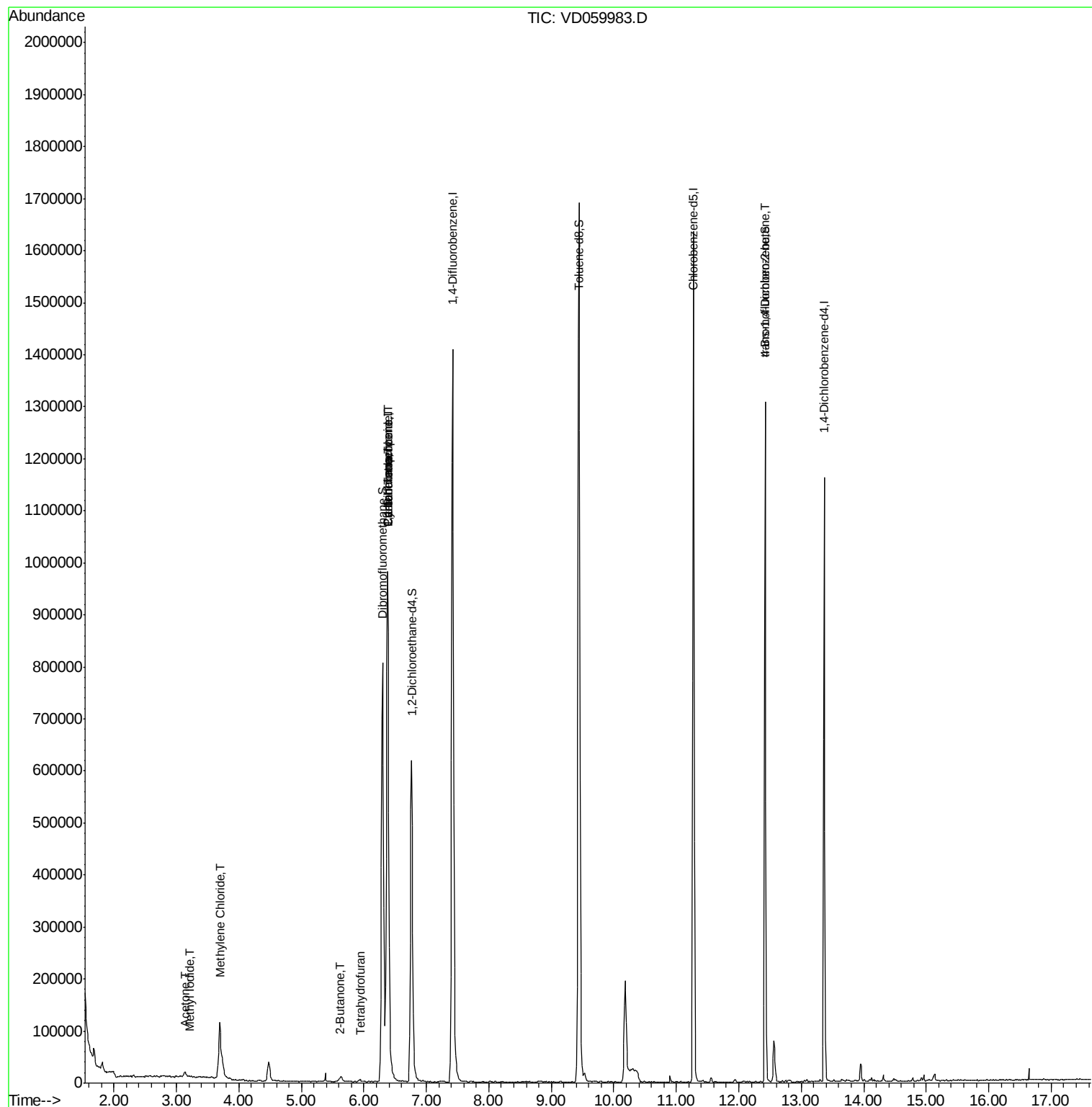
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.22	142	986	3.67	ug/l #	31
16) Acetone	3.13	43	26724	18.21	ug/l	98
20) Methylene Chloride	3.69	84	56160	2.17	ug/l	95
25) 2-Butanone	5.60	43	6738	1.55	ug/l	95
29) Tetrahydrofuran	5.93	42	3595	1.74	ug/l #	51
31) Cyclohexane	6.38	56	17605	1.15	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	65931	5.08	ug/l #	46
38) Carbon Tetrachloride	6.38	117	74487	5.68	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.42	75	144905	119.57	ug/l #	12
89) n-Butylbenzene	13.64	91	1306	Below Cal		89

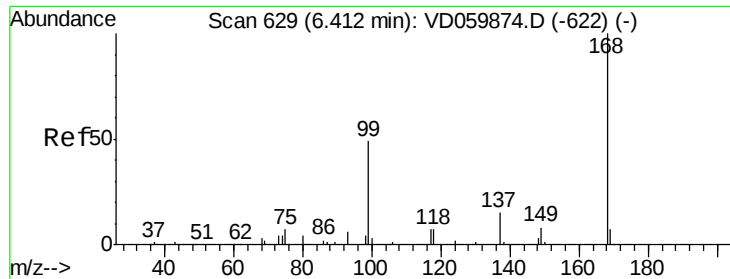
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.03 min

Lab File: VD059983.D

Acq: 6 Sep 2018 14:02

Instrument :

MSVOA_D

ClientSampleId :

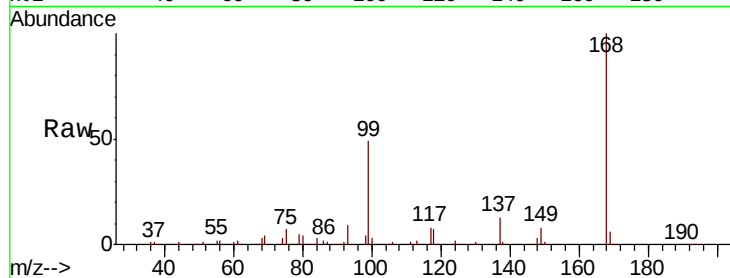
AOC10-02-CRE

Tot Ion:168 Resp: 955687

Ion Ratio Lower Upper

168 100

99 49.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.38

400000

300000

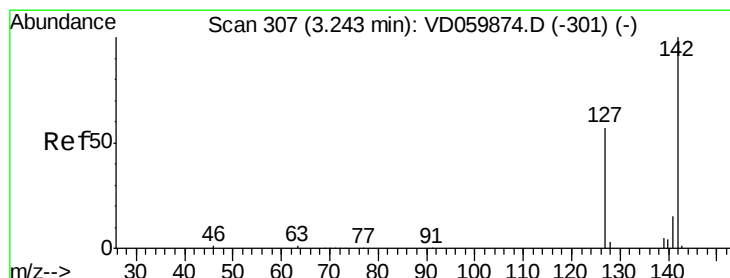
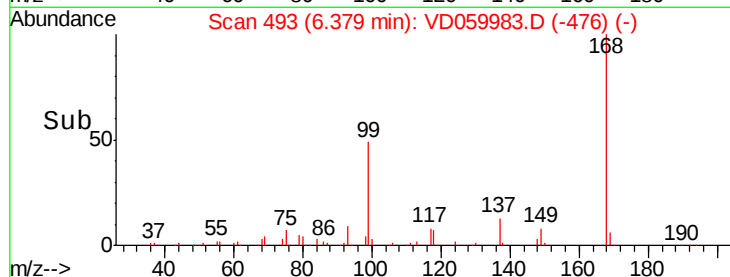
200000

100000

0

Time-->

6.20 6.30 6.40 6.50 6.60



#10

Methyl Iodide

Concen: 3.67 ug/l

RT: 3.22 min Scan# 172

Delta R.T. -0.02 min

Lab File: VD059983.D

Acq: 6 Sep 2018 14:02

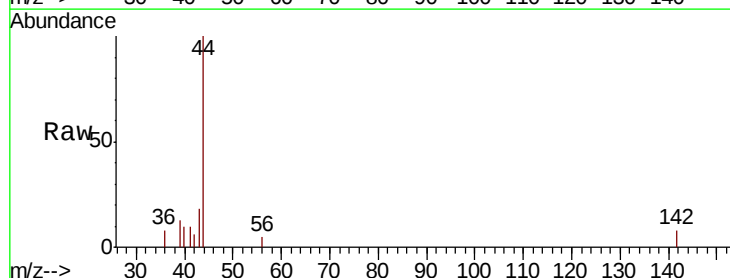
Tgt Ion:142 Resp: 986

Ion Ratio Lower Upper

142 100

127 0.0 45.8 68.6#

141 0.0 11.6 17.4#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

800

600

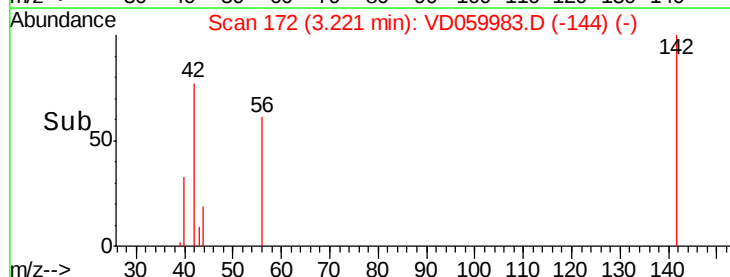
400

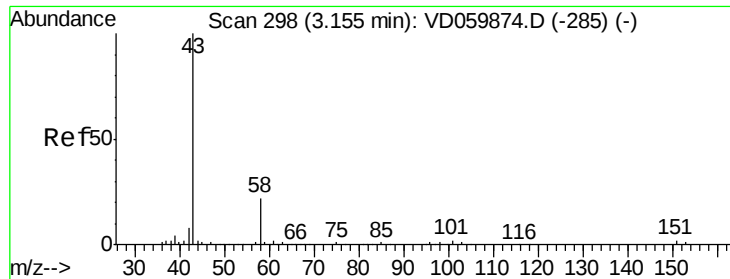
200

0

Time-->

3.20 3.25





#16

Acetone

Concen: 18.21 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD059983.D

Acq: 6 Sep 2018 14:02

Instrument :

MSVOA_D

ClientSampleId :

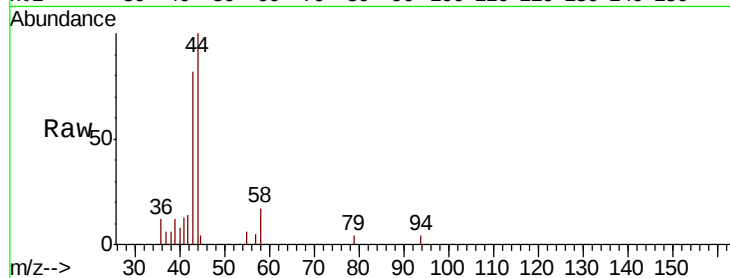
AOC10-02-CRE

Tot Ion: 43 Resp: 26724

Ion Ratio Lower Upper

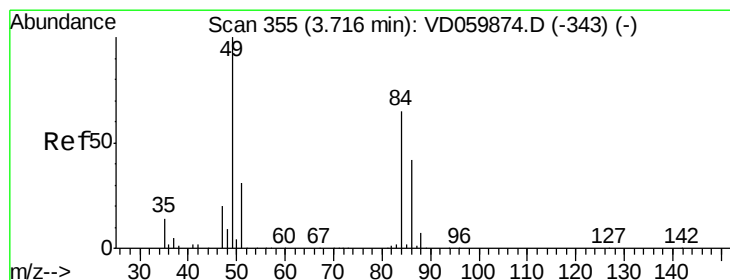
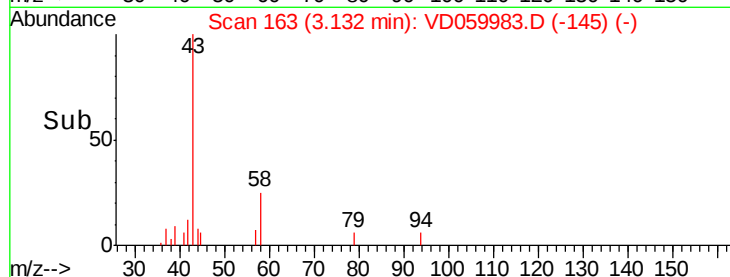
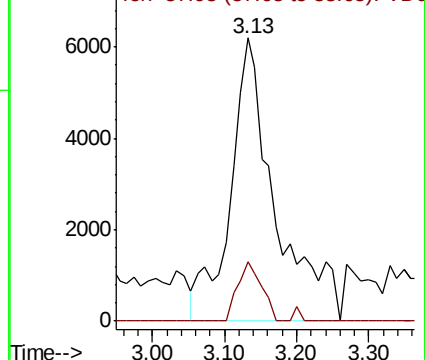
43 100

58 21.0 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.17 ug/l

RT: 3.69 min Scan# 220

Delta R.T. -0.02 min

Lab File: VD059983.D

Acq: 6 Sep 2018 14:02

Tgt Ion: 84 Resp: 56160

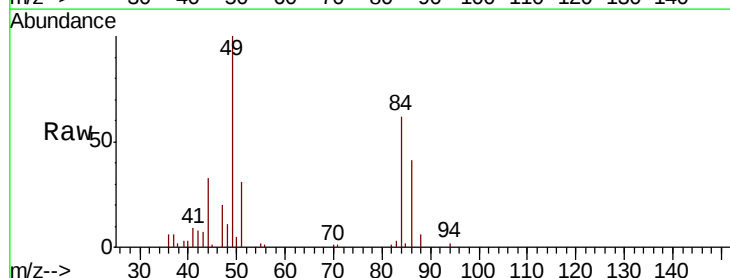
Ion Ratio Lower Upper

84 100

49 161.3 122.6 183.8

51 50.6 38.4 57.6

86 65.8 51.5 77.3

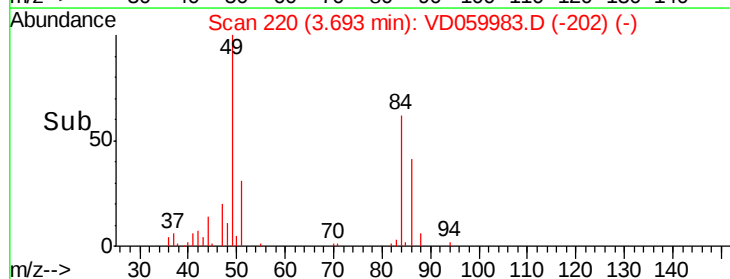
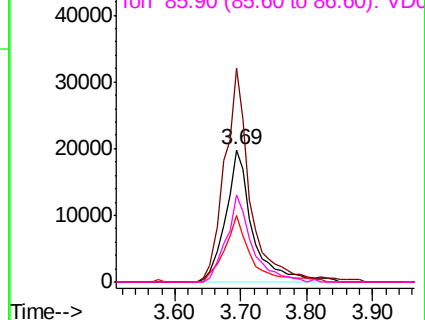


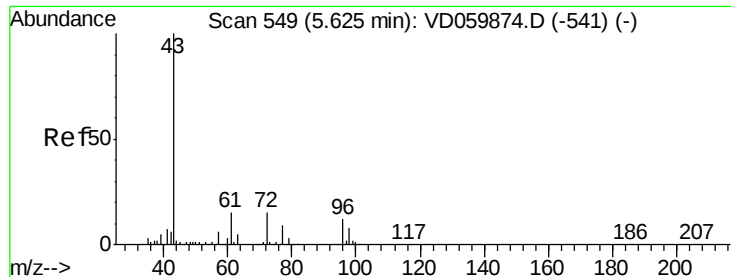
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.55 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.02 min

Lab File: VD059983.D

Acq: 6 Sep 2018 14:02

Instrument :

MSVOA_D

ClientSampleId :

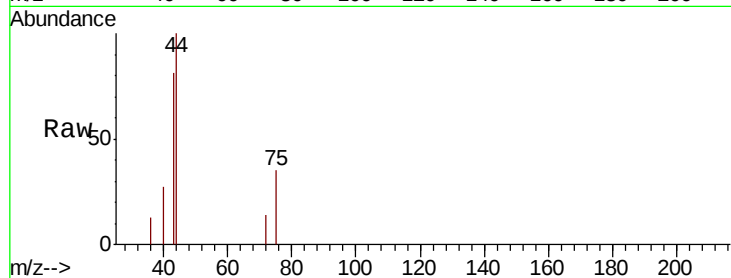
AOC10-02-CRE

Tot Ion: 43 Resp: 6738

Ion Ratio Lower Upper

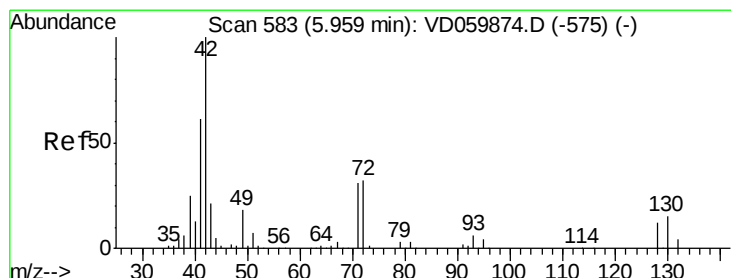
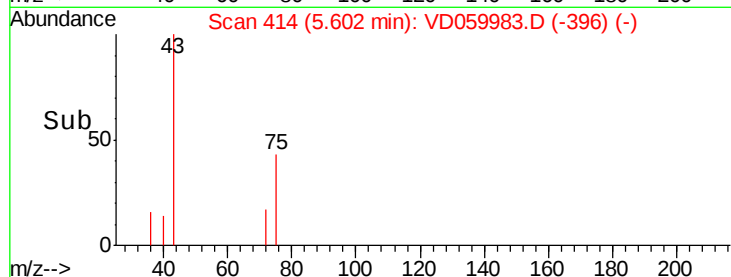
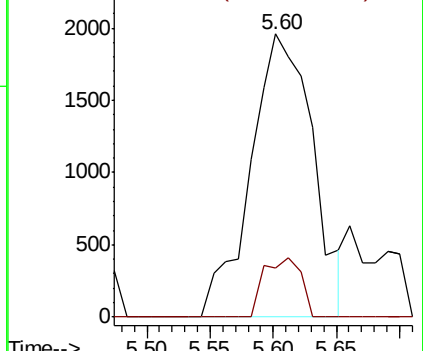
43 100

72 17.4 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.74 ug/l

RT: 5.93 min Scan# 447

Delta R.T. -0.03 min

Lab File: VD059983.D

Acq: 6 Sep 2018 14:02

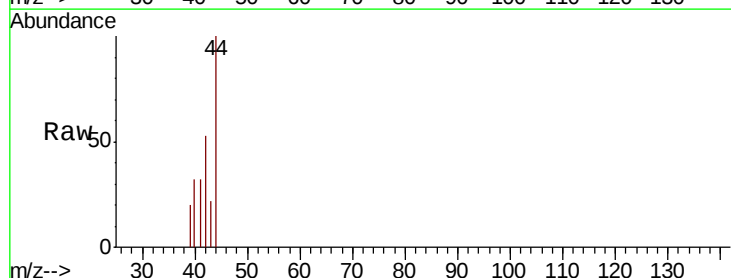
Tgt Ion: 42 Resp: 3595

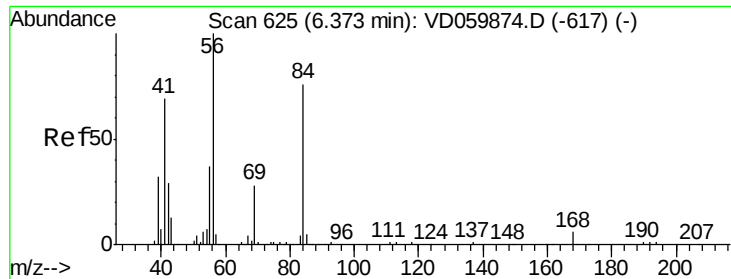
Ion Ratio Lower Upper

42 100

72 8.9 25.7 38.5#

71 0.0 25.3 37.9#

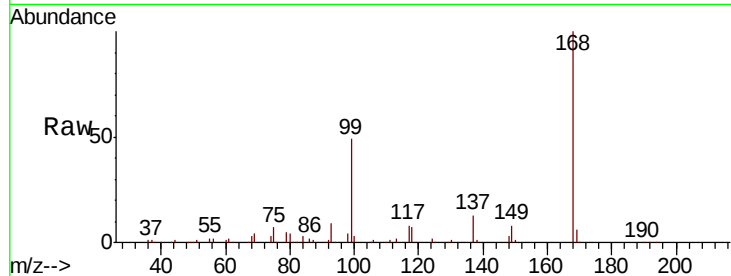




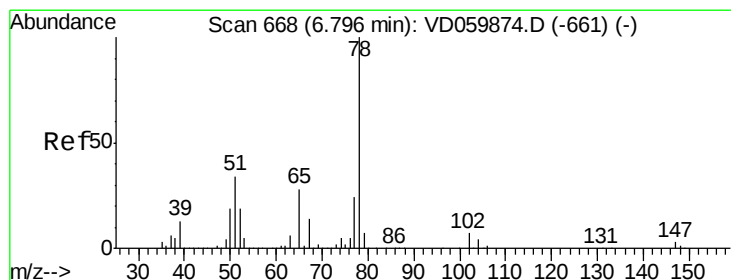
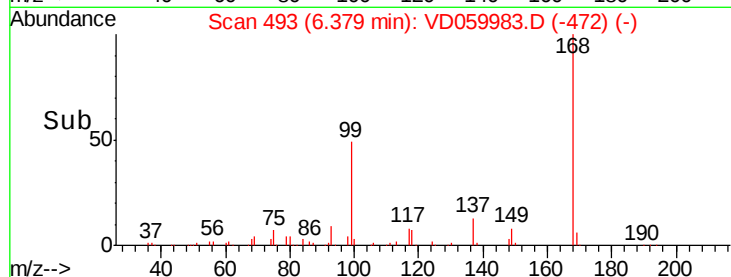
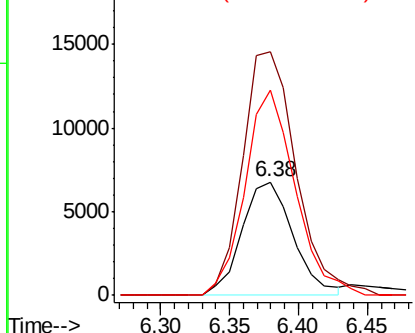
#31
Cvclohexane
Concen: 1.15 ug/l
RT: 6.38 min Scan# 493
Delta R.T. 0.01 min
Lab File: VD059983.D
Acq: 6 Sep 2018 14:02

Instrument :
MSVOA_D
ClientSampleId :
AOC10-02-CRE

Tot Ion: 56 Resp: 17605
Ion Ratio Lower Upper
56 100
69 214.4 22.4 33.6#
84 180.8 62.1 93.1#

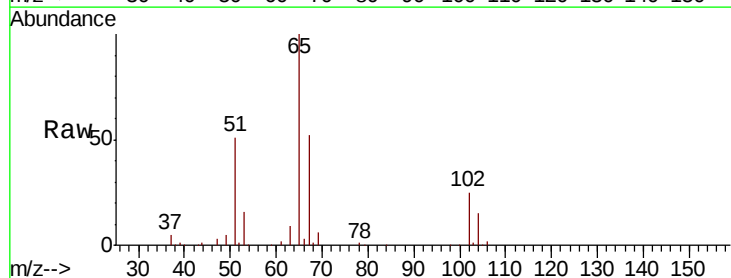


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

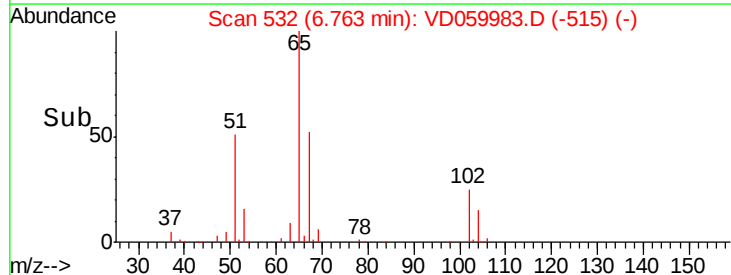
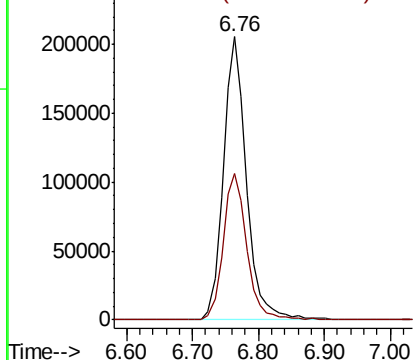


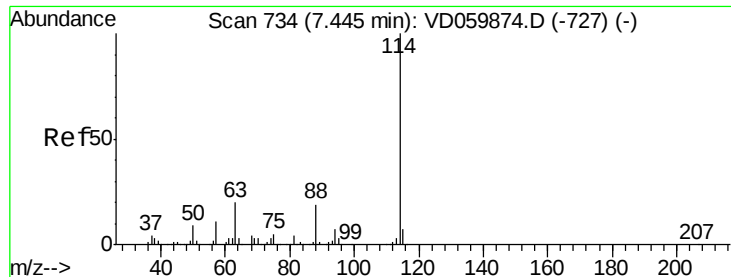
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.03 min
Lab File: VD059983.D
Acq: 6 Sep 2018 14:02

Tgt Ion: 65 Resp: 501724
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD059983.D

Acq: 6 Sep 2018 14:02

Instrument :

MSVOA_D

ClientSampleId :

AOC10-02-CRE

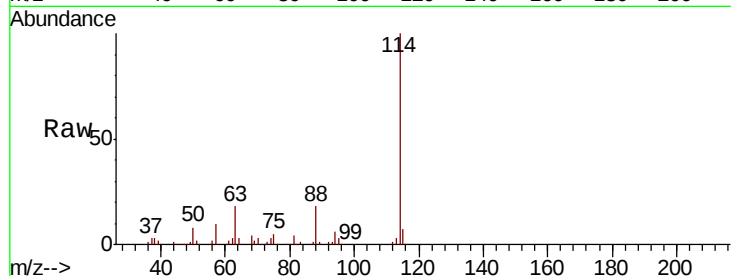
Tot Ion:114 Resp: 1433079

Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.4

88 18.1 0.0 37.6



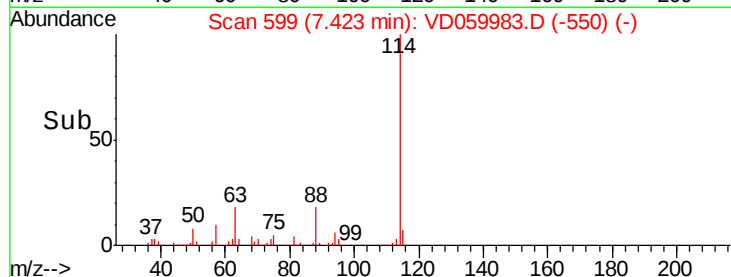
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

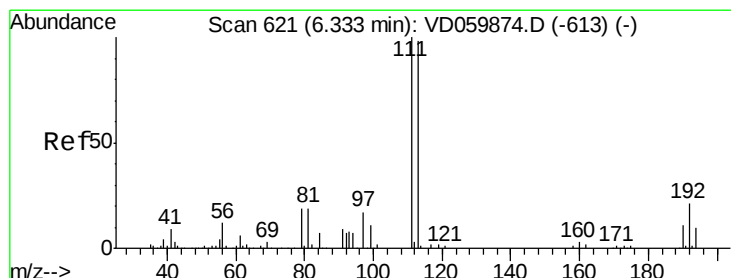
Ion 87.90 (87.60 to 88.60): V

7.42

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.03 min

Lab File: VD059983.D

Acq: 6 Sep 2018 14:02

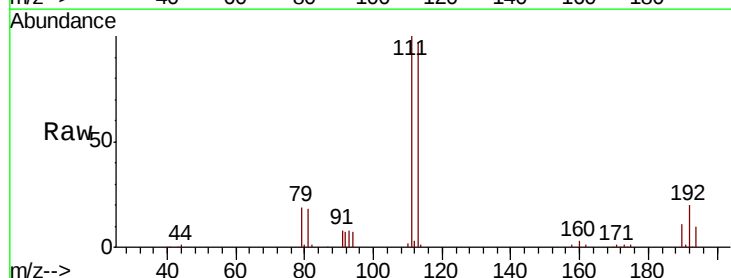
Tgt Ion:113 Resp: 612293

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.2

192 20.4 17.0 25.6



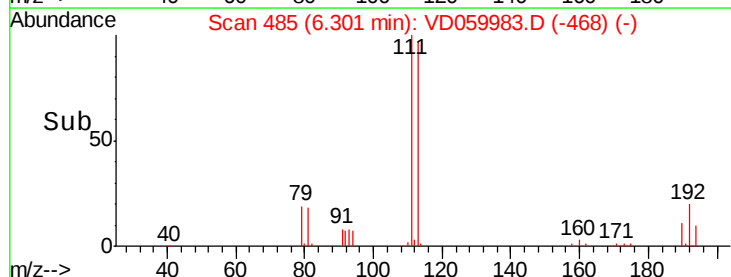
Abundance Ion 112.90 (112.60 to 113.60): V

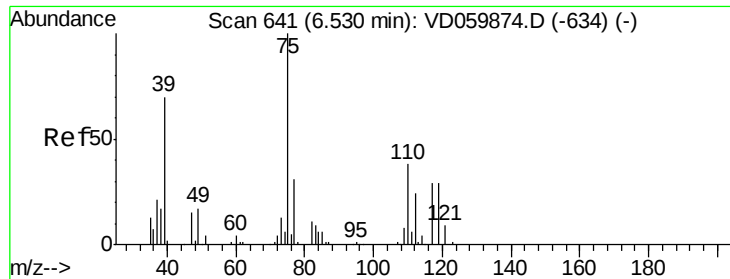
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

6.30

Time-->





#36

1,1-Dichloropropene

Concen: 5.08 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.15 min

Lab File: VD059983.D

Acq: 6 Sep 2018 14:02

Instrument :

MSVOA_D

ClientSampleId :

AOC10-02-CRE

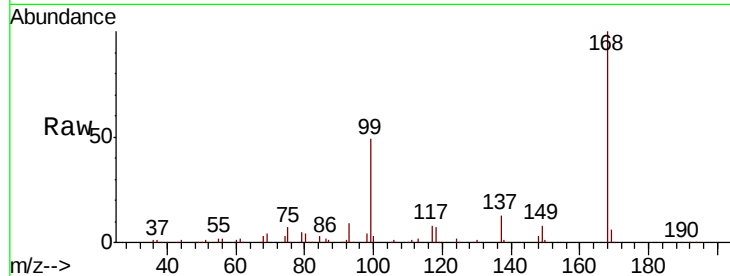
Tot Ion: 75 Resp: 65931

Ion Ratio Lower Upper

75 100

110 6.8 18.6 56.0#

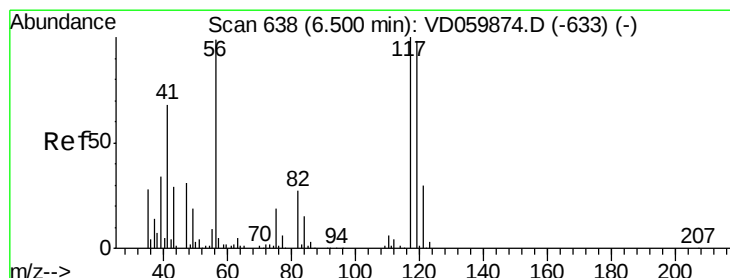
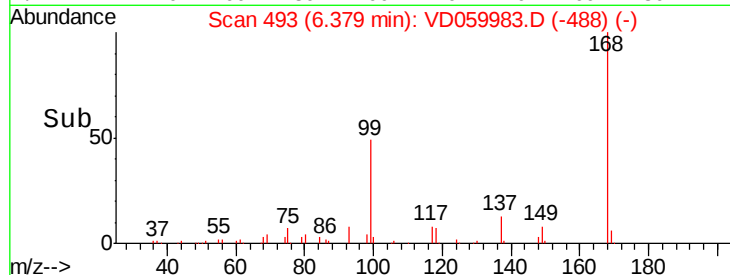
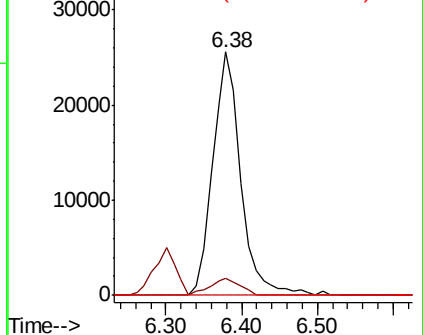
77 0.0 25.1 37.7#



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: 5.68 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.12 min

Lab File: VD059983.D

Acq: 6 Sep 2018 14:02

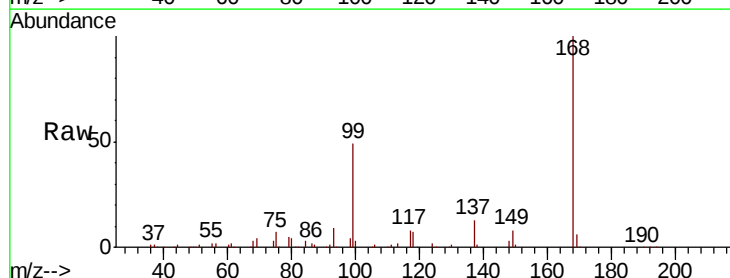
Tgt Ion: 117 Resp: 74487

Ion Ratio Lower Upper

117 100

119 4.8 77.2 115.8#

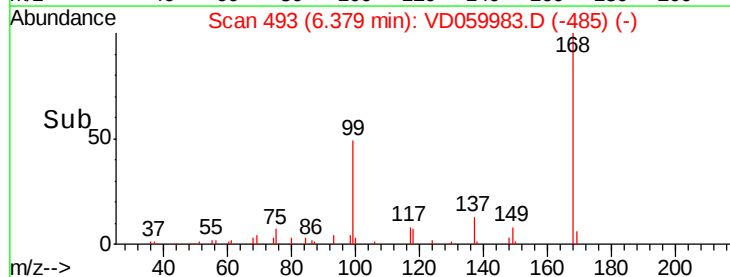
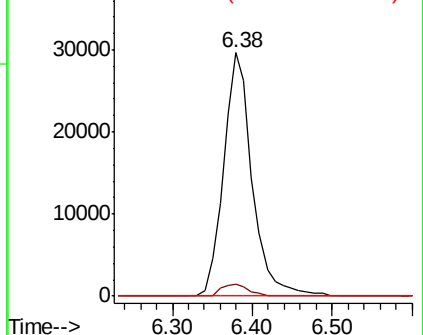
121 0.0 24.0 36.0#

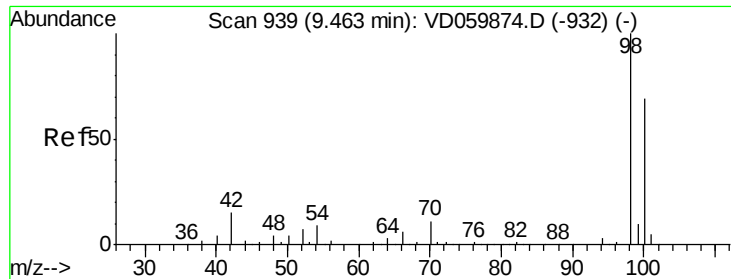


Abundance Ion 116.85 (116.55 to 117.55): V

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: 9.44 min Scan# 804

Delta R.T. -0.02 min

Lab File: VD059983.D

Acq: 6 Sep 2018 14:02

Instrument :

MSVOA_D

ClientSampleId :

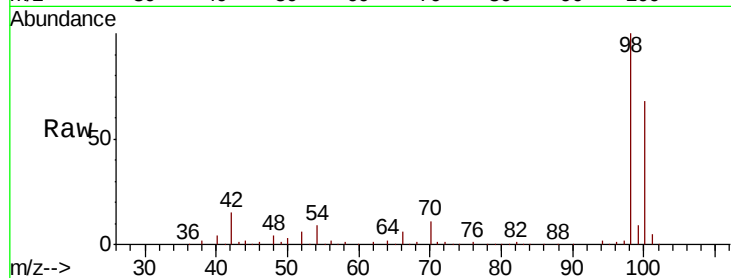
AOC10-02-CRE

Tot Ion: 98 Resp: 1348040

Ion Ratio Lower Upper

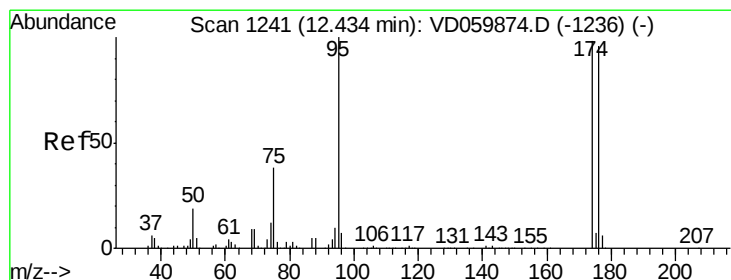
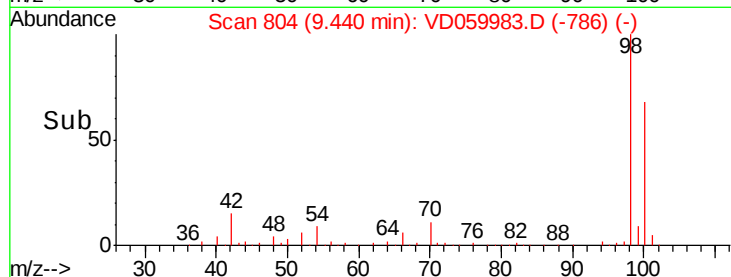
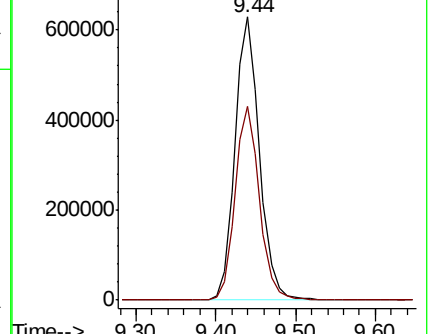
98 100

100 68.4 55.8 83.6



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: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD059983.D

Acq: 6 Sep 2018 14:02

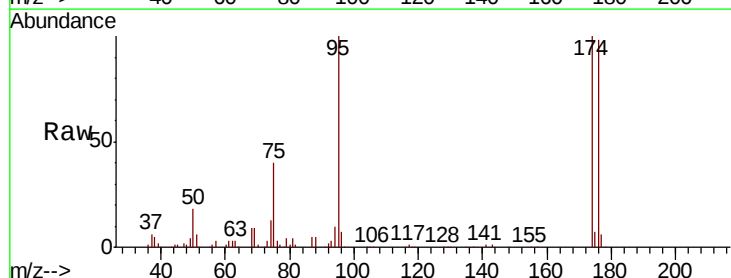
Tgt Ion: 95 Resp: 355823

Ion Ratio Lower Upper

95 100

174 99.8 0.0 195.6

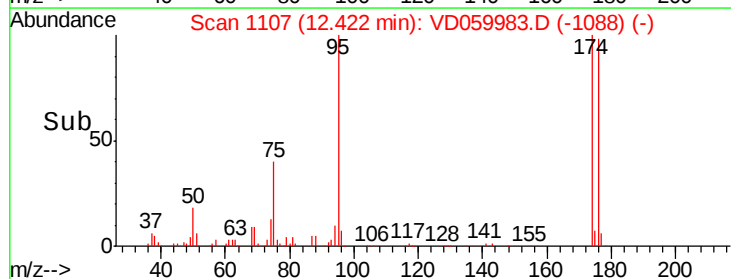
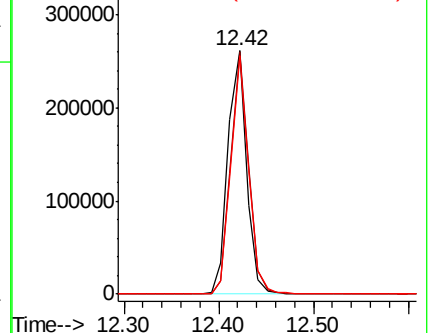
176 98.2 0.0 191.2

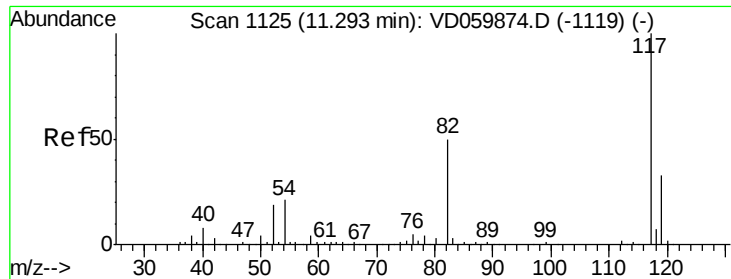


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

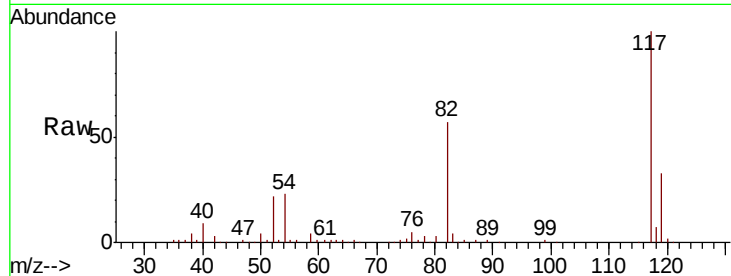




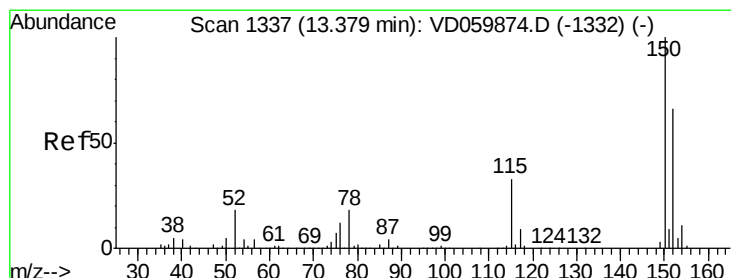
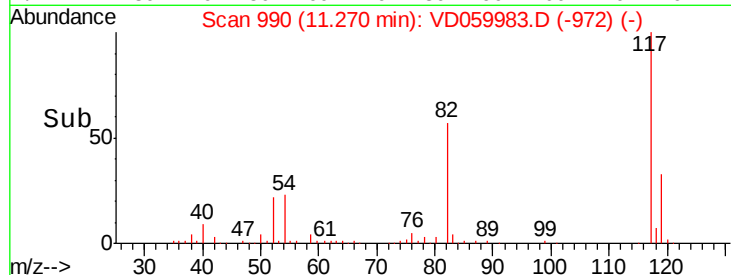
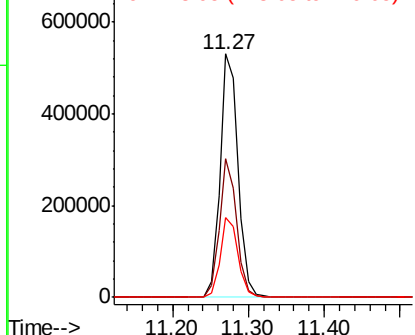
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.02 min
Lab File: VD059983.D
Acq: 6 Sep 2018 14:02

Instrument :
MSVOA_D
ClientSampleId :
AOC10-02-CRE

Tot Ion:117 Resp: 881018
Ion Ratio Lower Upper
117 100
82 57.0 40.1 60.1
119 32.6 26.7 40.1

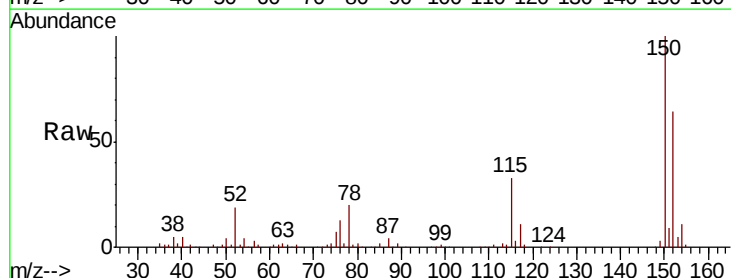


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

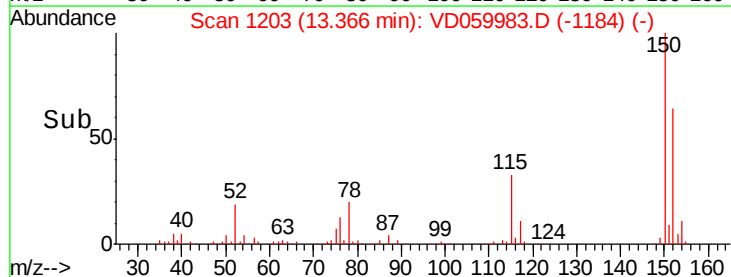
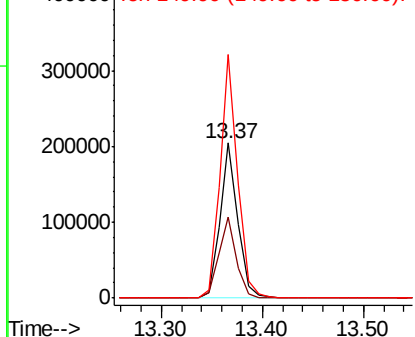


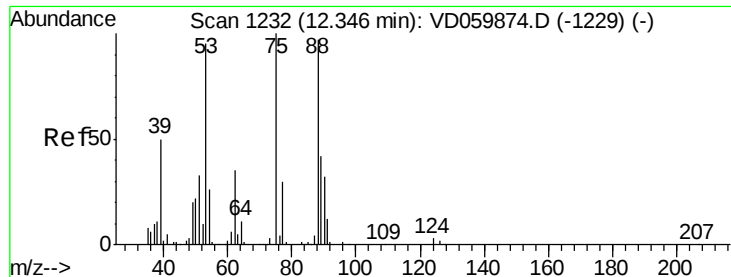
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD059983.D
Acq: 6 Sep 2018 14:02

Tgt Ion:152 Resp: 250657
Ion Ratio Lower Upper
152 100
115 52.1 25.7 77.0
150 157.4 0.0 310.2



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: 119.57 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.08 min

Lab File: VD059983.D

Acq: 6 Sep 2018 14:02

Instrument :

MSVOA_D

ClientSampleId :

AOC10-02-CRE

Tot Ion: 75 Resp: 144905

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#

