

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\
 Data File : VD060154.D
 Acq On : 9 Oct 2018 16:41
 Operator : VA/AP
 Sample : J5201-01
 Misc : 6.93g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-100818-A

Quant Time: Oct 10 01:15:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1348649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.41	114	1827385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1408197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	609137	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	643742	62.97	ug/l	0.00
Spiked Amount			Recovery	=	125.94%	
35) Dibromofluoromethane	6.29	113	852477	61.43	ug/l	0.00
Spiked Amount			Recovery	=	122.86%	
50) Toluene-d8	9.43	98	2194878	55.47	ug/l	0.00
Spiked Amount			Recovery	=	110.94%	
62) 4-Bromofluorobenzene	12.41	95	763398	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	

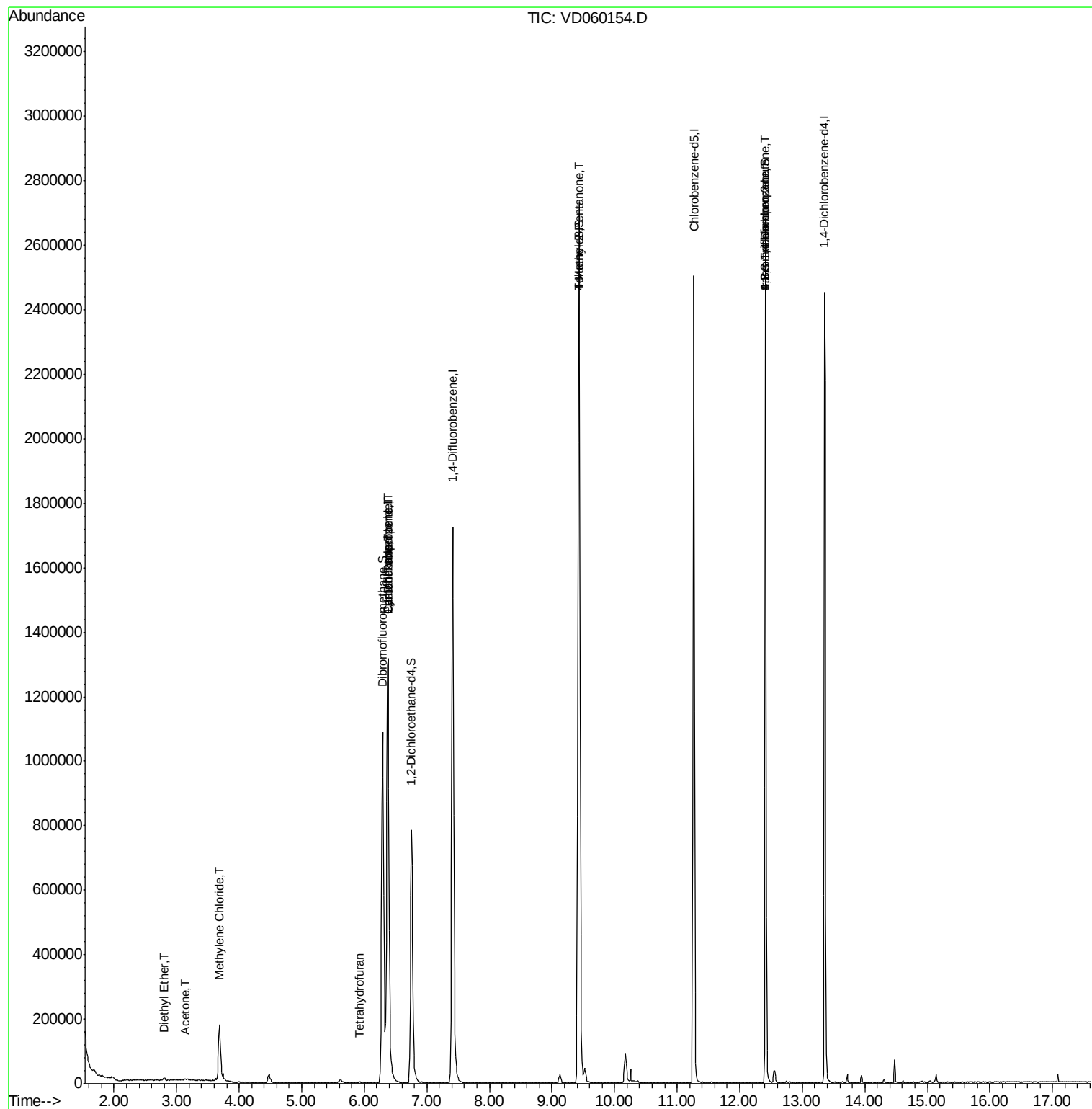
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.81	74	2448	1.062	ug/l	74
16) Acetone	3.13	43	5759	3.105	ug/l	99
20) Methylene Chloride	3.68	84	104289	3.109	ug/l	98
29) Tetrahydrofuran	5.94	42	2751	1.022	ug/l #	82
31) Cyclohexane	6.38	56	23916	1.080	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	90180	5.164	ug/l #	45
38) Carbon Tetrachloride	6.38	117	101753	6.420	ug/l #	15
51) 4-Methyl-2-Pentanone	9.43	43	11846	1.232	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	237467	27.070	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.41	75	300109	121.753	ug/l #	13

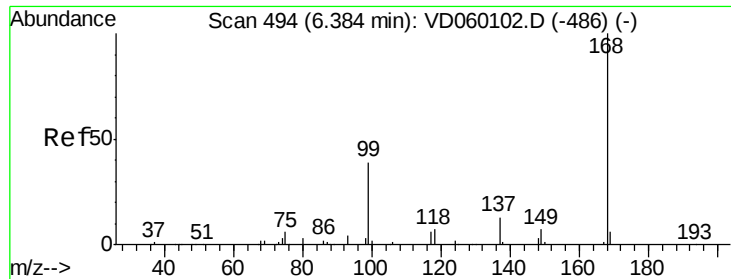
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100918\
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Quant Time: Oct 10 01:15:42 2018
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060154.D

Acq: 9 Oct 2018 16:41

Instrument :

MSVOA_D

ClientSampleId :

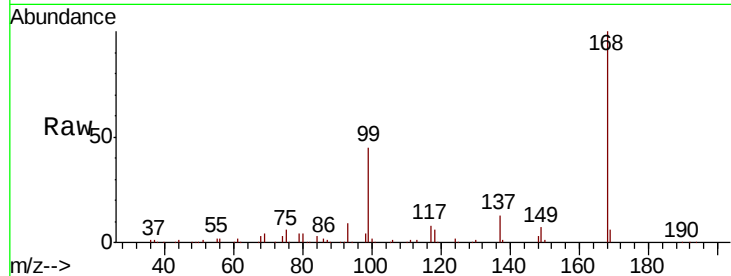
EO-02-100818-A

Tot Ion:168 Resp: 1348649

Ion Ratio Lower Upper

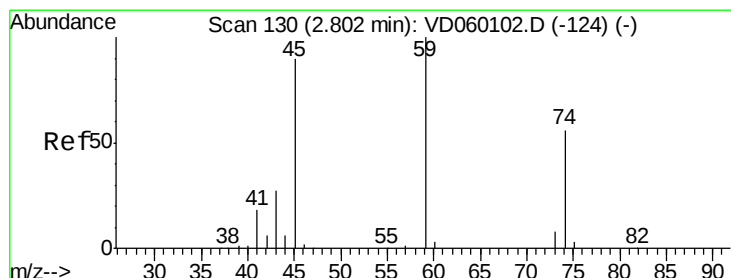
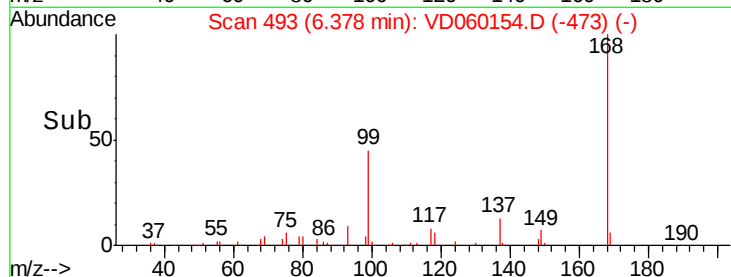
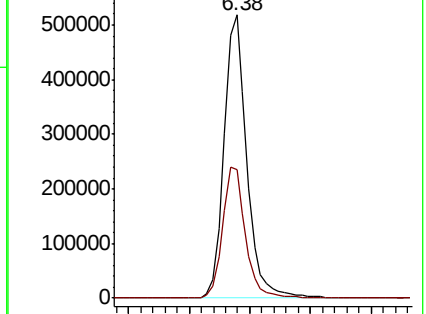
168 100

99 45.3 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.062 ug/l

RT: 2.81 min Scan# 130

Delta R.T. 0.00 min

Lab File: VD060154.D

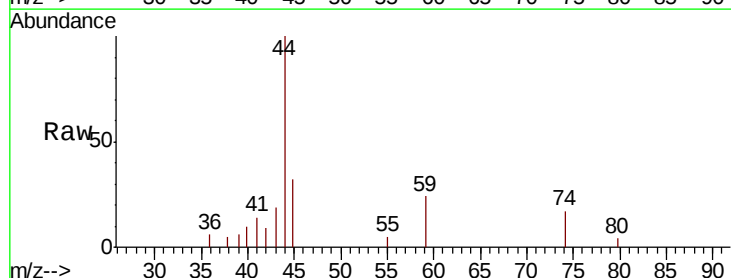
Acq: 9 Oct 2018 16:41

Tgt Ion: 74 Resp: 2448

Ion Ratio Lower Upper

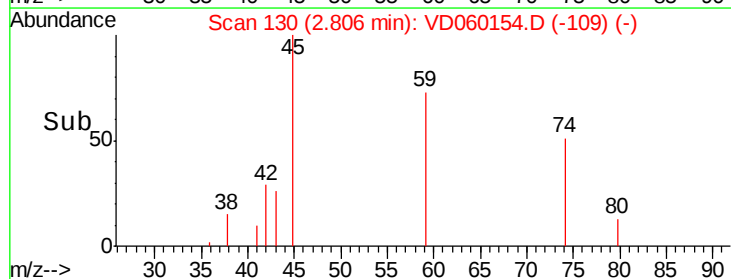
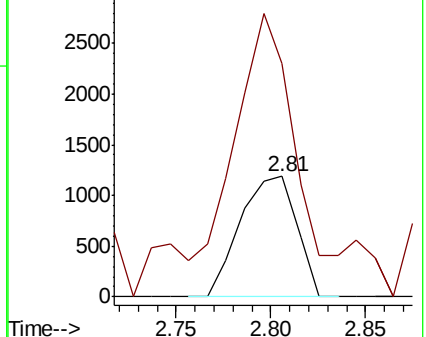
74 100

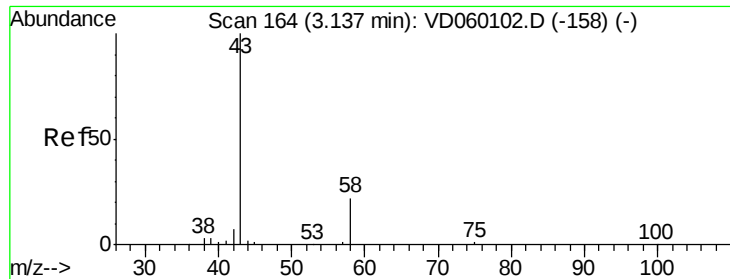
45 194.5 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 3.105 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060154.D

Acq: 9 Oct 2018 16:41

Instrument :

MSVOA_D

ClientSampleId :

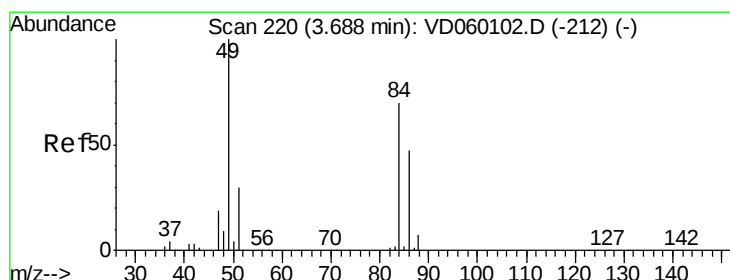
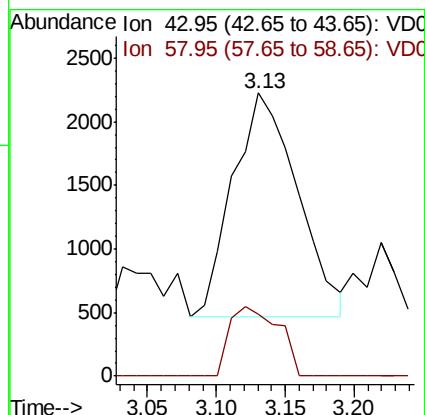
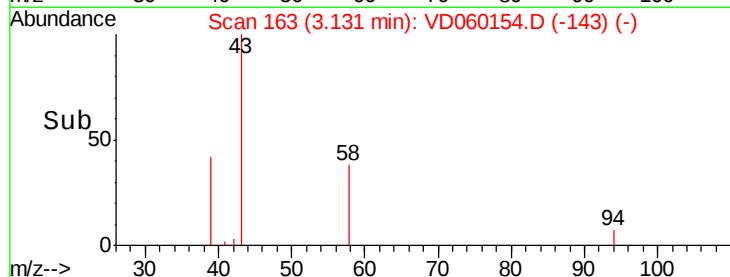
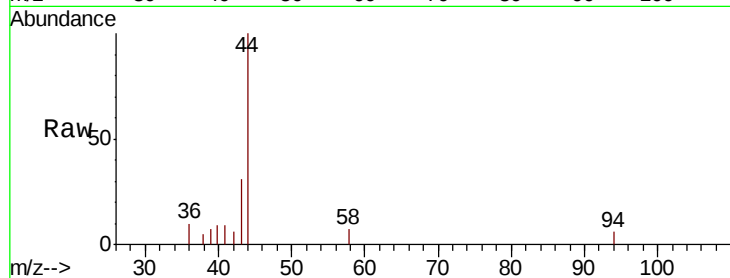
EO-02-100818-A

Tot Ion: 43 Resp: 5759

Ion Ratio Lower Upper

43 100

58 21.7 17.7 26.5



#20

Methylene Chloride

Concen: 3.109 ug/l

RT: 3.68 min Scan# 219

Delta R.T. -0.01 min

Lab File: VD060154.D

Acq: 9 Oct 2018 16:41

Tgt Ion: 84 Resp: 104289

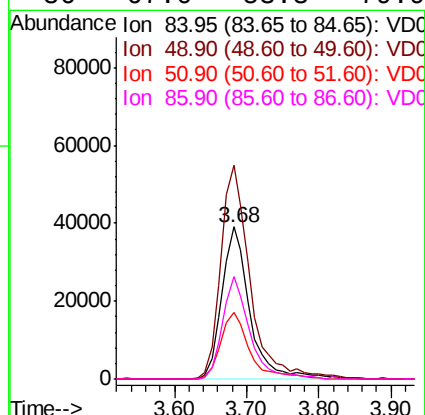
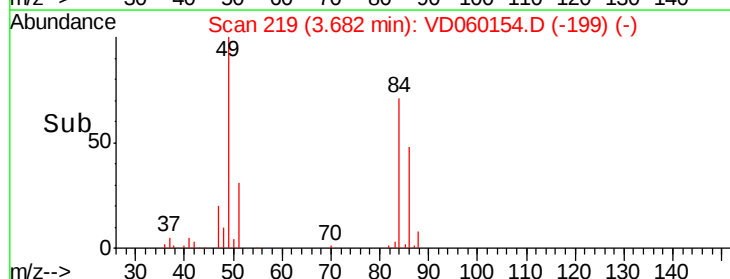
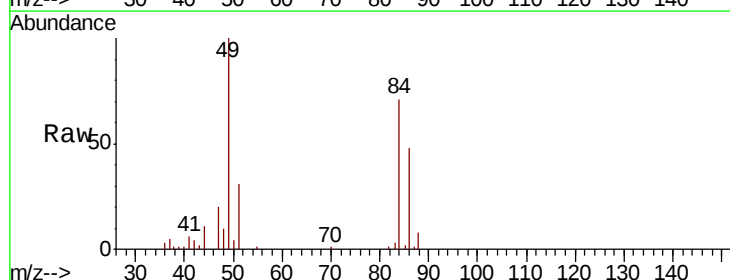
Ion Ratio Lower Upper

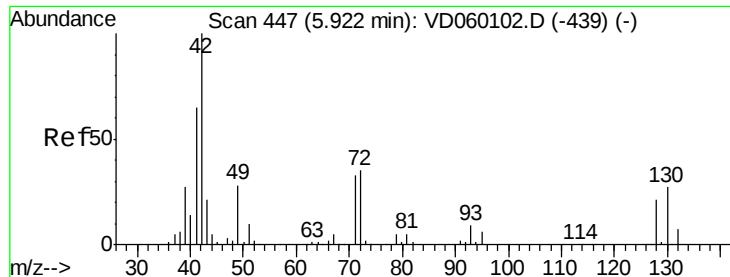
84 100

49 140.5 114.6 172.0

51 43.5 33.8 50.8

86 67.0 53.3 79.9





#29

Tetrahydrofuran

Concen: 1.022 ug/l

RT: 5.94 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060154.D

Acq: 9 Oct 2018 16:41

Instrument :

MSVOA_D

ClientSampleId :

EO-02-100818-A

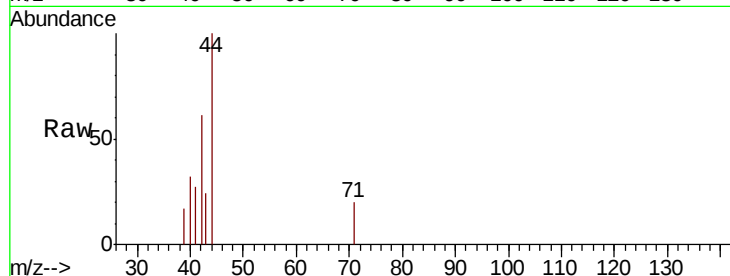
Tot Ion: 42 Resp: 2751

Ion Ratio Lower Upper

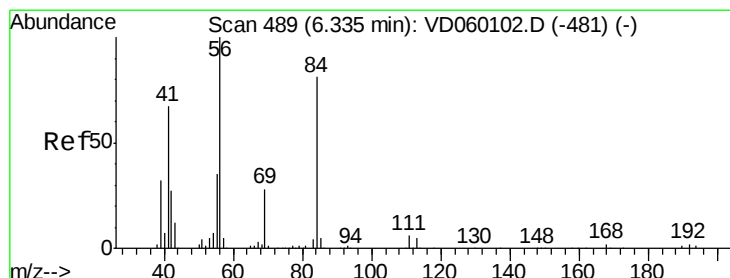
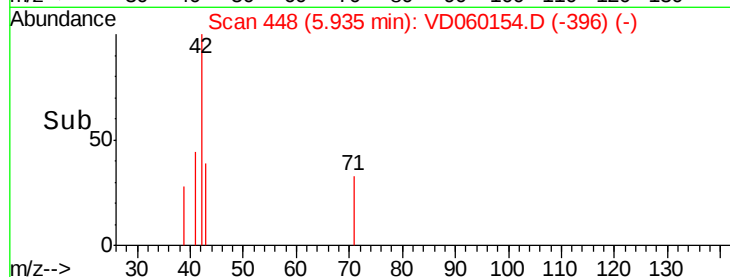
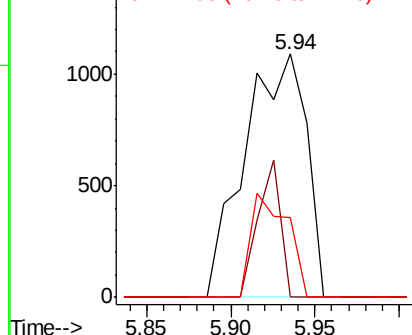
42 100

72 20.6 26.9 40.3#

71 25.4 26.7 40.1#



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: 1.080 ug/l

RT: 6.38 min Scan# 493

Delta R.T. 0.04 min

Lab File: VD060154.D

Acq: 9 Oct 2018 16:41

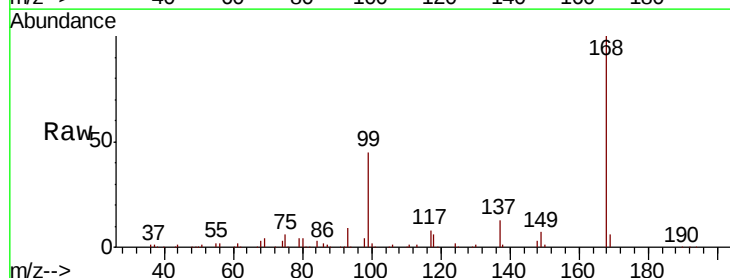
Tgt Ion: 56 Resp: 23916

Ion Ratio Lower Upper

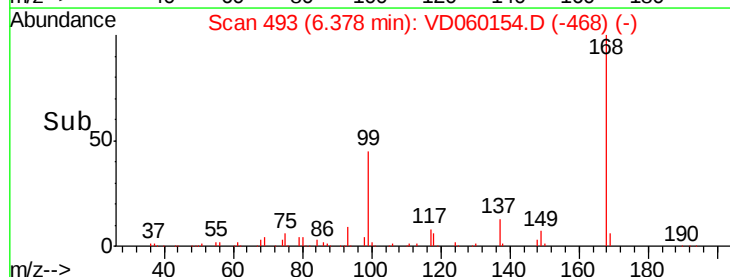
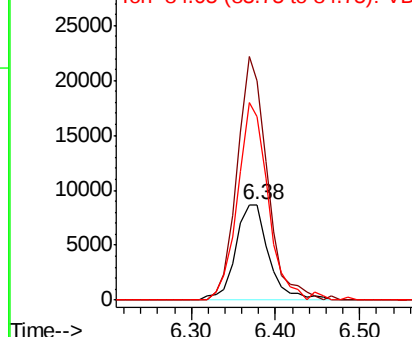
56 100

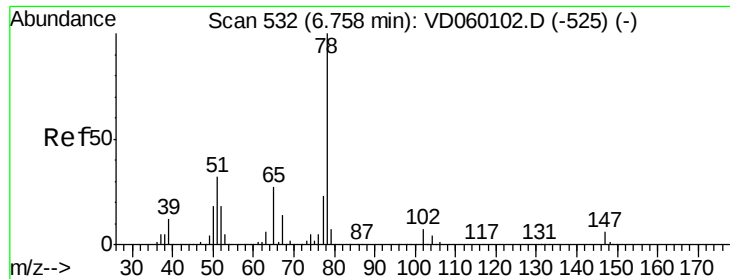
69 230.5 22.8 34.2#

84 192.9 64.9 97.3#



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: 6.75 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD060154.D

Acq: 9 Oct 2018 16:41

Instrument :

MSVOA_D

ClientSampleId :

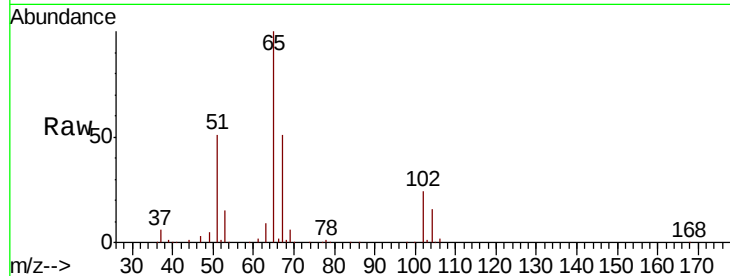
EO-02-100818-A

Tot Ion: 65 Resp: 643742

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.75

250000

200000

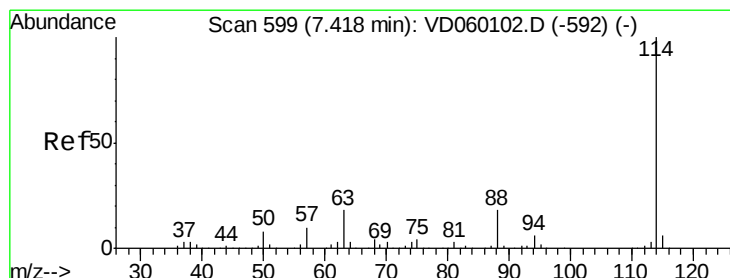
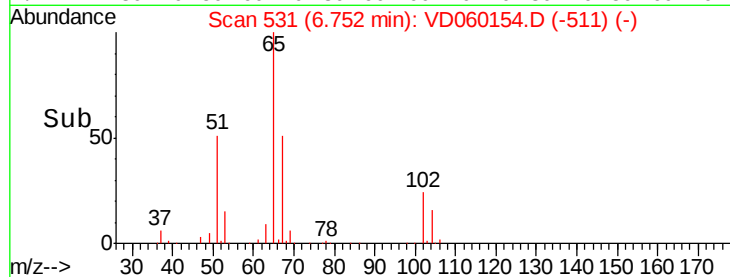
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.41 min Scan# 598

Delta R.T. -0.01 min

Lab File: VD060154.D

Acq: 9 Oct 2018 16:41

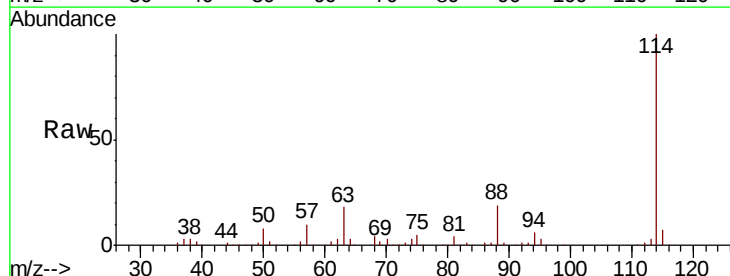
Tgt Ion: 114 Resp: 1827385

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.0

88 18.9 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.41

1000000

800000

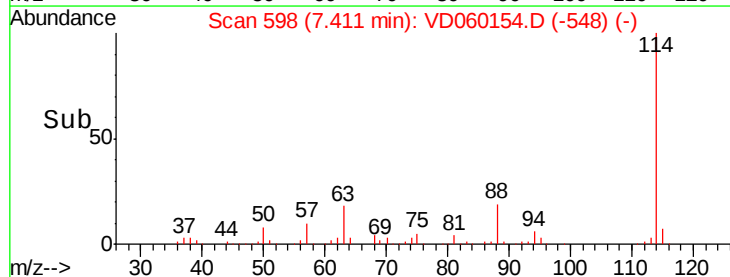
600000

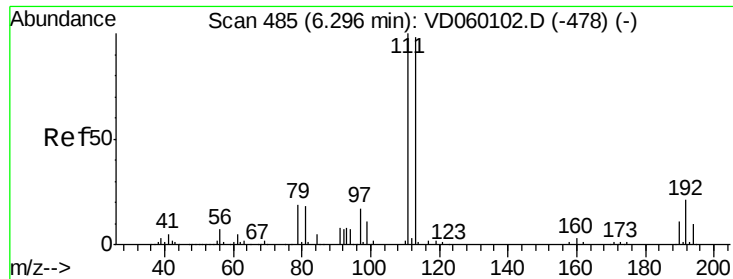
400000

200000

0

Time--> 7.20 7.40 7.60

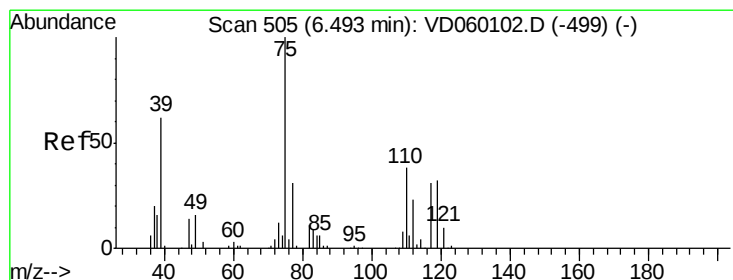
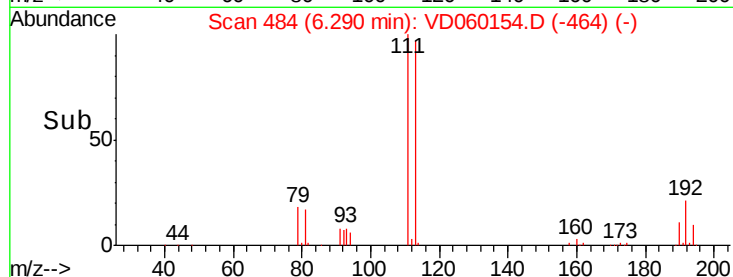
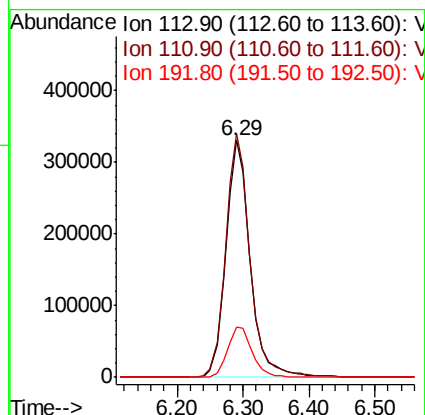
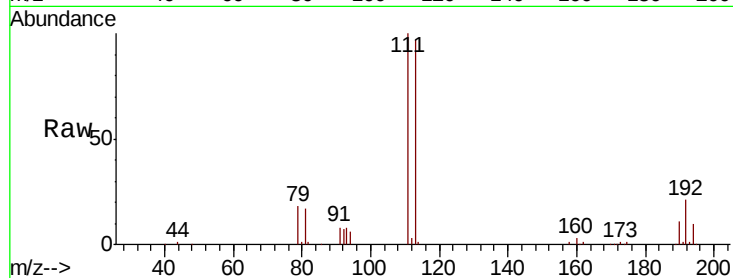




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VD060154.D
 Acq: 9 Oct 2018 16:41

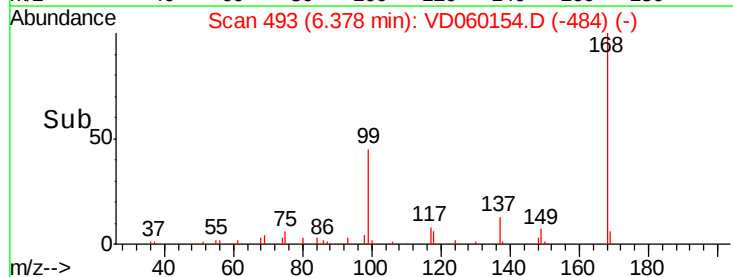
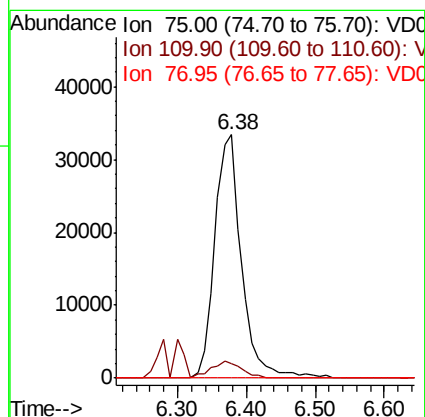
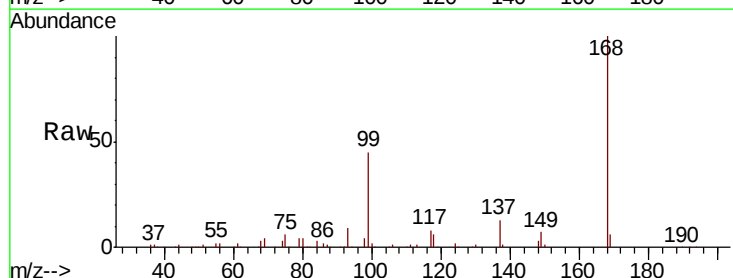
Instrument :
 MSVOA_D
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 EO-02-100818-A

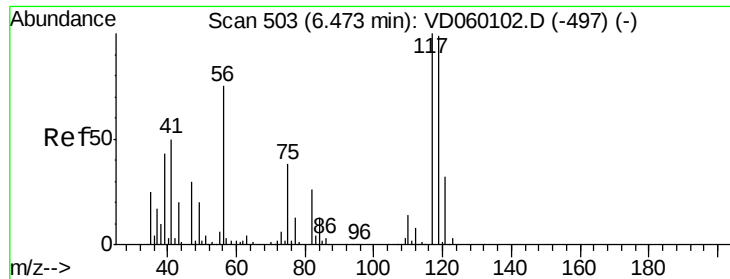
Tot Ion:113 Resp: 852477
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.5 122.3
 192 21.3 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 5.164 ug/l
 RT: 6.38 min Scan# 493
 Delta R.T. -0.11 min
 Lab File: VD060154.D
 Acq: 9 Oct 2018 16:41

Tgt Ion: 75 Resp: 90180
 Ion Ratio Lower Upper
 75 100
 110 5.8 19.0 57.0#
 77 0.0 24.9 37.3#

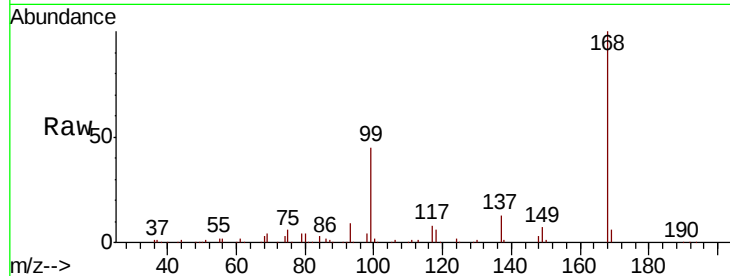




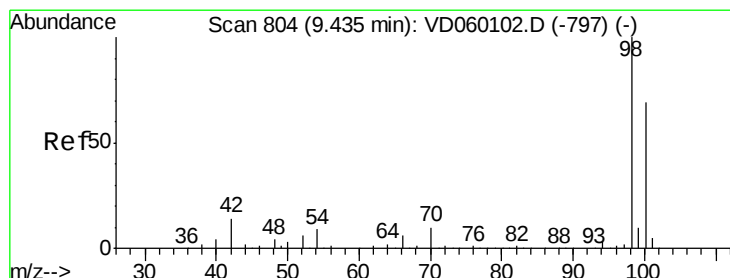
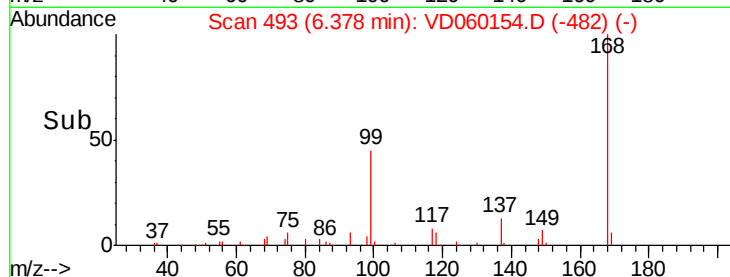
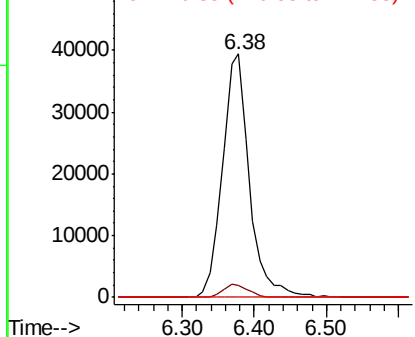
#38
Carbon Tetrachloride
Concen: 6.420 ug/l
RT: 6.38 min Scan# 493
Delta R.T. -0.09 min
Lab File: VD060154.D
Acq: 9 Oct 2018 16:41

Instrument :
MSVOA_D
ClientSampleId :
EO-02-100818-A

Tot Ion:117 Resp: 101753
Ion Ratio Lower Upper
117 100
119 5.1 77.8 116.6#
121 0.0 24.8 37.2#

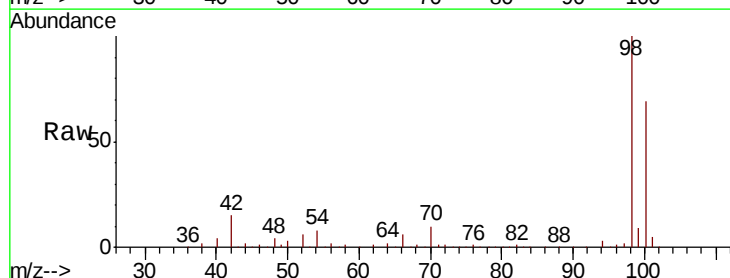


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

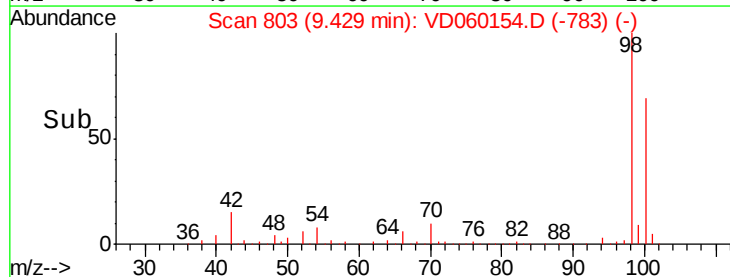
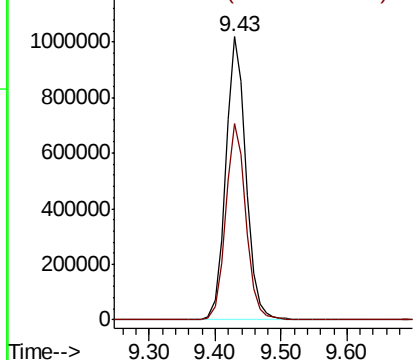


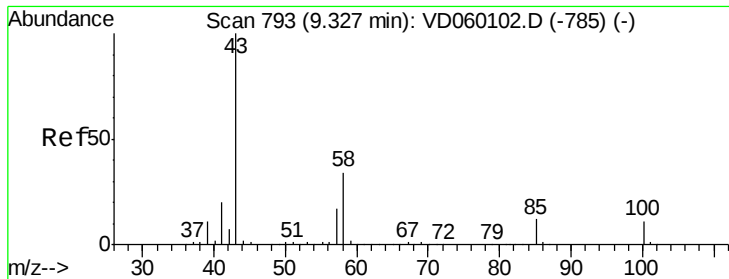
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 803
Delta R.T. -0.01 min
Lab File: VD060154.D
Acq: 9 Oct 2018 16:41

Tgt Ion: 98 Resp: 2194878
Ion Ratio Lower Upper
98 100
100 69.2 55.4 83.0



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: 1.232 ug/l

RT: 9.43 min Scan# 803

Delta R.T. 0.10 min

Lab File: VD060154.D

Acq: 9 Oct 2018 16:41

Instrument :

MSVOA_D

ClientSampleId :

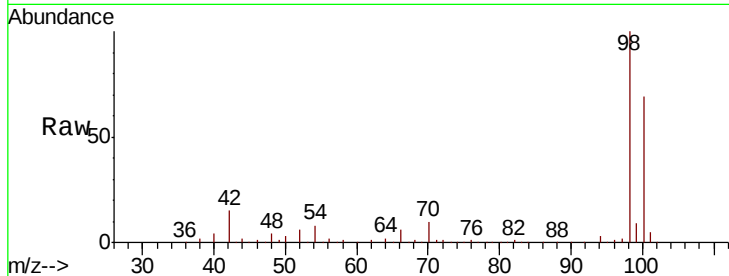
EO-02-100818-A

Tot Ion: 43 Resp: 11846

Ion Ratio Lower Upper

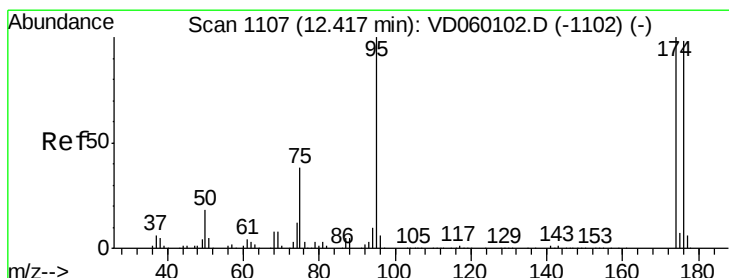
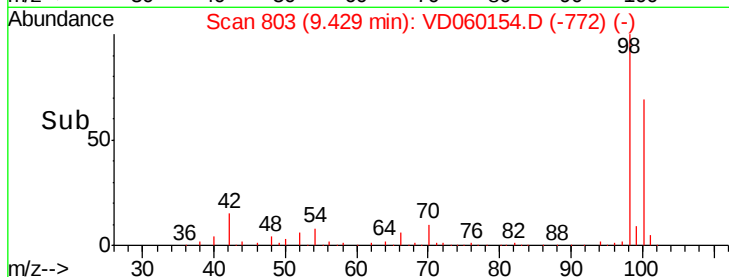
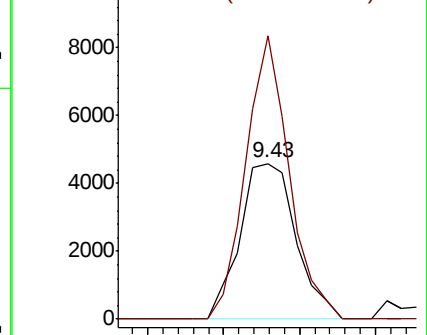
43 100

58 181.5 27.2 40.8#



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: 12.41 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD060154.D

Acq: 9 Oct 2018 16:41

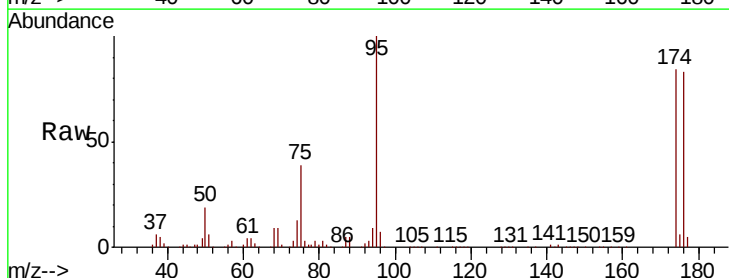
Tgt Ion: 95 Resp: 763398

Ion Ratio Lower Upper

95 100

174 84.4 0.0 200.2

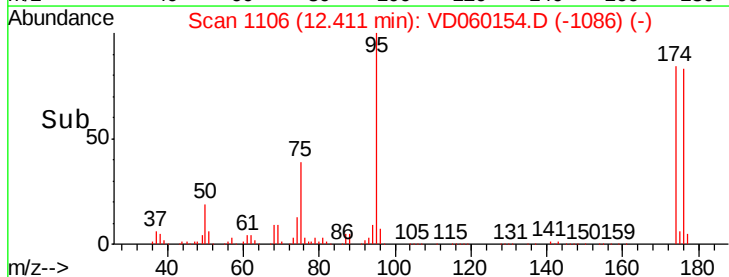
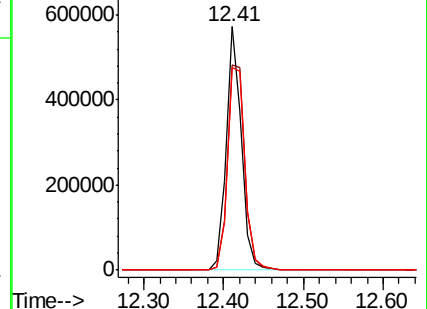
176 83.5 0.0 195.6

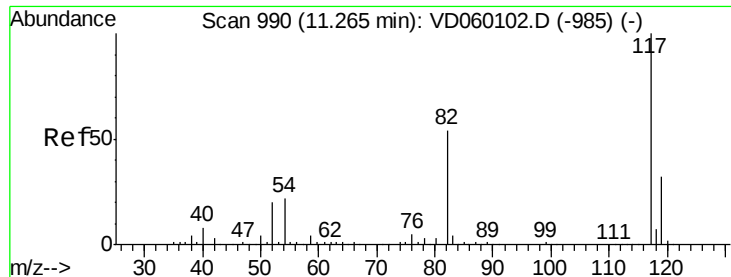


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

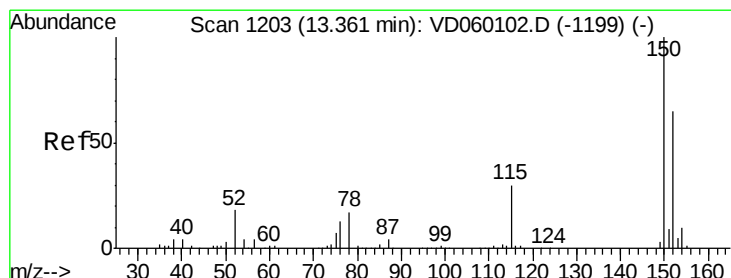
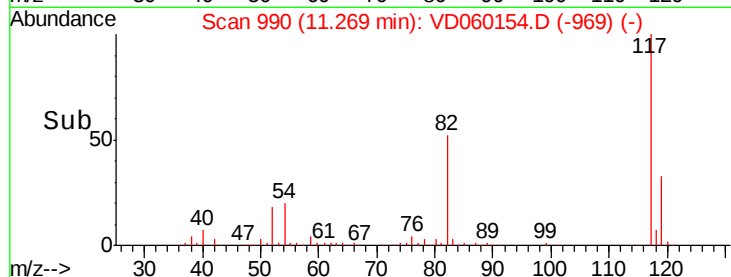
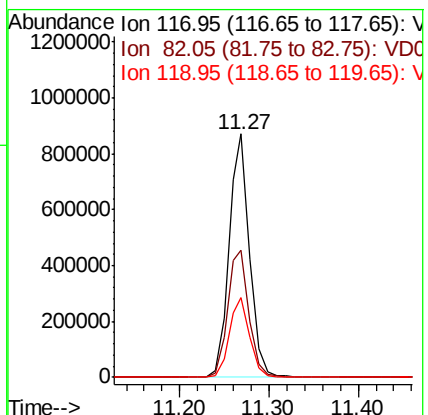
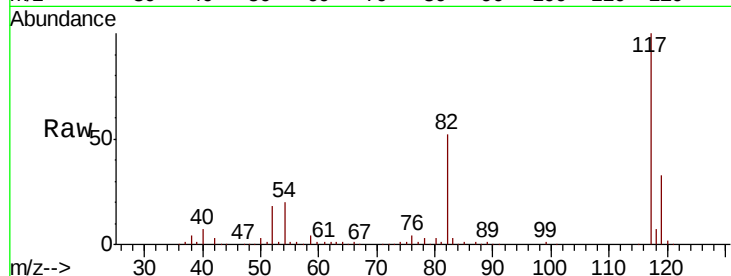




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD060154.D
Acq: 9 Oct 2018 16:41

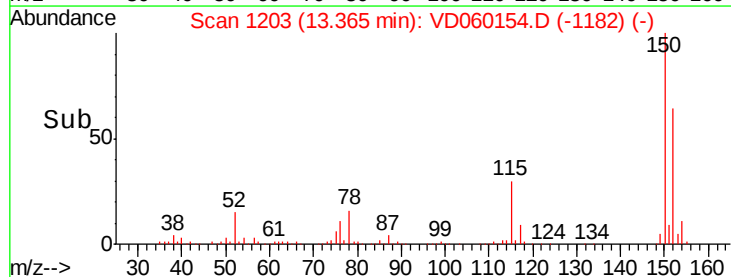
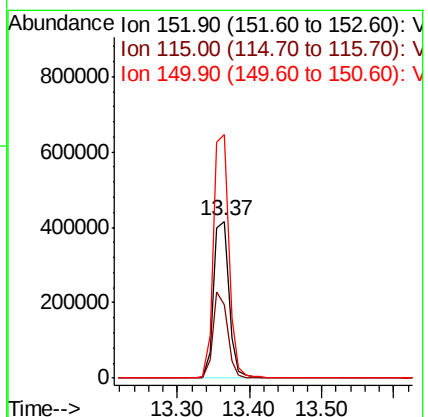
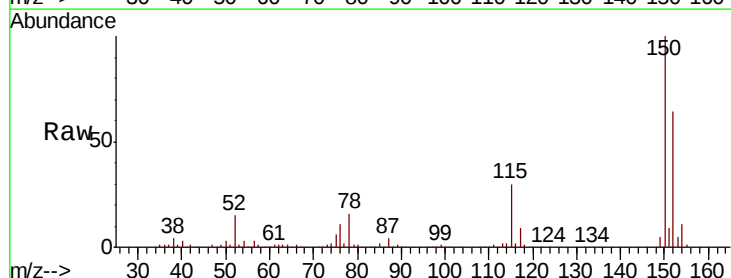
Instrument :
MSVOA_D
ClientSampleId :
EO-02-100818-A

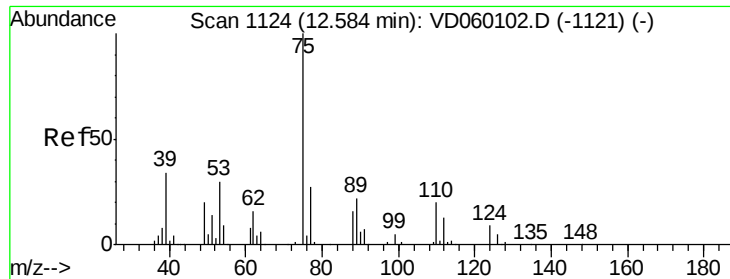
Tot Ion:117 Resp: 1408197
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.2
119 32.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060154.D
Acq: 9 Oct 2018 16:41

Tgt Ion:152 Resp: 609137
Ion Ratio Lower Upper
152 100
115 46.6 27.1 81.2
150 155.0 0.0 311.8

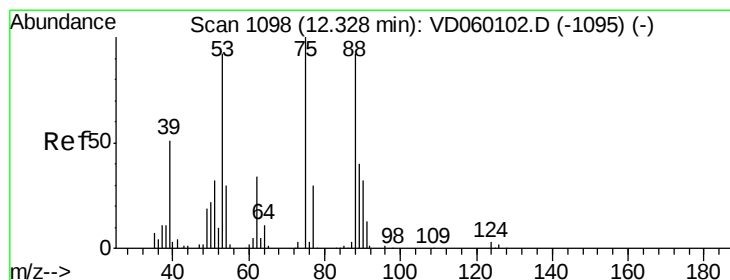
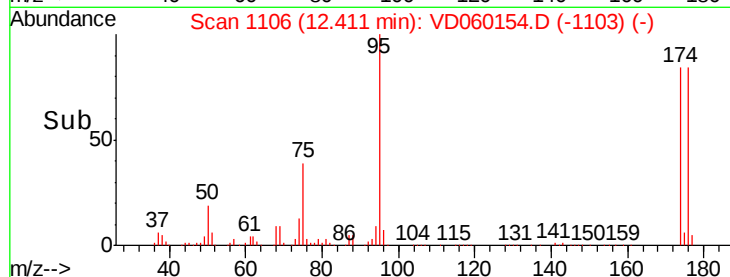
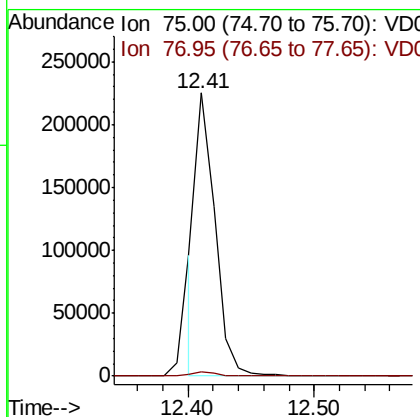
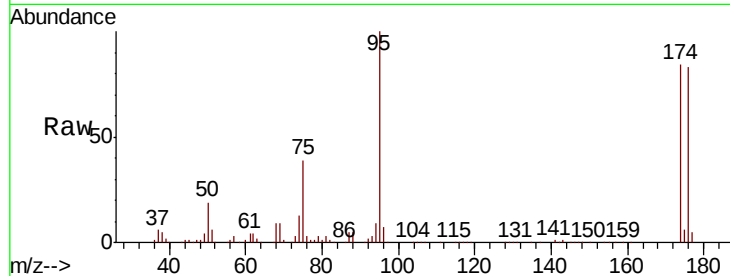




#76
 1,2,3-Trichloropropane
 Concen: 27.070 ug/l
 RT: 12.41 min Scan# 1106
 Delta R.T. -0.17 min
 Lab File: VD060154.D
 Acq: 9 Oct 2018 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-100818-A

Tot Ion: 75 Resp: 237467
 Ion Ratio Lower Upper
 75 100
 77 1.4 16.3 48.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.753 ug/l
 RT: 12.41 min Scan# 1106
 Delta R.T. 0.08 min
 Lab File: VD060154.D
 Acq: 9 Oct 2018 16:41

Tgt Ion: 75 Resp: 300109
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.6#
 89 0.0 32.0 48.0#

