

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061264.D
 Acq On : 22 Mar 2019 16:46
 Operator : VA/AP
 Sample : K1694-05
 Misc : 6.97g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-032019-C

Quant Time: Mar 22 23:28:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.11	168	596297	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	8.27	114	1033833	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.40	117	733297	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	14.54	152	275950	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.51	65	235457	47.44	ug/l	0.06
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	6.98	113	366256	47.74	ug/l	0.05
Spiked Amount			Recovery	=	95.48%	
50) Toluene-d8	10.45	98	751467	39.00	ug/l	0.05
Spiked Amount			Recovery	=	78.00%	
62) 4-Bromofluorobenzene	13.58	95	285336	38.17	ug/l	0.03
Spiked Amount			Recovery	=	76.34%	

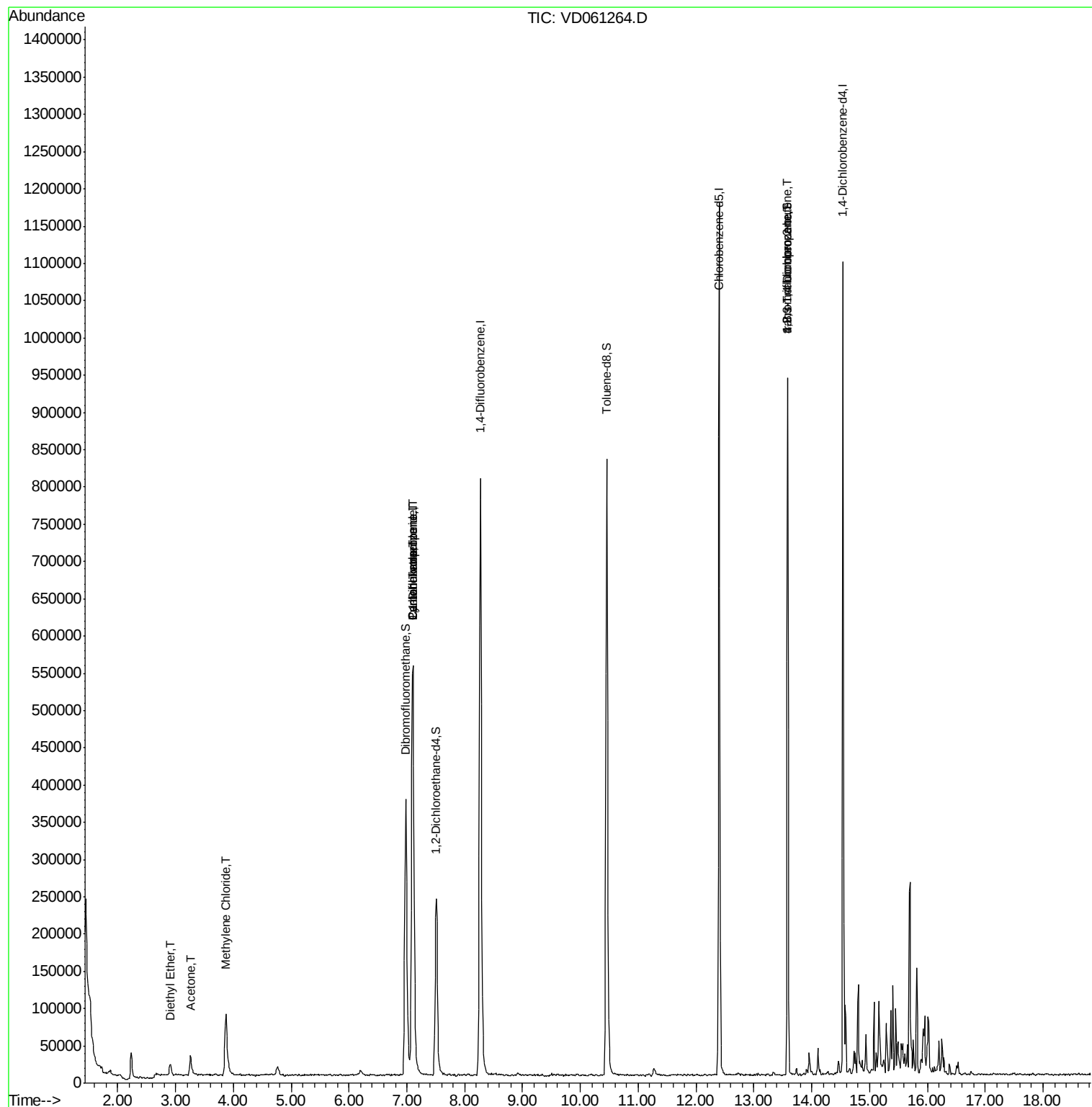
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	191	Below Cal	#	1
8) Diethyl Ether	2.91	74	6545	3.038	ug/l	84
16) Acetone	3.26	43	50802	35.792	ug/l	99
20) Methylene Chloride	3.88	84	68049	6.453	ug/l	91
31) Cyclohexane	7.10	56	10838	1.234	ug/l #	1
36) 1,1-Dichloropropene	7.10	75	41931	4.705	ug/l #	47
38) Carbon Tetrachloride	7.10	117	55106	5.614	ug/l #	14
76) 1,2,3-Trichloropropane	13.58	75	102874	25.913	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.58	75	102874	87.893	ug/l #	17

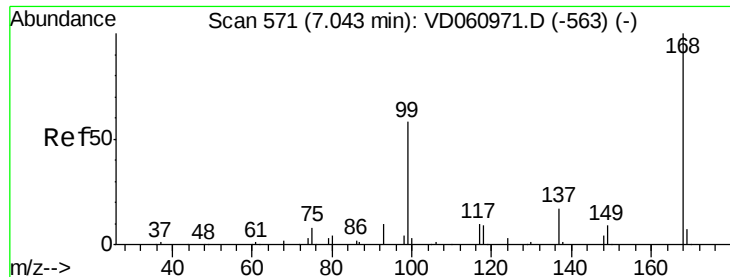
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061264.D
Acq On : 22 Mar 2019 16:46
Operator : VA/AP
Sample : K1694-05
Misc : 6.97g/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EO-02-032019-C

Quant Time: Mar 22 23:28:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.11 min Scan# 577

Delta R.T. 0.06 min

Lab File: VD061264.D

Acq: 22 Mar 2019 16:46

Instrument :

MSVOA_D

ClientSampleId :

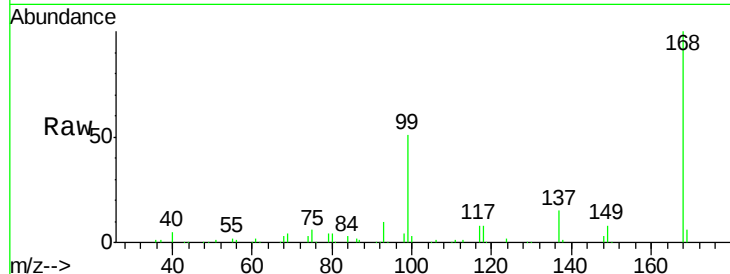
EO-02-032019-C

Tot Ion:168 Resp: 596297

Ion Ratio Lower Upper

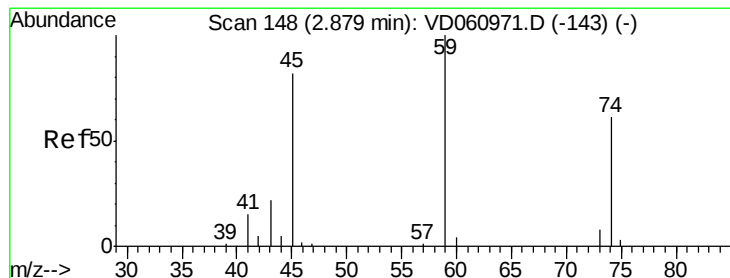
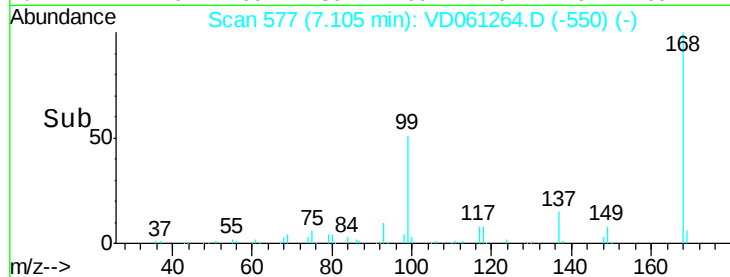
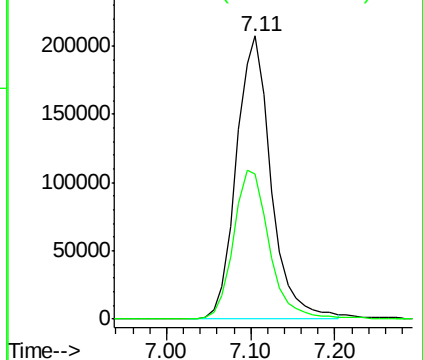
168 100

99 51.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 3.038 ug/l

RT: 2.91 min Scan# 151

Delta R.T. 0.03 min

Lab File: VD061264.D

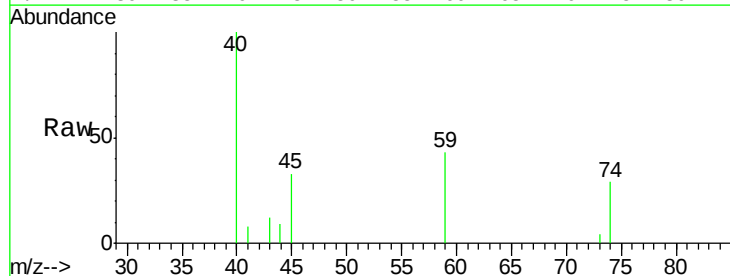
Acq: 22 Mar 2019 16:46

Tgt Ion: 74 Resp: 6545

Ion Ratio Lower Upper

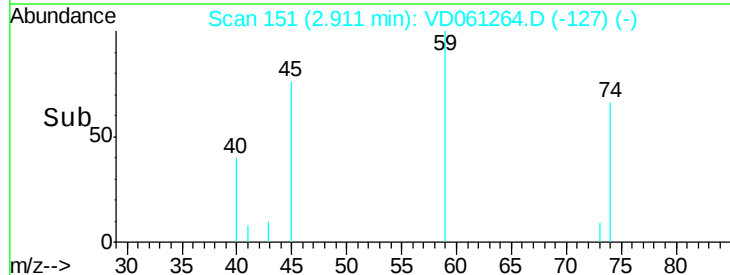
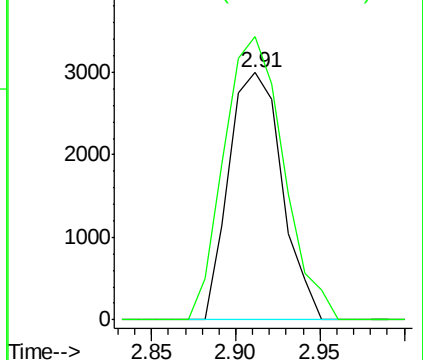
74 100

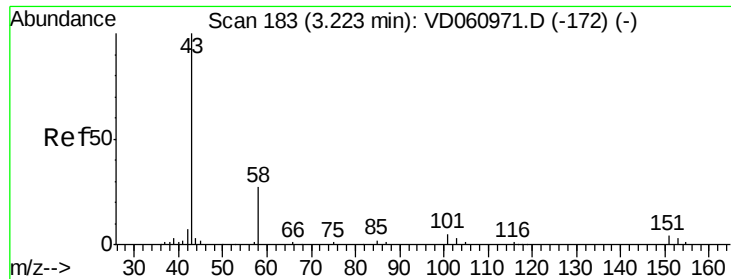
45 114.5 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 35.792 ug/l

RT: 3.26 min Scan# 186

Delta R.T. 0.03 min

Lab File: VD061264.D

Acq: 22 Mar 2019 16:46

Instrument :

MSVOA_D

ClientSampleId :

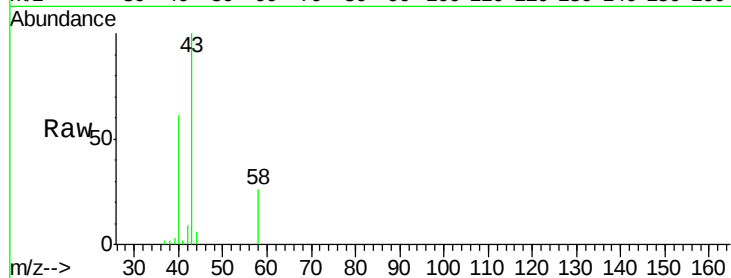
EO-02-032019-C

Tot Ion: 43 Resp: 50802

Ion Ratio Lower Upper

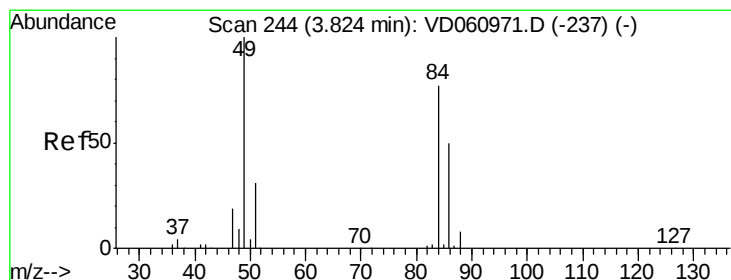
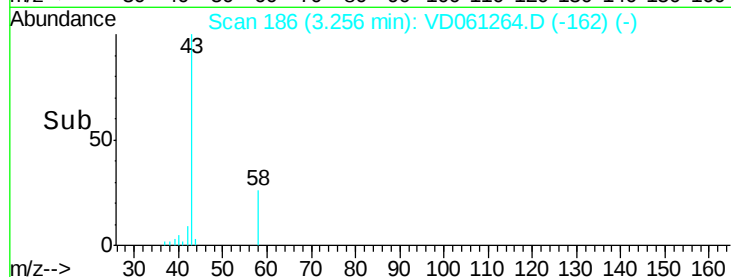
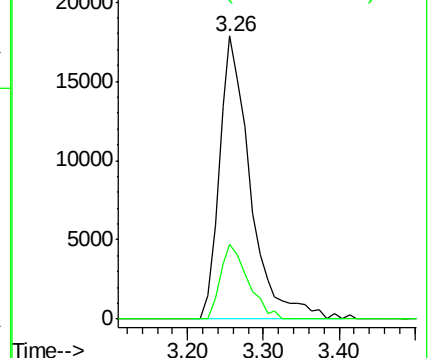
43 100

58 26.2 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 6.453 ug/l

RT: 3.88 min Scan# 249

Delta R.T. 0.05 min

Lab File: VD061264.D

Acq: 22 Mar 2019 16:46

Tgt Ion: 84 Resp: 68049

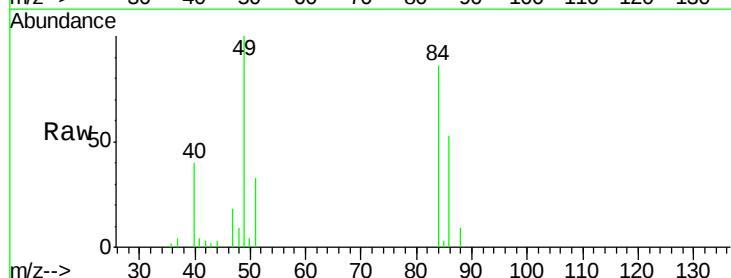
Ion Ratio Lower Upper

84 100

49 116.1 104.2 156.2

51 38.3 32.3 48.5

86 61.8 52.3 78.5

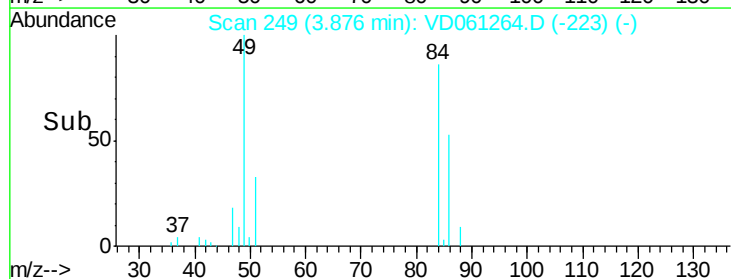
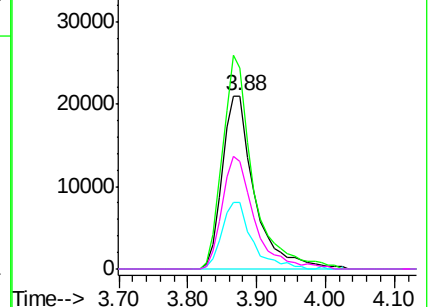


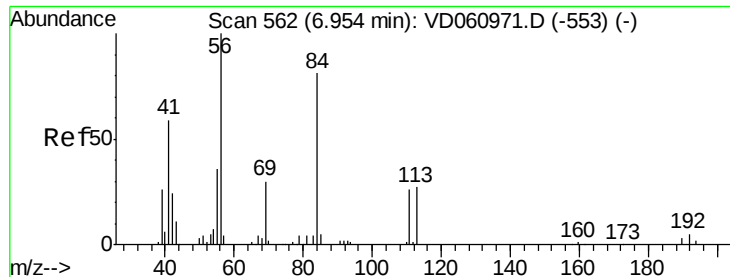
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

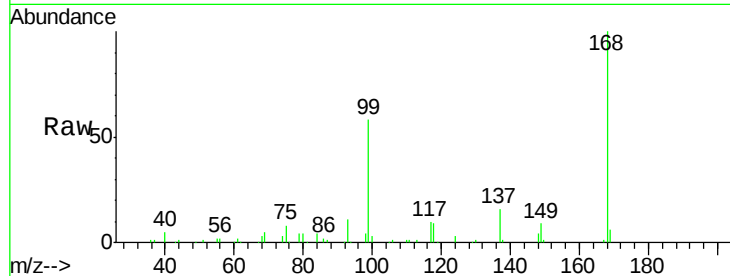




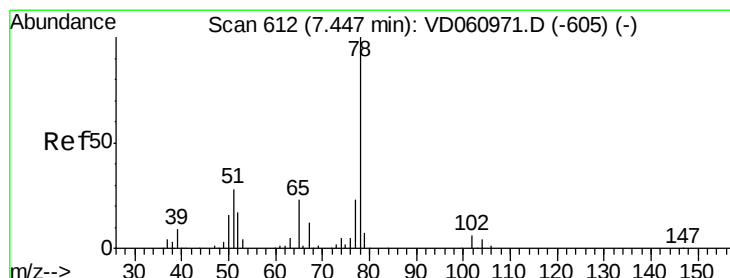
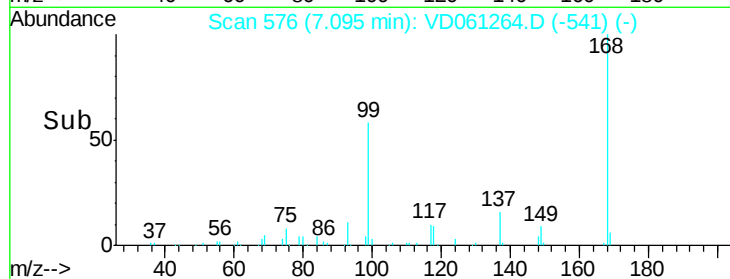
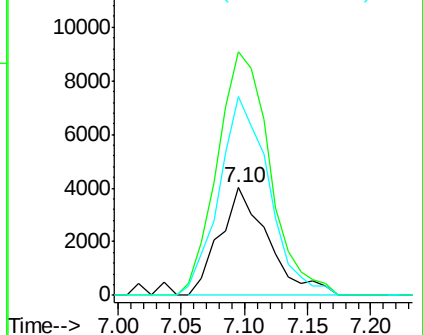
#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.14 min
Lab File: VD061264.D
Acq: 22 Mar 2019 16:46

Instrument :
MSVOA_D
ClientSampleId :
EO-02-032019-C

Tot Ion: 56 Resp: 10838
Ion Ratio Lower Upper
56 100
69 225.8 24.0 36.0#
84 184.5 65.8 98.6#

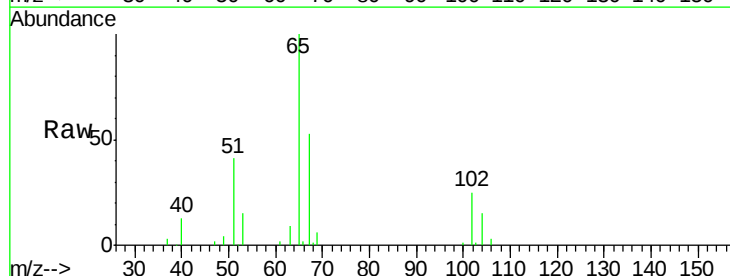


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

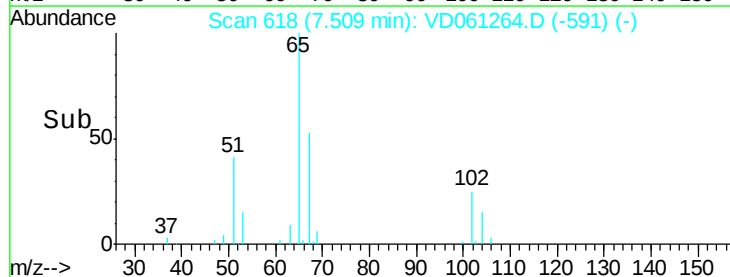
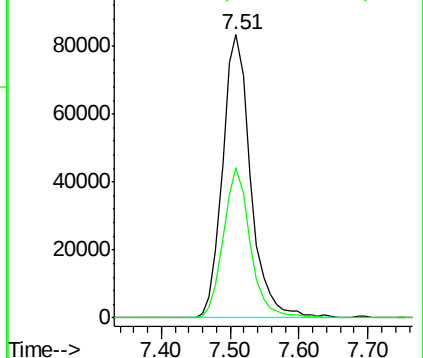


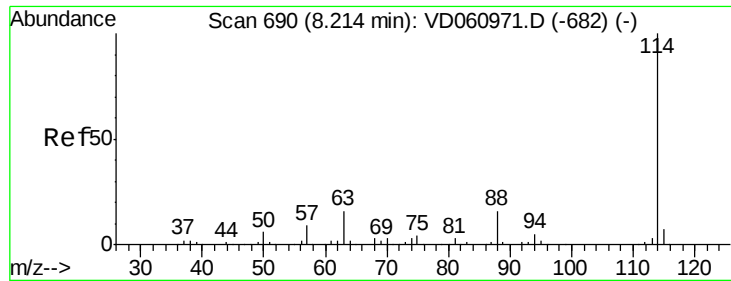
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.51 min Scan# 618
Delta R.T. 0.06 min
Lab File: VD061264.D
Acq: 22 Mar 2019 16:46

Tgt Ion: 65 Resp: 235457
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.2



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

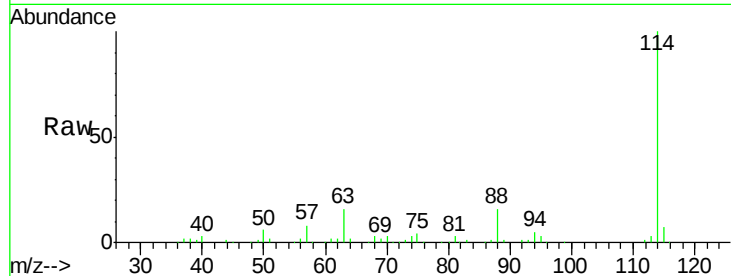




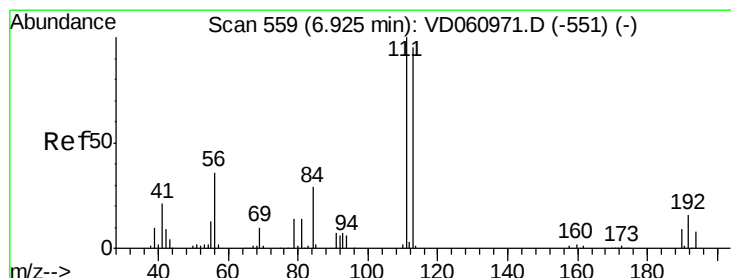
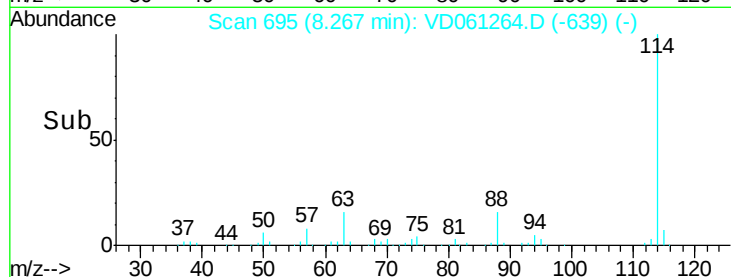
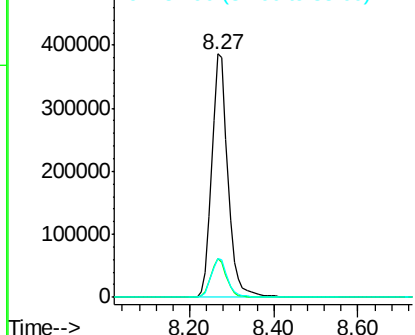
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.27 min Scan# 695
 Delta R.T. 0.05 min
 Lab File: VD061264.D
 Acq: 22 Mar 2019 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-032019-C

Tot Ion:114 Resp: 1033833
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.4
 88 16.0 0.0 33.0

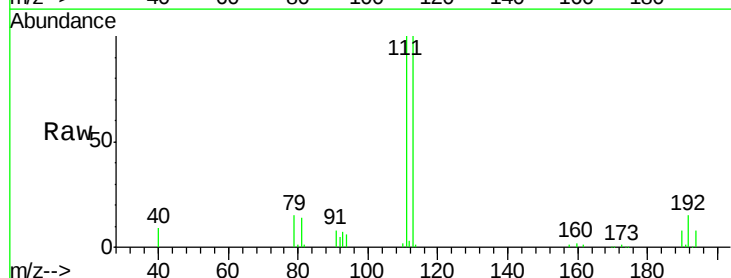


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

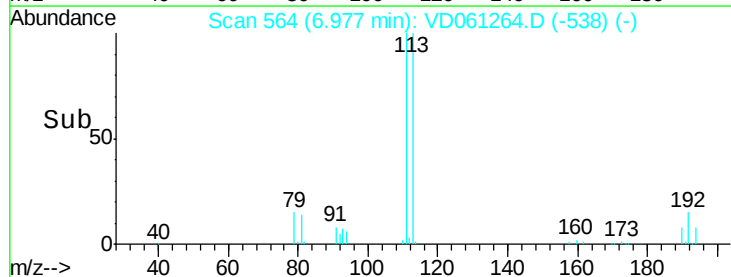
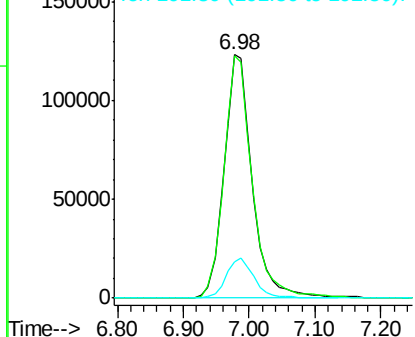


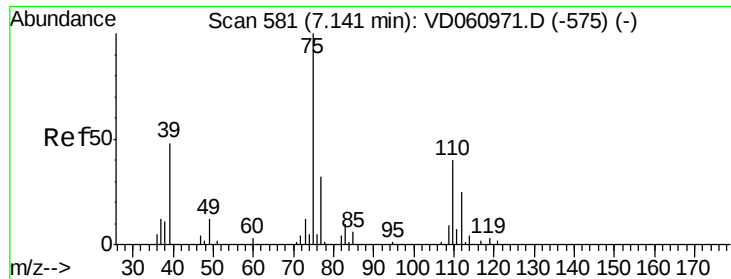
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.98 min Scan# 564
 Delta R.T. 0.05 min
 Lab File: VD061264.D
 Acq: 22 Mar 2019 16:46

Tgt Ion:113 Resp: 366256
 Ion Ratio Lower Upper
 113 100
 111 99.8 84.2 126.4
 192 15.1 13.1 19.7



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: 4.705 ug/l

RT: 7.10 min Scan# 576

Delta R.T. -0.05 min

Lab File: VD061264.D

Acq: 22 Mar 2019 16:46

Instrument :

MSVOA_D

ClientSampleId :

EO-02-032019-C

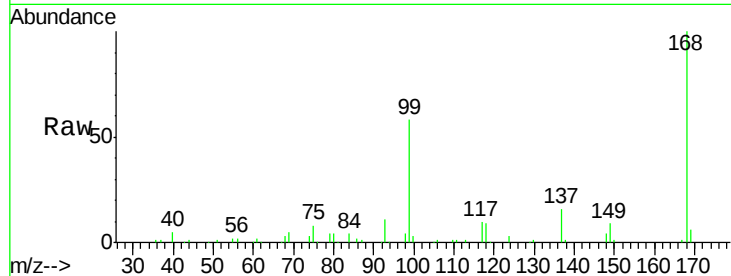
Tot Ion: 75 Resp: 41931

Ion Ratio Lower Upper

75 100

110 8.8 19.7 59.1#

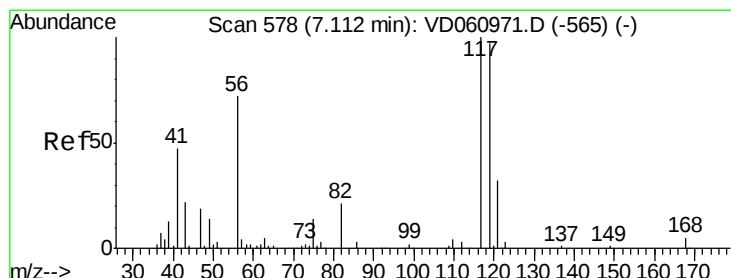
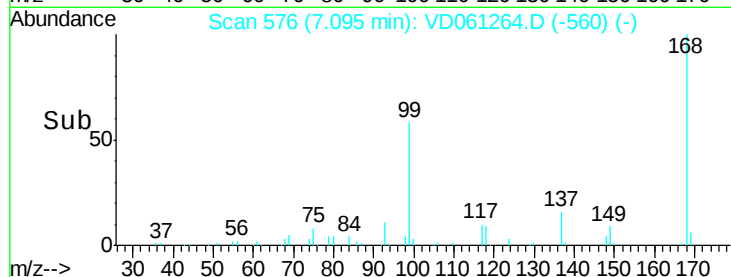
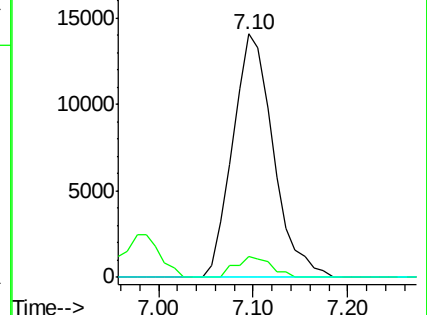
77 0.0 24.7 37.1#



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: 5.614 ug/l

RT: 7.10 min Scan# 576

Delta R.T. -0.02 min

Lab File: VD061264.D

Acq: 22 Mar 2019 16:46

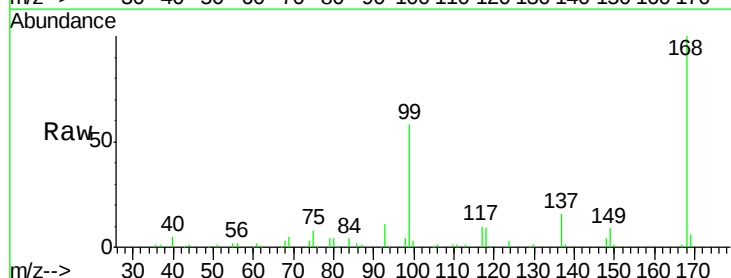
Tgt Ion: 117 Resp: 55106

Ion Ratio Lower Upper

117 100

119 4.0 77.8 116.8#

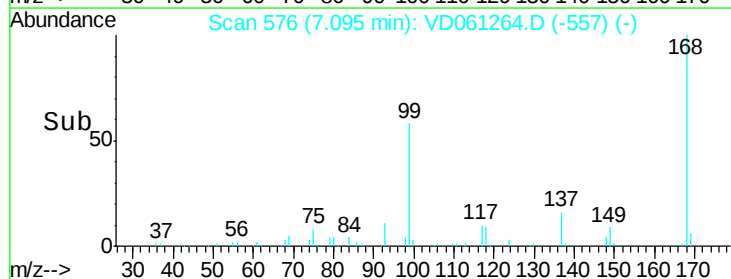
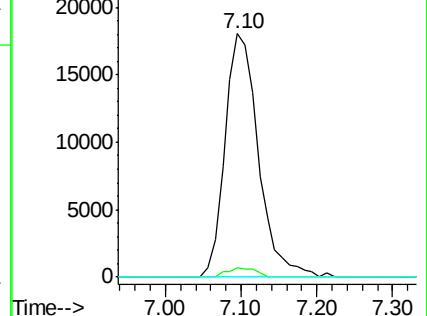
121 0.0 25.3 37.9#

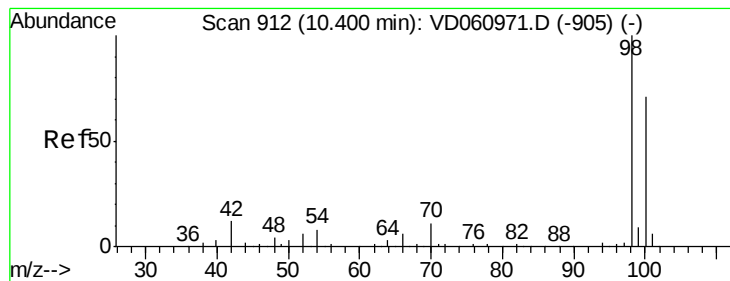


Abundance Ion 116.85 (116.55 to 117.55): VDC

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: 10.45 min Scan# 917

Delta R.T. 0.05 min

Lab File: VD061264.D

Acq: 22 Mar 2019 16:46

Instrument :

MSVOA_D

ClientSampleId :

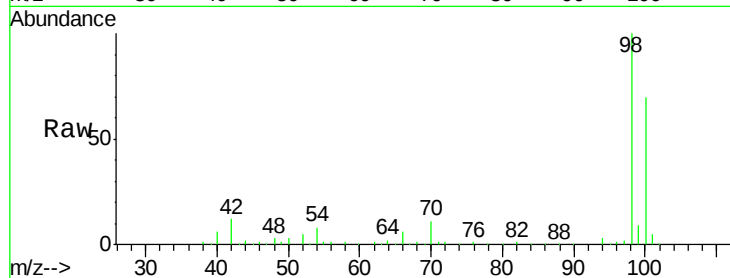
EO-02-032019-C

Tot Ion: 98 Resp: 751467

Ion Ratio Lower Upper

98 100

100 69.7 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

10.45

300000

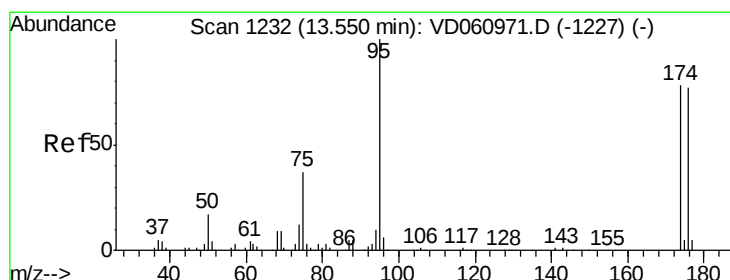
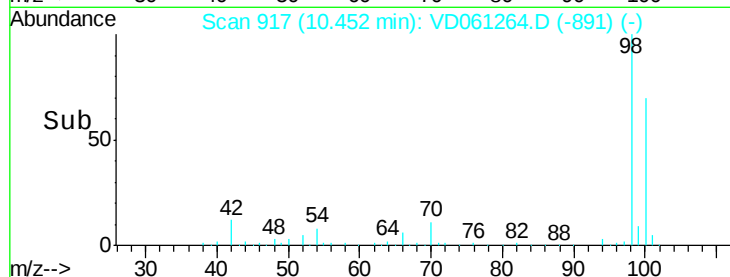
200000

100000

0

Time-->

10.30 10.40 10.50 10.60



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.03 min

Lab File: VD061264.D

Acq: 22 Mar 2019 16:46

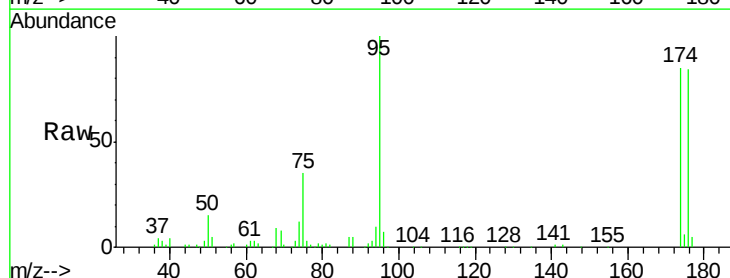
Tgt Ion: 95 Resp: 285336

Ion Ratio Lower Upper

95 100

174 84.8 0.0 155.6

176 84.0 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

13.58

250000

200000

150000

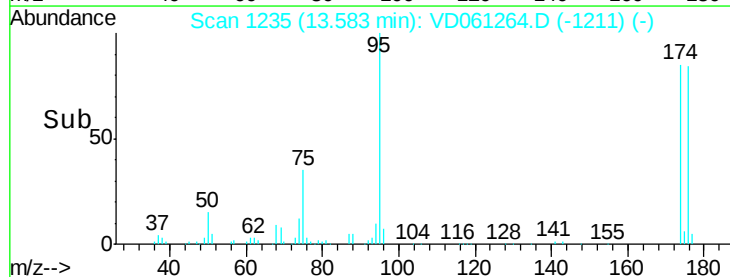
100000

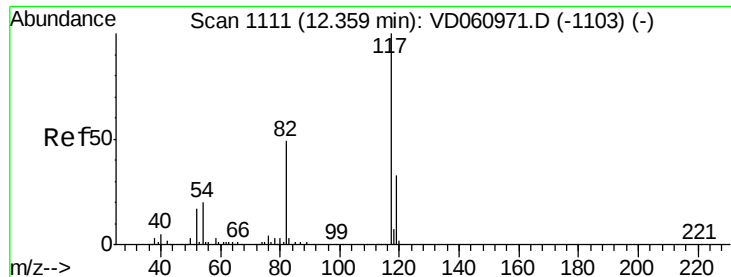
50000

0

Time-->

13.50 13.60 13.70

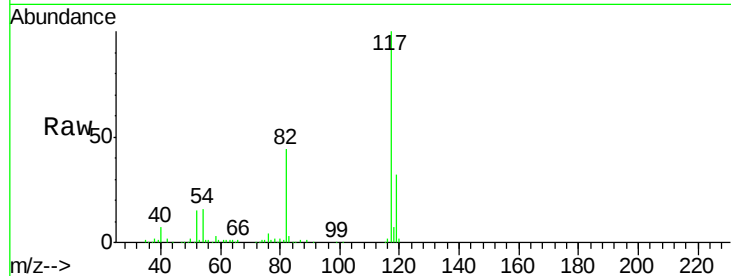




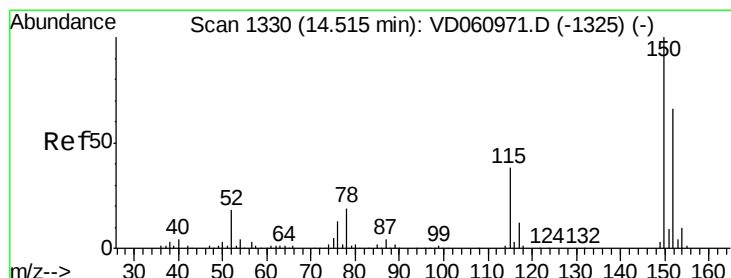
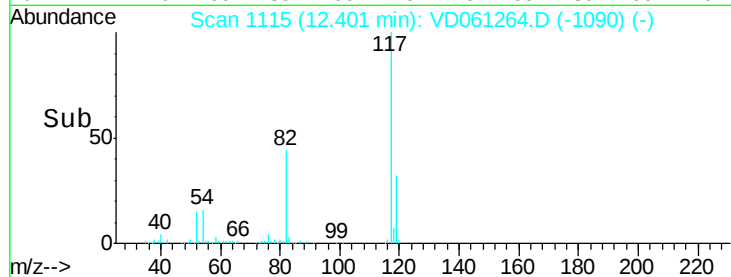
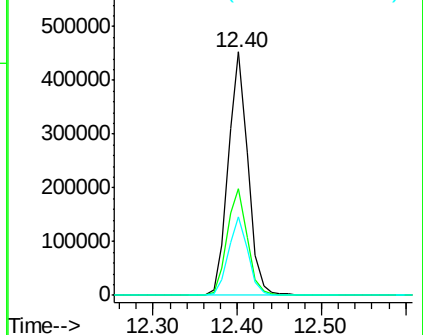
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.04 min
Lab File: VD061264.D
Acq: 22 Mar 2019 16:46

Instrument :
MSVOA_D
ClientSampleId :
EO-02-032019-C

Tot Ion:117 Resp: 733297
Ion Ratio Lower Upper
117 100
82 43.8 38.9 58.3
119 32.2 26.6 39.8

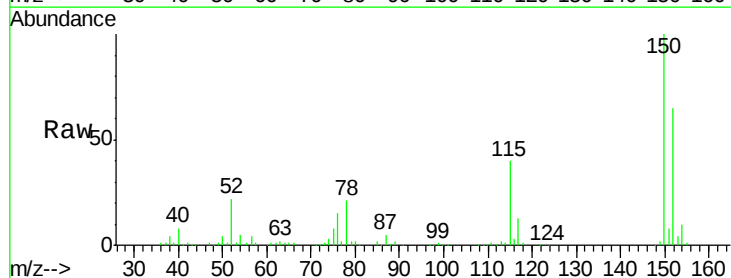


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

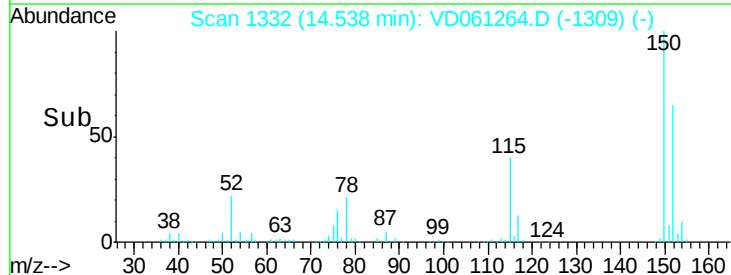
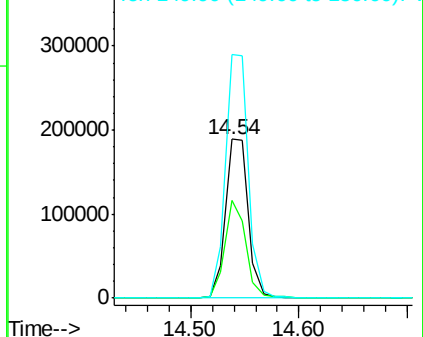


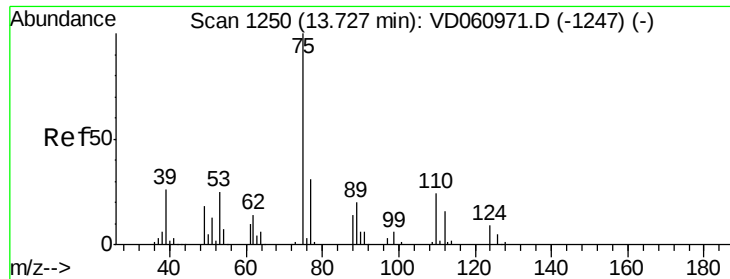
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.54 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD061264.D
Acq: 22 Mar 2019 16:46

Tgt Ion:152 Resp: 275950
Ion Ratio Lower Upper
152 100
115 61.4 28.6 85.9
150 153.5 0.0 310.6



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

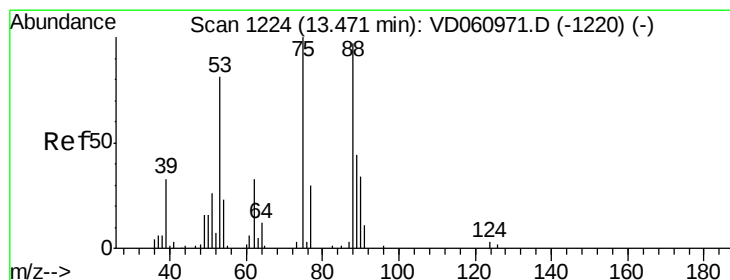
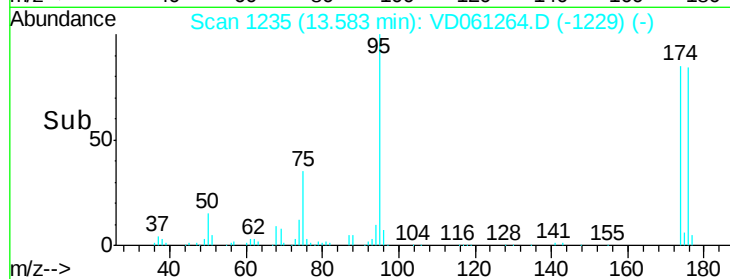
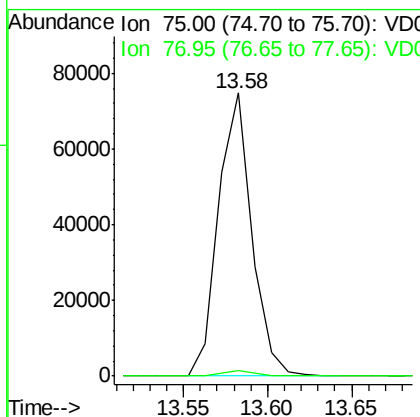
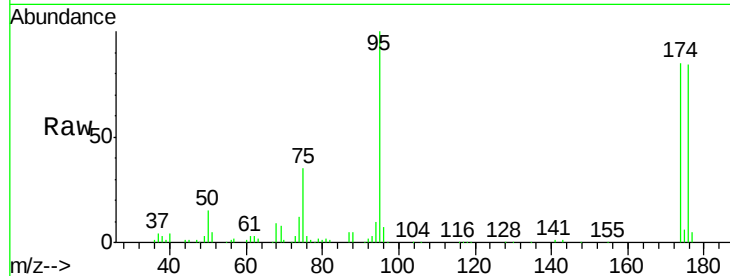




#76
 1,2,3-Trichloropropane
 Concen: 25.913 ug/l
 RT: 13.58 min Scan# 1235
 Delta R.T. -0.14 min
 Lab File: VD061264.D
 Acq: 22 Mar 2019 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-032019-C

Tot Ion: 75 Resp: 102874
 Ion Ratio Lower Upper
 75 100
 77 2.1 16.6 49.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.893 ug/l
 RT: 13.58 min Scan# 1235
 Delta R.T. 0.11 min
 Lab File: VD061264.D
 Acq: 22 Mar 2019 16:46

Tgt Ion: 75 Resp: 102874
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

