

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061573.D
 Acq On : 3 Apr 2019 23:26
 Operator : VA/AP
 Sample : K2196-01RE
 Misc : 5.82g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 01:52:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

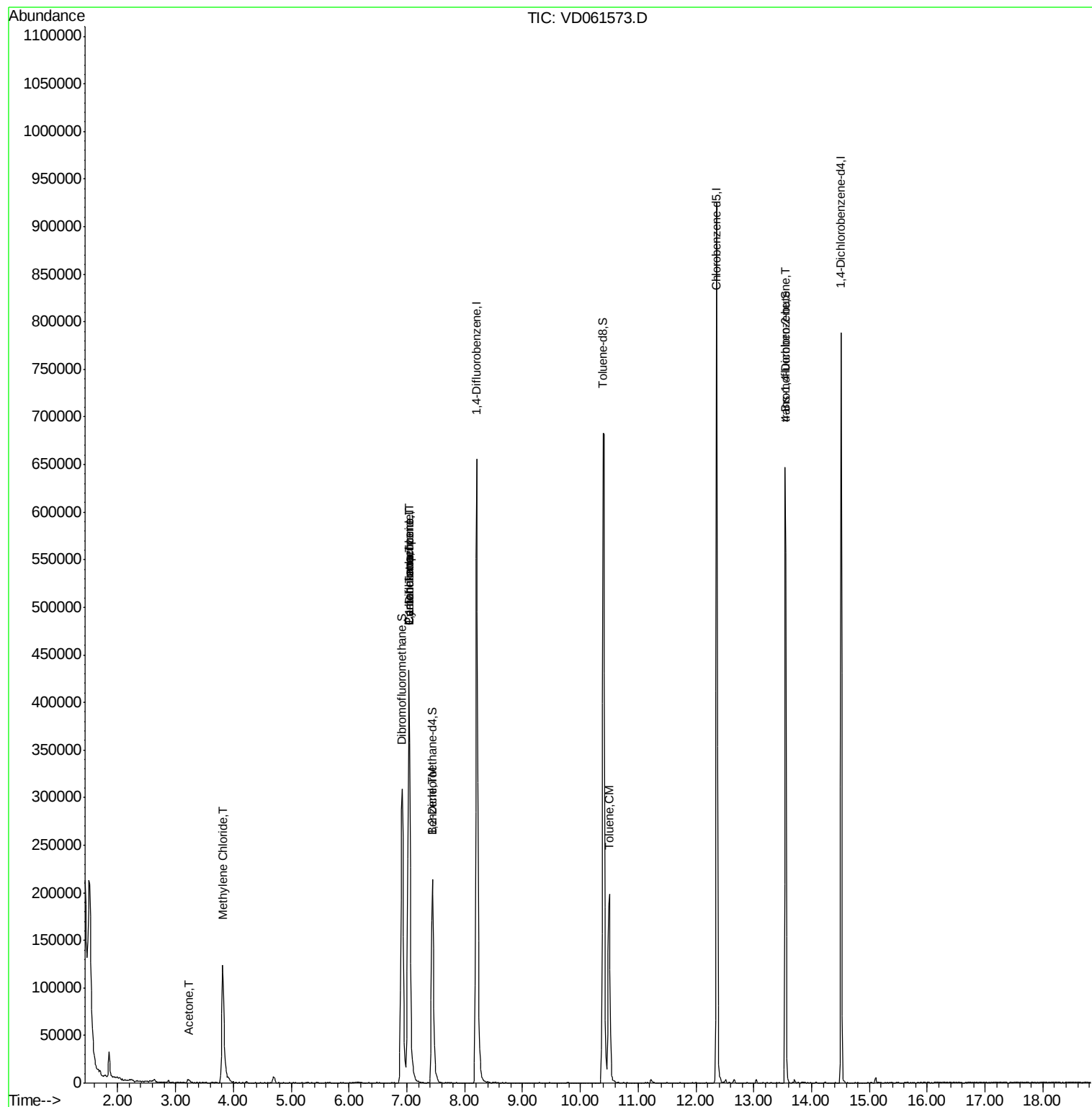
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	433268	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	774883	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	593045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	171974	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	209621	56.64	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.28%	
35) Dibromofluoromethane	6.92	113	296857	50.13	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.40	98	620248	43.67	ug/l	0.02
Spiked Amount	50.000		Recovery	=	87.34%	
62) 4-Bromofluorobenzene	13.55	95	211346	38.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.62%	
Target Compounds						
					Qvalue	
16) Acetone	3.23	43	8561	8.998	ug/l #	89
20) Methylene Chloride	3.82	84	93411	16.229	ug/l	95
31) Cyclohexane	7.04	56	7406	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	32761	4.844	ug/l #	46
38) Carbon Tetrachloride	7.04	117	40222	5.176	ug/l #	14
40) Benzene	7.45	78	23427	1.380	ug/l	99
52) Toluene	10.50	92	116623	11.263	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.55	75	83684	110.483	ug/l #	18

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

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Quant Time: Apr 04 01:52:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061573.D

Acq: 3 Apr 2019 23:26

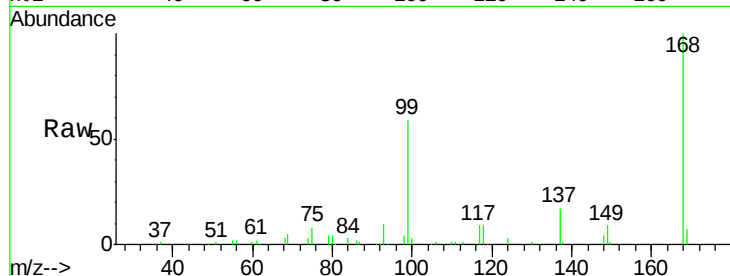
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 433268

Ion Ratio Lower Upper

168 100

99 59.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

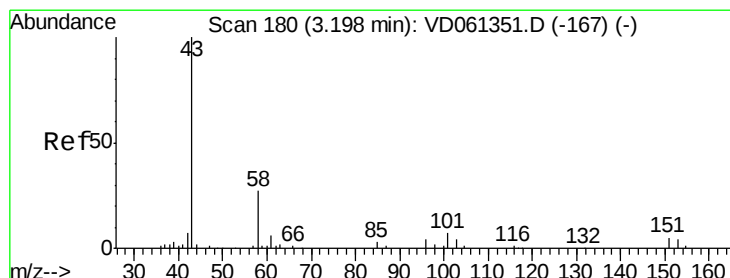
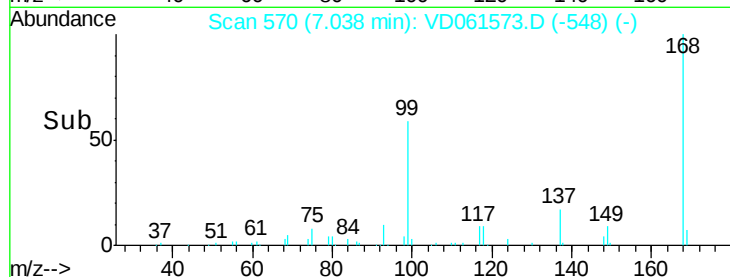
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 8.998 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061573.D

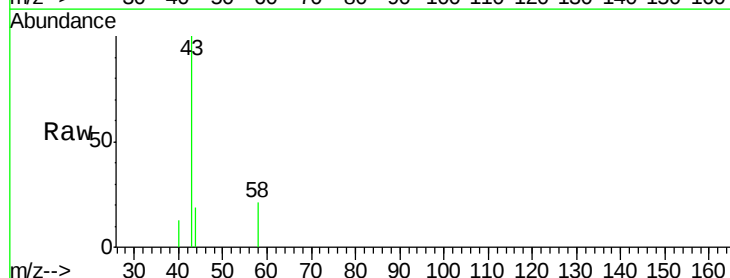
Acq: 3 Apr 2019 23:26

Tgt Ion: 43 Resp: 8561

Ion Ratio Lower Upper

43 100

58 21.3 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

3000

2500

2000

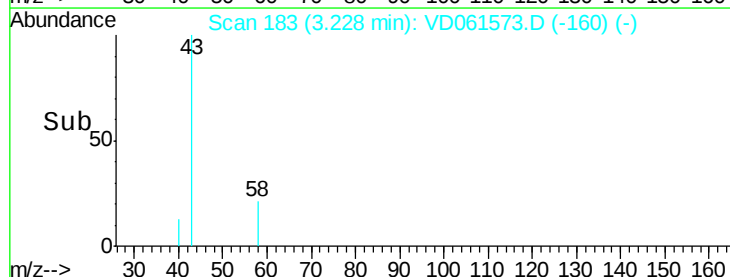
1500

1000

500

0

Time-->





#20

Methylene Chloride

Concen: 16.229 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD061573.D

Acq: 3 Apr 2019 23:26

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 93411

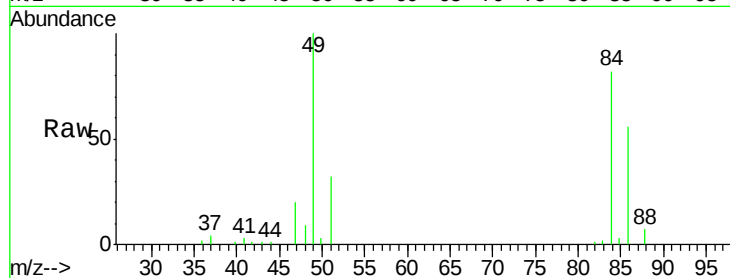
Ion Ratio Lower Upper

84 100

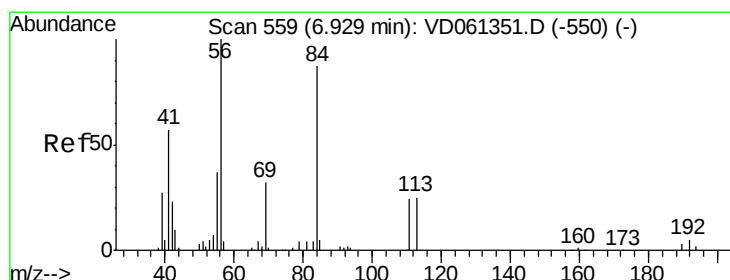
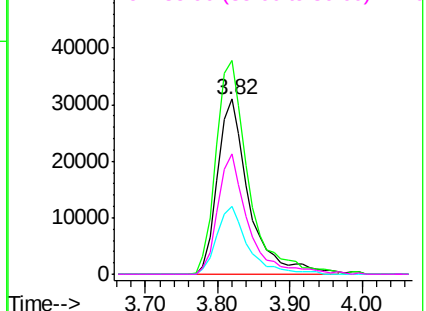
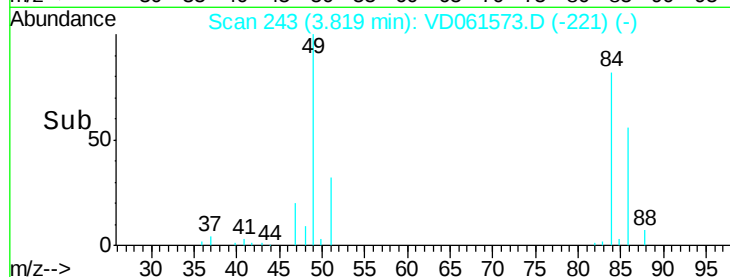
49 122.0 91.8 137.8

51 38.5 29.8 44.8

86 68.7 51.8 77.6



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: 1.162 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.11 min

Lab File: VD061573.D

Acq: 3 Apr 2019 23:26

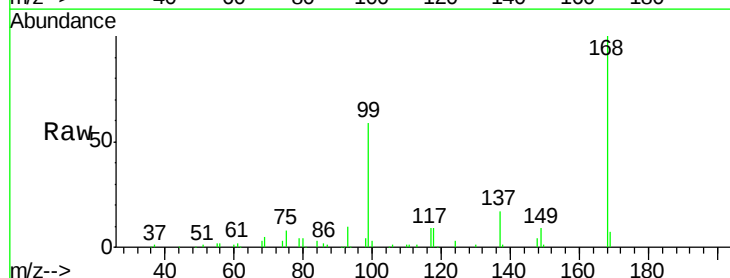
Tgt Ion: 56 Resp: 7406

Ion Ratio Lower Upper

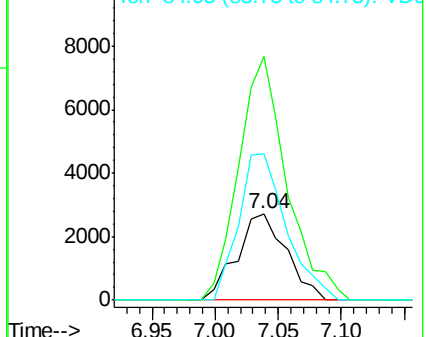
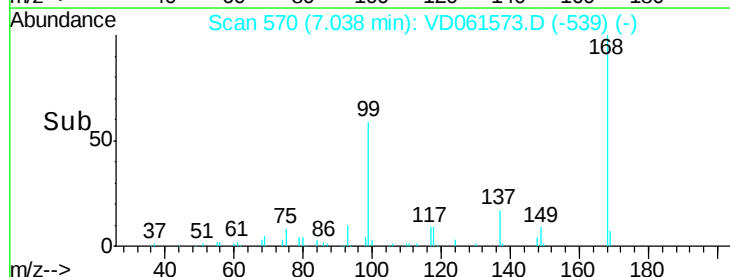
56 100

69 282.6 25.7 38.5#

84 169.9 70.6 105.8#



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: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061573.D

Acq: 3 Apr 2019 23:26

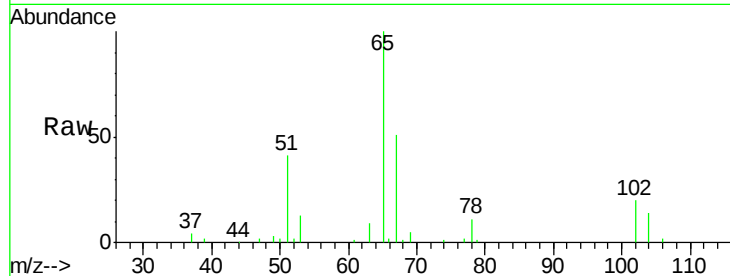
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 209621

Ion Ratio Lower Upper

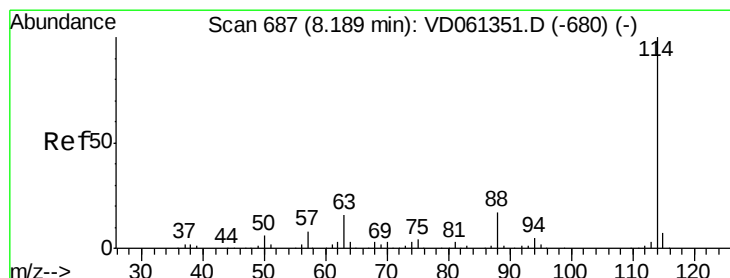
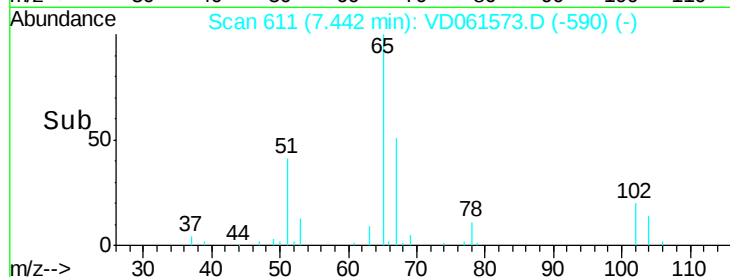
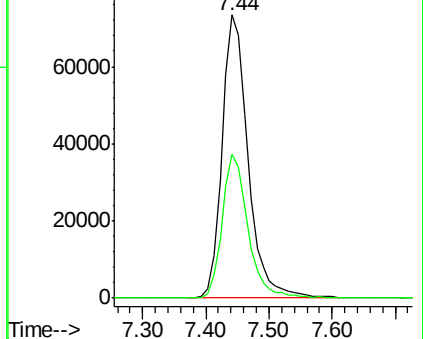
65 100

67 50.9 0.0 99.8



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: 8.21 min Scan# 689

Delta R.T. 0.02 min

Lab File: VD061573.D

Acq: 3 Apr 2019 23:26

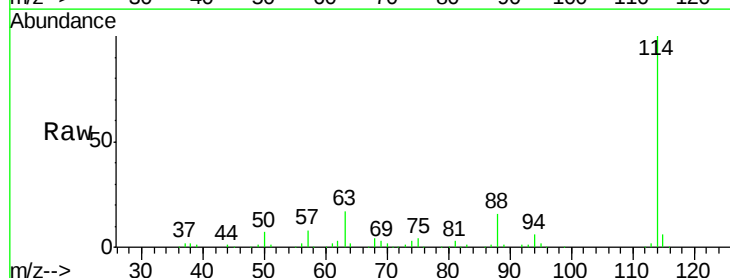
Tgt Ion: 114 Resp: 774883

Ion Ratio Lower Upper

114 100

63 16.7 0.0 31.6

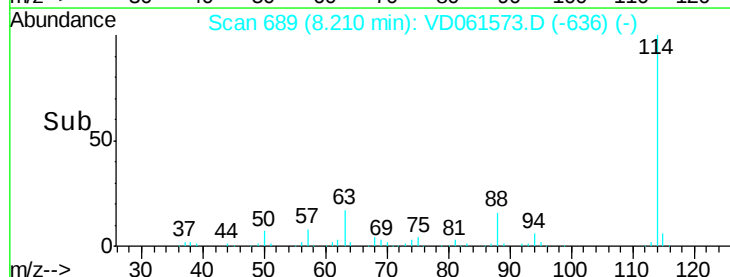
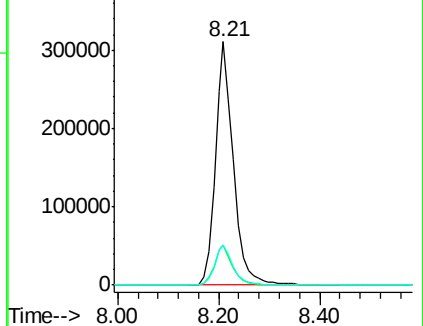
88 16.3 0.0 33.4



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





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

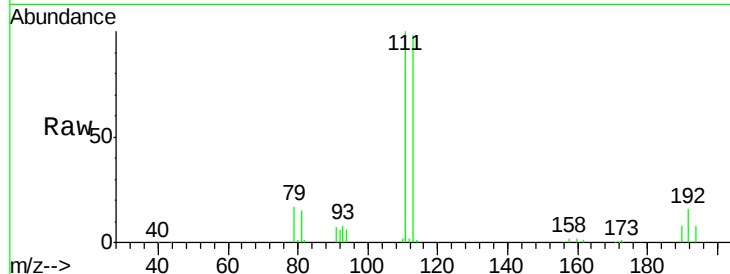
Delta R.T. 0.02 min

Lab File: VD061573.D

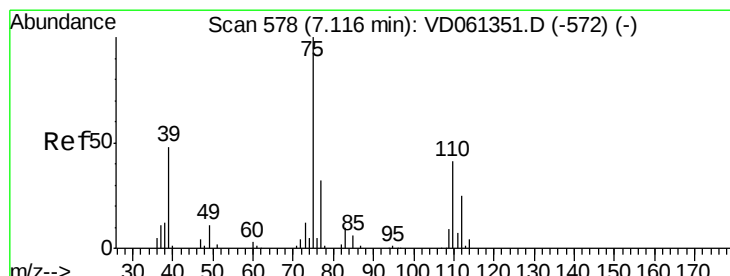
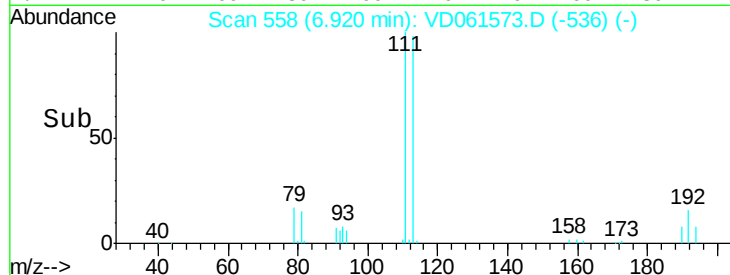
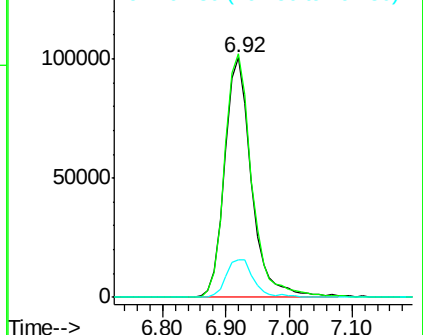
Acq: 3 Apr 2019 23:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113	Resp:	296857
Ion Ratio	Lower	Upper
113	100	
111	101.7	81.0 121.6
192	15.9	14.4 21.6



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: 4.844 ug/l

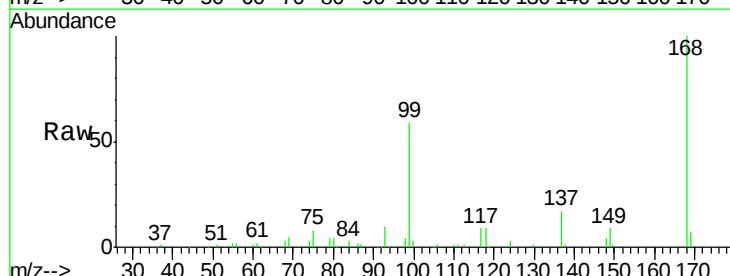
RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

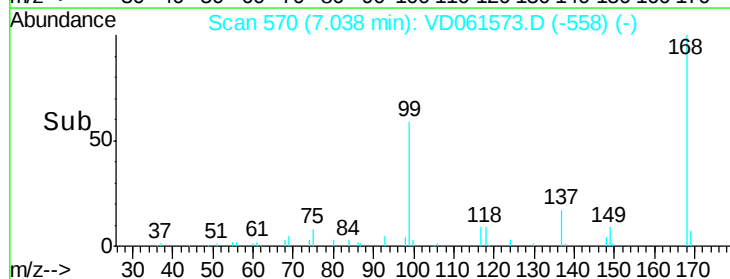
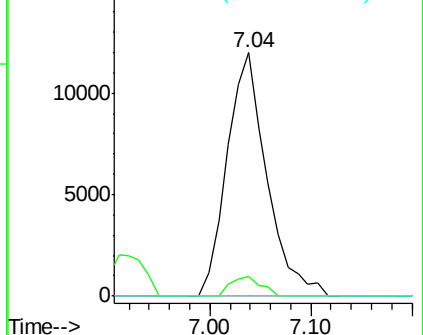
Lab File: VD061573.D

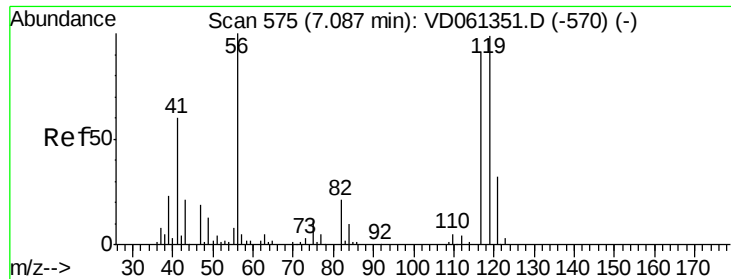
Acq: 3 Apr 2019 23:26

Tgt Ion: 75	Resp:	32761
Ion Ratio	Lower	Upper
75	100	
110	8.3	20.4 61.3#
77	0.0	24.9 37.3#



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: 5.176 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD061573.D

Acq: 3 Apr 2019 23:26

Instrument :

MSVOA_D

ClientSampleId :

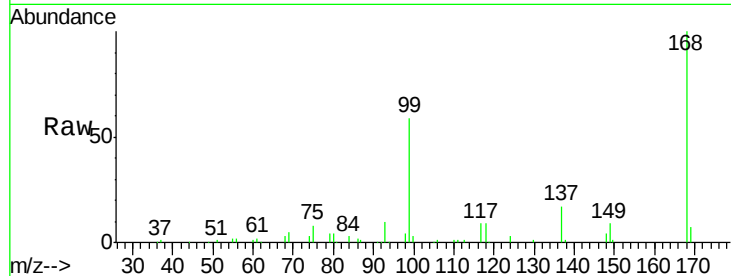
Tot Ion:117 Resp: 40222

Ion Ratio Lower Upper

117 100

119 5.2 80.1 120.1#

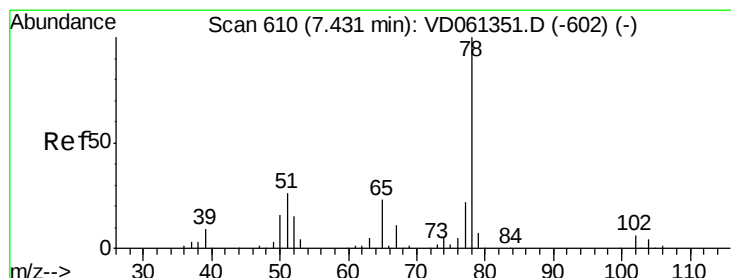
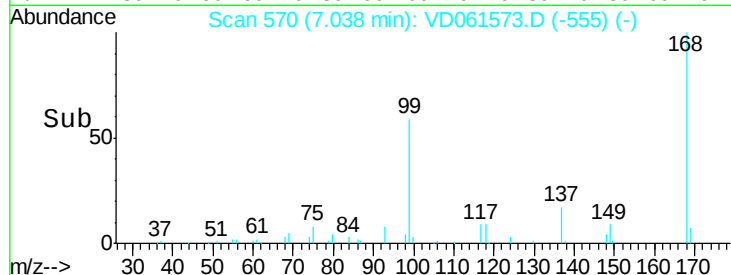
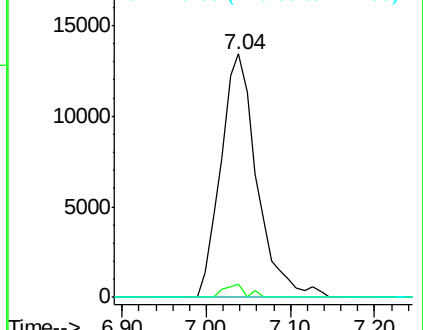
121 0.0 25.6 38.4#



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



#40

Benzene

Concen: 1.380 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061573.D

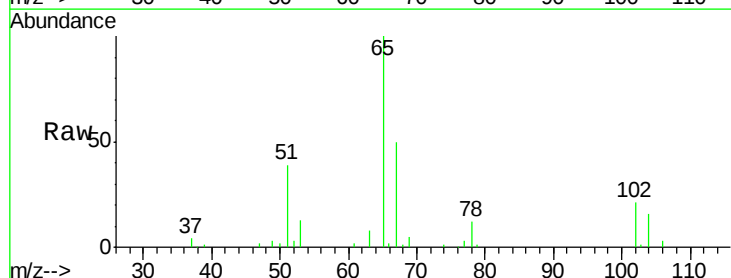
Acq: 3 Apr 2019 23:26

Tgt Ion: 78 Resp: 23427

Ion Ratio Lower Upper

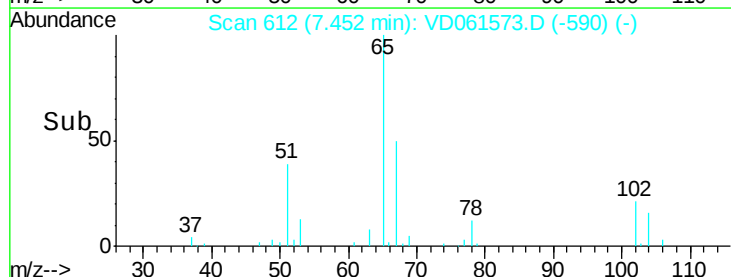
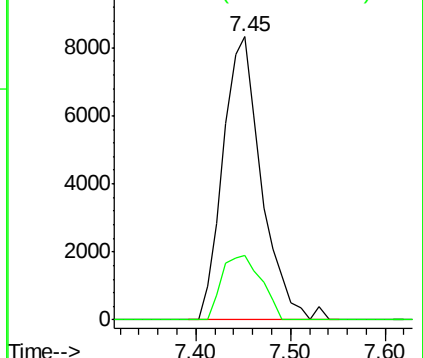
78 100

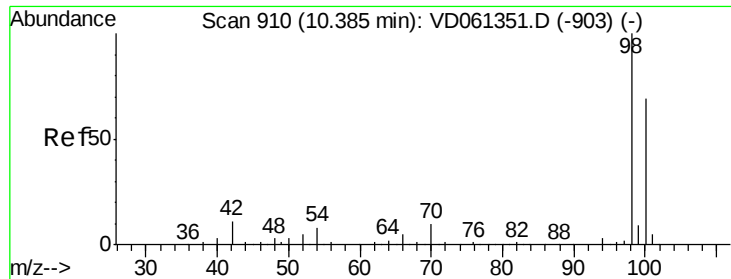
77 22.7 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V

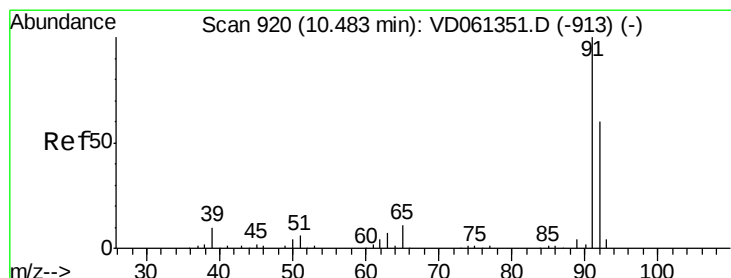
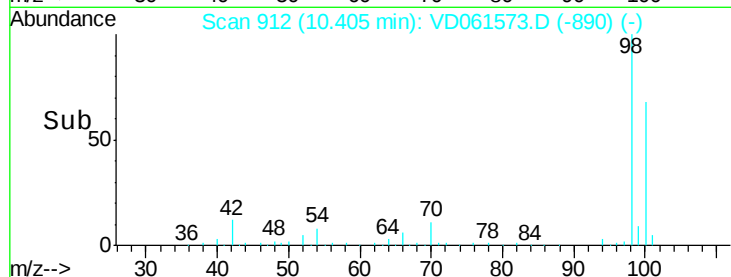
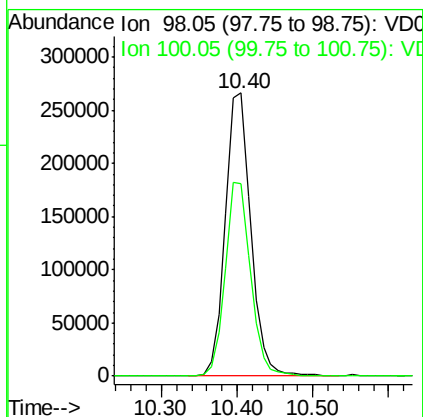
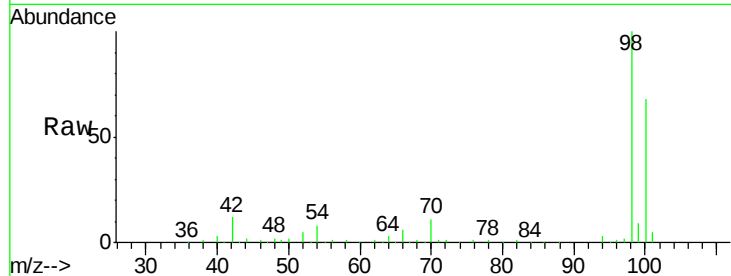




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.02 min
Lab File: VD061573.D
Acq: 3 Apr 2019 23:26

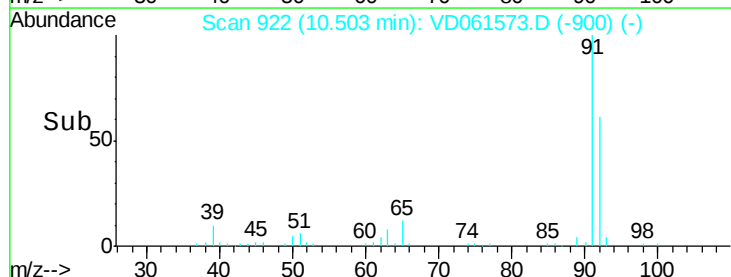
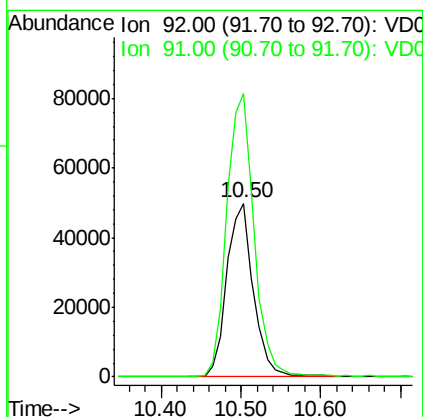
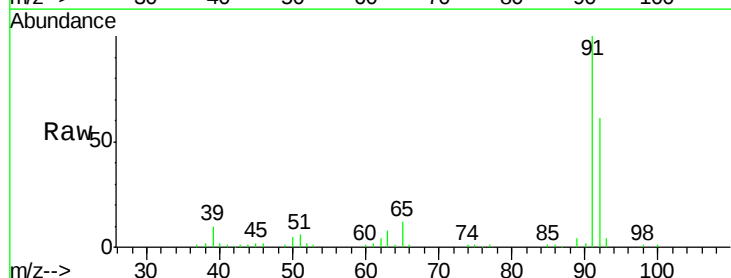
Instrument :
MSVOA_D
ClientSampleId :

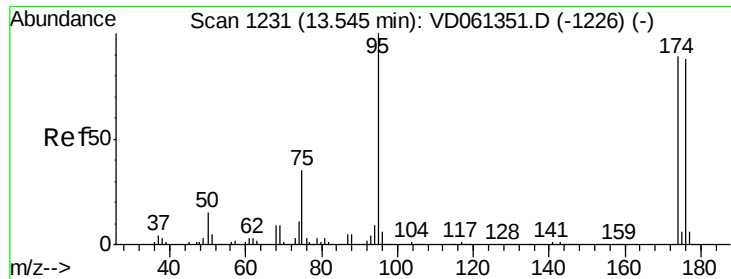
Tot Ion: 98 Resp: 620248
Ion Ratio Lower Upper
98 100
100 68.0 56.2 84.2



#52
Toluene
Concen: 11.263 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.02 min
Lab File: VD061573.D
Acq: 3 Apr 2019 23:26

Tgt Ion: 92 Resp: 116623
Ion Ratio Lower Upper
92 100
91 163.0 133.3 199.9

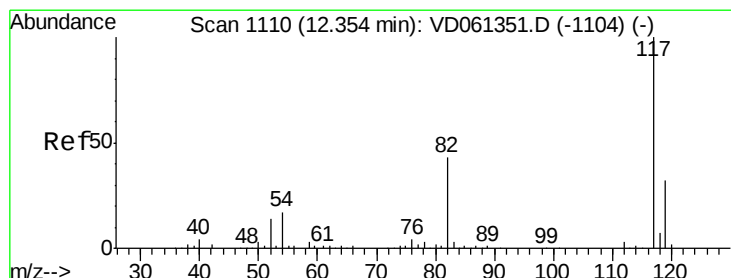
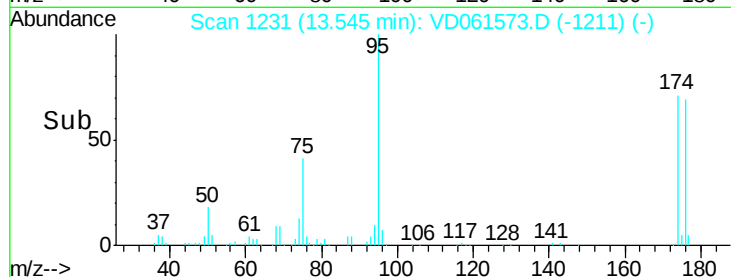
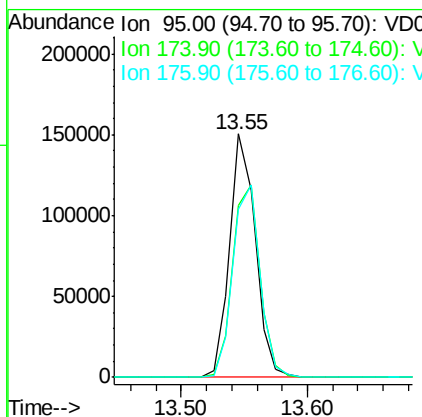
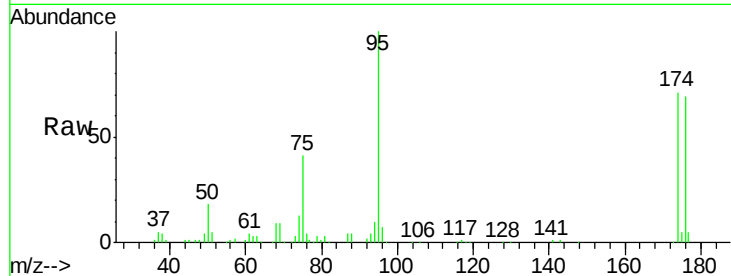




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD061573.D
Acq: 3 Apr 2019 23:26

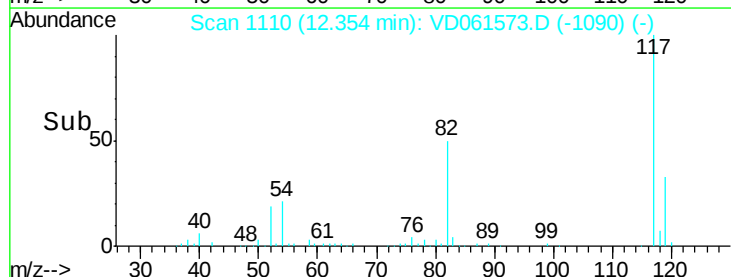
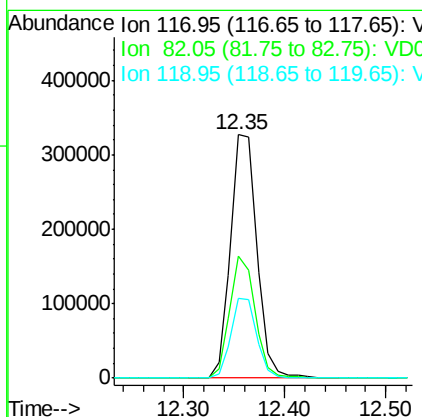
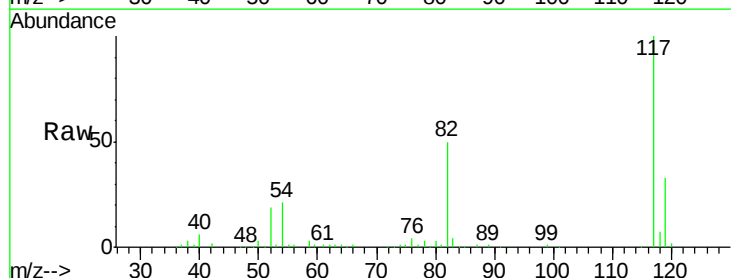
Instrument :
MSVOA_D
ClientSampleId :

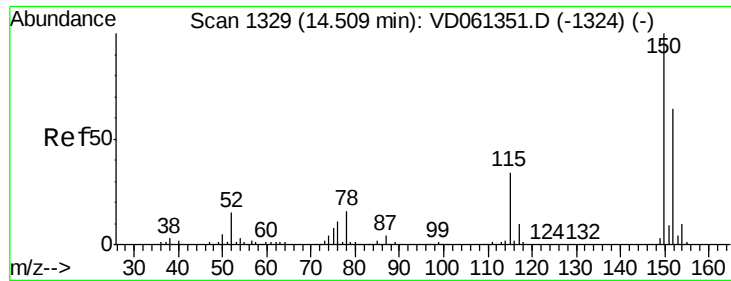
Tot Ion: 95 Resp: 211346
Ion Ratio Lower Upper
95 100
174 70.8 0.0 178.0
176 69.0 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061573.D
Acq: 3 Apr 2019 23:26

Tgt Ion: 117 Resp: 593045
Ion Ratio Lower Upper
117 100
82 50.1 34.4 51.6
119 32.9 25.8 38.6



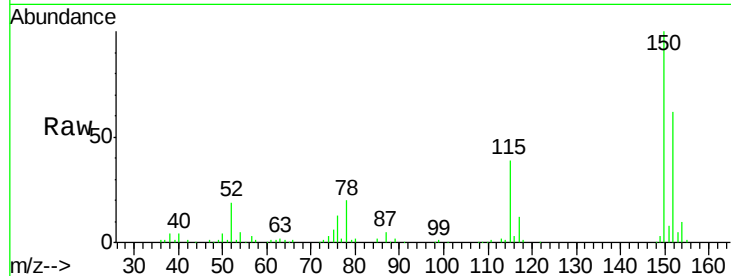


#72

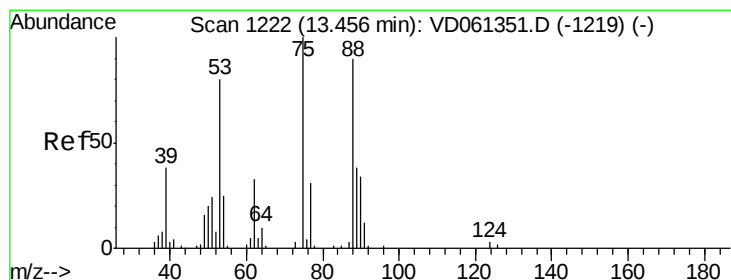
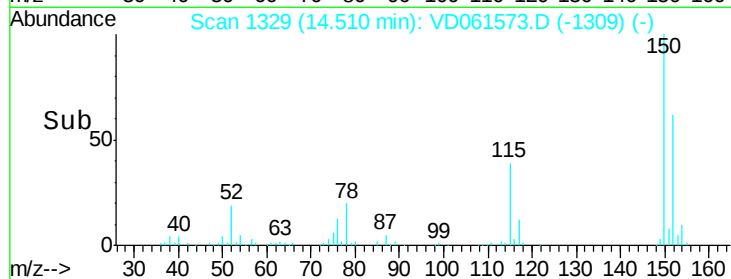
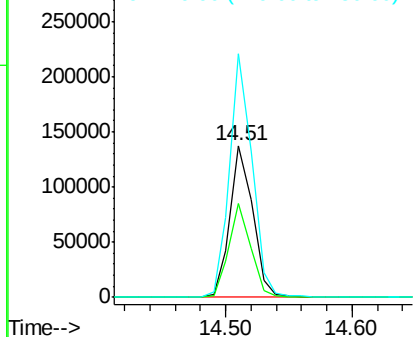
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD061573.D
Acq: 3 Apr 2019 23:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 171974
Ion Ratio Lower Upper
152 100
115 61.8 26.9 80.6
150 160.2 0.0 318.0



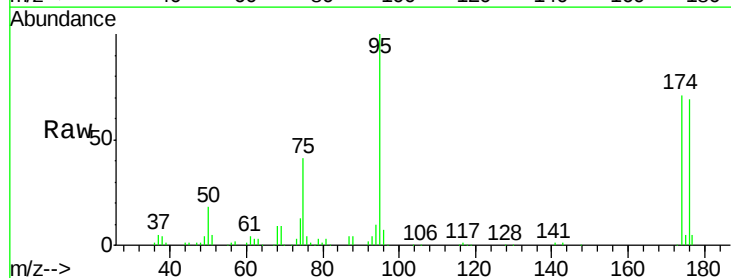
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 110.483 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.09 min
Lab File: VD061573.D
Acq: 3 Apr 2019 23:26

Tgt Ion: 75 Resp: 83684
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.8#
89 0.0 30.5 45.7#



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

