

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062994.D
 Acq On : 1 Jul 2019 17:03
 Operator : VA/AP
 Sample : K3592-01
 Misc : 6.23g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 02 07:35:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

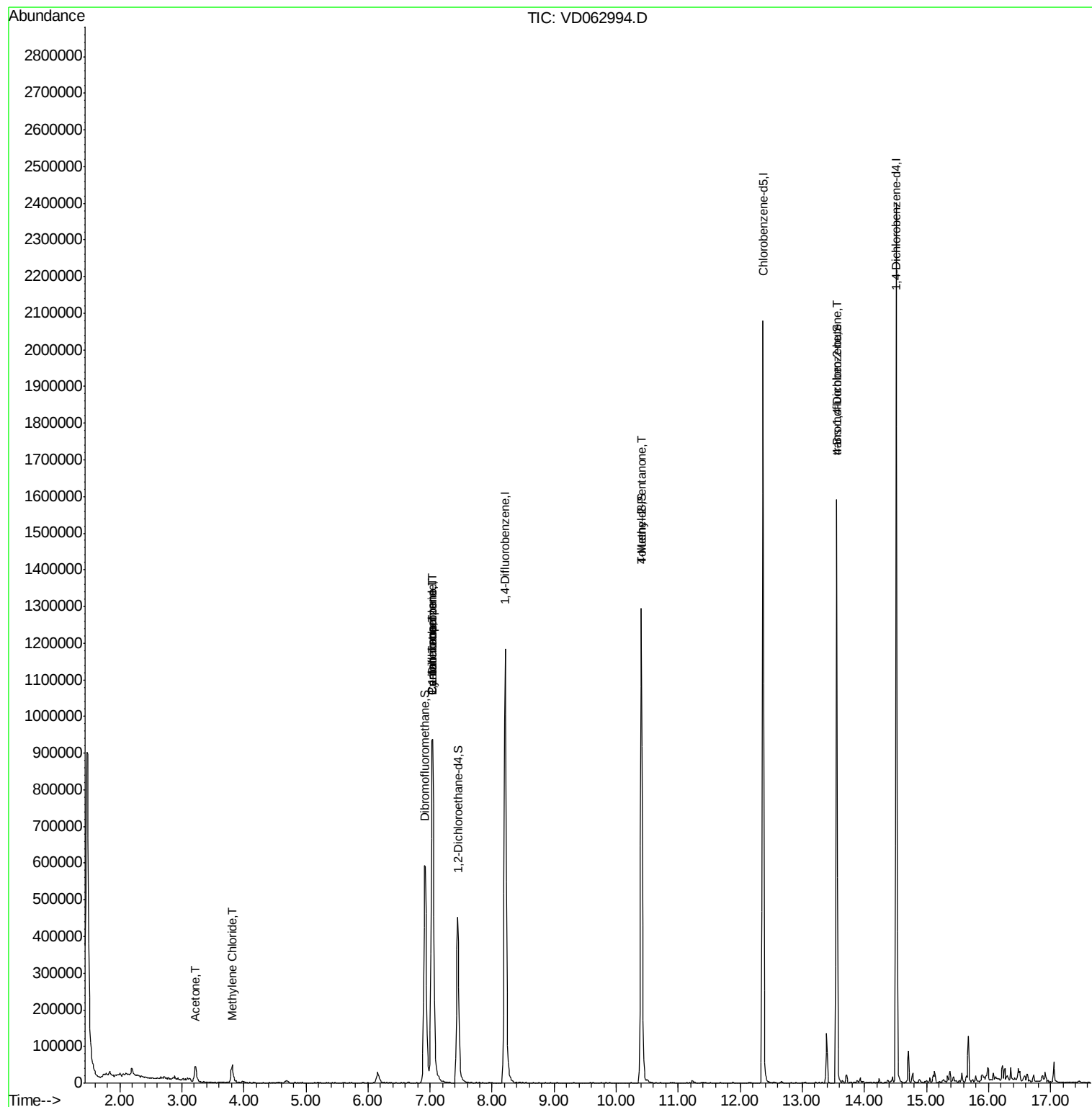
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	967102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1275666	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1090384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	524721	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	504221	47.97	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.94%	
35) Dibromofluoromethane	6.91	113	542570	50.44	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.88%	
50) Toluene-d8	10.41	98	1045471	44.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.32%	
62) 4-Bromofluorobenzene	13.56	95	463959	43.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.16%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	84074	33.376	ug/l #	92
20) Methylene Chloride	3.81	84	31946	3.985	ug/l	96
31) Cyclohexane	7.04	56	22190	2.248	ug/l #	14
36) 1,1-Dichloropropene	7.03	75	71416	5.914	ug/l #	56
37) Ethyl Acetate	6.20	43	573	Below Cal	#	69
38) Carbon Tetrachloride	7.03	117	93387	5.142	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	6338	1.412	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	212397	133.786	ug/l #	2

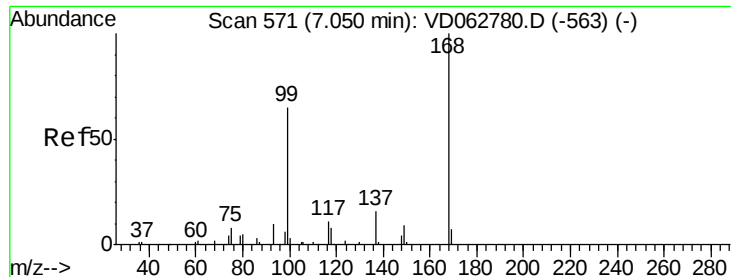
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
Data File : VD062994.D
Acq On : 1 Jul 2019 17:03
Operator : VA/AP
Sample : K3592-01
Misc : 6.23g/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 02 07:35:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062994.D

Acq: 1 Jul 2019 17:03

Instrument :

MSVOA_D

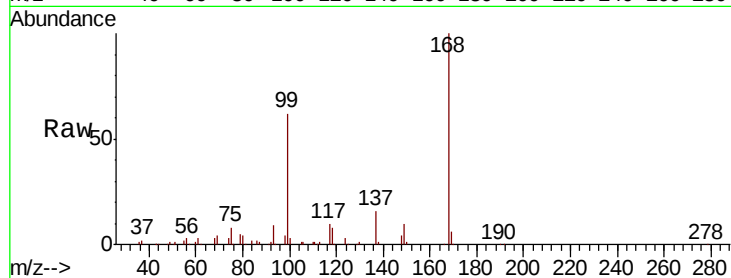
ClientSampleId :

Tot Ion:168 Resp: 967102

Ion Ratio Lower Upper

168 100

99 62.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

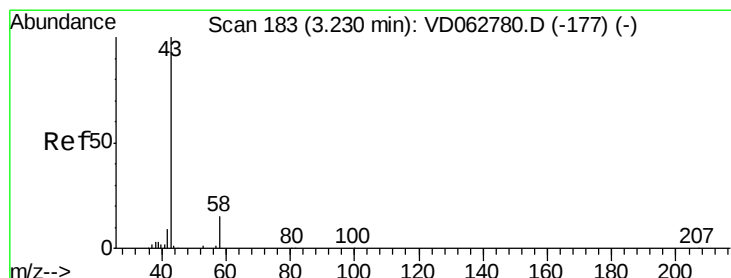
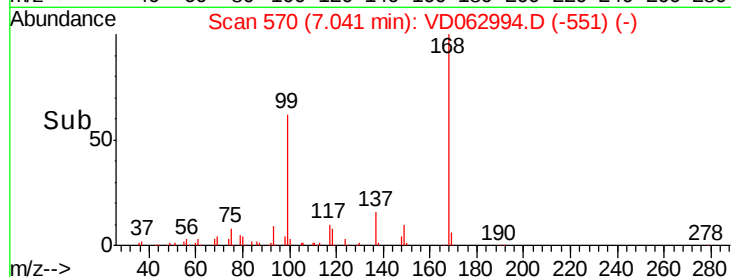
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 33.376 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062994.D

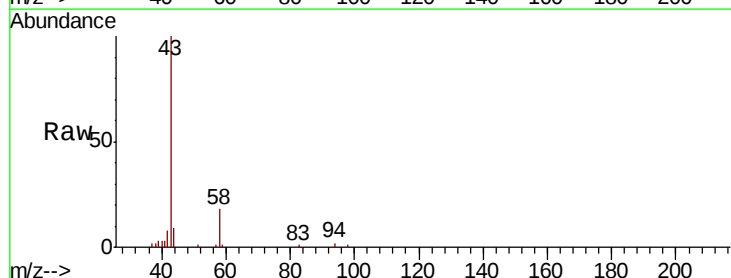
Acq: 1 Jul 2019 17:03

Tgt Ion: 43 Resp: 84074

Ion Ratio Lower Upper

43 100

58 18.1 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

30000

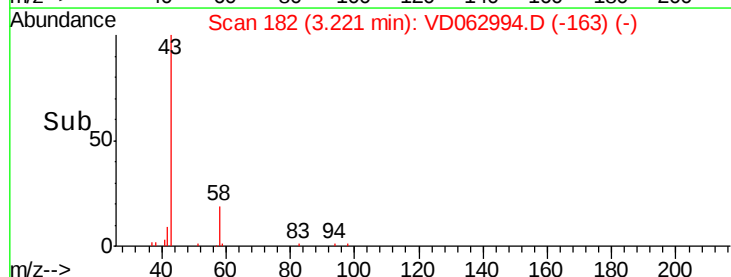
20000

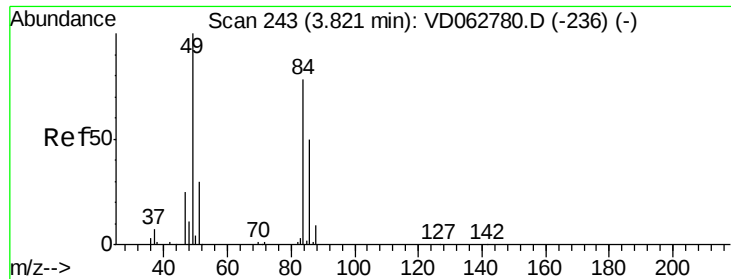
10000

0

3.10 3.20 3.30 3.40

Time-->

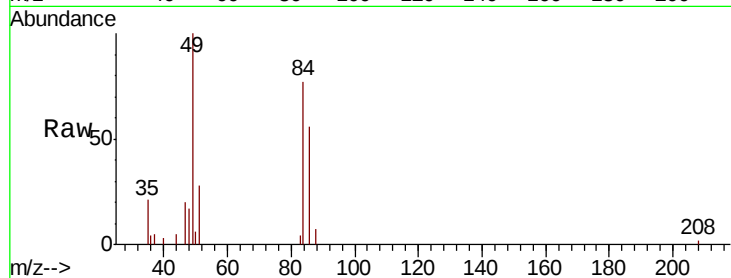




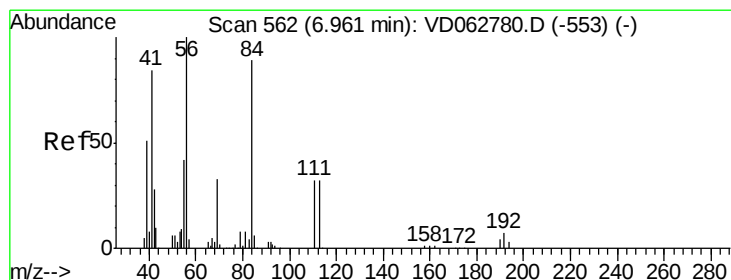
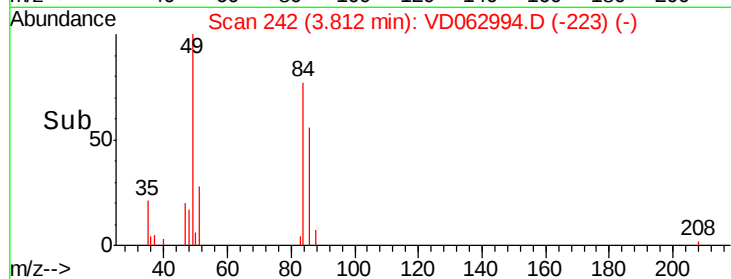
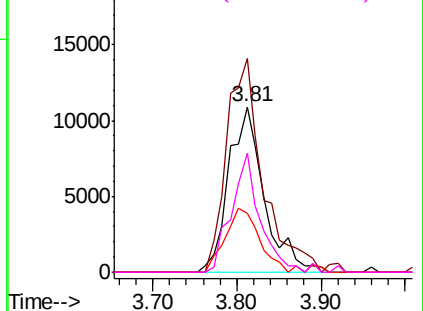
#20
Methylene Chloride
Concen: 3.985 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062994.D
Acq: 1 Jul 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 31946
Ion Ratio Lower Upper
84 100
49 129.1 102.9 154.3
51 35.5 31.2 46.8
86 71.9 51.4 77.2

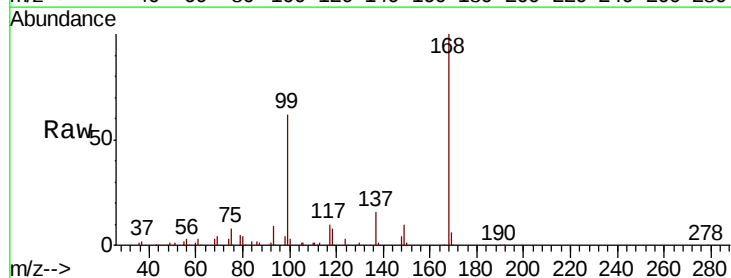


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

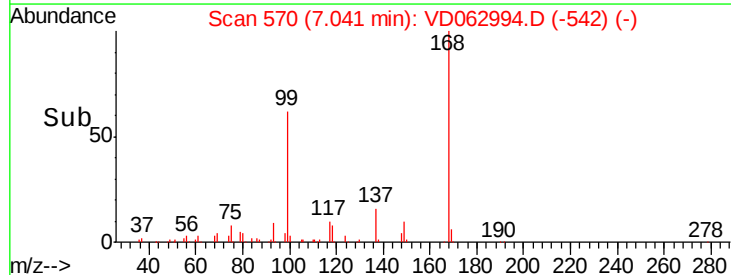
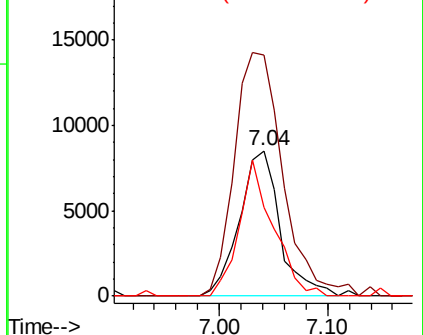


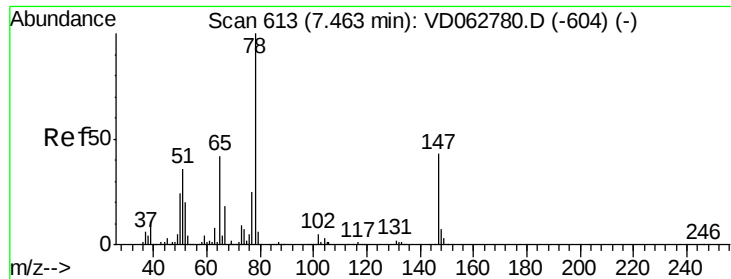
#31
Cyclohexane
Concen: 2.248 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD062994.D
Acq: 1 Jul 2019 17:03

Tgt Ion: 56 Resp: 22190
Ion Ratio Lower Upper
56 100
69 166.4 26.6 39.8#
84 61.3 75.5 113.3#



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: 47.965 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062994.D

Acq: 1 Jul 2019 17:03

Instrument :

MSVOA_D

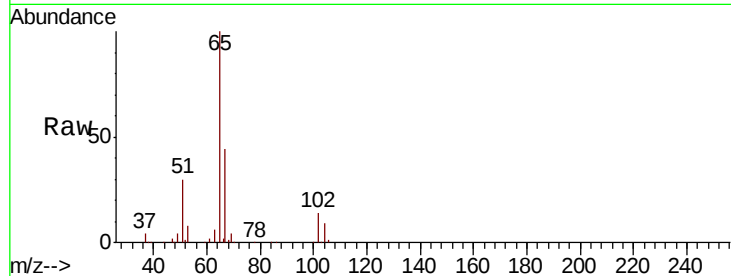
ClientSampled :

Tot Ion: 65 Resp: 504221

Ion Ratio Lower Upper

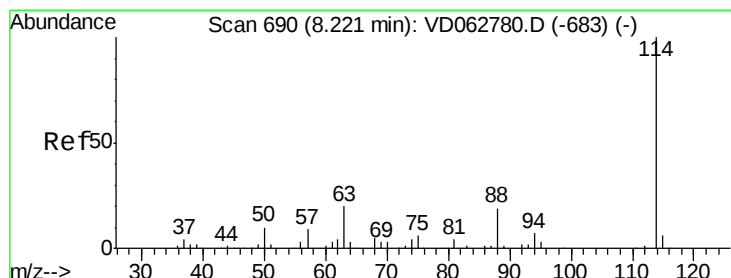
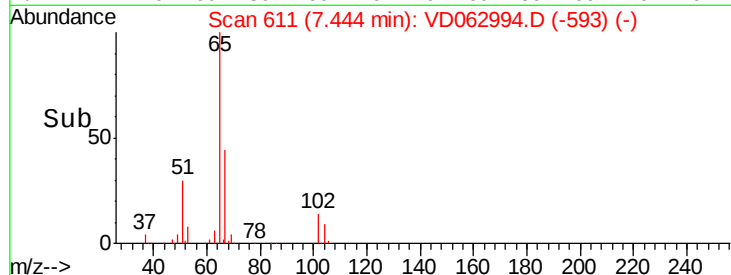
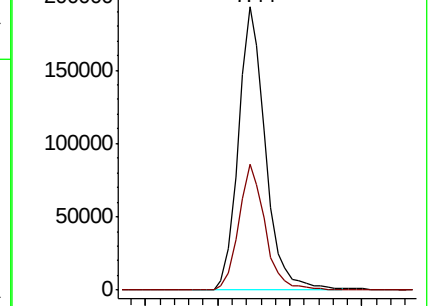
65 100

67 44.5 0.0 87.4



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. -0.01 min

Lab File: VD062994.D

Acq: 1 Jul 2019 17:03

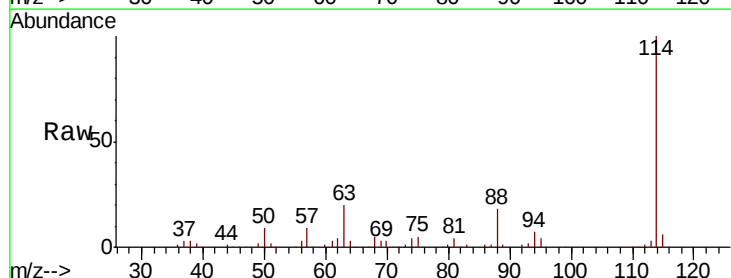
Tgt Ion: 114 Resp: 1275666

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

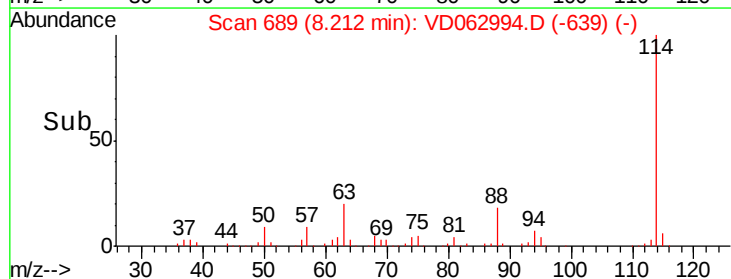
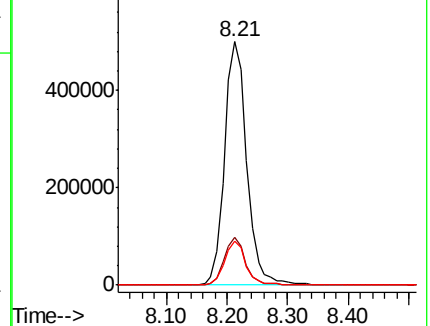
88 18.3 0.0 38.8

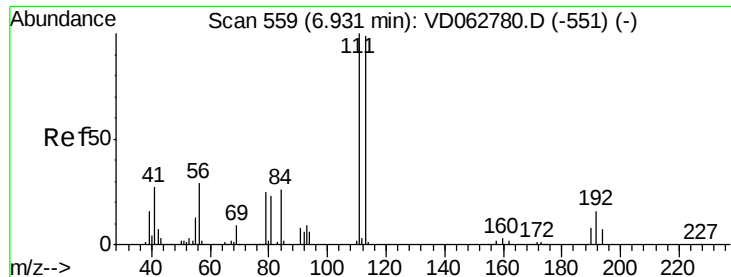


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

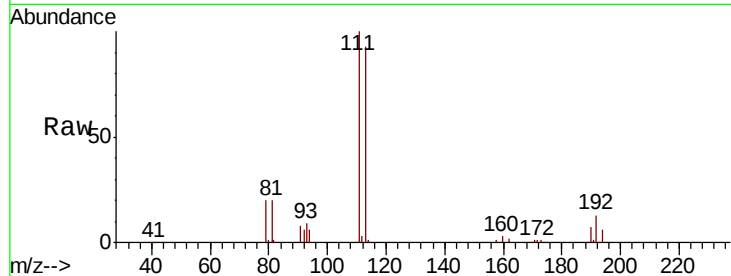




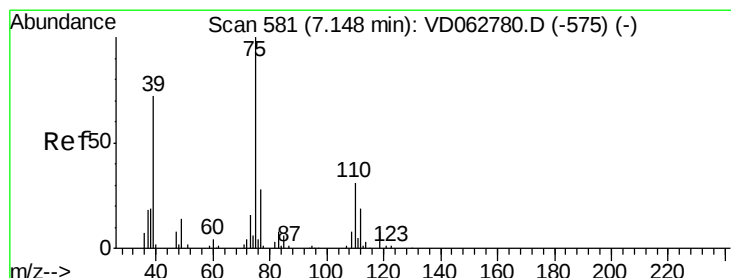
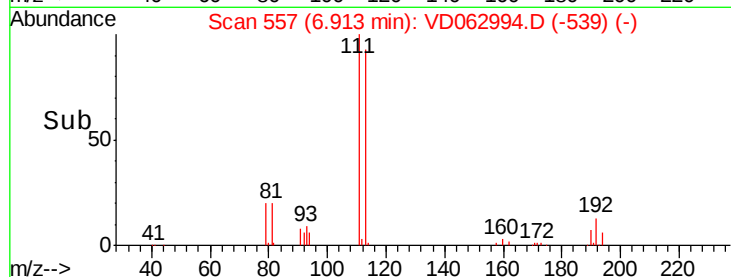
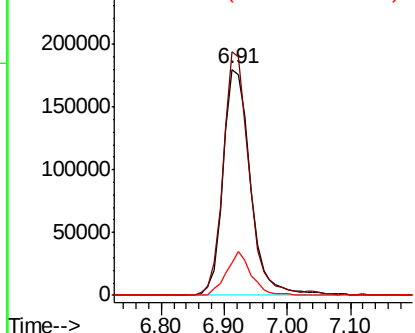
#35
Dibromofluoromethane
Concen: 50.442 ug/l
RT: 6.91 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD062994.D
Acq: 1 Jul 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 542570
Ion Ratio Lower Upper
113 100
111 107.7 81.2 121.8
192 14.5 12.9 19.3

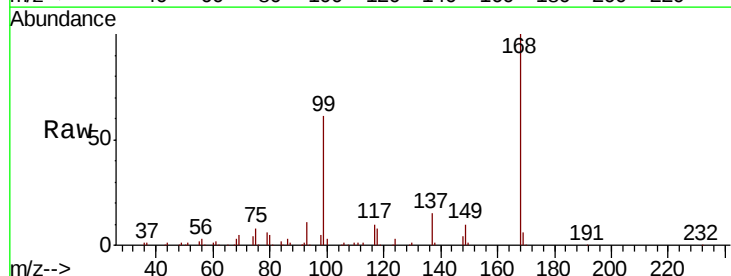


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

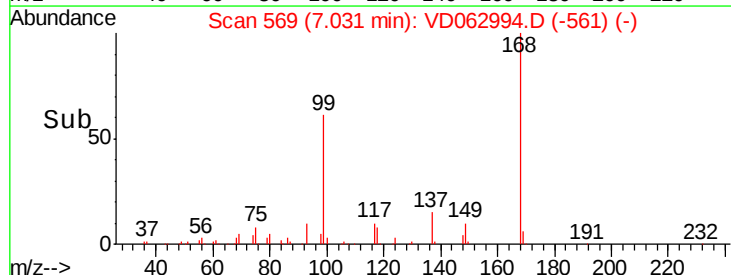
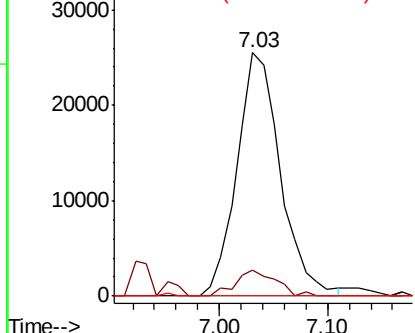


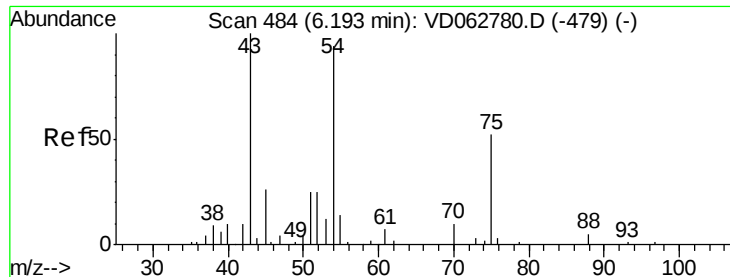
#36
1,1-Dichloropropene
Concen: 5.914 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.12 min
Lab File: VD062994.D
Acq: 1 Jul 2019 17:03

Tgt Ion: 75 Resp: 71416
Ion Ratio Lower Upper
75 100
110 10.6 15.0 45.1#
77 0.0 22.2 33.2#



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

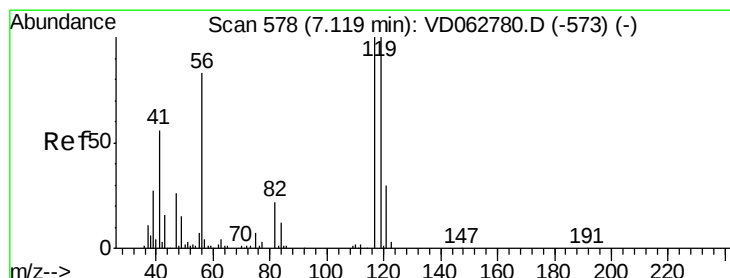
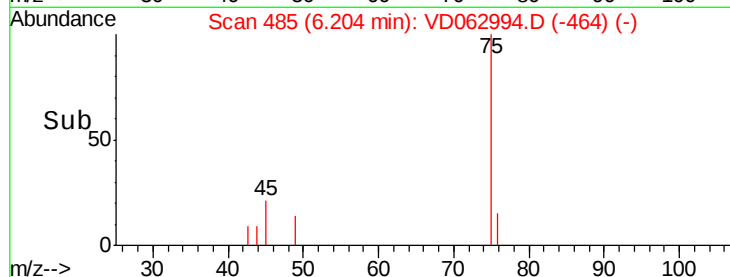
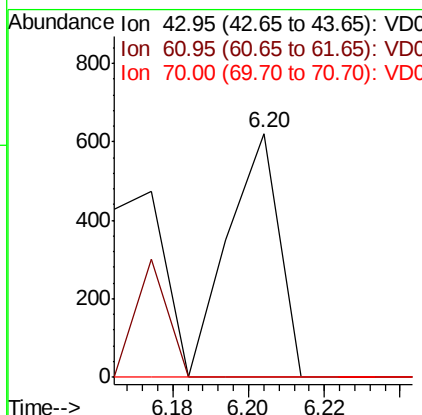
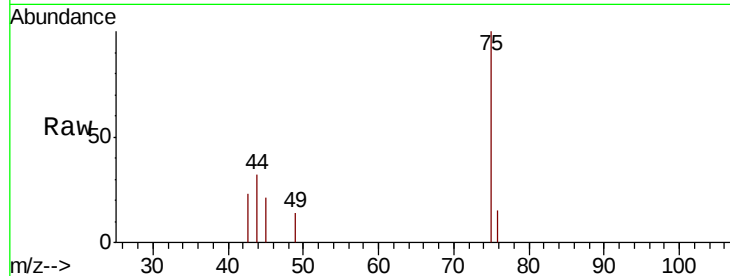




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD062994.D
Acq: 1 Jul 2019 17:03

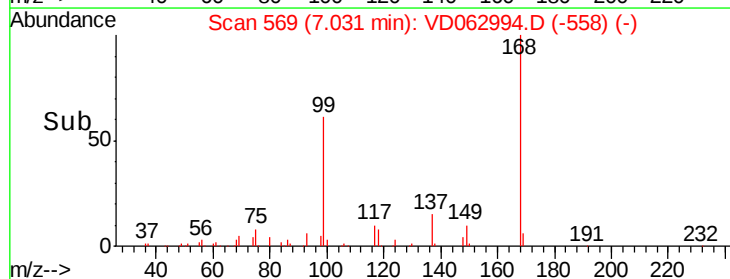
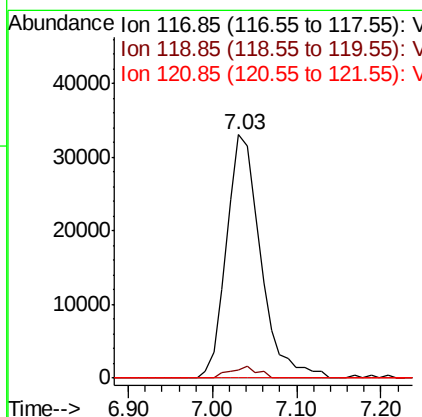
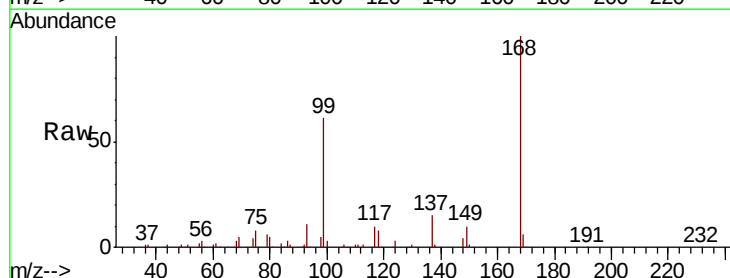
Instrument :
MSVOA_D
ClientSampleId :

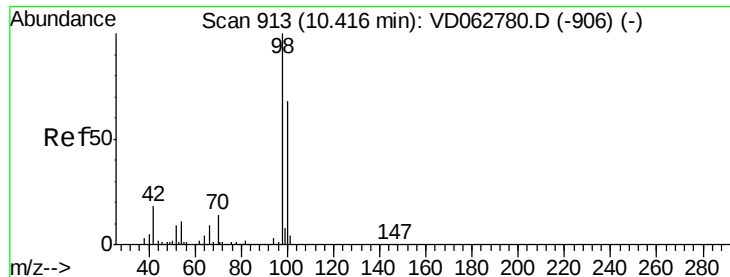
Tot Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 5.142 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.09 min
Lab File: VD062994.D
Acq: 1 Jul 2019 17:03

Tgt Ion: 117 Resp: 93387
Ion Ratio Lower Upper
117 100
119 3.3 75.4 113.2#
121 0.0 22.3 33.5#

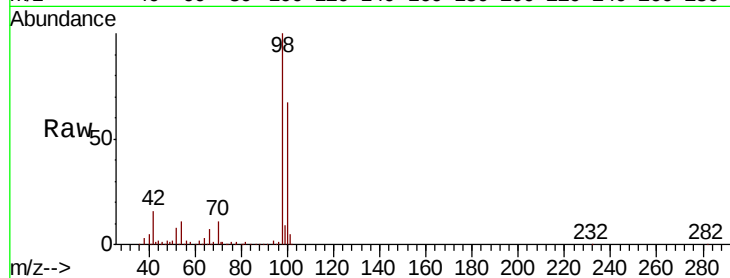




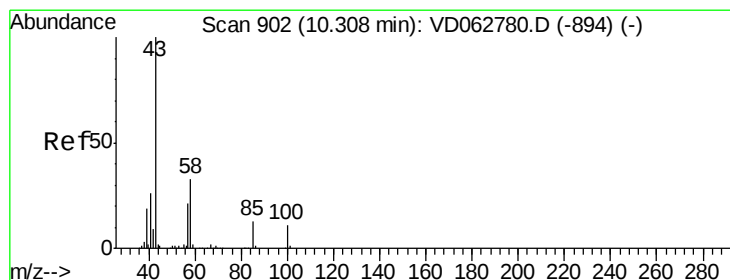
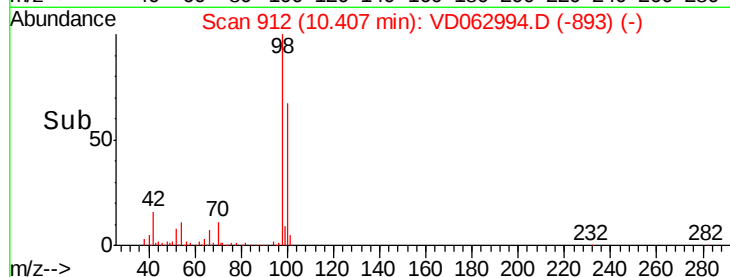
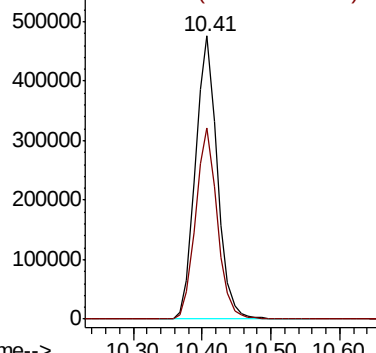
#50
Toluene-d8
Concen: 44.658 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062994.D
Acq: 1 Jul 2019 17:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1045471
Ion Ratio Lower Upper
98 100
100 67.3 54.7 82.1

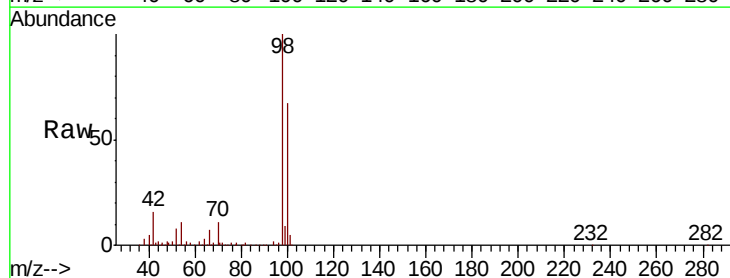


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

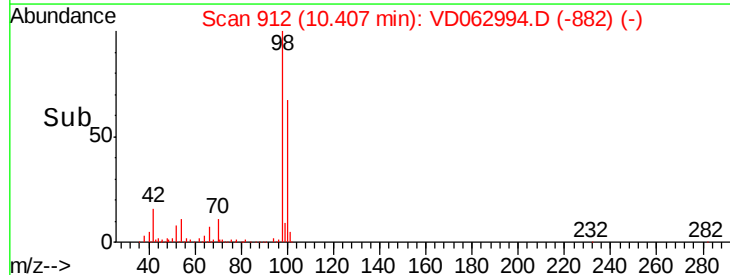
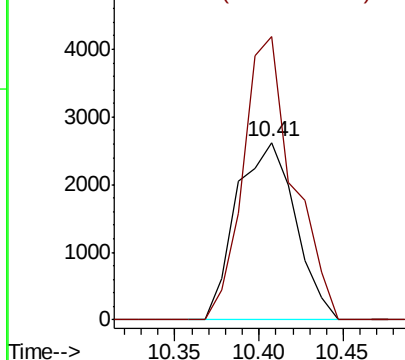


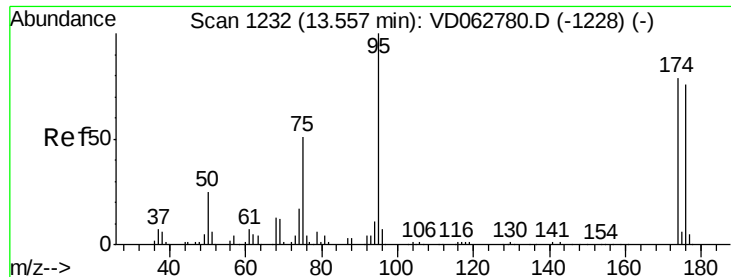
#51
4-Methyl-2-Pentanone
Concen: 1.412 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.10 min
Lab File: VD062994.D
Acq: 1 Jul 2019 17:03

Tgt Ion: 43 Resp: 6338
Ion Ratio Lower Upper
43 100
58 159.5 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 43.584 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062994.D

Acq: 1 Jul 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

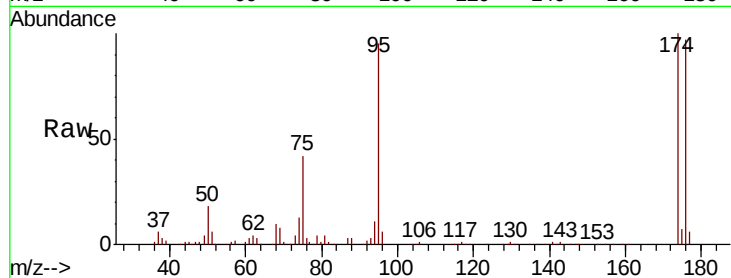
Tot Ion: 95 Resp: 463959

Ion Ratio Lower Upper

95 100

174 105.0 0.0 158.0

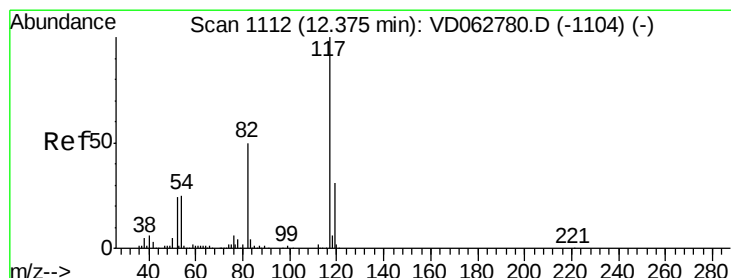
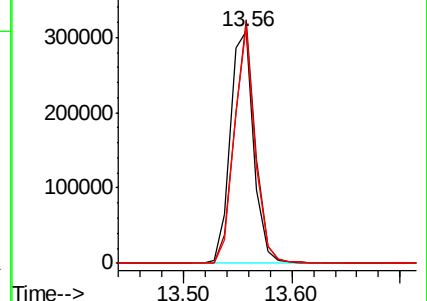
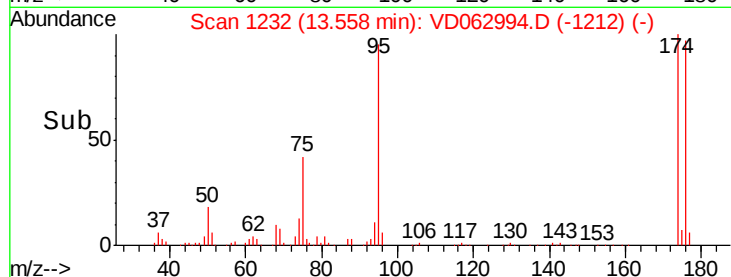
176 102.1 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.37 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD062994.D

Acq: 1 Jul 2019 17:03

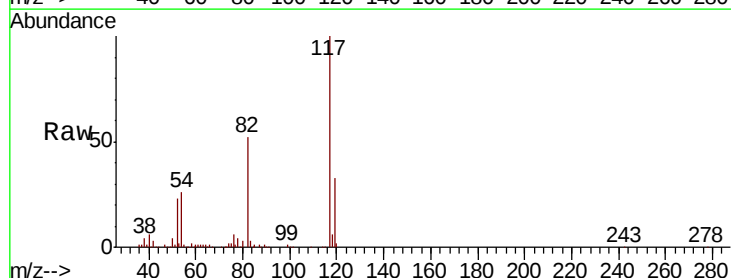
Tgt Ion: 117 Resp: 1090384

Ion Ratio Lower Upper

117 100

82 52.1 40.4 60.6

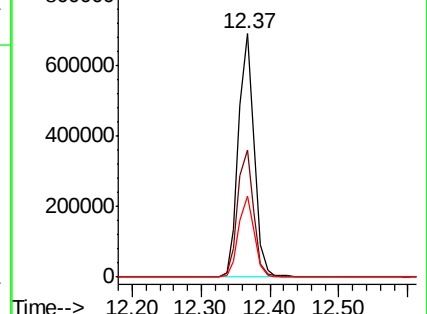
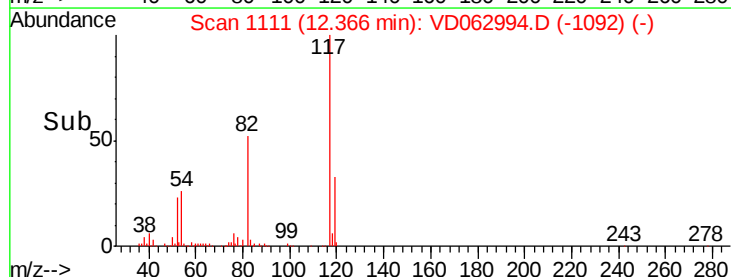
119 33.4 25.2 37.8

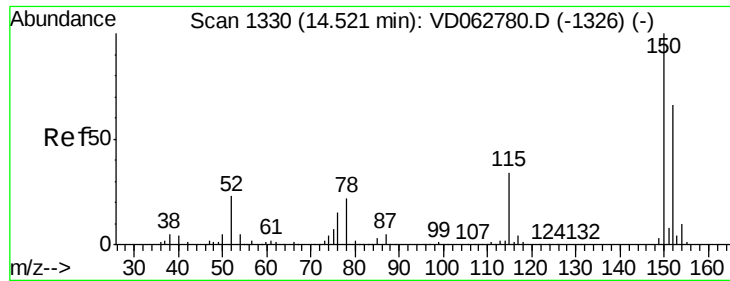


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



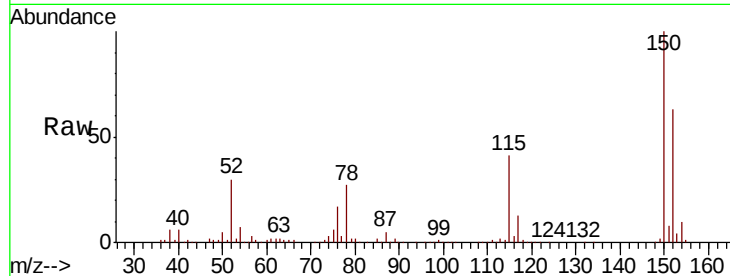


#72

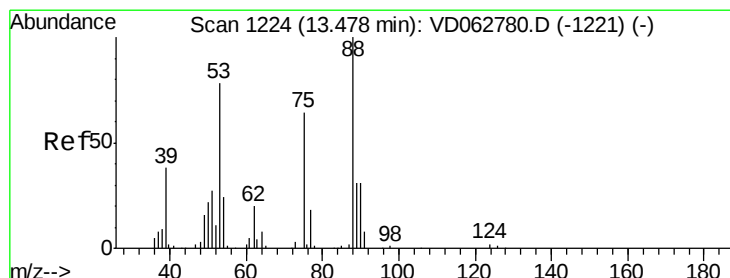
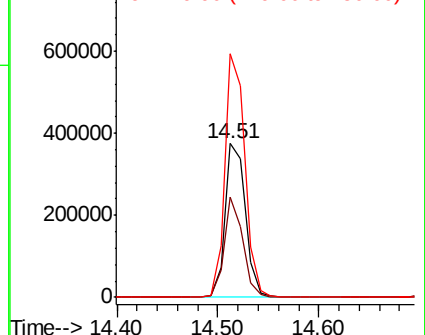
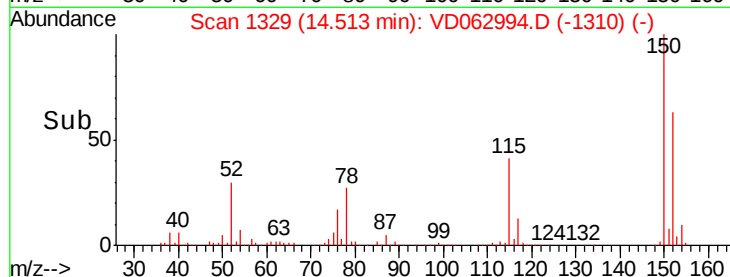
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062994.D
Acq: 1 Jul 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 524721
Ion Ratio Lower Upper
152 100
115 64.9 29.2 87.6
150 158.2 0.0 305.8



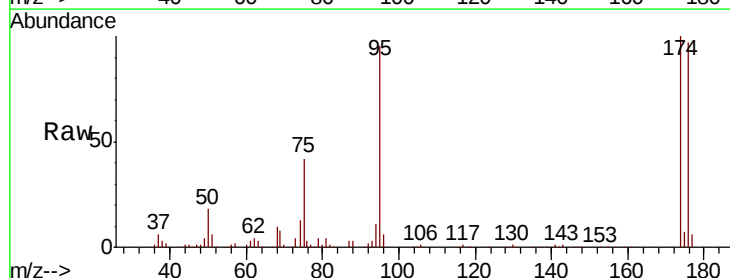
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 133.786 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD062994.D
Acq: 1 Jul 2019 17:03

Tgt Ion: 75 Resp: 212397
Ion Ratio Lower Upper
75 100
53 0.0 97.8 146.8#
89 0.0 39.4 59.2#



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

