

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063006.D
 Acq On : 2 Jul 2019 17:00
 Operator : VA/AP
 Sample : K3618-01
 Misc : 6.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 03 00:57:42 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	7.05	168	969259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1356441	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1051984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	422368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	473229	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	
35) Dibromofluoromethane	6.94	113	518123	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
50) Toluene-d8	10.42	98	993716	39.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.84%	
62) 4-Bromofluorobenzene	13.56	95	408734	36.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.22%	

Target Compounds

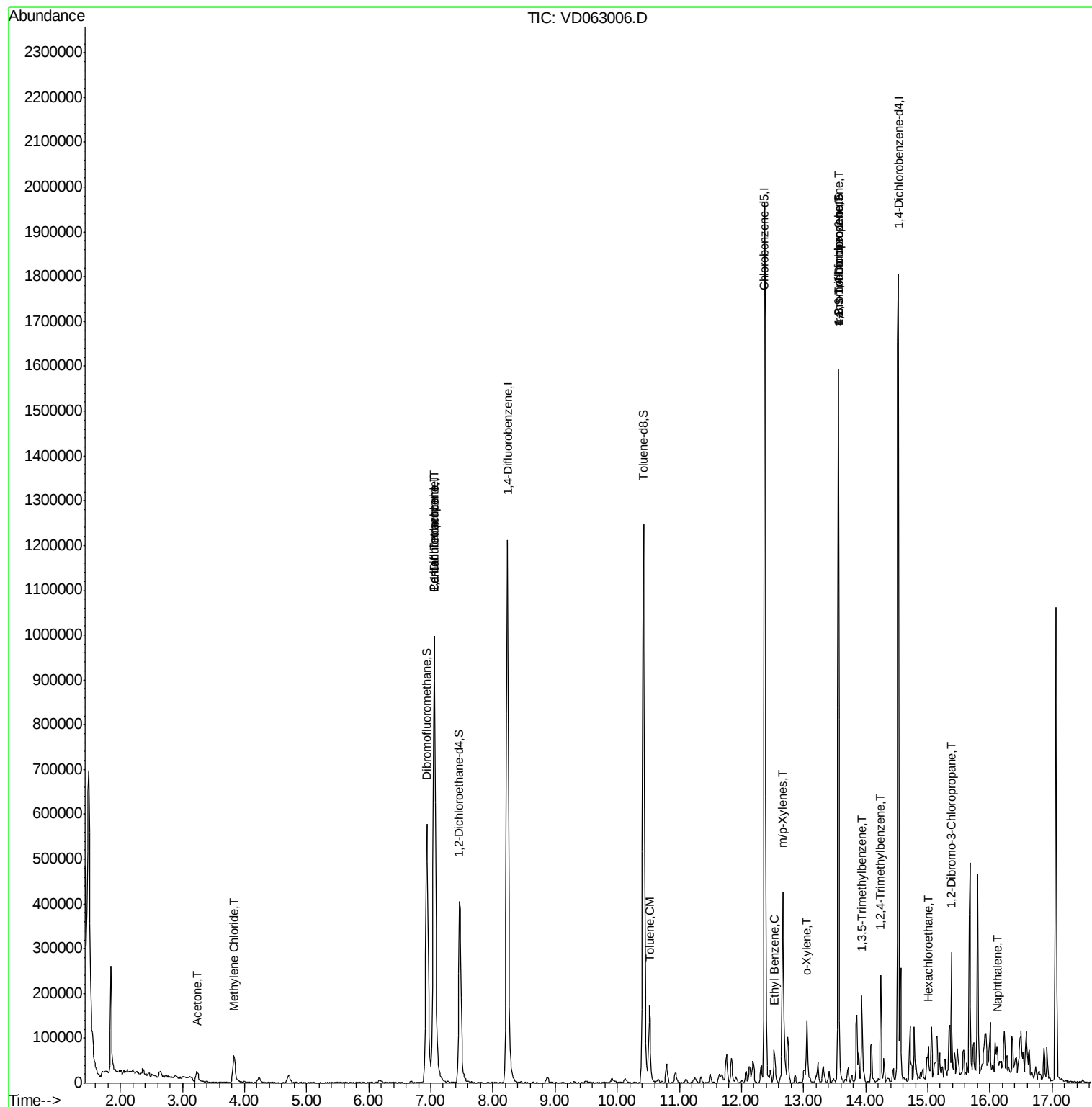
						Qvalue
16) Acetone	3.24	43	50130	16.942	ug/l	94
20) Methylene Chloride	3.82	84	39523	4.919	ug/l #	73
36) 1,1-Dichloropropene	7.05	75	74017	5.764	ug/l #	53
37) Ethyl Acetate	6.17	43	727	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	95700	4.956	ug/l #	15
52) Toluene	10.52	92	81223	4.688	ug/l	100
67) Ethyl Benzene	12.53	91	43853	1.251	ug/l	96
68) m/p-Xylenes	12.67	106	105228	8.619	ug/l	99
69) o-Xylene	13.06	106	30083	2.696	ug/l	99
76) 1,2,3-Trichloropropane	13.56	75	131345	26.937	ug/l #	47
80) 1,3,5-Trimethylbenzene	13.94	105	79143	3.479	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.56	75	191267	149.672	ug/l #	2
84) 1,2,4-Trimethylbenzene	14.24	105	98125	4.209	ug/l	97
90) Hexachloroethane	15.00	117	8486	1.252	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	15.38	75	894	1.038	ug/l #	14
95) Naphthalene	16.13	128	18217	1.489	ug/l #	81

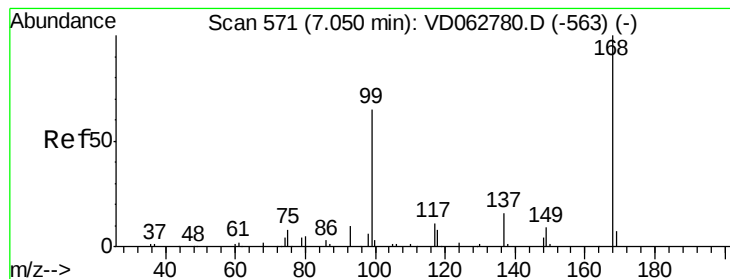
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063006.D

Acq: 2 Jul 2019 17:00

Instrument :

MSVOA_D

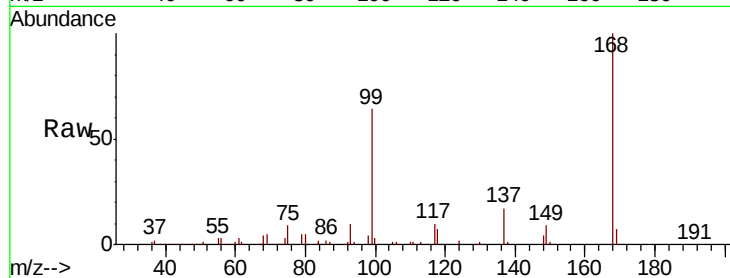
ClientSampleId :

Tot Ion:168 Resp: 969259

Ion Ratio Lower Upper

168 100

99 63.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

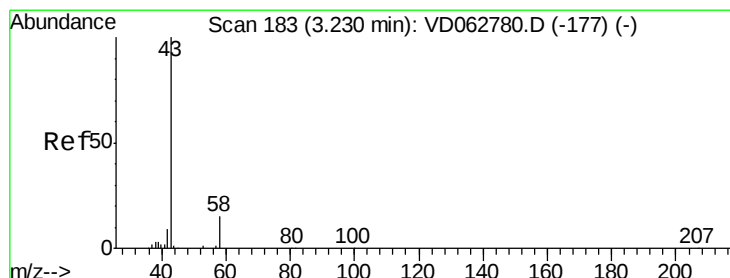
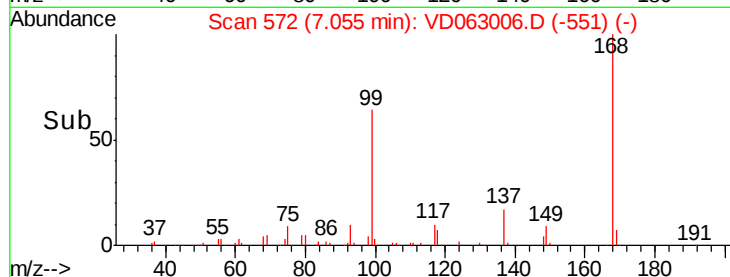
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 16.942 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD063006.D

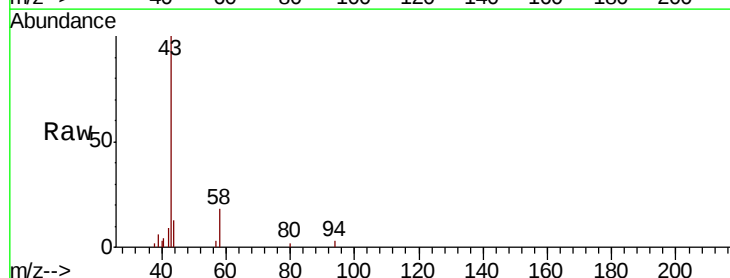
Acq: 2 Jul 2019 17:00

Tgt Ion: 43 Resp: 50130

Ion Ratio Lower Upper

43 100

58 17.5 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

20000

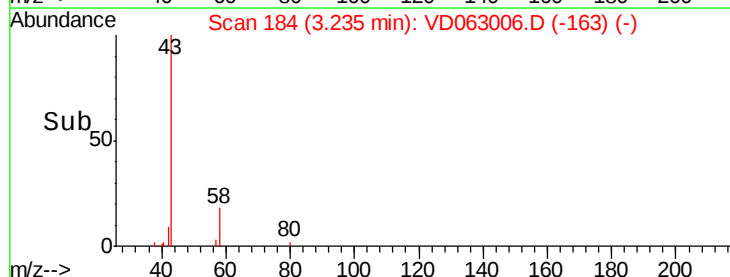
15000

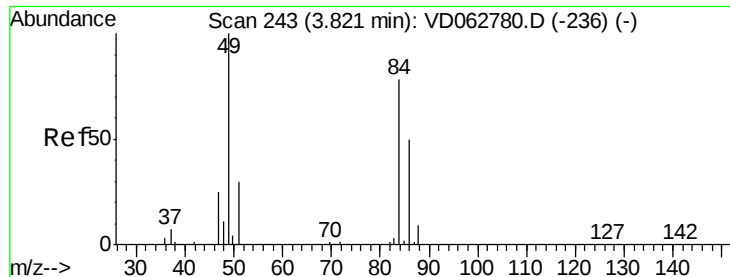
10000

5000

0

Time-->

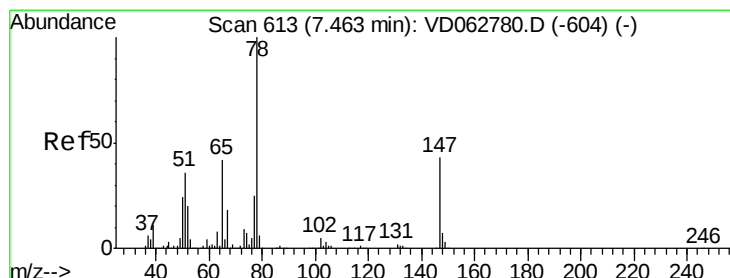
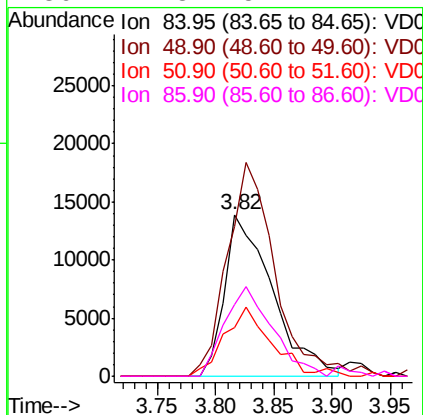
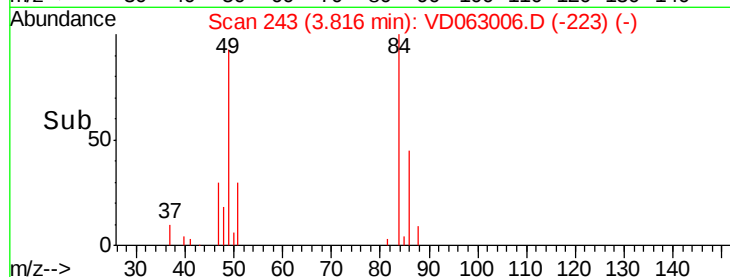
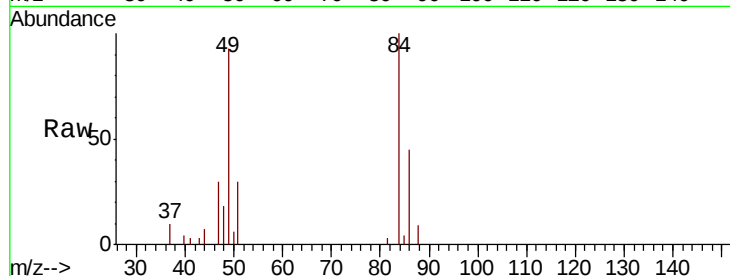




#20
Methvlene Chloride
Concen: 4.919 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

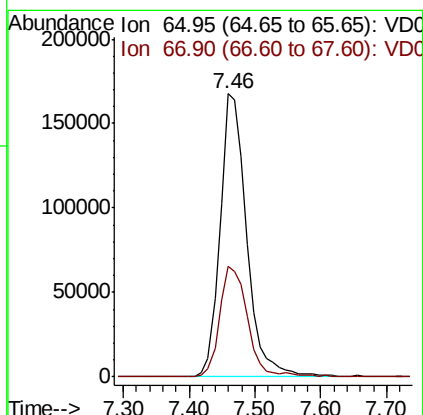
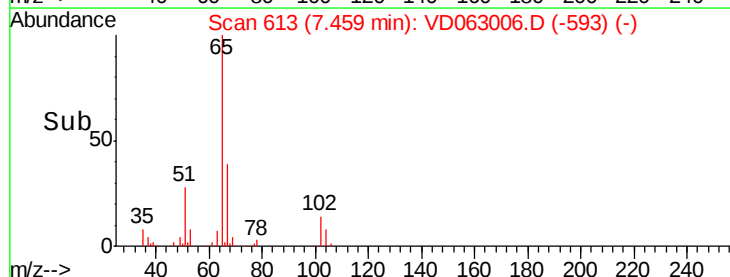
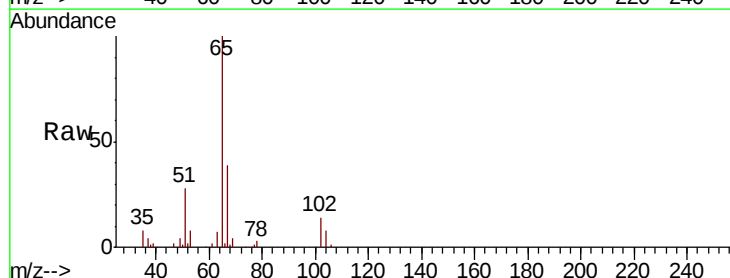
Instrument :
MSVOA_D
ClientSampleId :

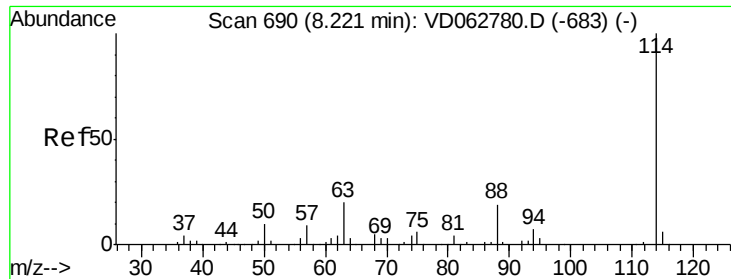
Tot Ion: 84 Resp: 39523
Ion Ratio Lower Upper
84 100
49 92.7 102.9 154.3#
51 29.8 31.2 46.8#
86 44.8 51.4 77.2#



#33
1,2-Dichloroethane-d4
Concen: 44.917 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

Tgt Ion: 65 Resp: 473229
Ion Ratio Lower Upper
65 100
67 39.0 0.0 87.4

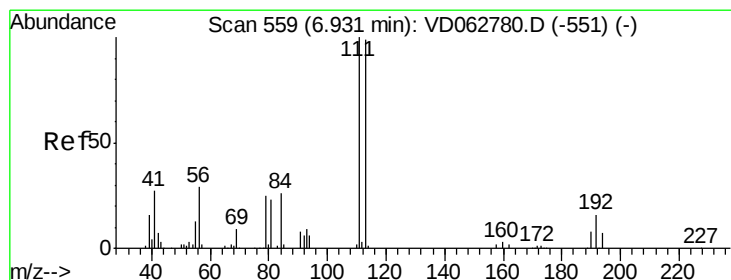
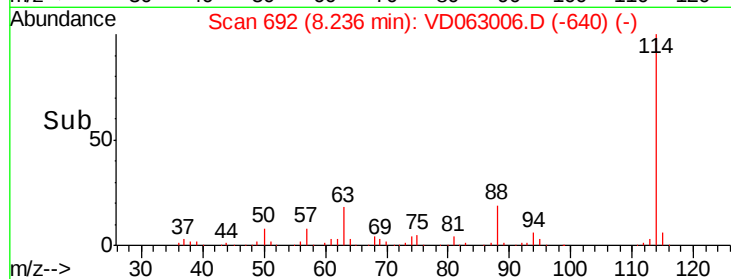
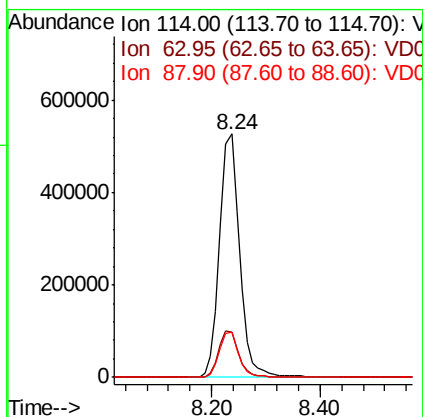
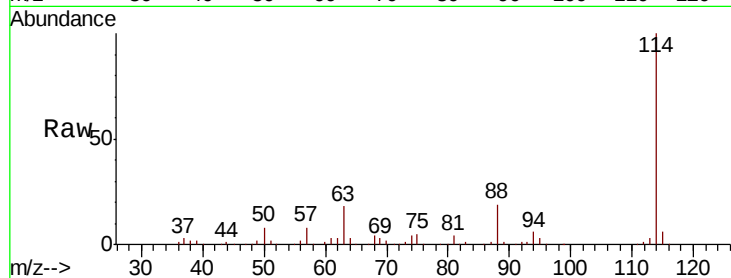




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD063006.D
 Acq: 2 Jul 2019 17:00

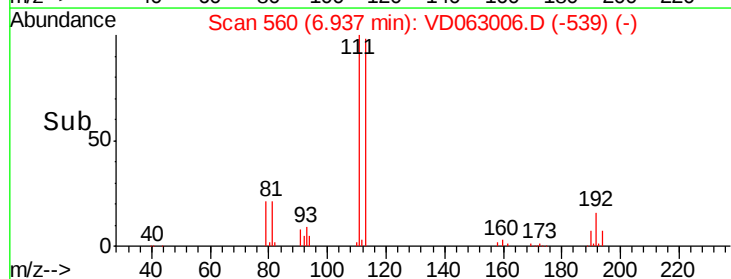
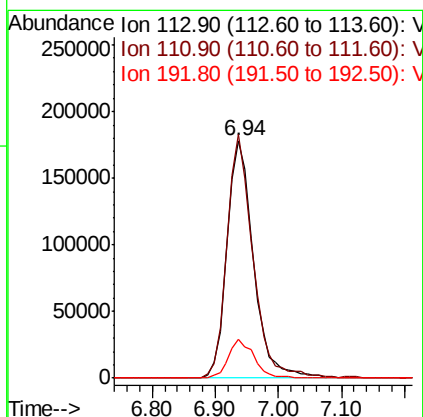
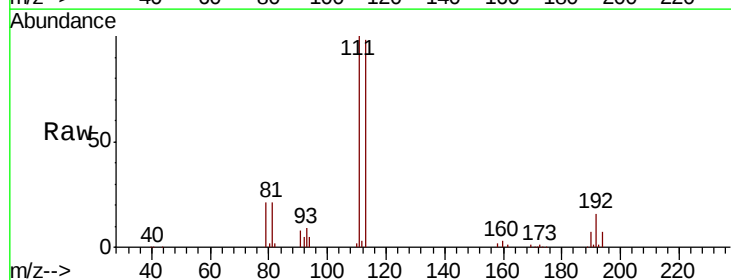
Instrument :
 MSVOA_D
 ClientSampleId :

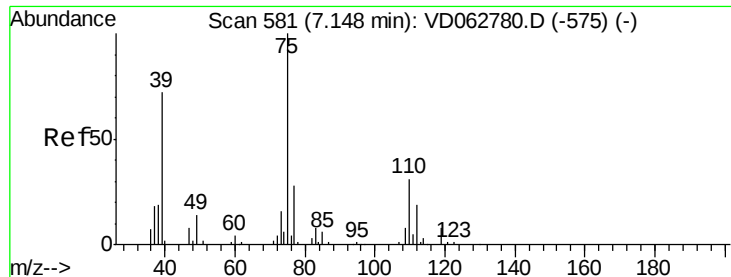
Tot Ion:114 Resp: 1356441
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 40.0
 88 18.6 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 45.301 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD063006.D
 Acq: 2 Jul 2019 17:00

Tgt Ion:113 Resp: 518123
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.2 121.8
 192 16.2 12.9 19.3





#36

1,1-Dichloropropene

Concen: 5.764 ug/l

RT: 7.05 min Scan# 572

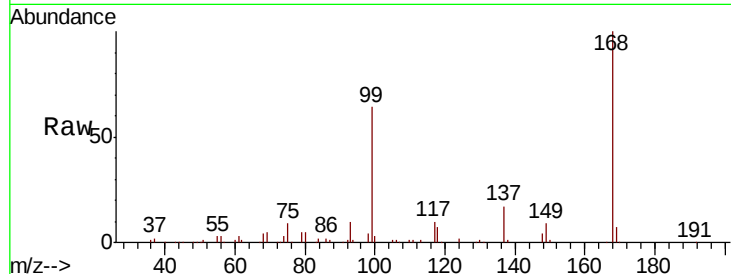
Delta R.T. -0.09 min

Lab File: VD063006.D

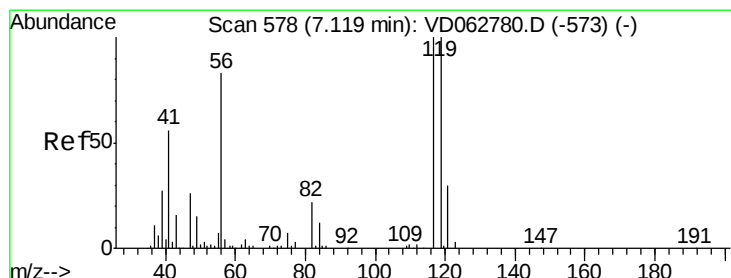
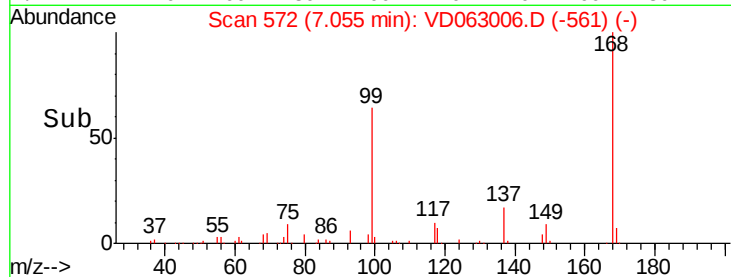
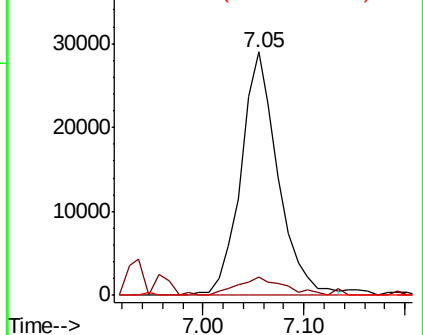
Acq: 2 Jul 2019 17:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	75	Resp:	74017
Ion	Ratio	Lower	Upper
75	100		
110	7.7	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): VDC
Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 4.956 ug/l

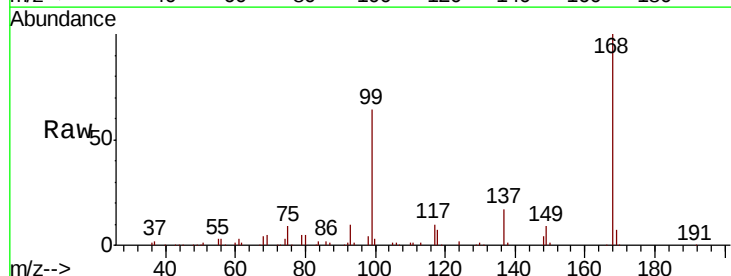
RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

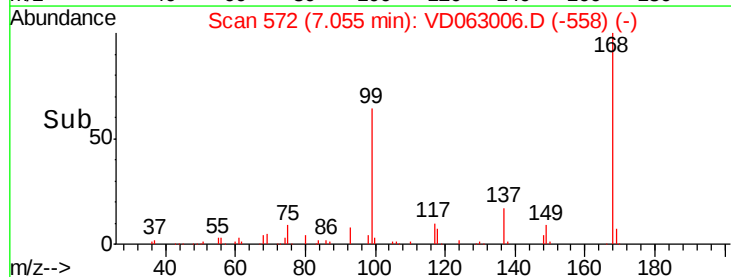
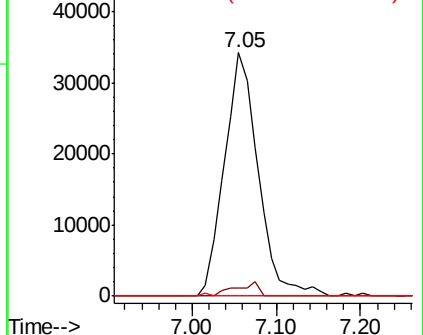
Lab File: VD063006.D

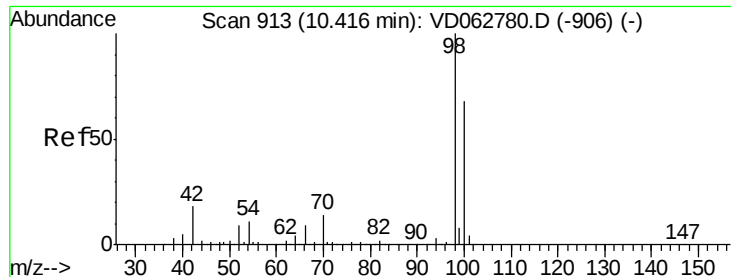
Acq: 2 Jul 2019 17:00

Tgt Ion:	117	Resp:	95700
Ion	Ratio	Lower	Upper
117	100		
119	3.1	75.4	113.2#
121	0.0	22.3	33.5#



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

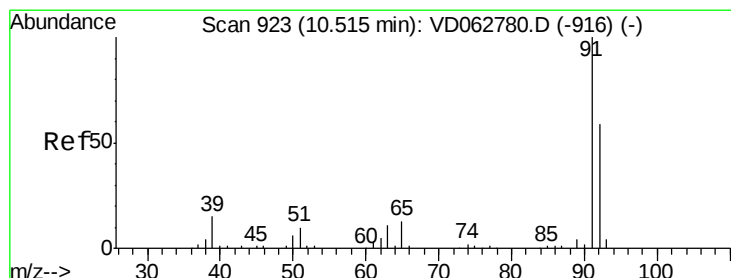
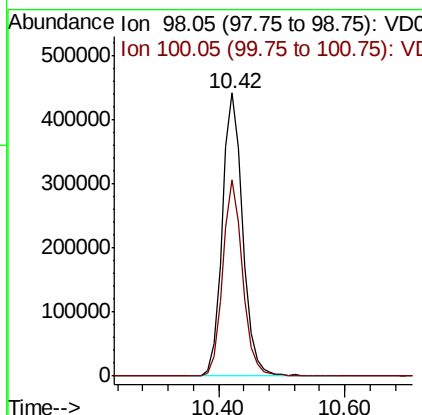
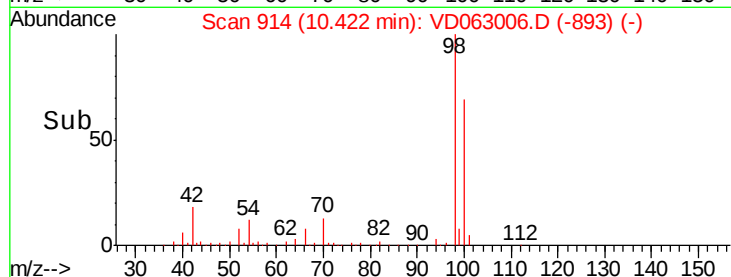
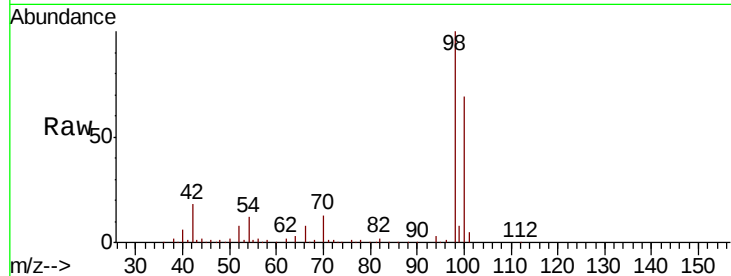




#50
Toluene-d8
Concen: 39.919 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

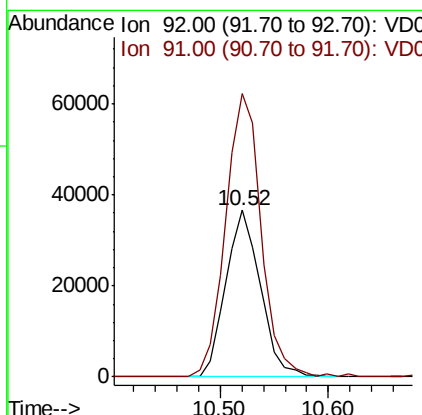
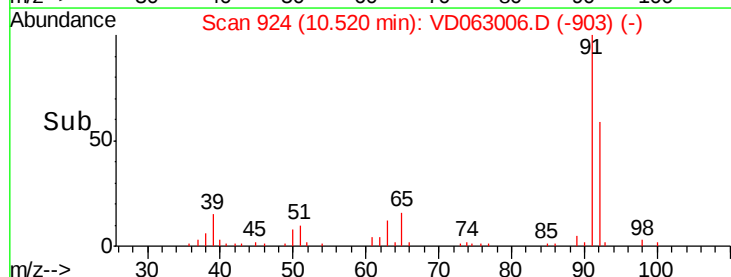
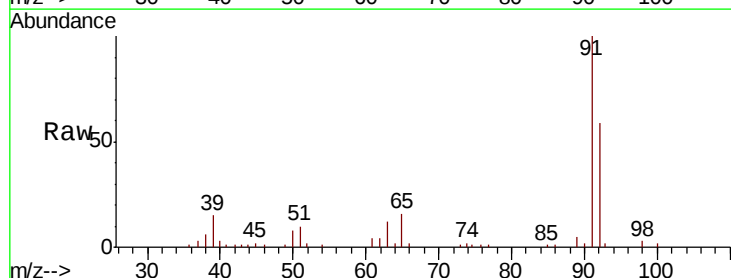
Instrument :
MSVOA_D
ClientSampled :

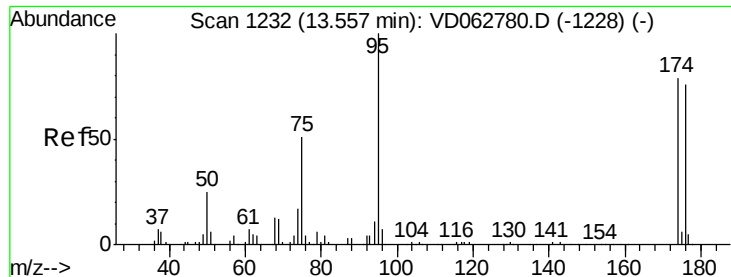
Tot Ion: 98 Resp: 993716
Ion Ratio Lower Upper
98 100
100 69.4 54.7 82.1



#52
Toluene
Concen: 4.688 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.01 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

Tgt Ion: 92 Resp: 81223
Ion Ratio Lower Upper
92 100
91 169.9 136.3 204.5





#62

4-Bromofluorobenzene

Concen: 36.110 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063006.D

Acq: 2 Jul 2019 17:00

Instrument :

MSVOA_D

ClientSampleId :

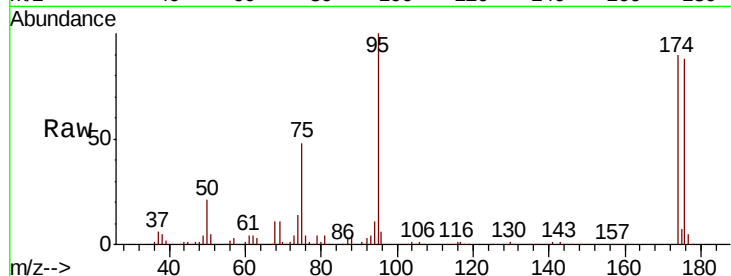
Tot Ion: 95 Resp: 408734

Ion Ratio Lower Upper

95 100

174 89.6 0.0 158.0

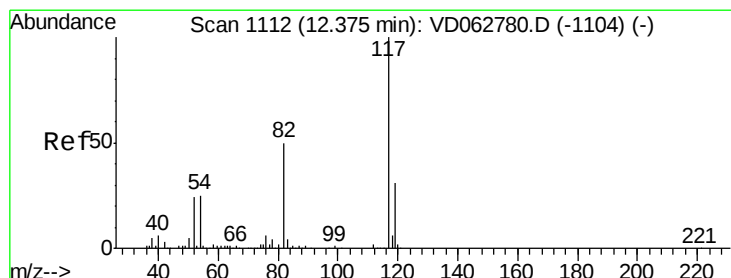
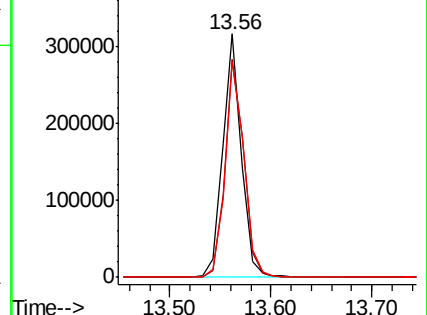
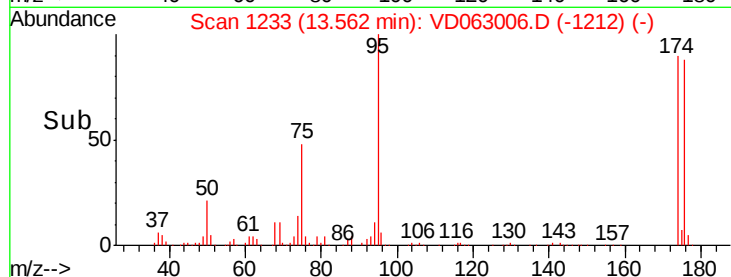
176 88.3 0.0 151.6



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# 1112

Delta R.T. -0.00 min

Lab File: VD063006.D

Acq: 2 Jul 2019 17:00

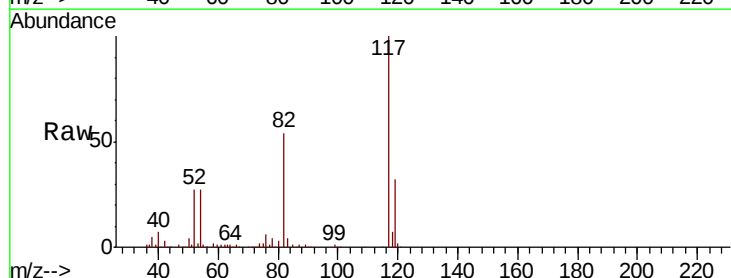
Tgt Ion: 117 Resp: 1051984

Ion Ratio Lower Upper

117 100

82 54.3 40.4 60.6

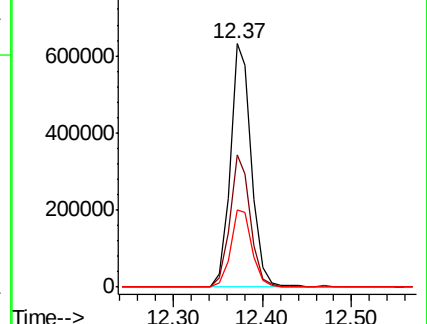
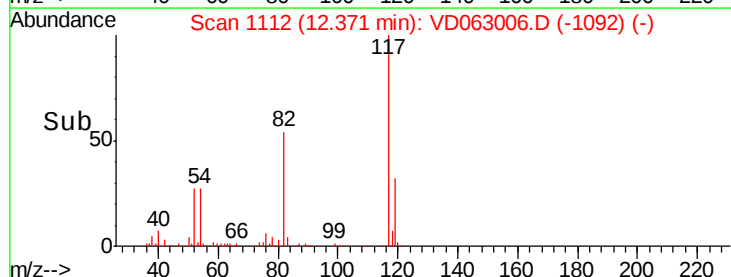
119 31.6 25.2 37.8

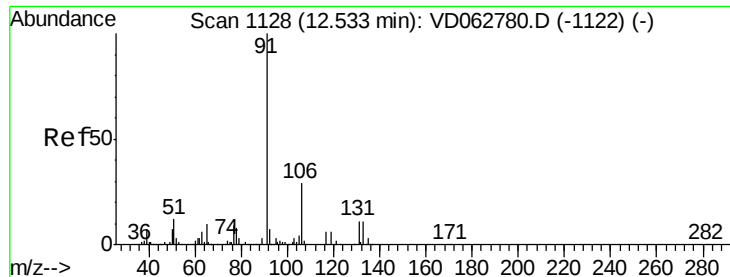


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#67

Ethyl Benzene

Concen: 1.251 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VD063006.D

Acq: 2 Jul 2019 17:00

Instrument :

MSVOA_D

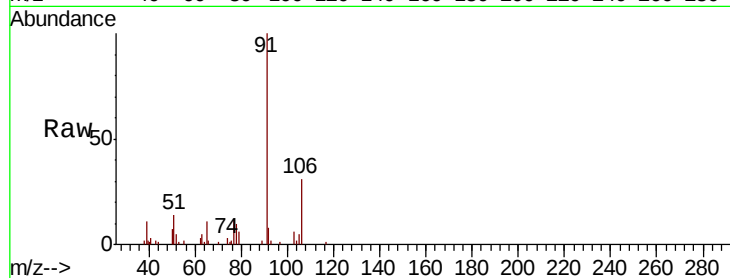
ClientSampleId :

Tot Ion: 91 Resp: 43853

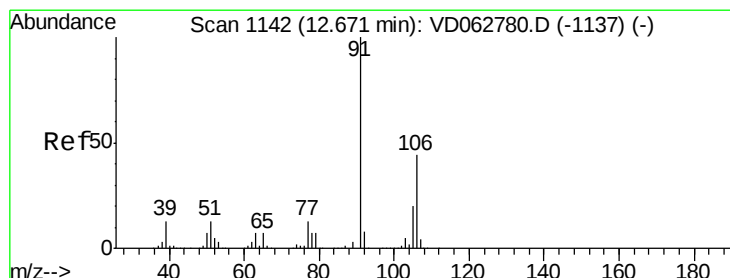
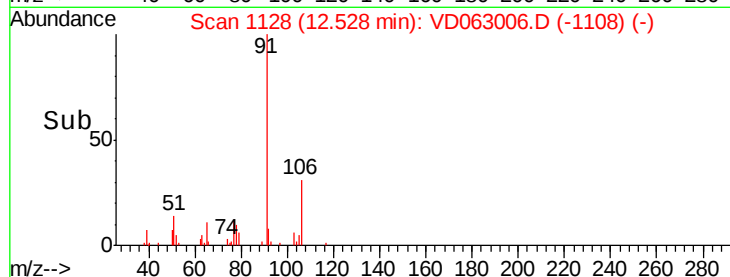
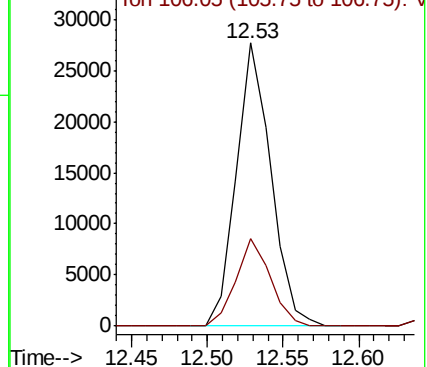
Ion Ratio Lower Upper

91 100

106 30.9 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1122) (-)



#68

m/p-Xylenes

Concen: 8.619 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VD063006.D

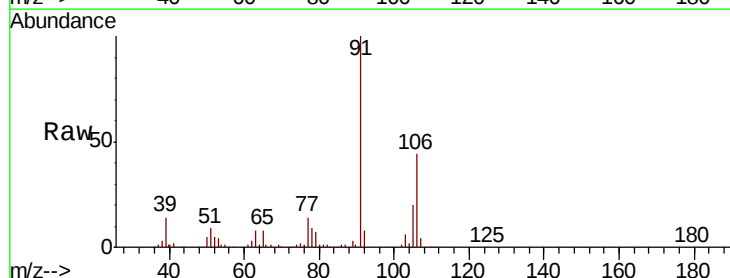
Acq: 2 Jul 2019 17:00

Tgt Ion: 106 Resp: 105228

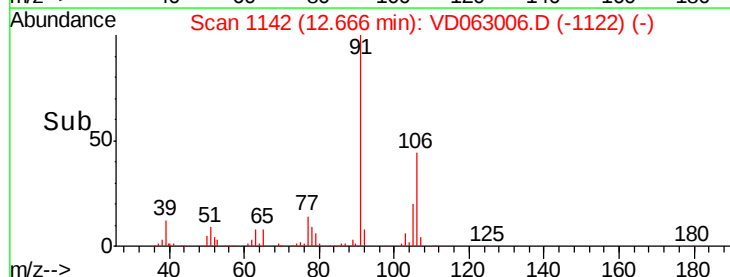
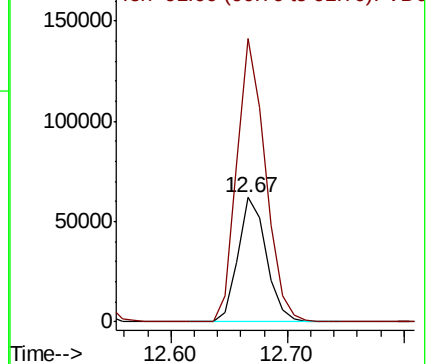
Ion Ratio Lower Upper

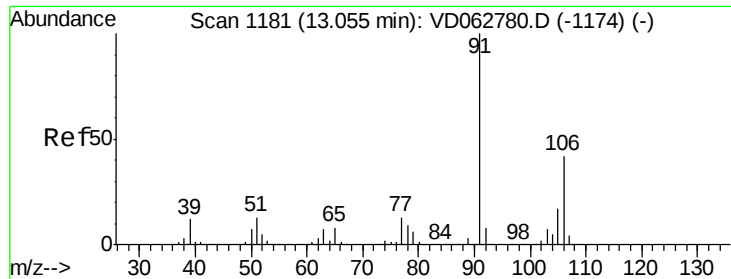
106 100

91 228.0 183.0 274.6



Abundance Ion 106.05 (105.75 to 106.75): VD062780.D (-1137) (-)

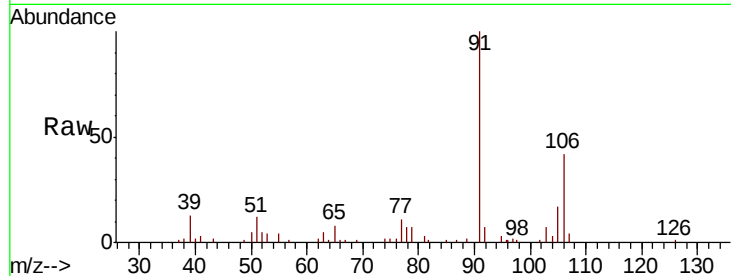




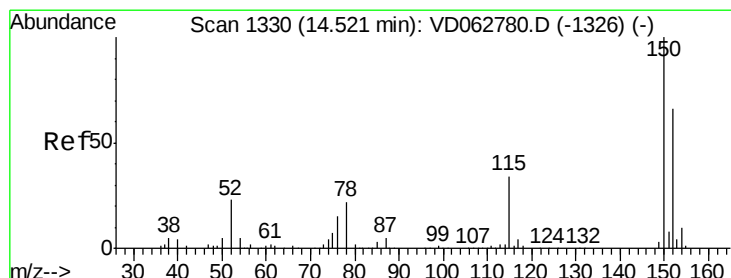
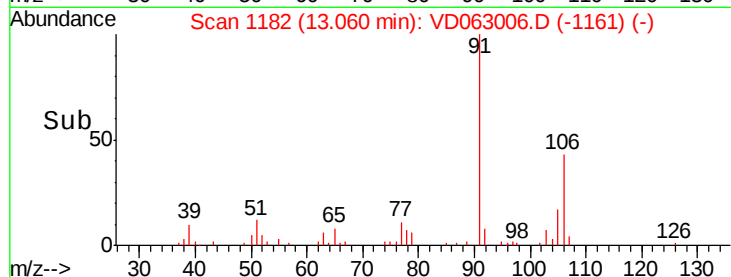
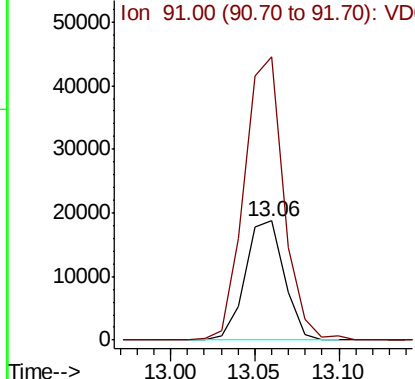
#69
o-Xylene
Concen: 2.696 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 30083
Ion Ratio Lower Upper
106 100
91 237.3 117.9 353.6

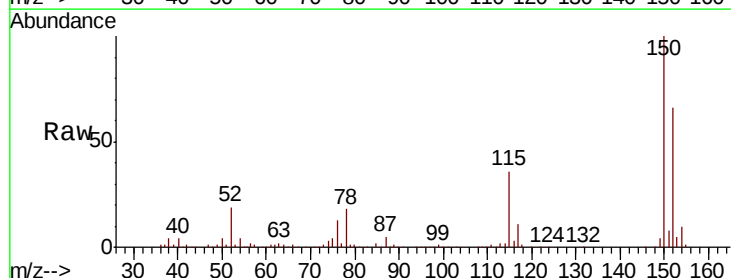


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

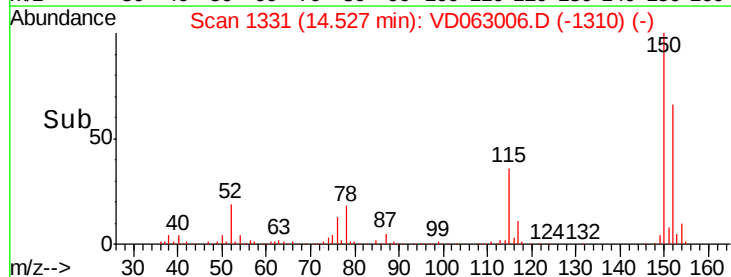
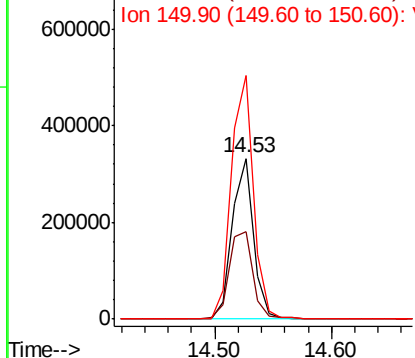


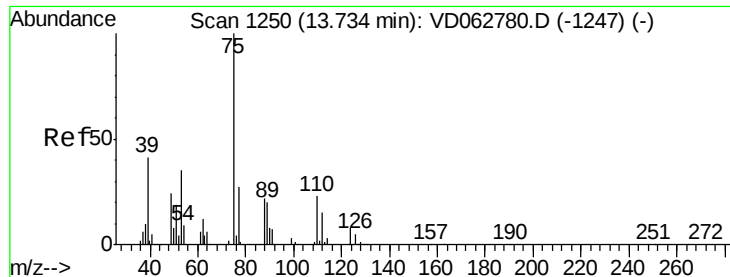
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

Tgt Ion:152 Resp: 422368
Ion Ratio Lower Upper
152 100
115 54.7 29.2 87.6
150 151.8 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

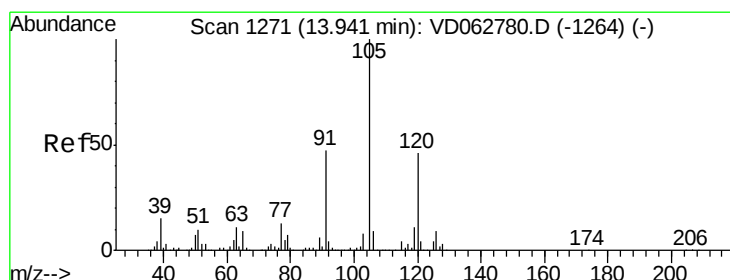
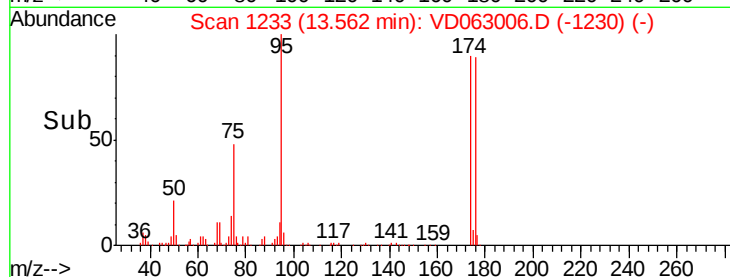
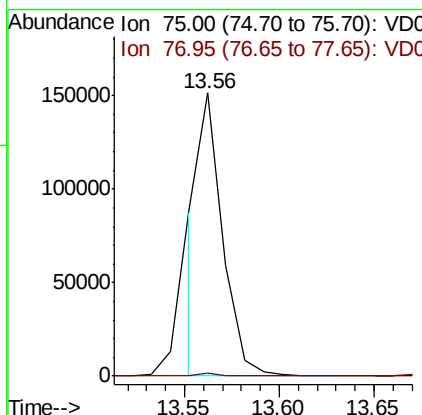
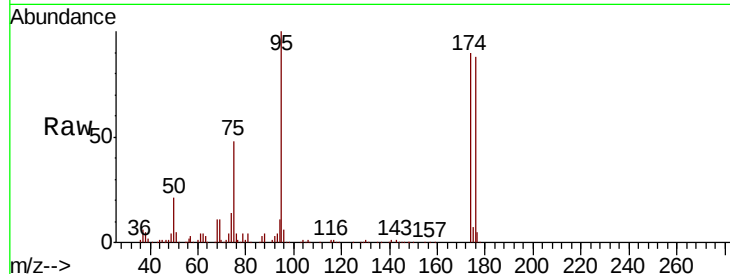




#76
 1,2,3-Trichloropropane
 Concen: 26.937 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD063006.D
 Acq: 2 Jul 2019 17:00

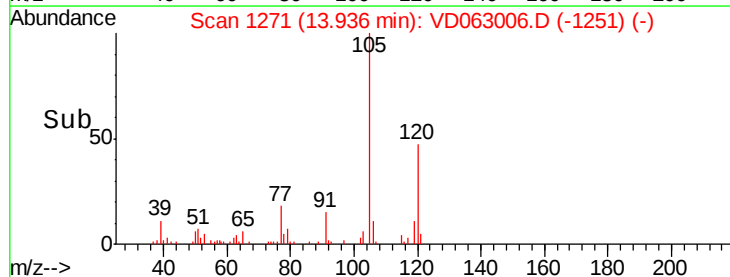
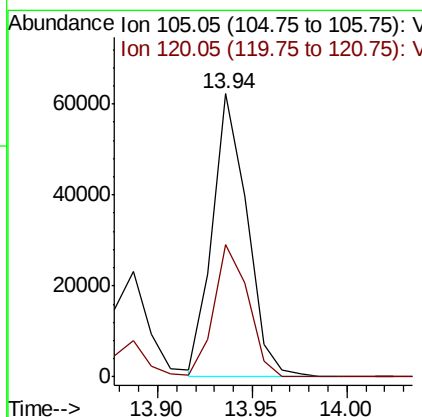
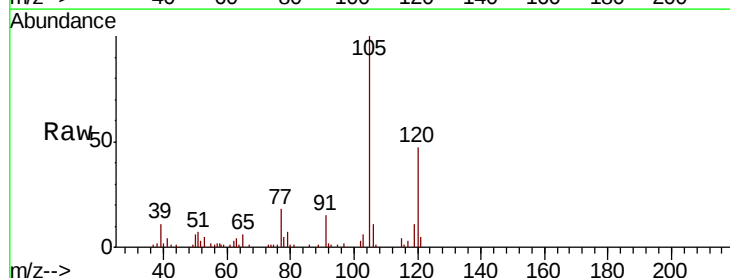
Instrument :
 MSVOA_D
 ClientSampleId :

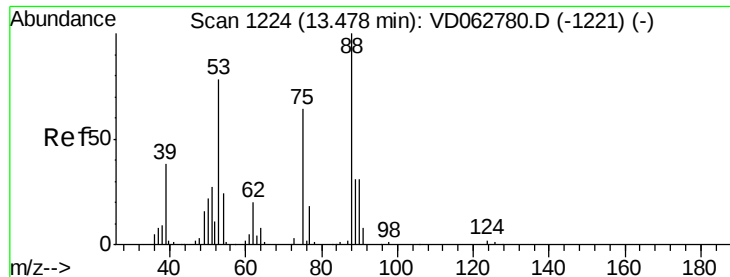
Tot Ion: 75 Resp: 131345
 Ion Ratio Lower Upper
 75 100
 77 1.1 15.0 45.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 3.479 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063006.D
 Acq: 2 Jul 2019 17:00

Tgt Ion:105 Resp: 79143
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 149.672 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD063006.D

Acq: 2 Jul 2019 17:00

Instrument :

MSVOA_D

ClientSampleId :

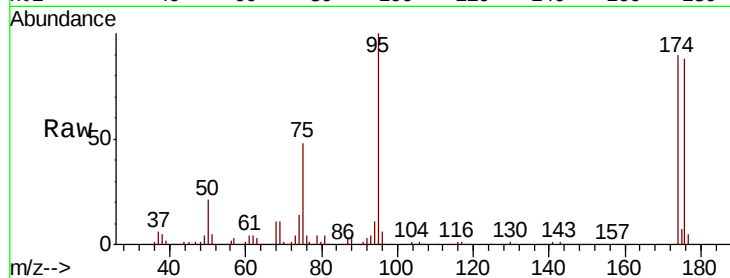
Tot Ion: 75 Resp: 191267

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

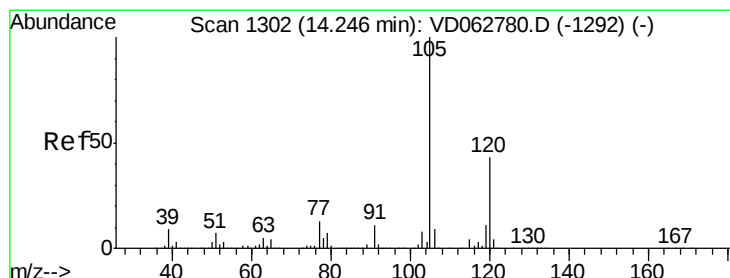
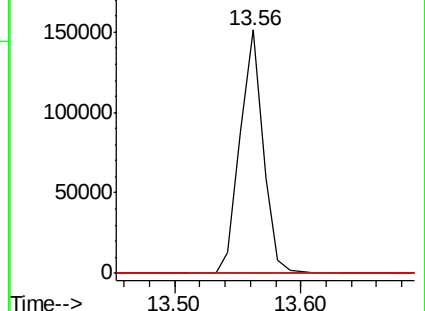
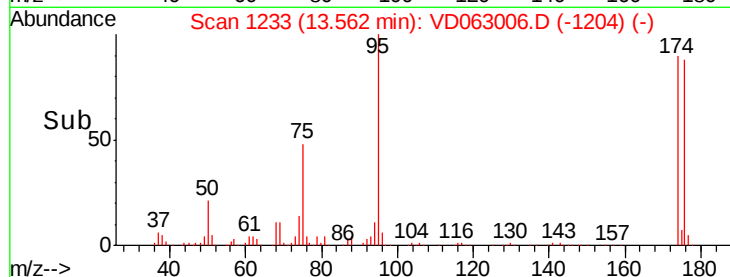
89 0.0 39.4 59.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 4.209 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD063006.D

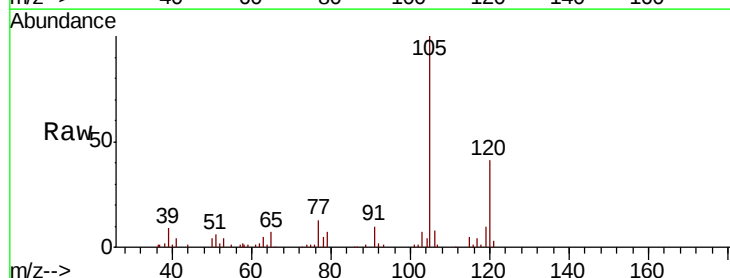
Acq: 2 Jul 2019 17:00

Tgt Ion:105 Resp: 98125

Ion Ratio Lower Upper

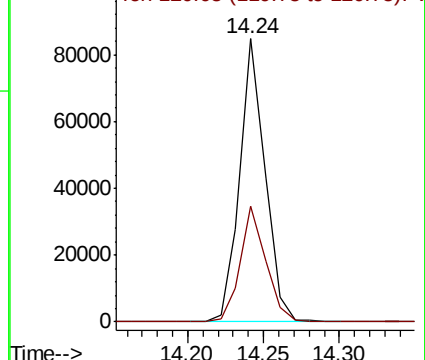
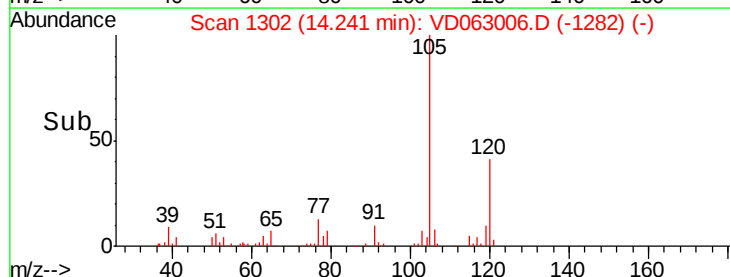
105 100

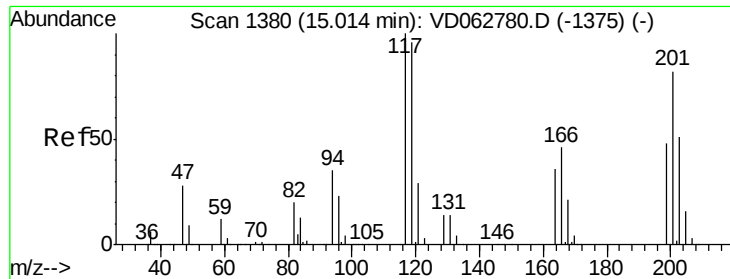
120 41.0 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

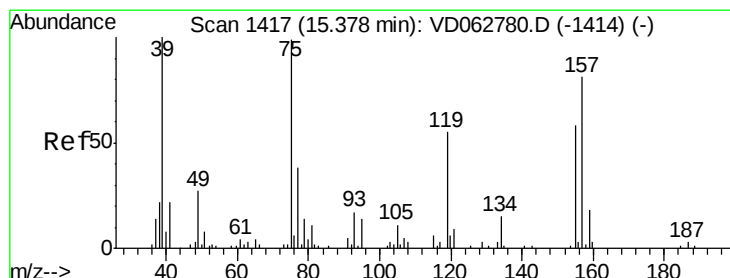
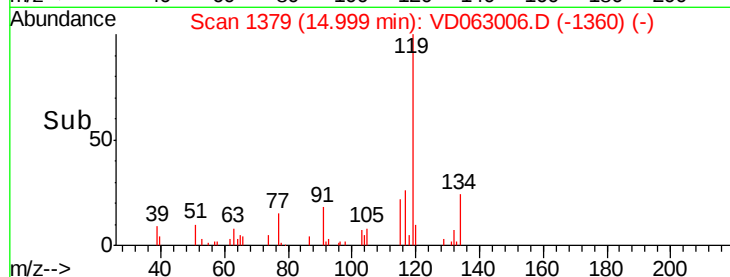
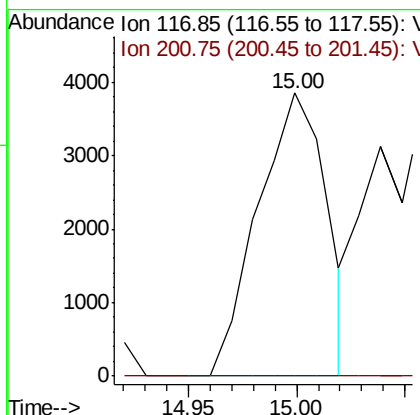
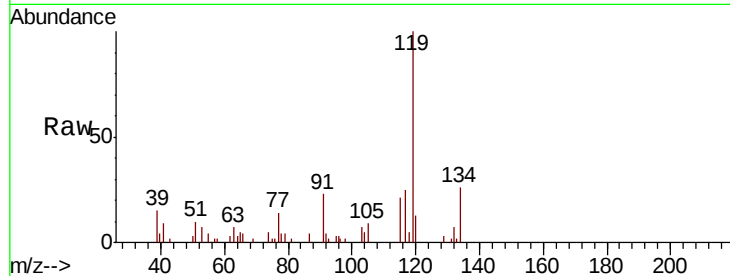




#90
Hexachloroethane
Concen: 1.252 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

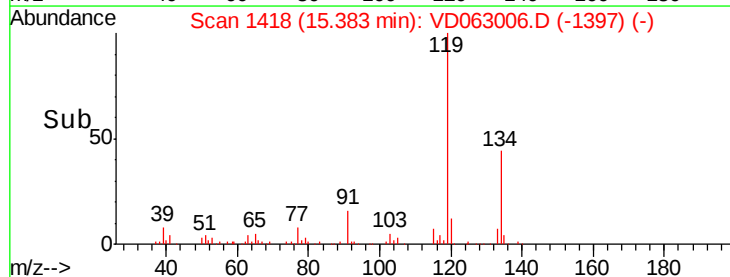
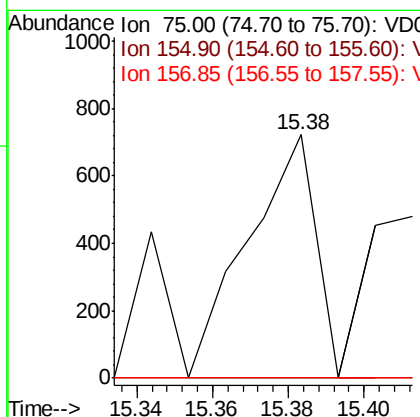
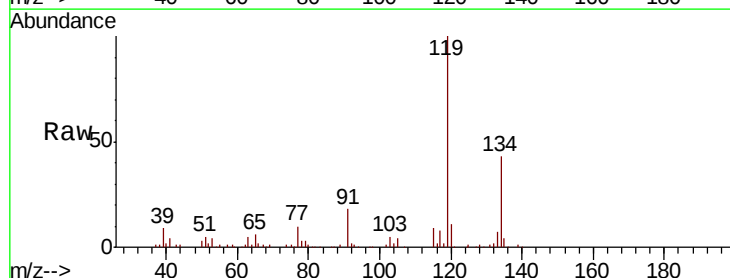
Instrument :
MSVOA_D
ClientSampleId :

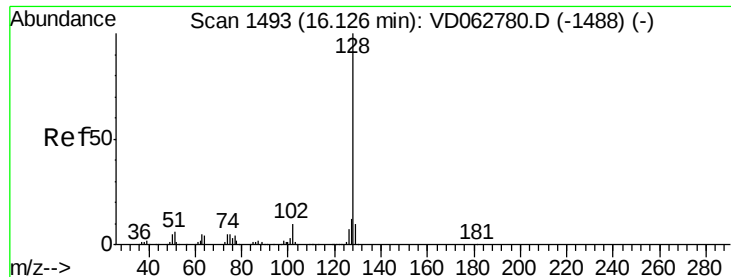
Tot Ion:117 Resp: 8486
Ion Ratio Lower Upper
117 100
201 0.0 40.8 122.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.038 ug/l
RT: 15.38 min Scan# 1418
Delta R.T. 0.01 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

Tgt Ion: 75 Resp: 894
Ion Ratio Lower Upper
75 100
155 0.0 29.3 87.8#
157 0.0 41.3 123.7#

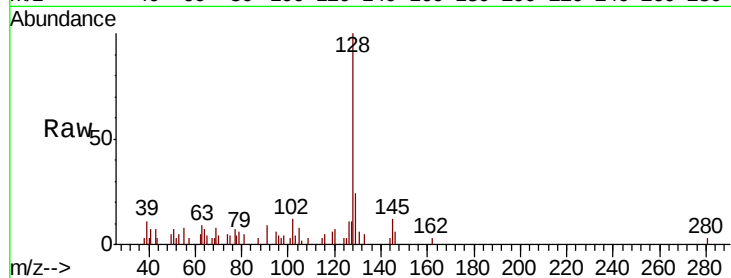




#95
Naphthalene
Concen: 1.489 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.0	9.7	14.5
129	24.2	8.3	12.5



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

