

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063139.D
 Acq On : 17 Jul 2019 18:51
 Operator : VA/AP
 Sample : K3830-07
 Misc : 5.36g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:58:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	758867	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1069791	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	859635	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	371534	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	427168	45.19	ug/l	0.00
Spiked Amount			Recovery	=	90.38%	
35) Dibromofluoromethane	6.92	113	434250	40.75	ug/l	0.00
Spiked Amount			Recovery	=	81.50%	
50) Toluene-d8	10.41	98	930473	40.65	ug/l	0.01
Spiked Amount			Recovery	=	81.30%	
62) 4-Bromofluorobenzene	13.55	95	364581	34.43	ug/l	0.00
Spiked Amount			Recovery	=	68.86%	

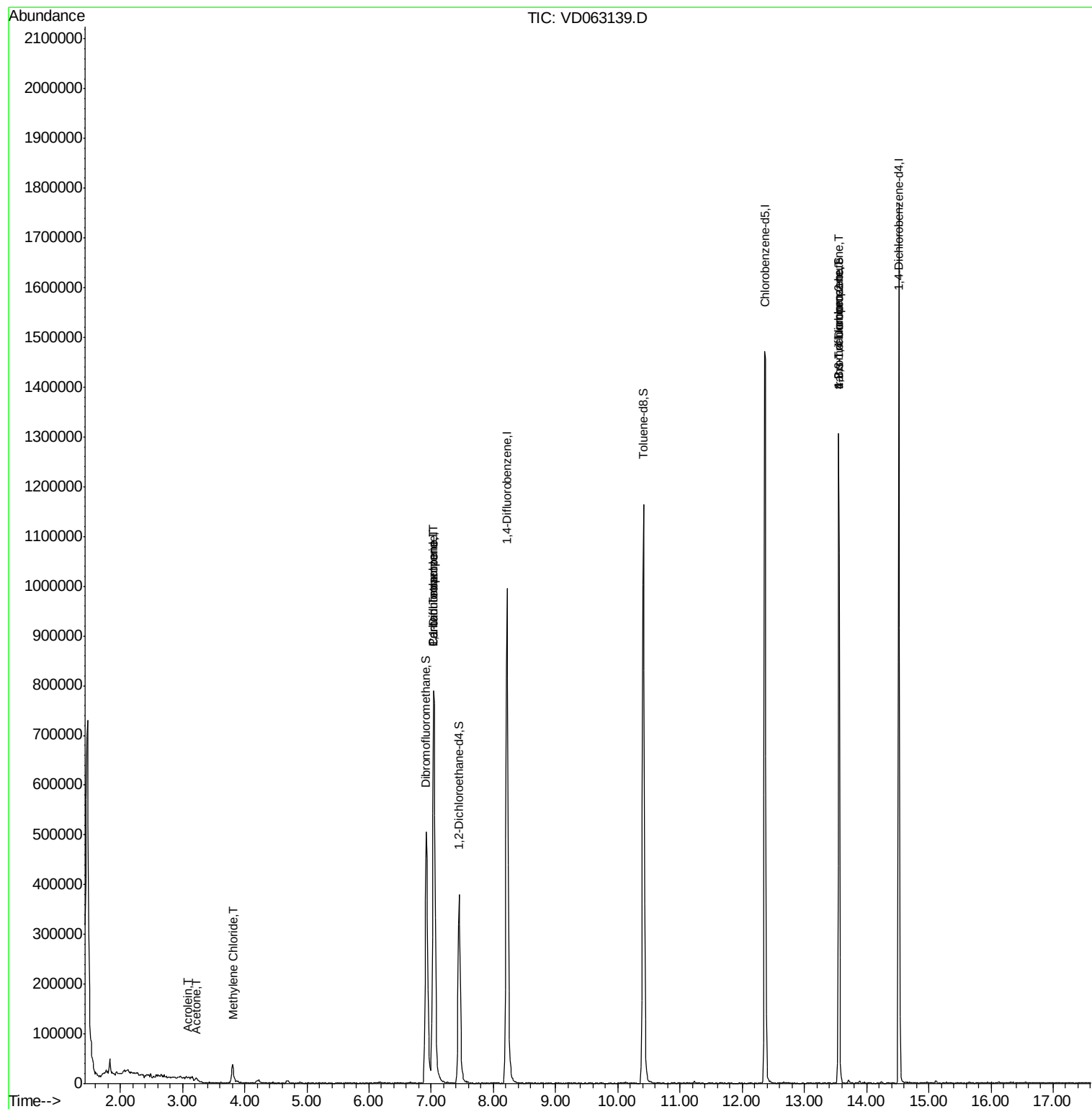
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	548	Below Cal	#	43
3) Chloromethane	1.76	50	783	Below Cal	#	48
5) Bromomethane	2.17	94	1078	Below Cal	#	21
13) Acrolein	3.10	56	401	2.435	ug/l #	17
16) Acetone	3.22	43	14610	6.399	ug/l	97
18) Methyl Acetate	3.62	43	968	Below Cal	#	63
20) Methylene Chloride	3.81	84	19951	2.313	ug/l #	73
36) 1,1-Dichloropropene	7.04	75	57104	4.746	ug/l #	47
38) Carbon Tetrachloride	7.04	117	78125	4.273	ug/l #	13
76) 1,2,3-Trichloropropane	13.55	75	141130	24.694	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	172668	114.726	ug/l #	1

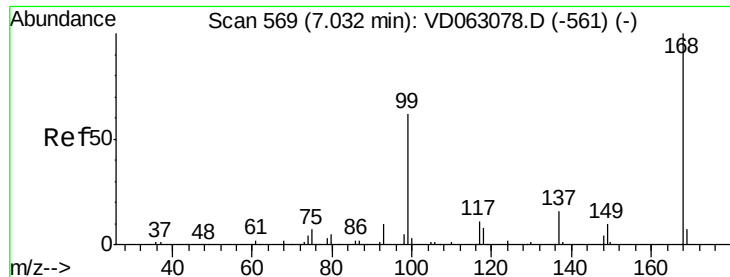
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071719\
Data File : VD063139.D
Acq On : 17 Jul 2019 18:51
Operator : VA/AP
Sample : K3830-07
Misc : 5.36g/5ml/MSVOA D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 18 06:58:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063139.D

Acq: 17 Jul 2019 18:51

Instrument :

MSVOA_D

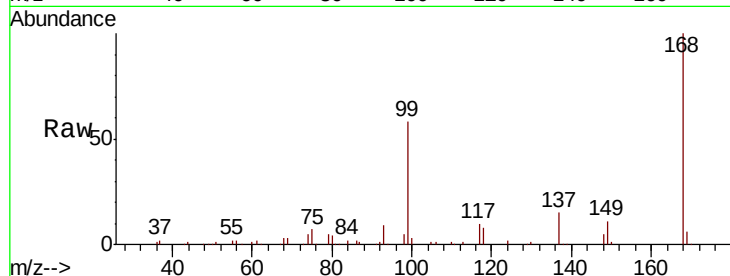
ClientSampleId :

Tot Ion:168 Resp: 758867

Ion Ratio Lower Upper

168 100

99 57.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

250000

200000

150000

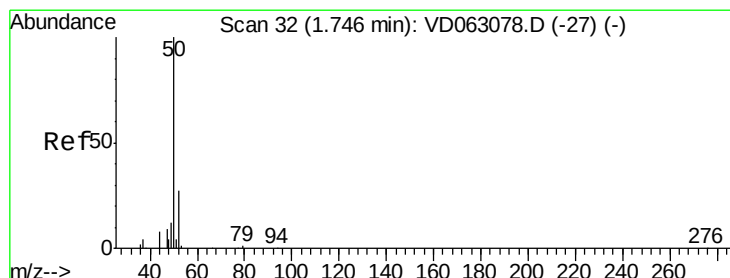
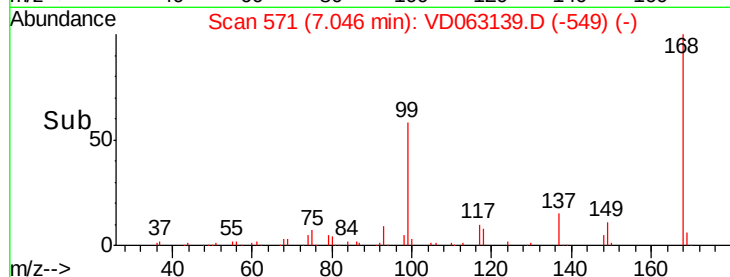
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#3

Chloromethane

Concen: Below Cal

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD063139.D

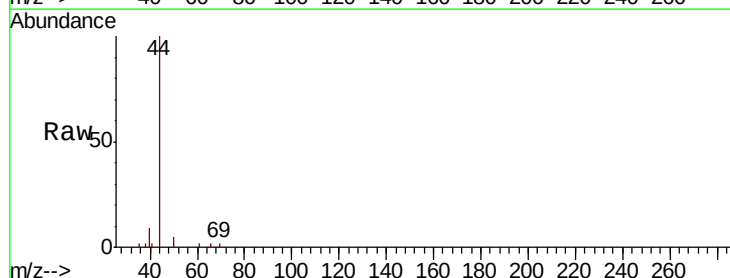
Acq: 17 Jul 2019 18:51

Tgt Ion: 50 Resp: 783

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

800

600

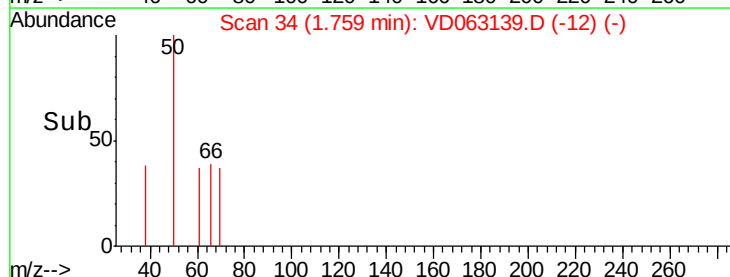
400

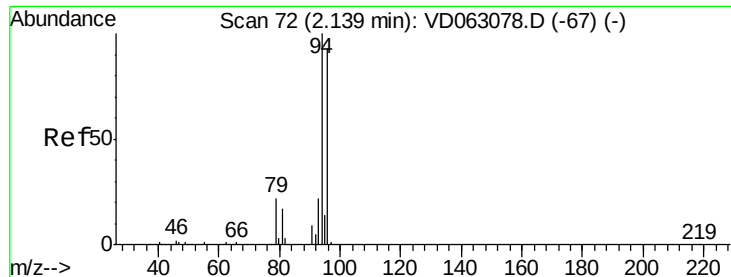
200

0

Time-->

1.75 1.80





#5

Bromomethane

Concen: Below Cal

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD063139.D

Acq: 17 Jul 2019 18:51

Instrument :

MSVOA_D

ClientSampleId :

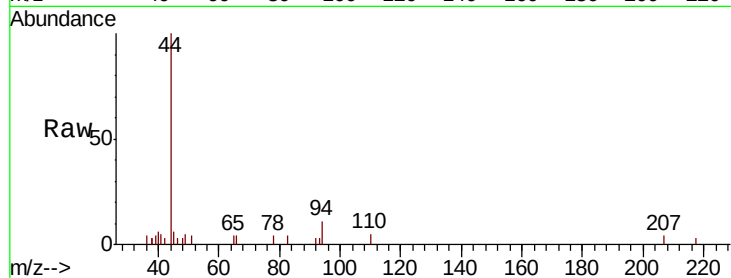
Tot Ion: 94 Resp: 1078

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

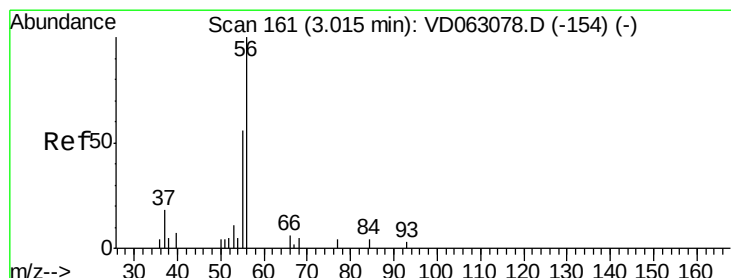
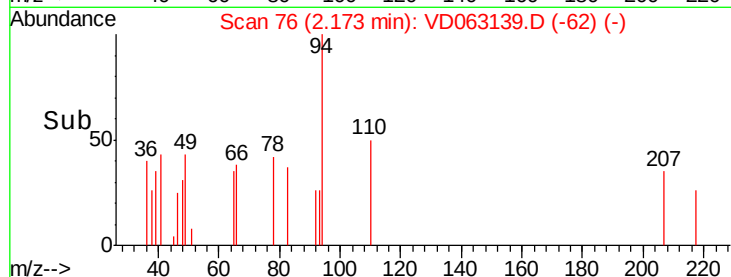
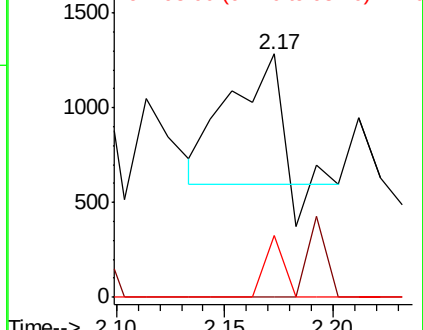
93 25.5 17.8 26.6



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#13

Acrolein

Concen: 2.435 ug/l

RT: 3.10 min Scan# 170

Delta R.T. 0.08 min

Lab File: VD063139.D

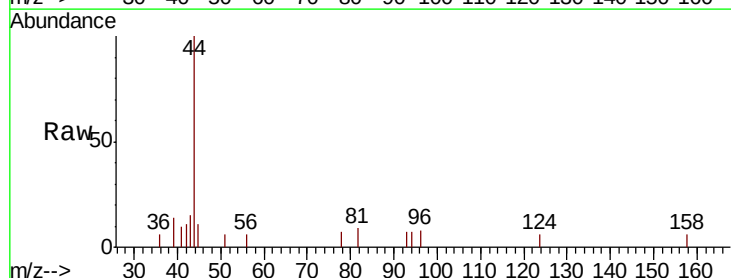
Acq: 17 Jul 2019 18:51

Tgt Ion: 56 Resp: 401

Ion Ratio Lower Upper

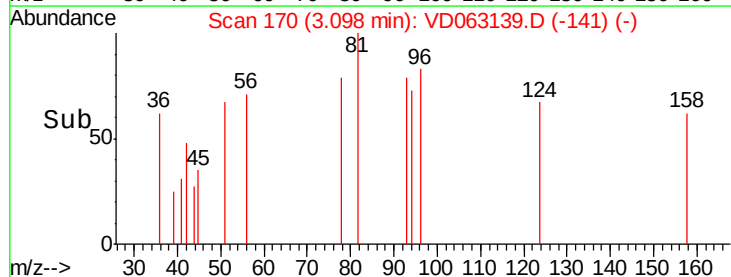
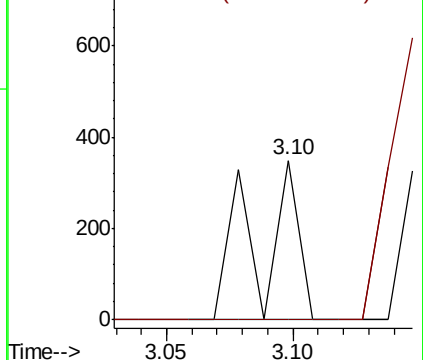
56 100

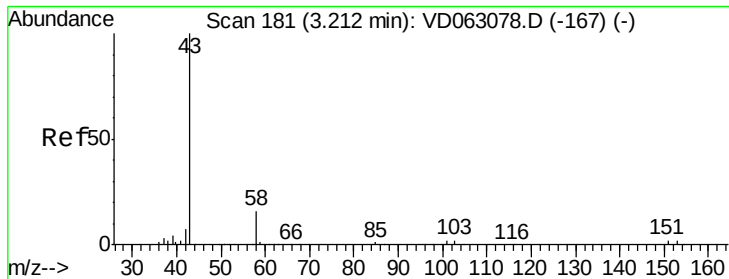
55 0.0 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 6.399 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063139.D

Acq: 17 Jul 2019 18:51

Instrument :

MSVOA_D

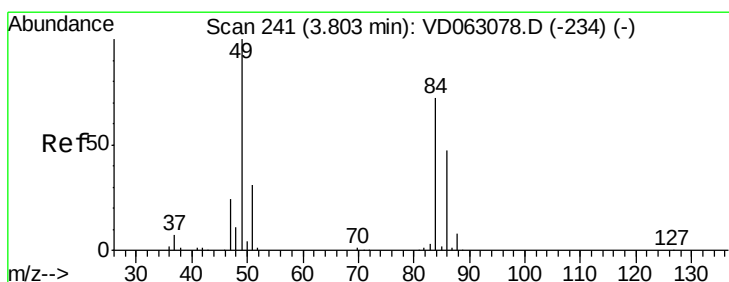
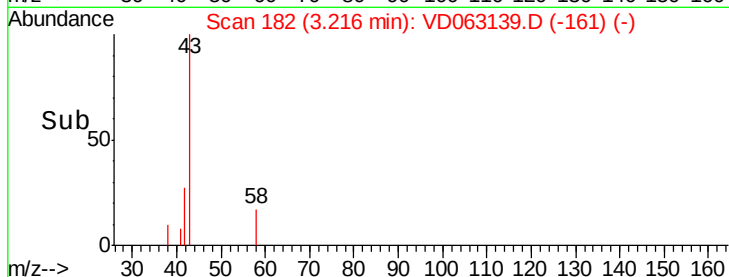
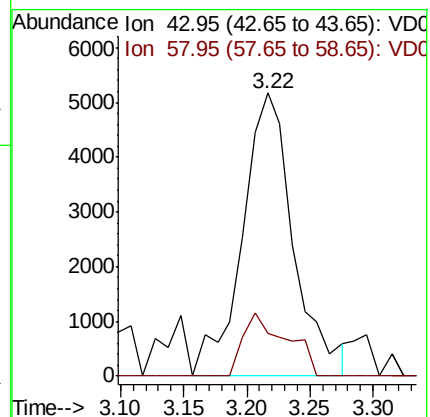
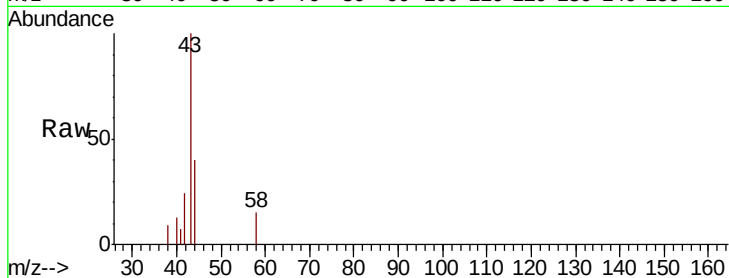
ClientSampleId :

Tot Ion: 43 Resp: 14610

Ion Ratio Lower Upper

43 100

58 15.0 13.0 19.4



#20

Methylene Chloride

Concen: 2.313 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD063139.D

Acq: 17 Jul 2019 18:51

Tgt Ion: 84 Resp: 19951

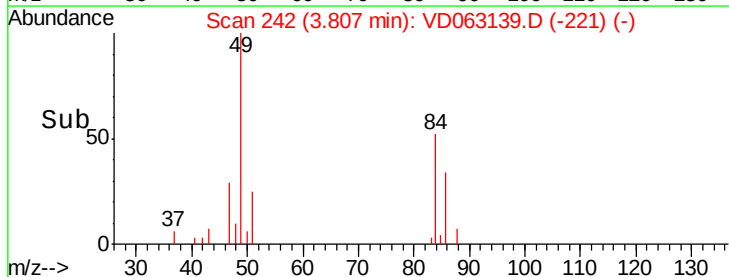
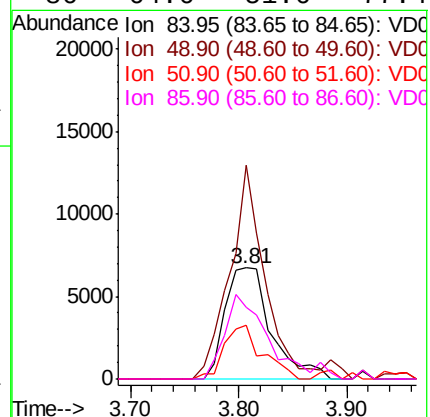
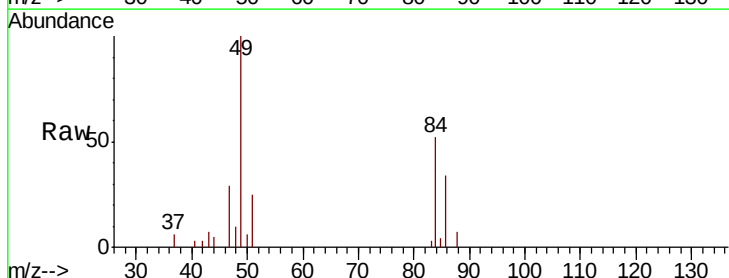
Ion Ratio Lower Upper

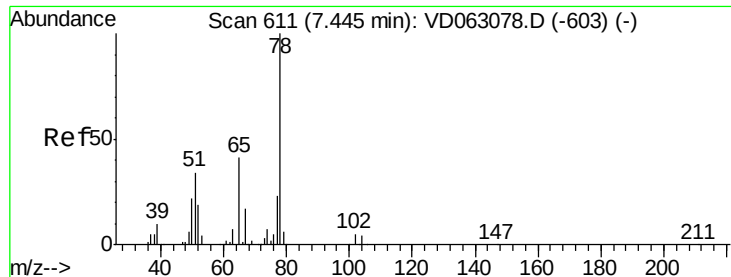
84 100

49 192.6 110.5 165.7#

51 48.8 34.6 51.8

86 64.6 51.6 77.4

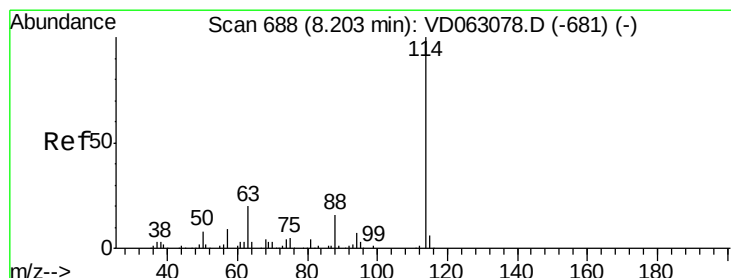
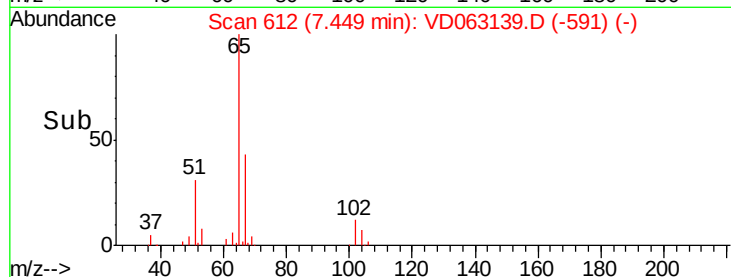
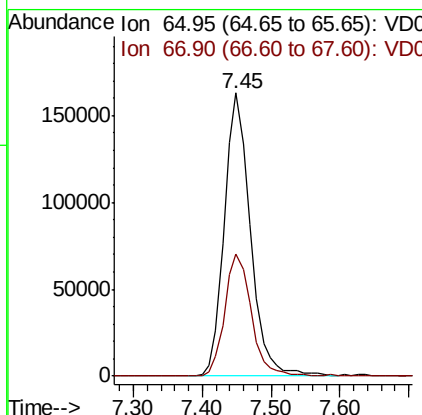
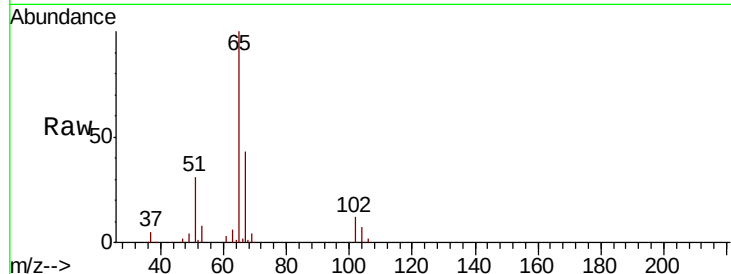




#33
 1,2-Dichloroethane-d4
 Concen: 45.188 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD063139.D
 Acq: 17 Jul 2019 18:51

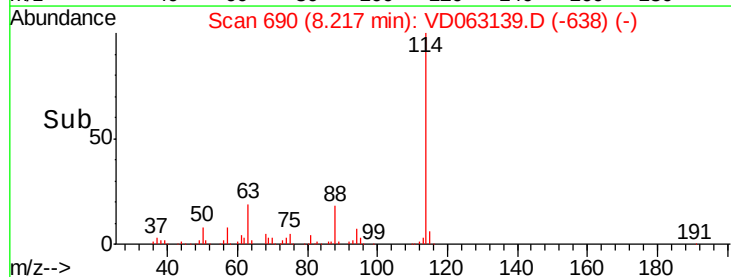
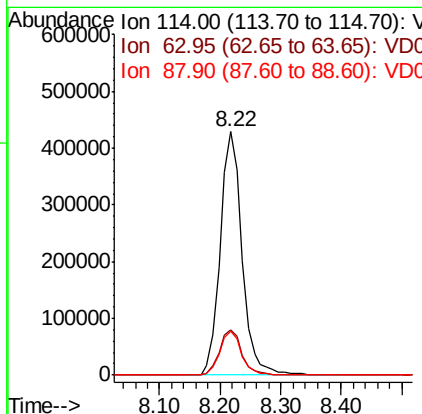
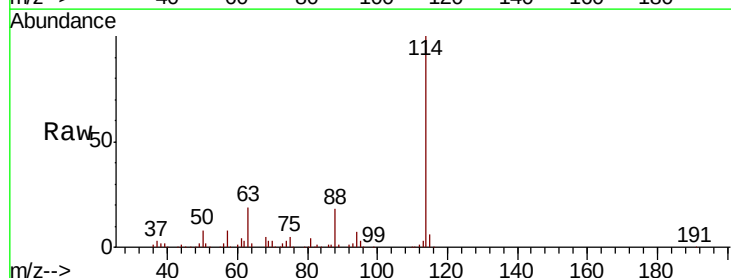
Instrument :
 MSVOA_D
 ClientSampleId :

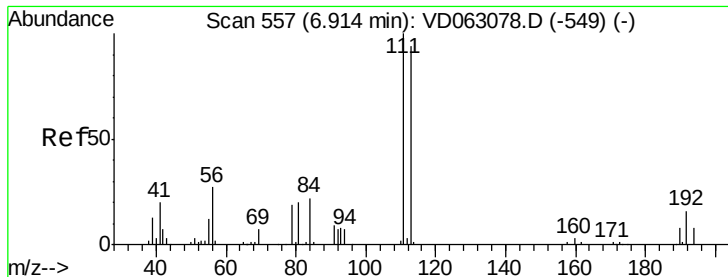
Tot Ion: 65 Resp: 427168
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063139.D
 Acq: 17 Jul 2019 18:51

Tgt Ion: 114 Resp: 1069791
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.6
 88 18.0 0.0 32.6

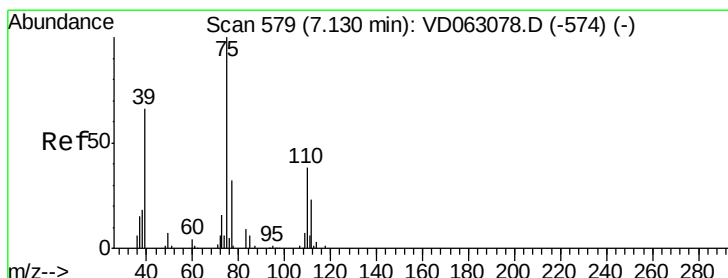
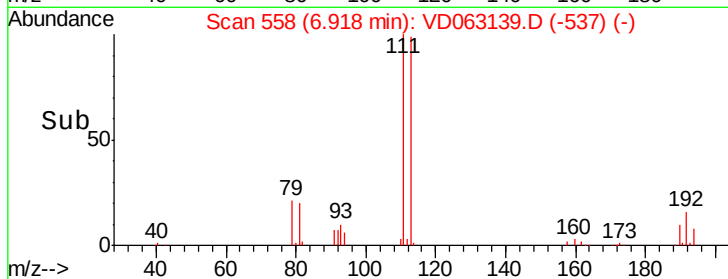
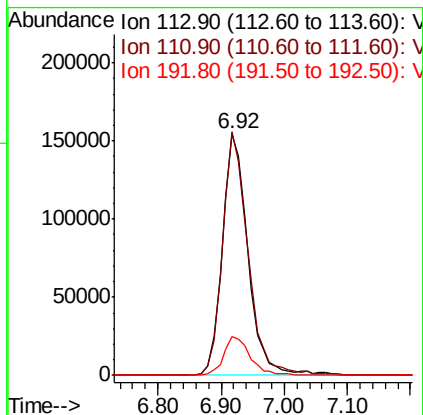
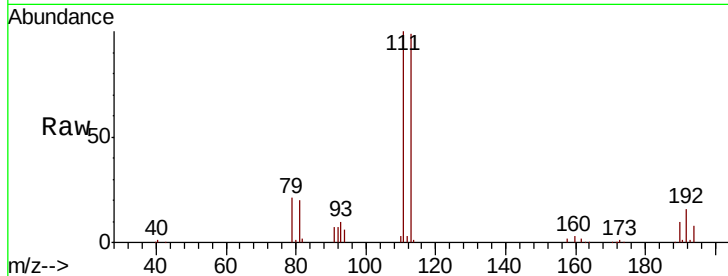




#35
 Dibromofluoromethane
 Concen: 40.754 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD063139.D
 Acq: 17 Jul 2019 18:51

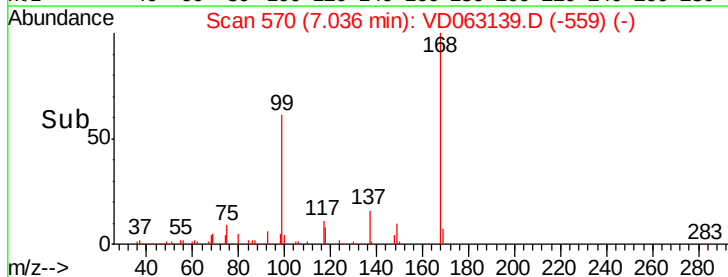
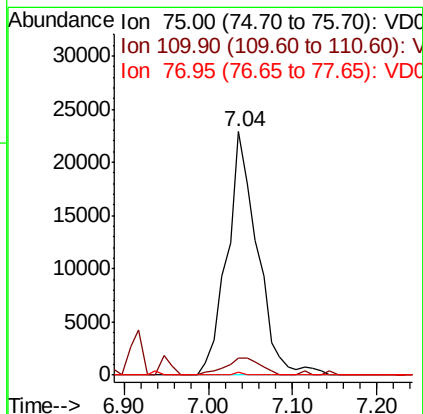
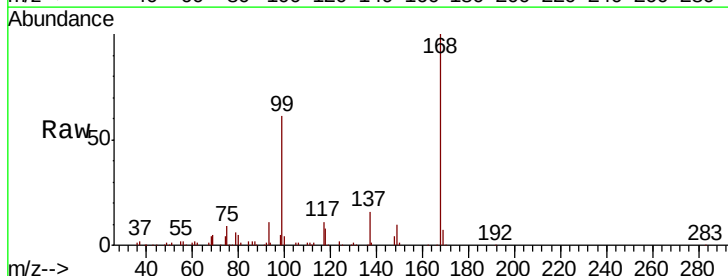
Instrument :
 MSVOA_D
 ClientSampleId :

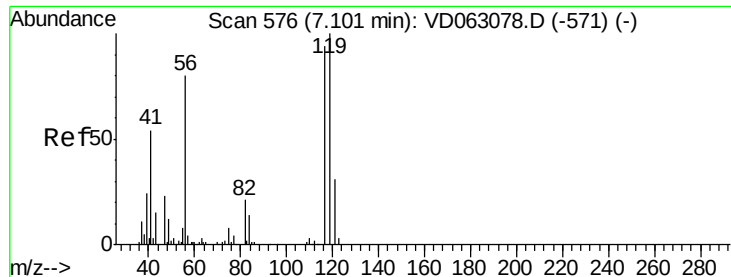
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	84.8	127.2
192	16.0	13.4	20.0



#36
 1,1-Dichloropropene
 Concen: 4.746 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063139.D
 Acq: 17 Jul 2019 18:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	18.9	56.5#
77	1.4	25.2	37.8#

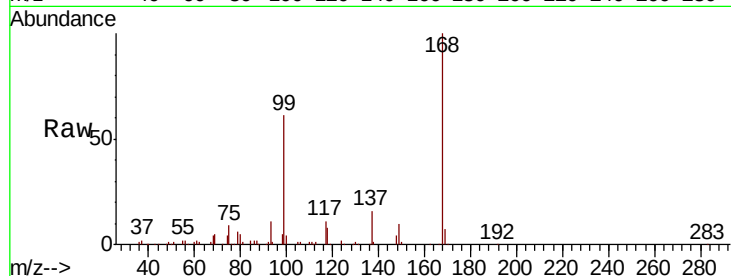




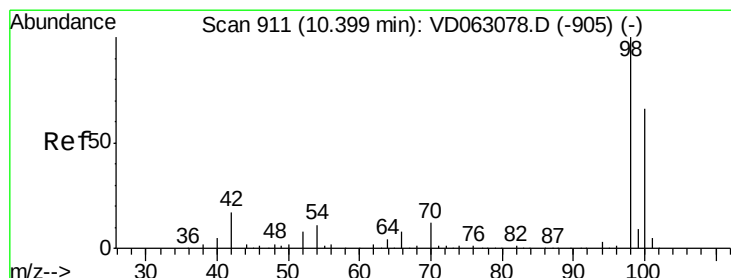
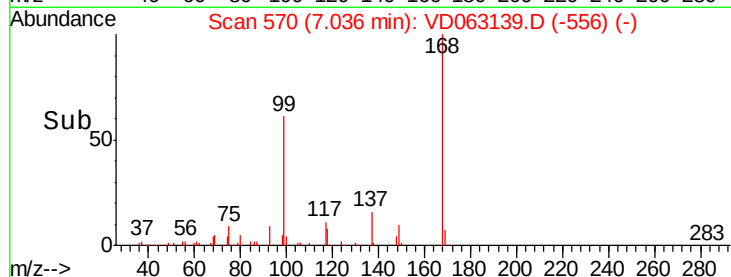
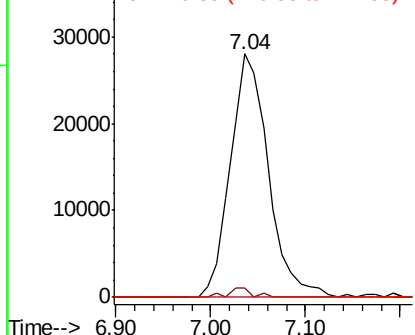
#38
Carbon Tetrachloride
Concen: 4.273 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD063139.D
Acq: 17 Jul 2019 18:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 78125
Ion Ratio Lower Upper
117 100
119 4.0 80.0 120.0#
121 0.0 25.0 37.4#

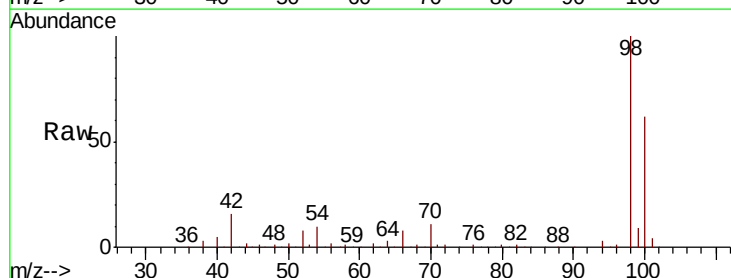


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

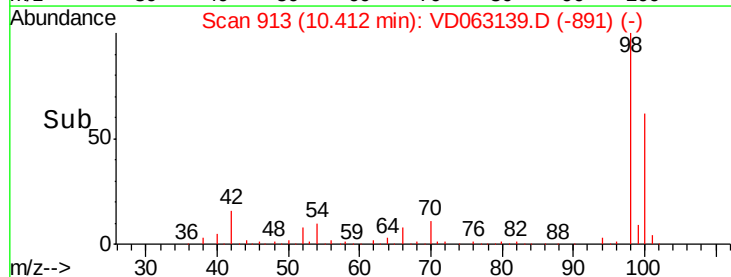
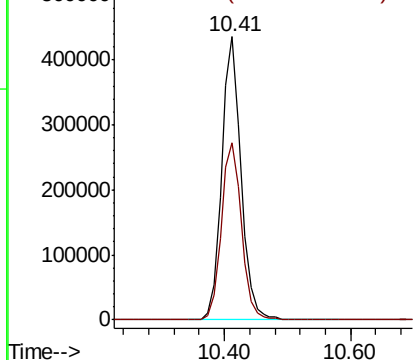


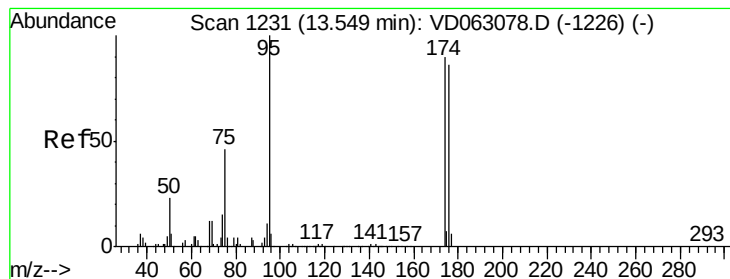
#50
Toluene-d8
Concen: 40.654 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063139.D
Acq: 17 Jul 2019 18:51

Tgt Ion: 98 Resp: 930473
Ion Ratio Lower Upper
98 100
100 62.5 53.5 80.3



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





#62

4-Bromofluorobenzene

Concen: 34.431 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063139.D

Acq: 17 Jul 2019 18:51

Instrument :

MSVOA_D

ClientSampleId :

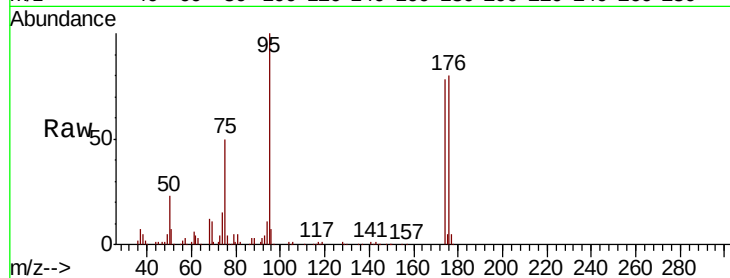
Tot Ion: 95 Resp: 364581

Ion Ratio Lower Upper

95 100

174 78.0 0.0 180.6

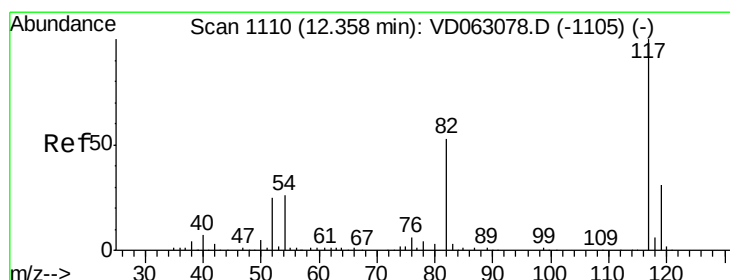
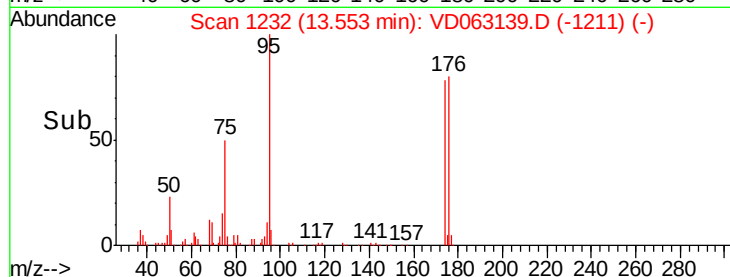
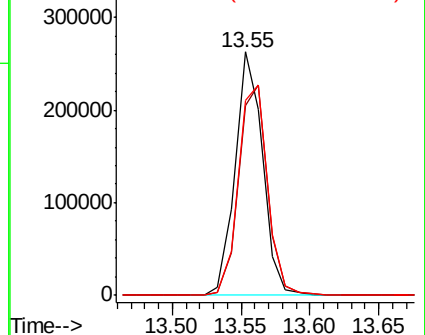
176 80.1 0.0 172.2



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. 0.01 min

Lab File: VD063139.D

Acq: 17 Jul 2019 18:51

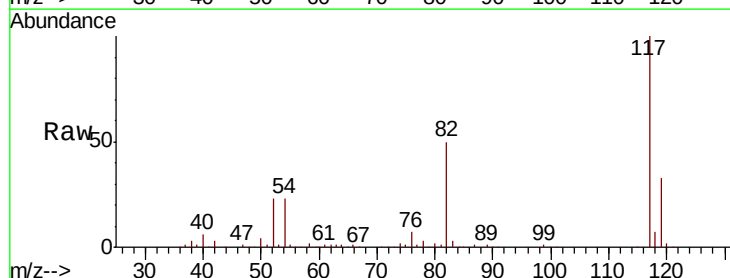
Tgt Ion: 117 Resp: 859635

Ion Ratio Lower Upper

117 100

82 49.7 42.3 63.5

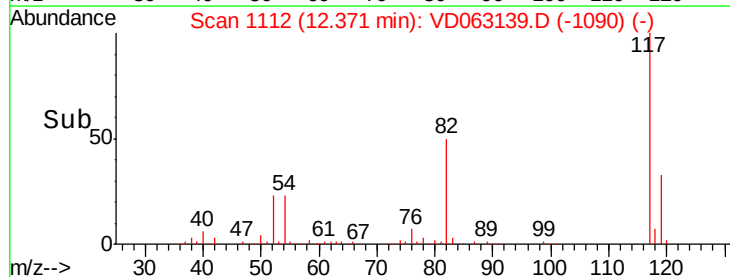
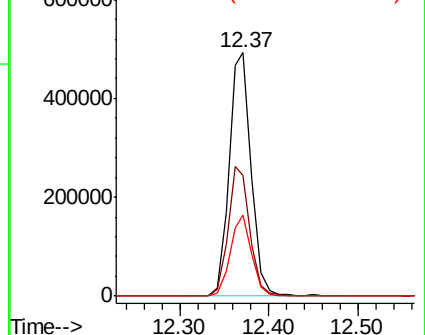
119 33.3 25.2 37.8

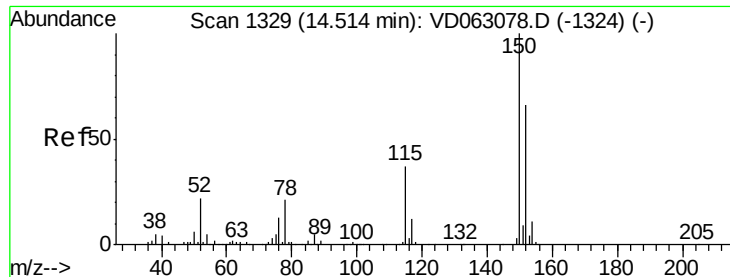


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

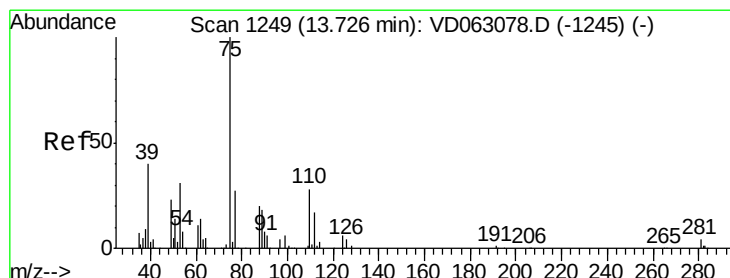
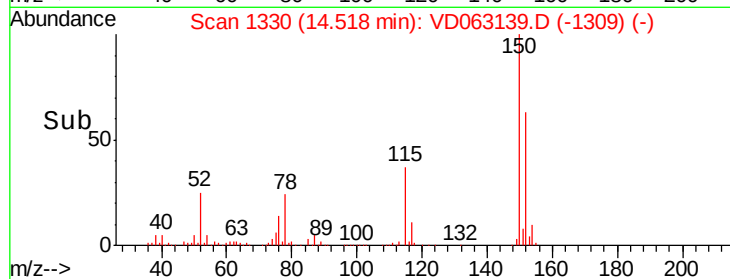
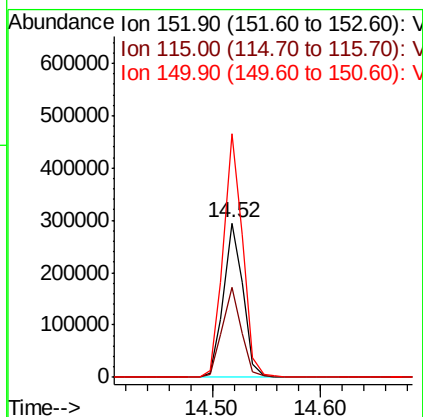
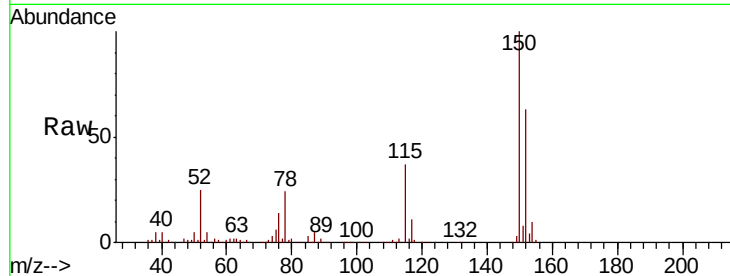




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD063139.D
 Acq: 17 Jul 2019 18:51

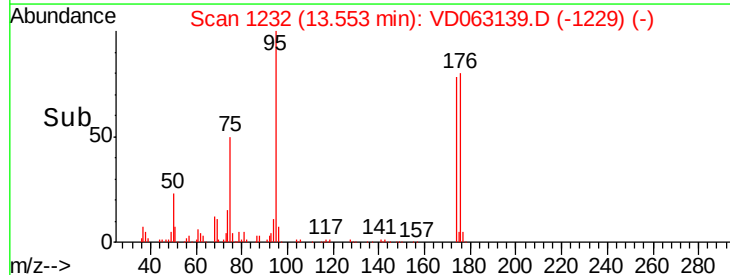
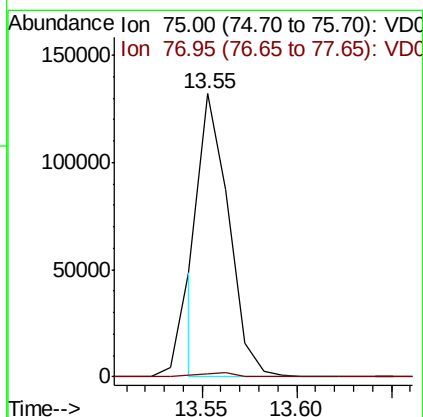
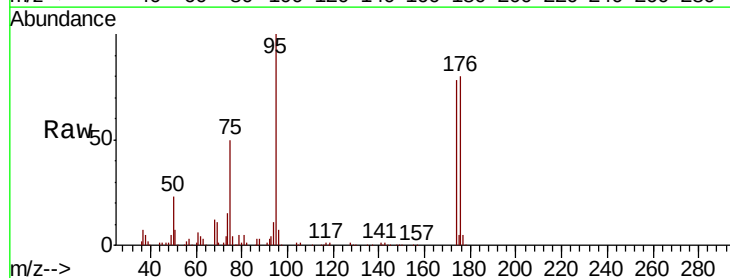
Instrument :
 MSVOA_D
 ClientSampleId :

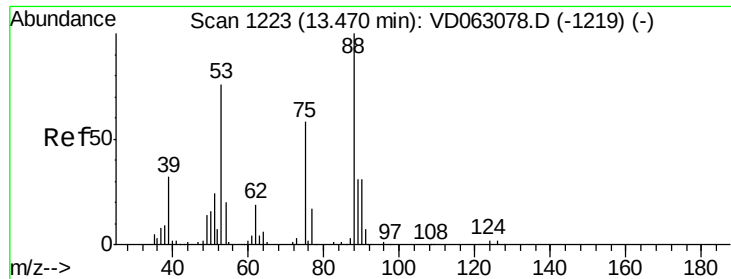
Tot Ion:152 Resp: 371534
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.9 86.8
 150 158.1 0.0 313.8



#76
 1,2,3-Trichloropropane
 Concen: 24.694 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD063139.D
 Acq: 17 Jul 2019 18:51

Tgt Ion: 75 Resp: 141130
 Ion Ratio Lower Upper
 75 100
 77 1.0 16.3 48.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 114.726 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063139.D

Acq: 17 Jul 2019 18:51

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 172668

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#

