

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD071619\
 Data File : VD063098.D
 Acq On : 16 Jul 2019 11:27
 Operator : VA/AP
 Sample : K3626-05
 Misc : 5.89g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-071119-A

Quant Time: Jul 16 11:50:23 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	7.03	168	572524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	725725	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	572445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	249189	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	304710	42.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.46%	
35) Dibromofluoromethane	6.91	113	316944	43.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.70%	
50) Toluene-d8	10.39	98	587157	37.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.64%	
62) 4-Bromofluorobenzene	13.55	95	253085	35.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.46%	

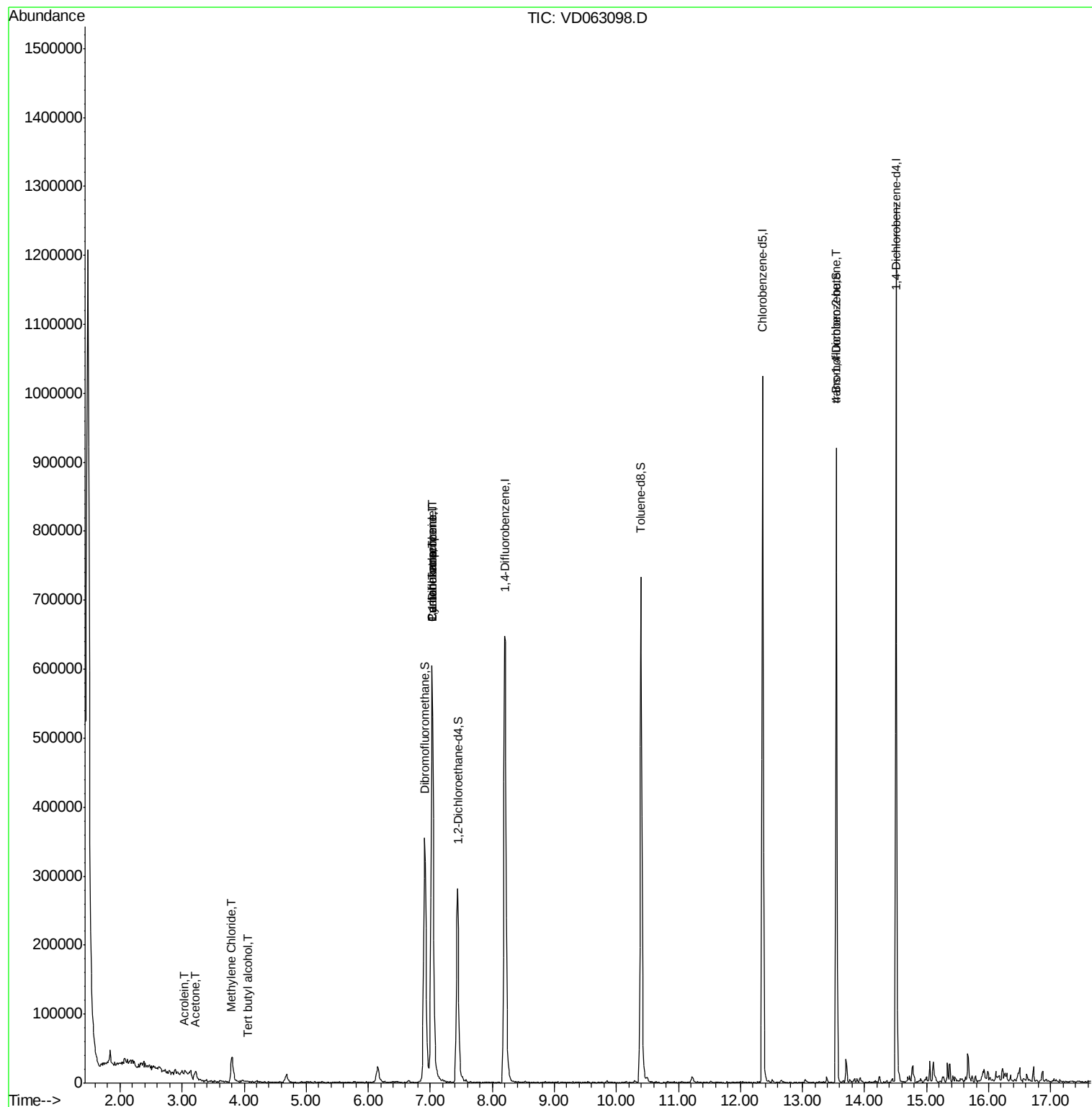
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.57	85	632	Below Cal	# 43
3) Chloromethane	1.75	50	561	Below Cal	# 48
5) Bromomethane	2.13	94	1618	Below Cal	# 13
11) Tert butyl alcohol	4.07	59	1661	4.036 ug/l	# 77
13) Acrolein	3.05	56	615	4.951 ug/l	# 91
16) Acetone	3.21	43	28036	16.276 ug/l	# 96
18) Methyl Acetate	3.62	43	1040	Below Cal	# 63
20) Methylene Chloride	3.80	84	20775	3.192 ug/l	# 91
31) Cyclohexane	7.03	56	14042	2.068 ug/l	# 39
36) 1,1-Dichloropropene	7.03	75	45057	5.520 ug/l	# 52
38) Carbon Tetrachloride	7.03	117	55168	4.448 ug/l	# 15
81) trans-1,4-Dichloro-2-buten	13.55	75	124172	123.011 ug/l	# 1

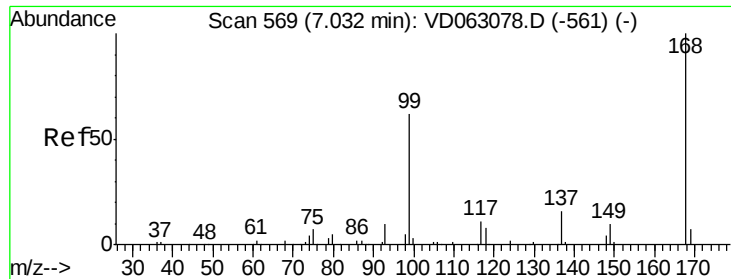
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD071619\
Data File : VD063098.D
Acq On : 16 Jul 2019 11:27
Operator : VA/AP
Sample : K3626-05
Misc : 5.89g/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SU-04-071119-A

Quant Time: Jul 16 11:50:23 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

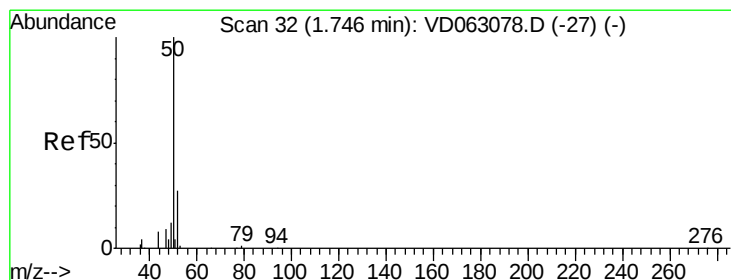
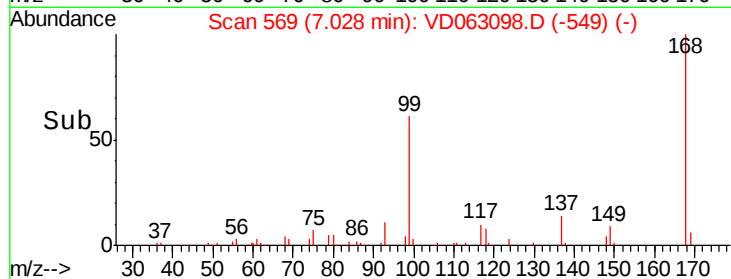
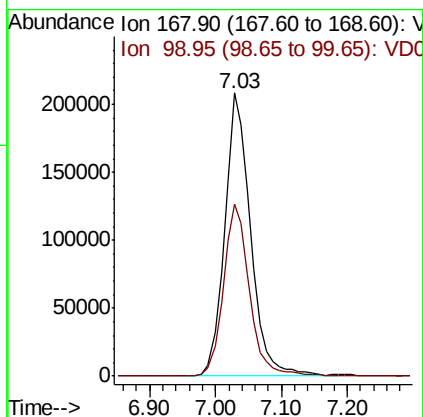
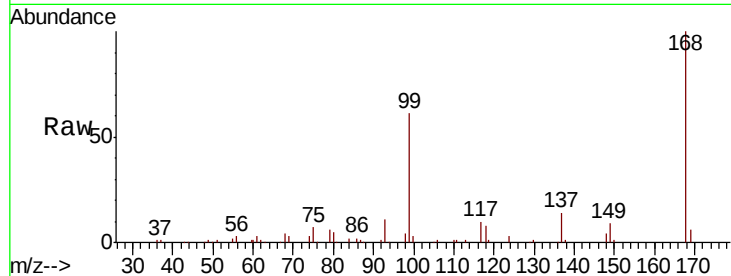




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.00 min
Lab File: VD063098.D
Acq: 16 Jul 2019 11:27

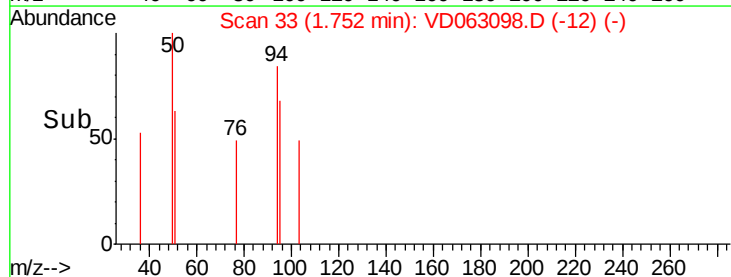
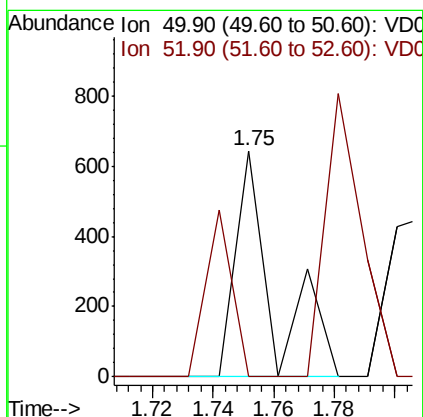
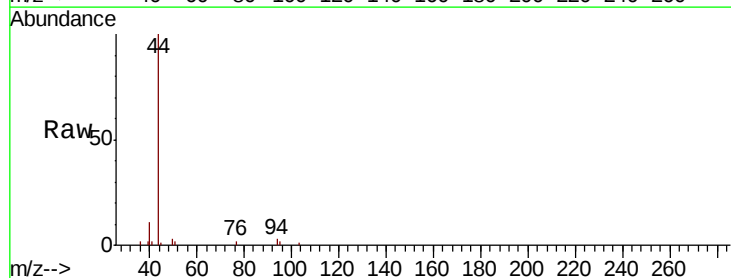
Instrument :
MSVOA_D
ClientSampleId :
SU-04-071119-A

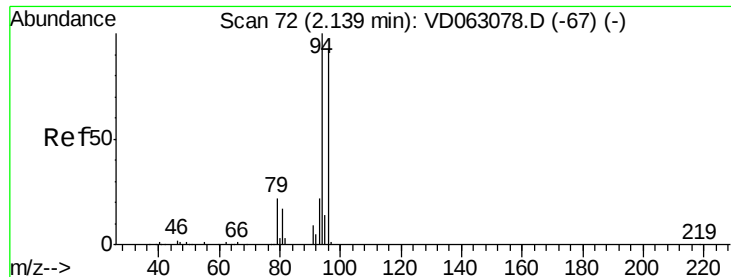
Tgt Ion: 168 Resp: 572524
Ion Ratio Lower Upper
168 100
99 60.7 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 1.75 min Scan# 33
Delta R.T. 0.01 min
Lab File: VD063098.D
Acq: 16 Jul 2019 11:27

Tgt Ion: 50 Resp: 561
Ion Ratio Lower Upper
50 100
52 0.0 21.4 32.2#





#5

Bromomethane

Concen: Below Cal

RT: 2.13 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD063098.D

Acq: 16 Jul 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

SU-04-071119-A

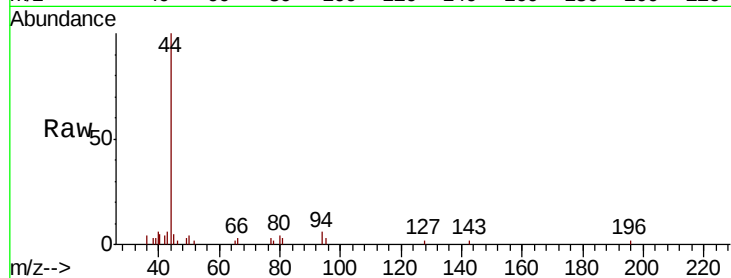
Tgt Ion: 94 Resp: 1618

Ion Ratio Lower Upper

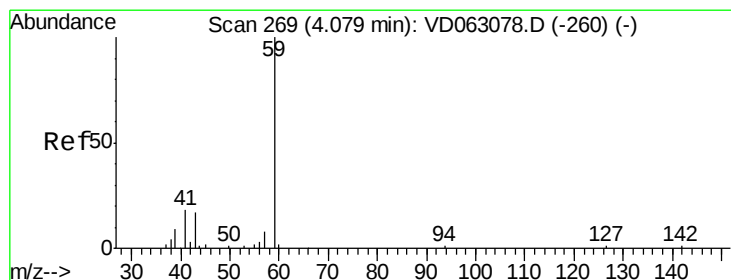
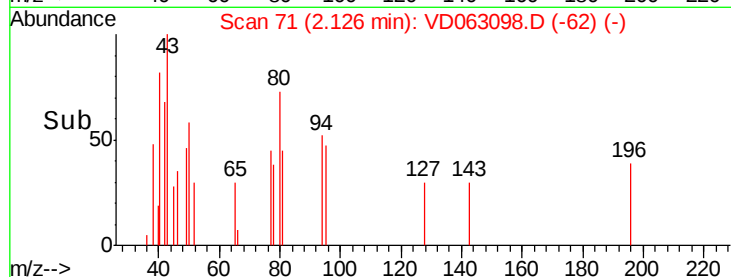
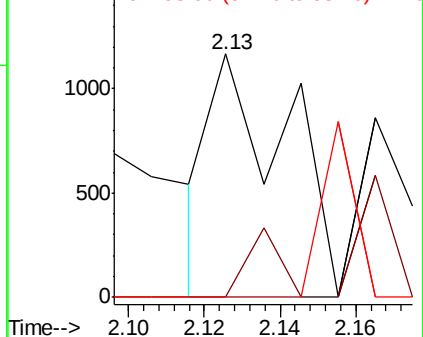
94 100

96 0.0 74.2 111.2#

93 0.0 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



#11

Tert butyl alcohol

Concen: 4.036 ug/l

RT: 4.07 min Scan# 268

Delta R.T. -0.01 min

Lab File: VD063098.D

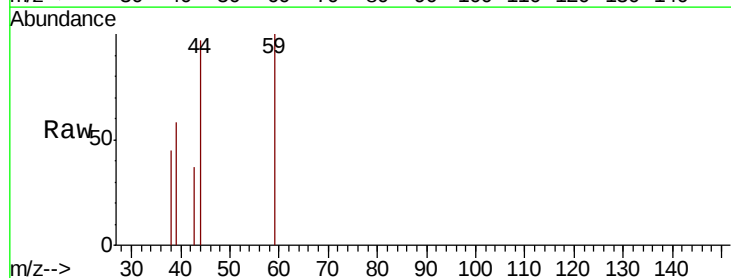
Acq: 16 Jul 2019 11:27

Tgt Ion: 59 Resp: 1661

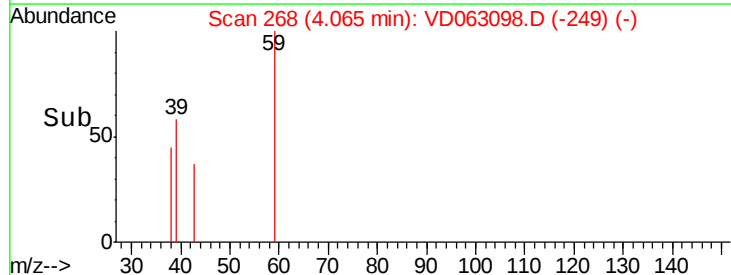
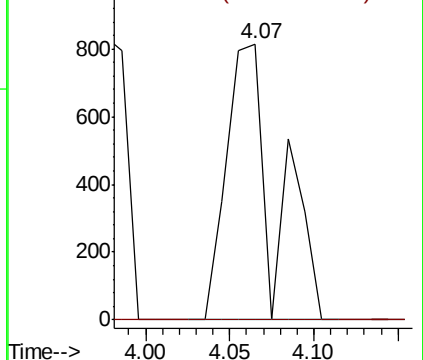
Ion Ratio Lower Upper

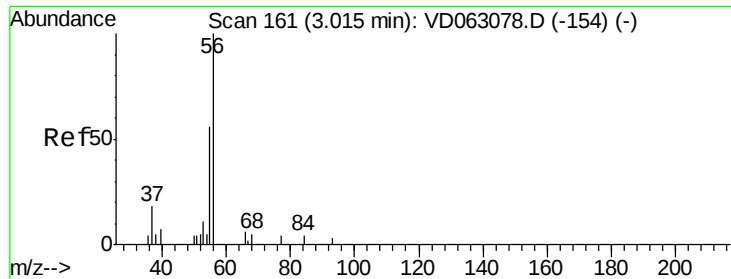
59 100

57 0.0 6.4 9.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 4.951 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.04 min

Lab File: VD063098.D

Acq: 16 Jul 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

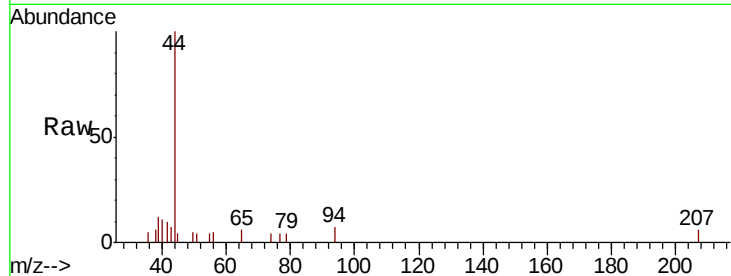
SU-04-071119-A

Tgt Ion: 56 Resp: 615

Ion Ratio Lower Upper

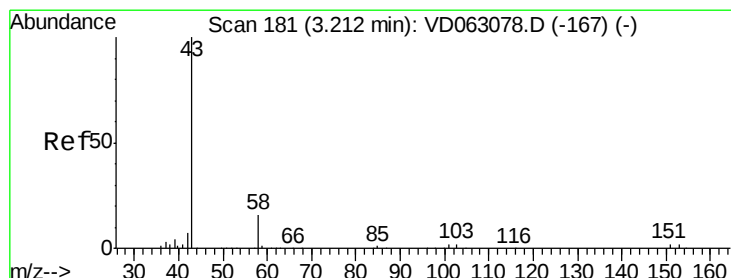
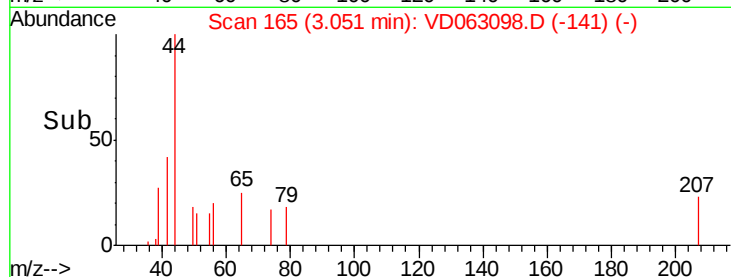
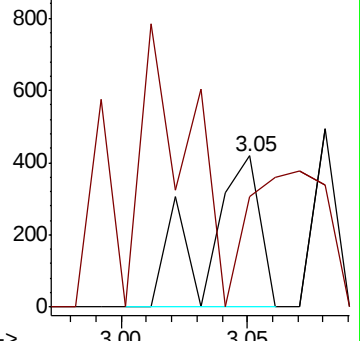
56 100

55 73.0 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: 16.276 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD063098.D

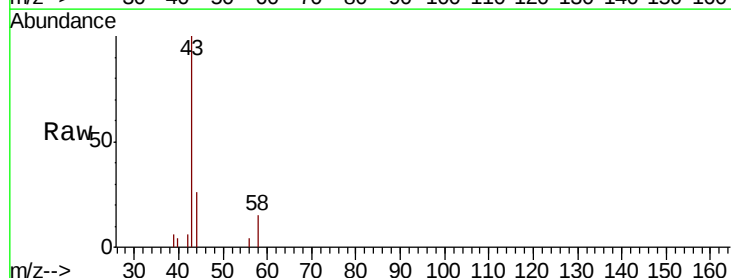
Acq: 16 Jul 2019 11:27

Tgt Ion: 43 Resp: 28036

Ion Ratio Lower Upper

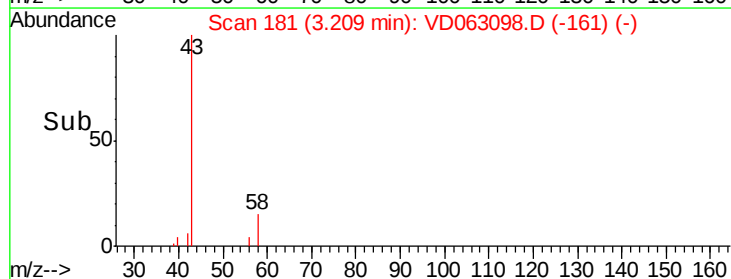
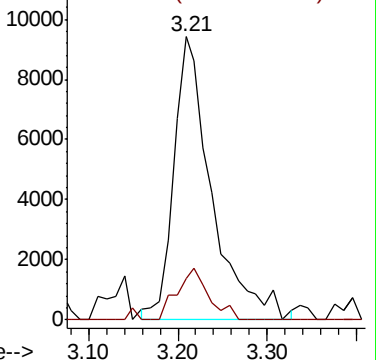
43 100

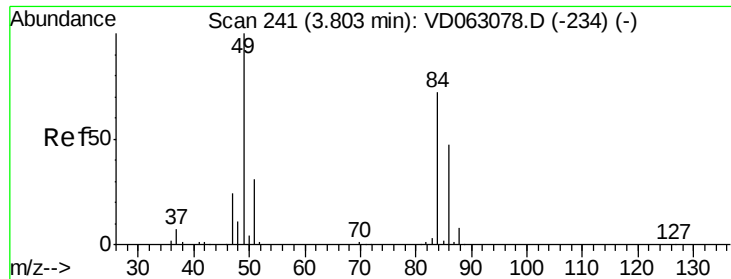
58 14.7 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

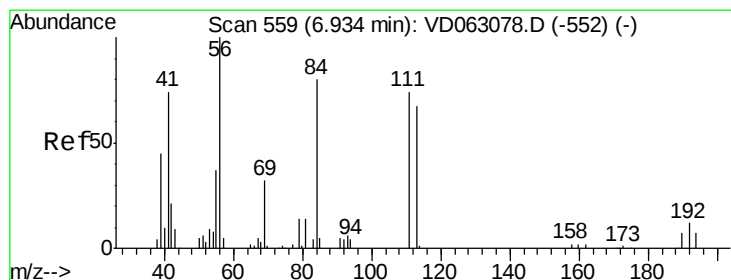
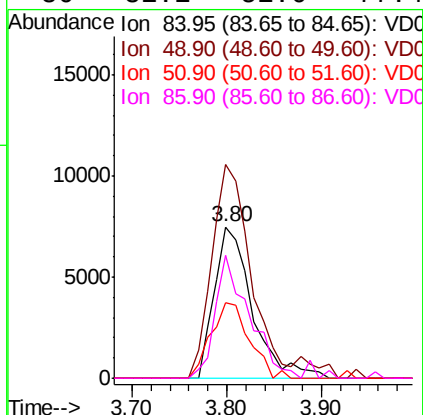
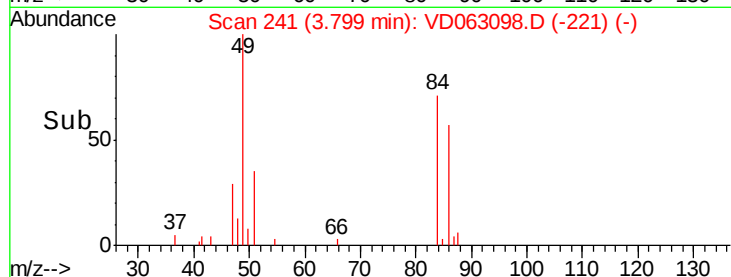
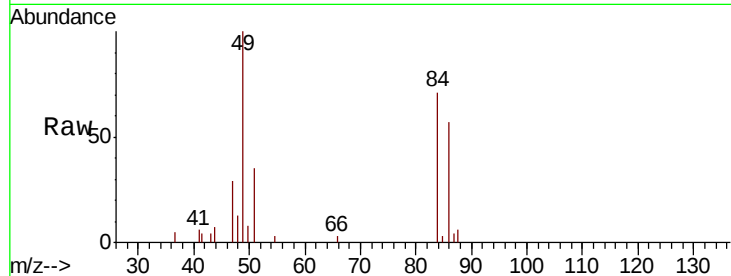




#20
Methylene Chloride
Concen: 3.192 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD063098.D
Acq: 16 Jul 2019 11:27

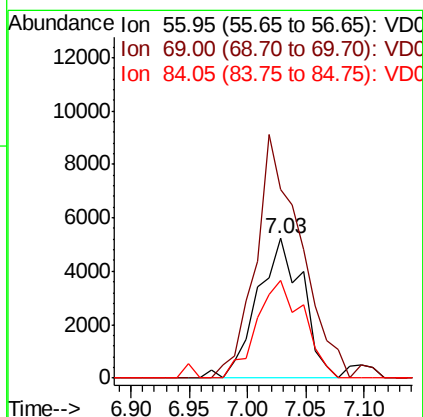
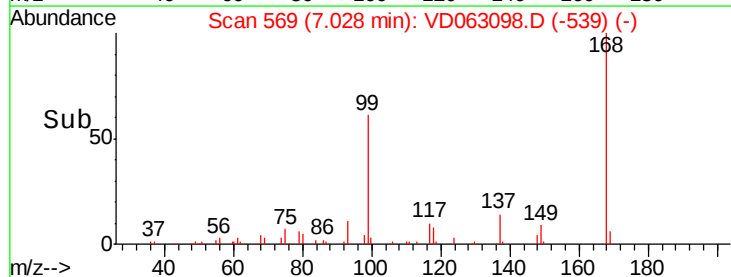
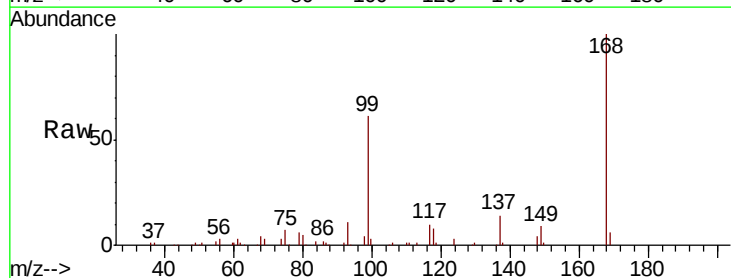
Instrument :
MSVOA_D
ClientSampleId :
SU-04-071119-A

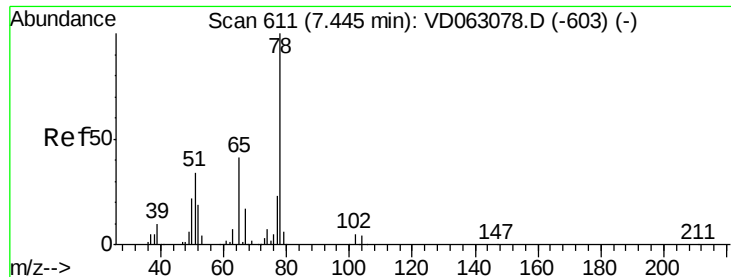
Tgt Ion: 84 Resp: 20775
Ion Ratio Lower Upper
84 100
49 141.3 110.5 165.7
51 49.6 34.6 51.8
86 81.1 51.6 77.4#



#31
Cyclohexane
Concen: 2.068 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD063098.D
Acq: 16 Jul 2019 11:27

Tgt Ion: 56 Resp: 14042
Ion Ratio Lower Upper
56 100
69 134.9 25.3 37.9#
84 70.1 64.2 96.4

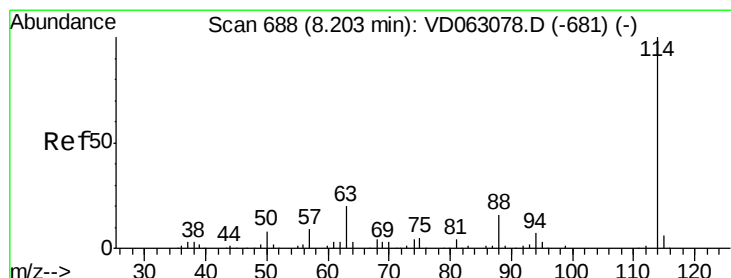
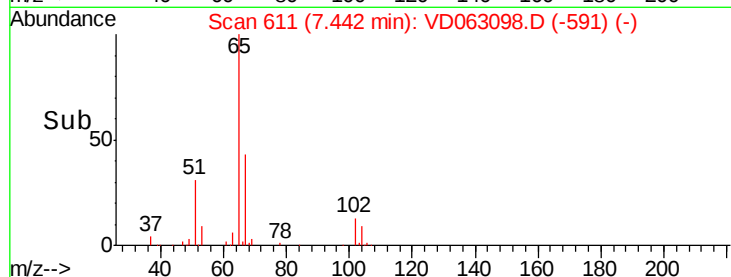
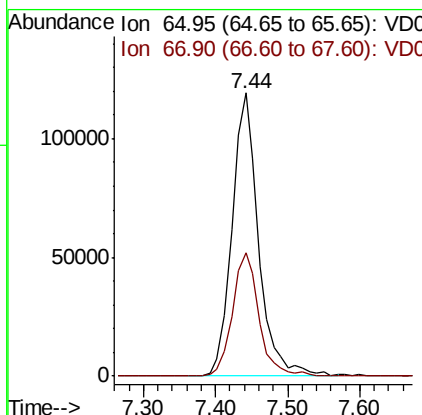
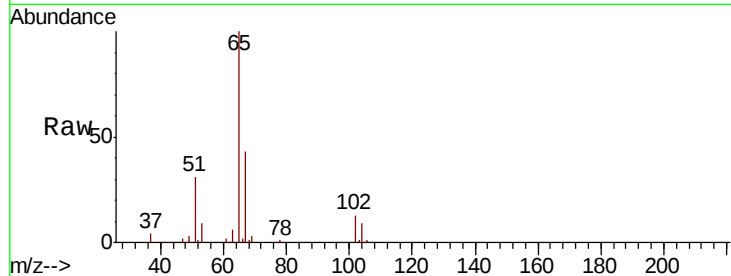




#33
 1,2-Dichloroethane-d4
 Concen: 42.725 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD063098.D
 Acq: 16 Jul 2019 11:27

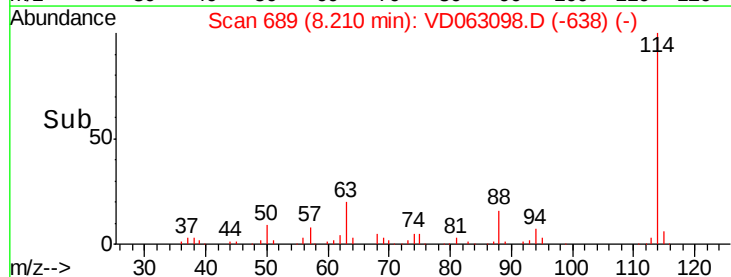
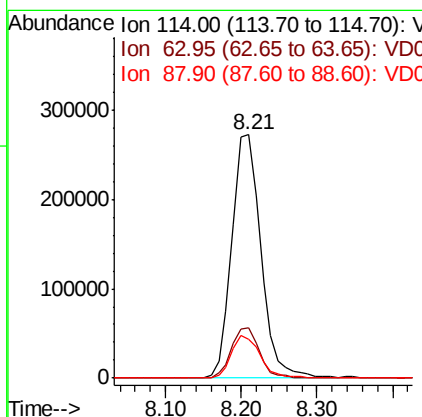
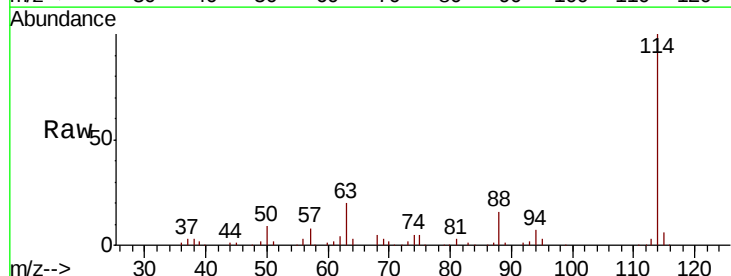
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-071119-A

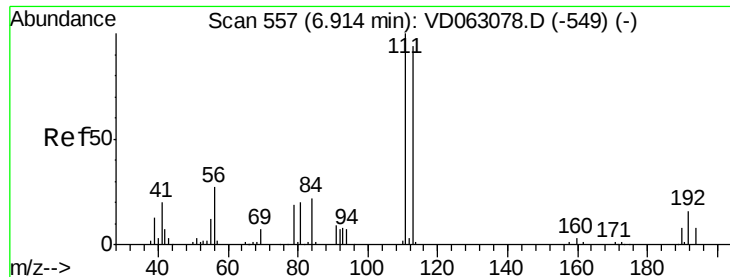
Tgt Ion: 65 Resp: 304710
 Ion Ratio Lower Upper
 65 100
 67 43.4 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063098.D
 Acq: 16 Jul 2019 11:27

Tgt Ion: 114 Resp: 725725
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.6
 88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 43.847 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD063098.D

Acq: 16 Jul 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

SU-04-071119-A

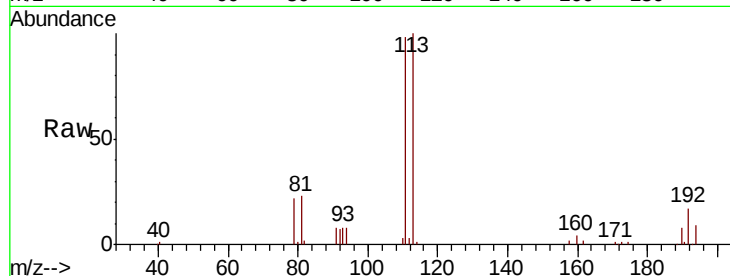
Tgt Ion:113 Resp: 316944

Ion Ratio Lower Upper

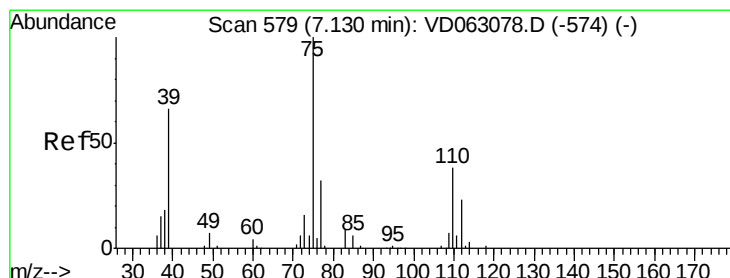
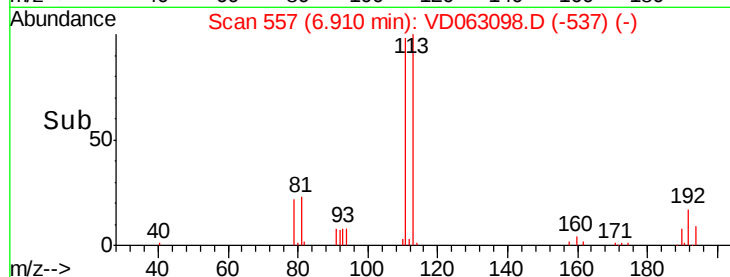
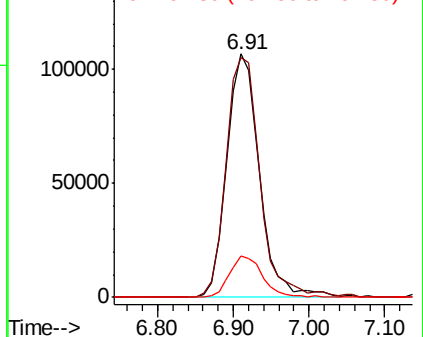
113 100

111 98.3 84.8 127.2

192 16.9 13.4 20.0



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: 5.520 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063098.D

Acq: 16 Jul 2019 11:27

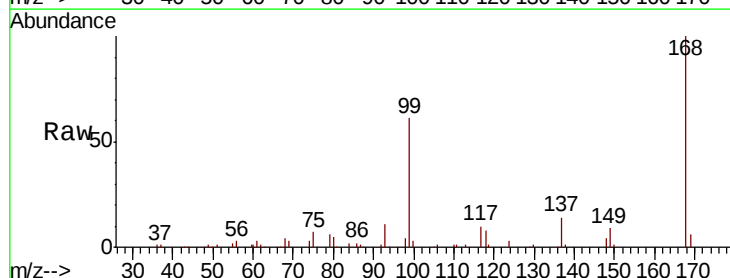
Tgt Ion: 75 Resp: 45057

Ion Ratio Lower Upper

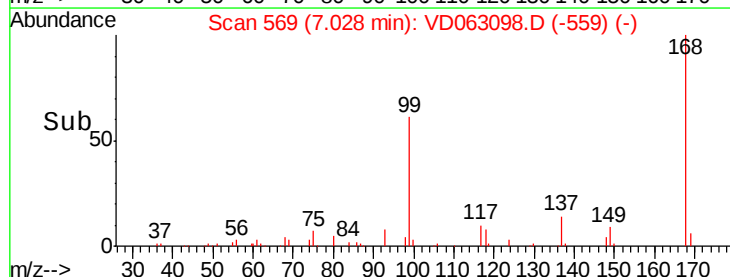
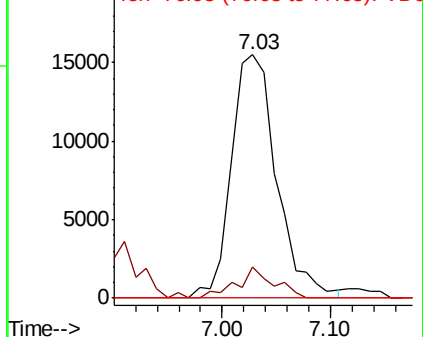
75 100

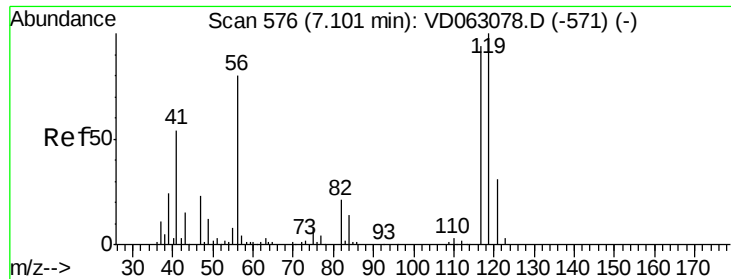
110 12.9 18.9 56.5#

77 0.0 25.2 37.8#



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

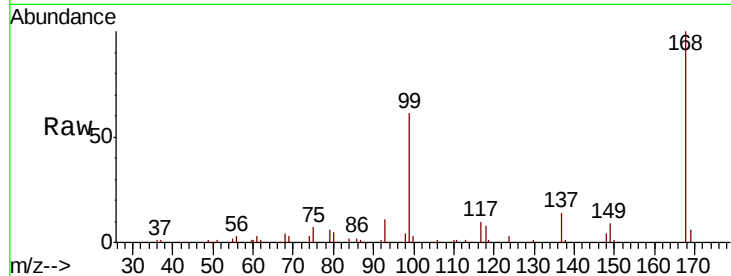




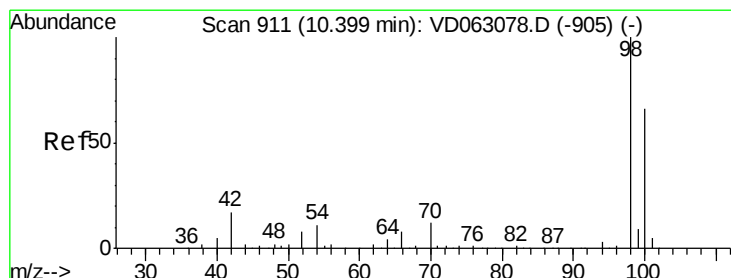
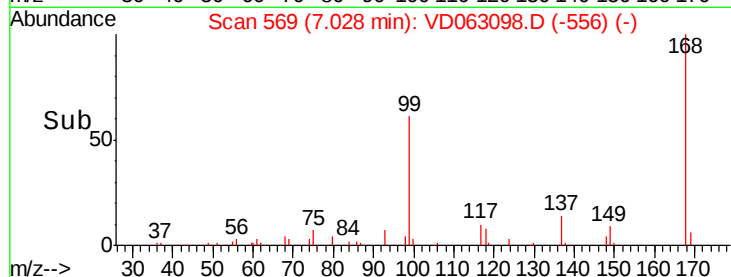
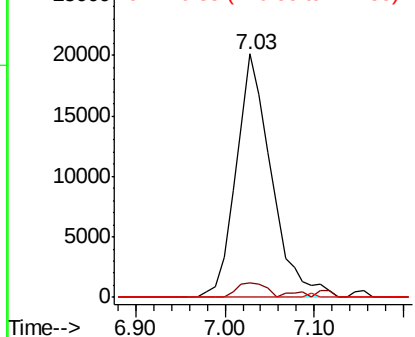
#38
Carbon Tetrachloride
Concen: 4.448 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD063098.D
Acq: 16 Jul 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
SU-04-071119-A

Tgt Ion:117 Resp: 55168
Ion Ratio Lower Upper
117 100
119 5.8 80.0 120.0#
121 0.0 25.0 37.4#

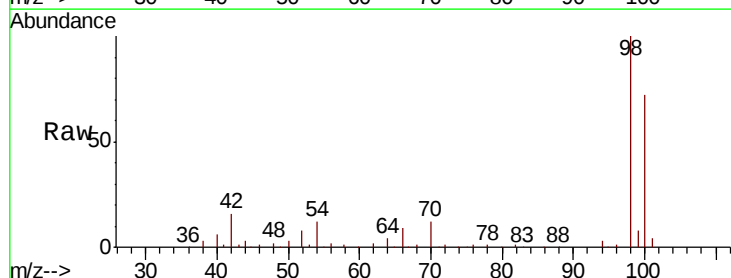


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

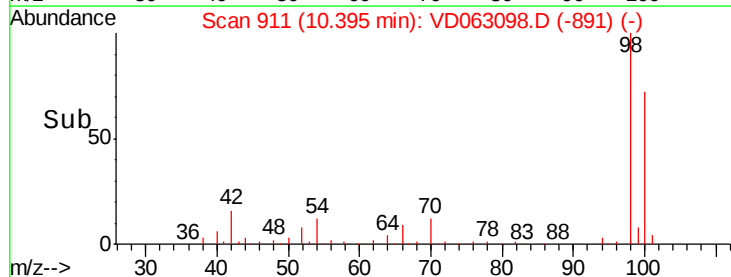
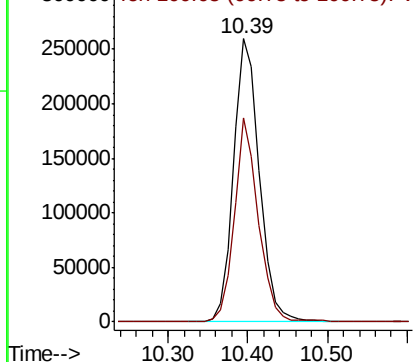


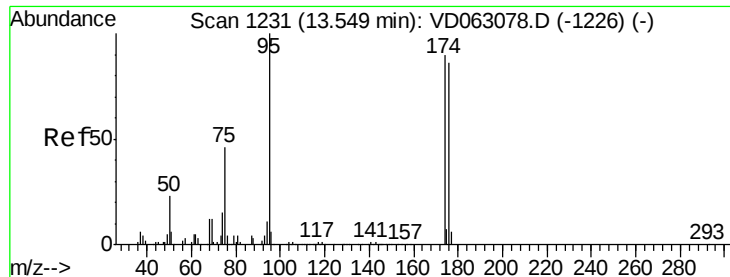
#50
Toluene-d8
Concen: 37.816 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD063098.D
Acq: 16 Jul 2019 11:27

Tgt Ion: 98 Resp: 587157
Ion Ratio Lower Upper
98 100
100 72.2 53.5 80.3



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





#62

4-Bromofluorobenzene

Concen: 35.233 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063098.D

Acq: 16 Jul 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

SU-04-071119-A

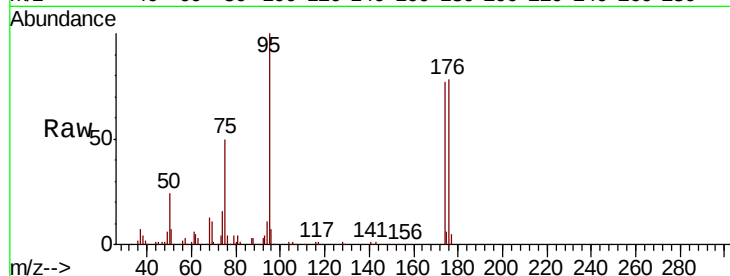
Tgt Ion: 95 Resp: 253085

Ion Ratio Lower Upper

95 100

174 76.9 0.0 180.6

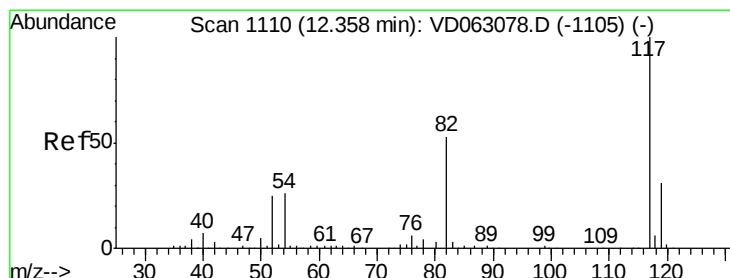
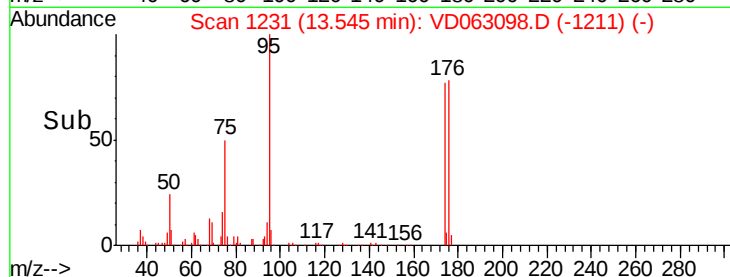
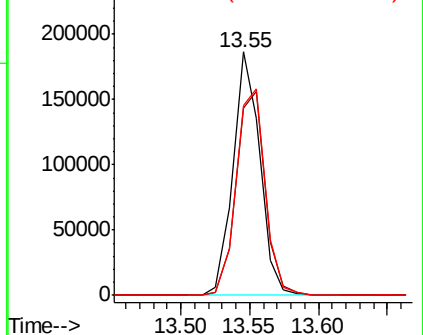
176 78.1 0.0 172.2



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: 12.35 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD063098.D

Acq: 16 Jul 2019 11:27

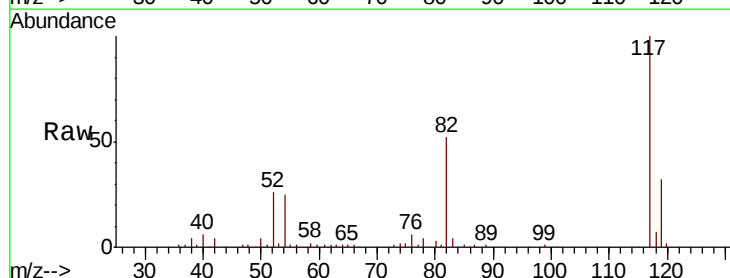
Tgt Ion: 117 Resp: 572445

Ion Ratio Lower Upper

117 100

82 51.9 42.3 63.5

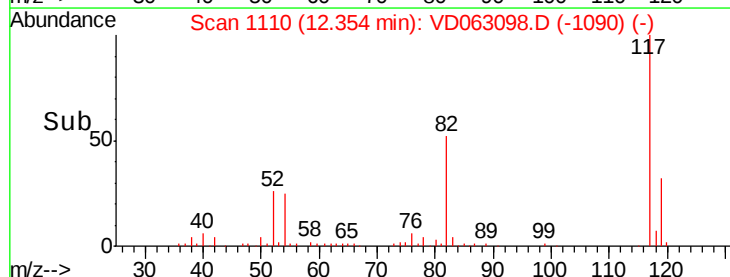
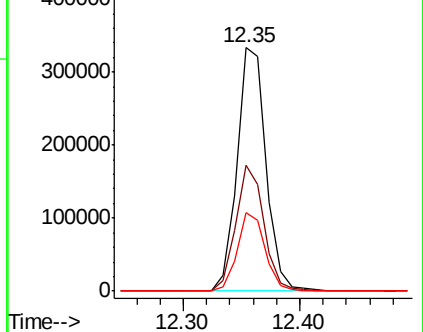
119 32.1 25.2 37.8

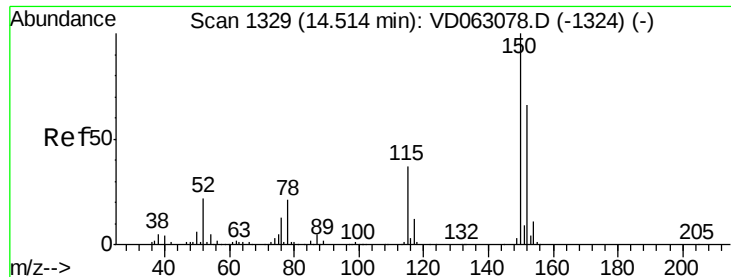


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.00 min

Lab File: VD063098.D

Acq: 16 Jul 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

SU-04-071119-A

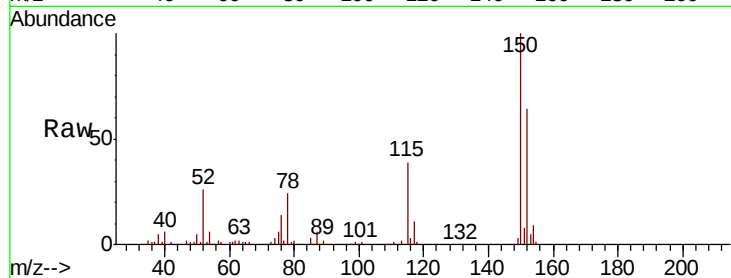
Tgt Ion:152 Resp: 249189

Ion Ratio Lower Upper

152 100

115 61.3 28.9 86.8

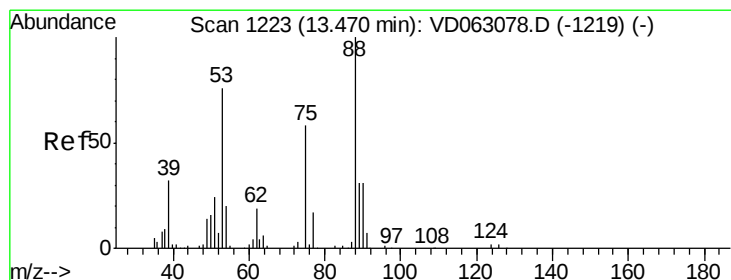
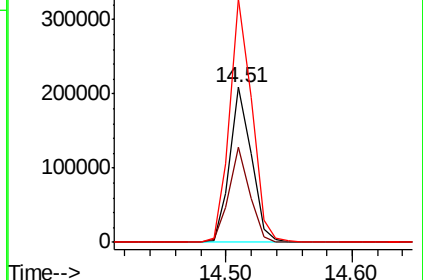
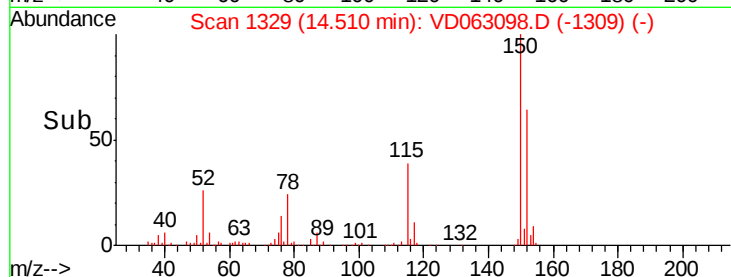
150 157.3 0.0 313.8



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: 123.011 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD063098.D

Acq: 16 Jul 2019 11:27

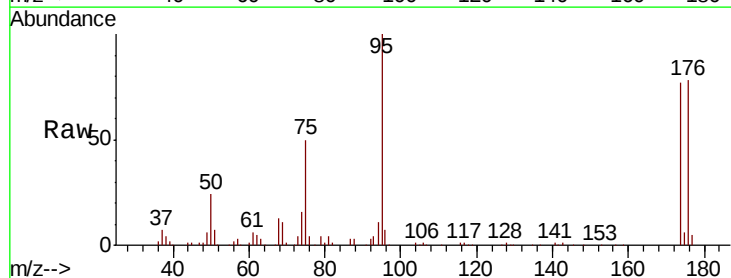
Tgt Ion: 75 Resp: 124172

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#



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

