

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063087.D
 Acq On : 15 Jul 2019 18:16
 Operator : VA/AP
 Sample : K3626-07
 Misc : 6.31g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jul 16 08:22:22 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	748790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1038169	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	833359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	433581	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	484181	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
35) Dibromofluoromethane	6.92	113	544241	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
50) Toluene-d8	10.40	98	1127007	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	13.55	95	446659	43.47	ug/l	0.00
Spiked Amount			Recovery	=	86.94%	

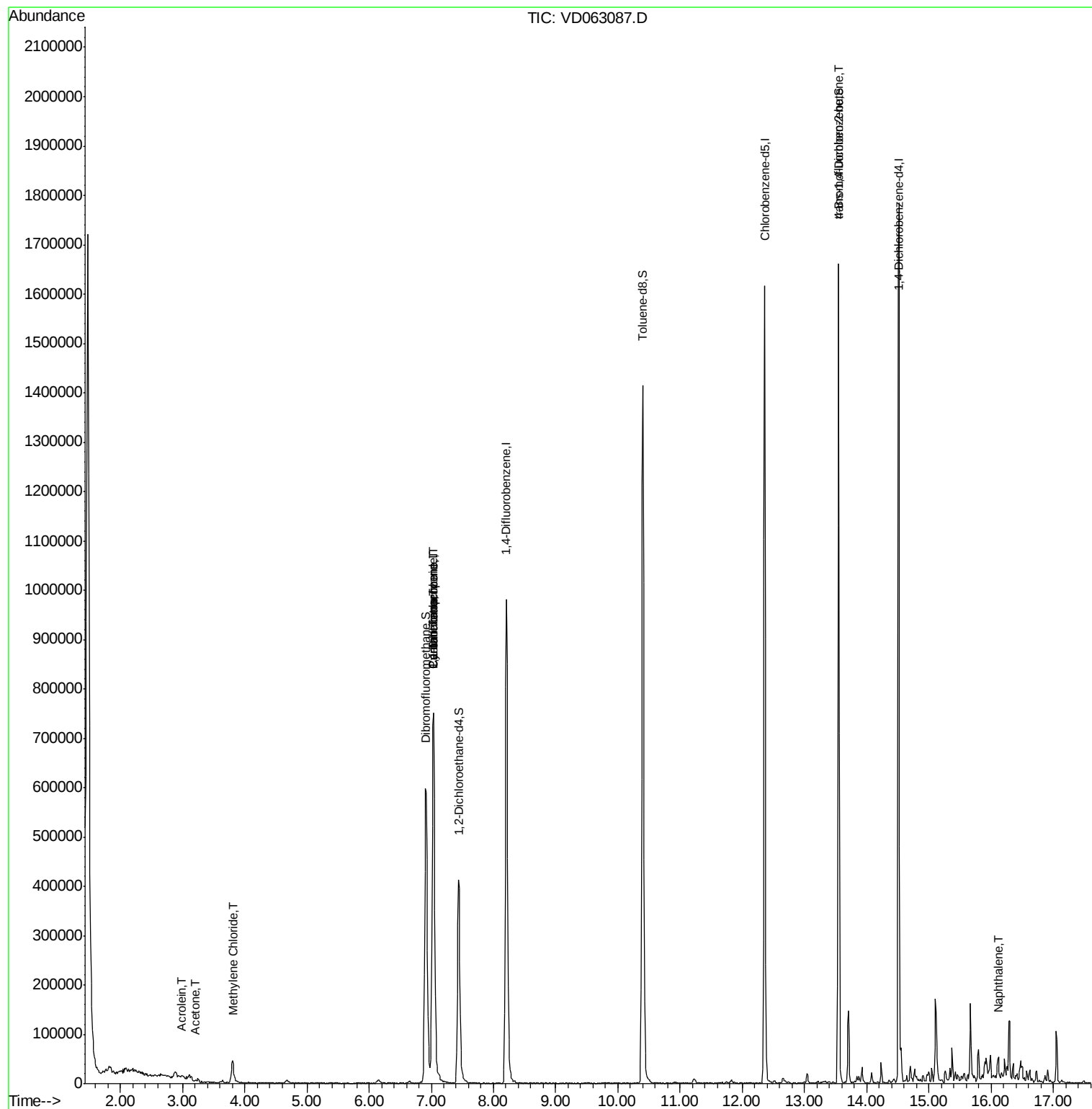
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	180	Below Cal	#	43
3) Chloromethane	1.82	50	1033	Below Cal		97
5) Bromomethane	2.10	94	1313	Below Cal	#	13
13) Acrolein	3.00	56	188	1.157	ug/l #	1
16) Acetone	3.21	43	8340	3.702	ug/l	99
18) Methyl Acetate	3.64	43	8463	Below Cal		93
20) Methylene Chloride	3.81	84	28610	3.361	ug/l	93
31) Cyclohexane	7.03	56	17771	2.001	ug/l #	24
36) 1,1-Dichloropropene	7.03	75	58528	5.013	ug/l #	45
38) Carbon Tetrachloride	7.03	117	73987	4.170	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	208010	118.431	ug/l #	1
95) Naphthalene	16.12	128	26520	1.598	ug/l #	95

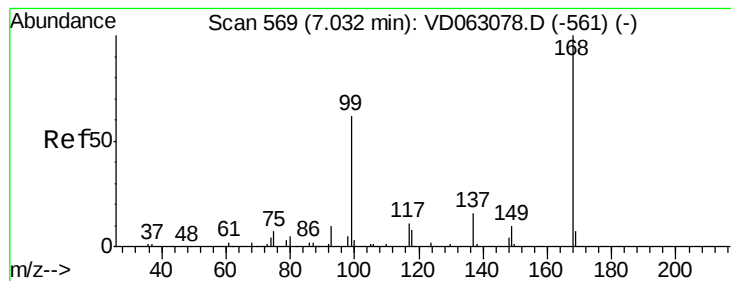
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071519\
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SU-04-071119-B

Quant Time: Jul 16 08:22:22 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# 570

Delta R.T. 0.00 min

Lab File: VD063087.D

Acq: 15 Jul 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

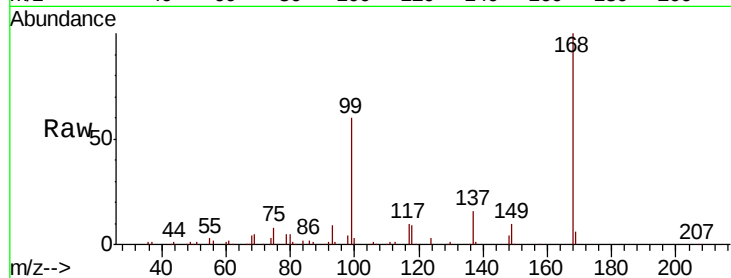
SU-04-071119-B

Tot Ion:168 Resp: 748790

Ion Ratio Lower Upper

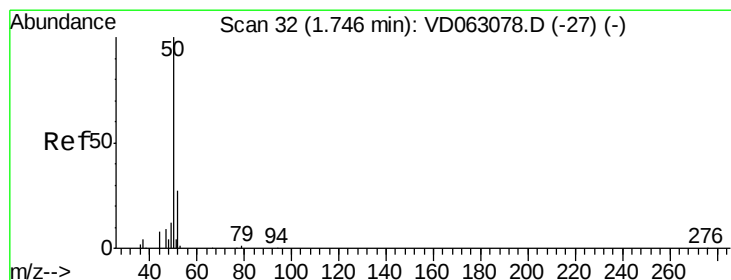
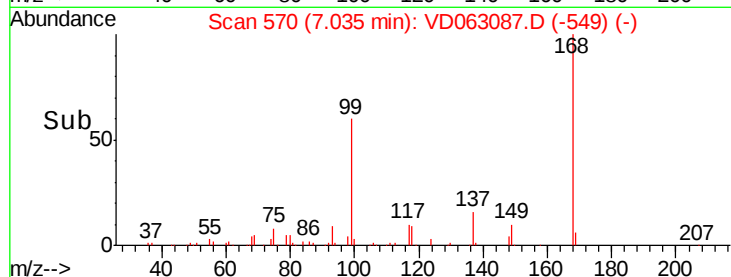
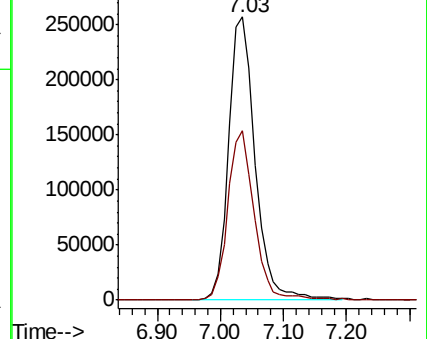
168 100

99 59.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.82 min Scan# 40

Delta R.T. 0.07 min

Lab File: VD063087.D

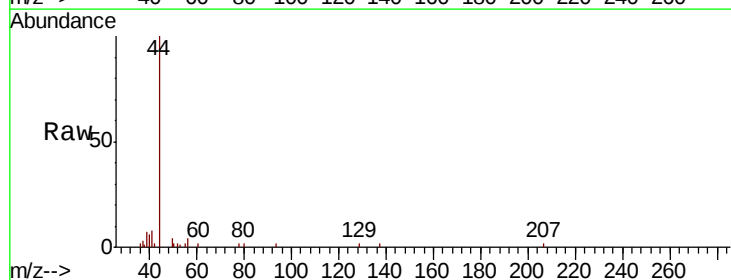
Acq: 15 Jul 2019 18:16

Tgt Ion: 50 Resp: 1033

Ion Ratio Lower Upper

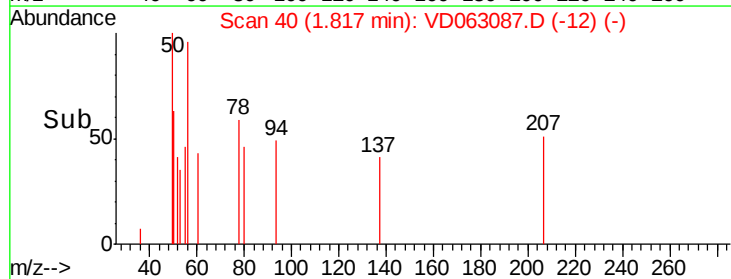
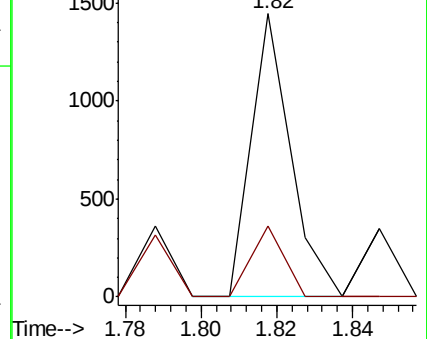
50 100

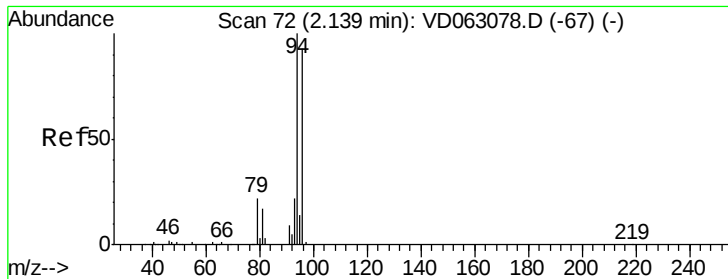
52 25.1 21.4 32.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.10 min Scan# 69

Delta R.T. -0.04 min

Lab File: VD063087.D

Acq: 15 Jul 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

SU-04-071119-B

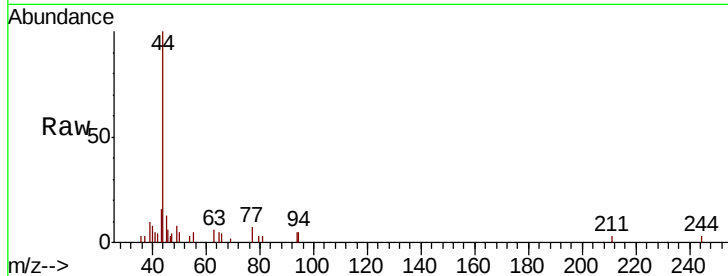
Tot Ion: 94 Resp: 1313

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

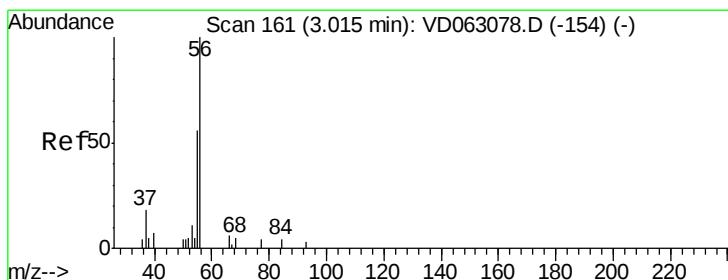
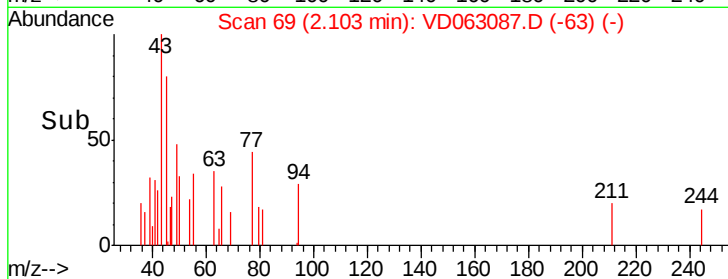
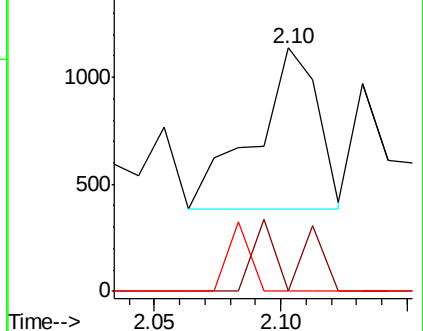
93 0.0 17.8 26.6#



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



#13

Acrolein

Concen: 1.157 ug/l

RT: 3.00 min Scan# 160

Delta R.T. -0.02 min

Lab File: VD063087.D

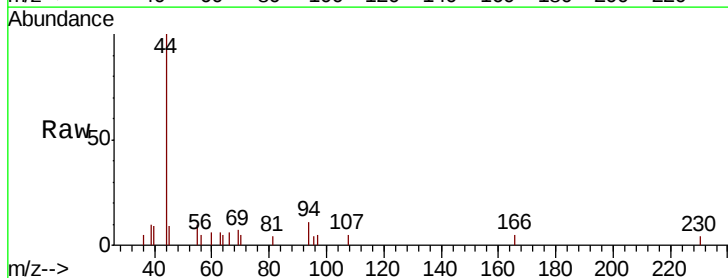
Acq: 15 Jul 2019 18:16

Tgt Ion: 56 Resp: 188

Ion Ratio Lower Upper

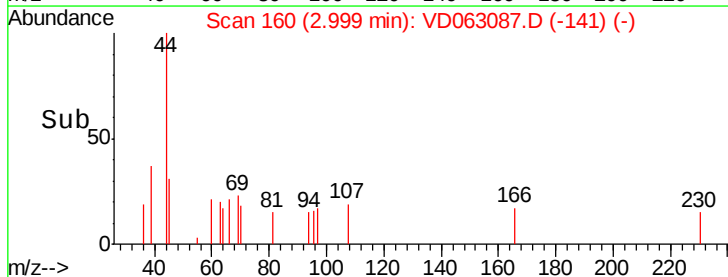
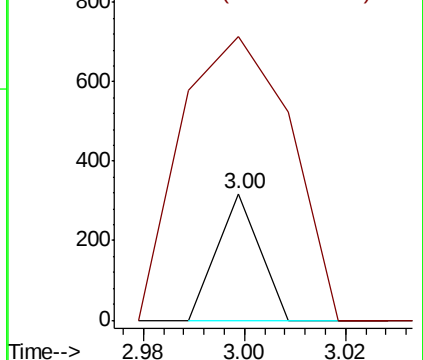
56 100

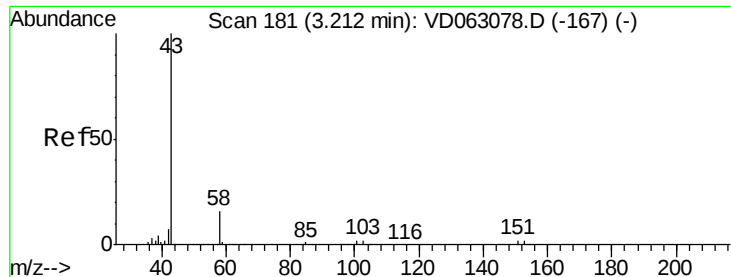
55 223.5 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 3.702 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063087.D

Acq: 15 Jul 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

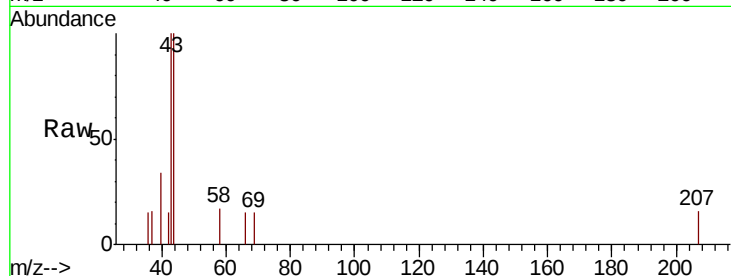
SU-04-071119-B

Tot Ion: 43 Resp: 8340

Ion Ratio Lower Upper

43 100

58 16.8 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2500

2000

1500

1000

500

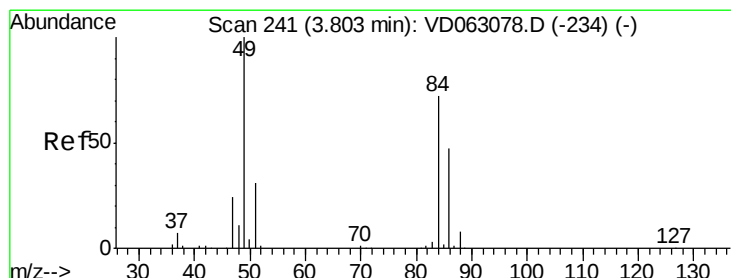
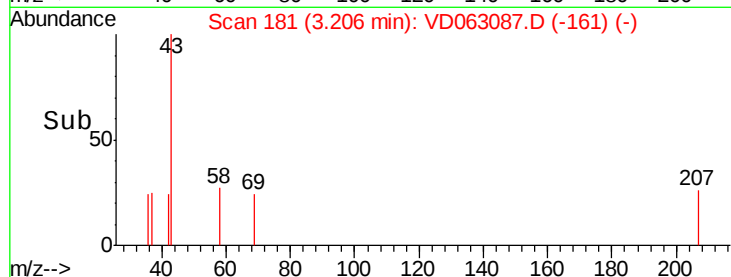
0

3.10

3.20

3.30

Time-->



#20

Methylene Chloride

Concen: 3.361 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD063087.D

Acq: 15 Jul 2019 18:16

Tgt Ion: 84 Resp: 28610

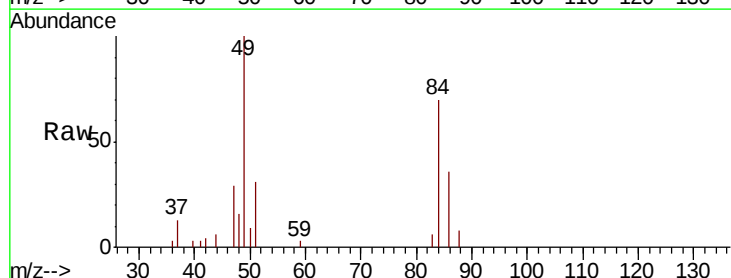
Ion Ratio Lower Upper

84 100

49 142.9 110.5 165.7

51 44.8 34.6 51.8

86 52.0 51.6 77.4



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

20000

15000

10000

5000

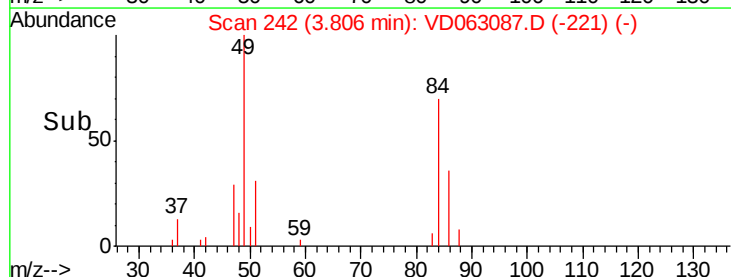
0

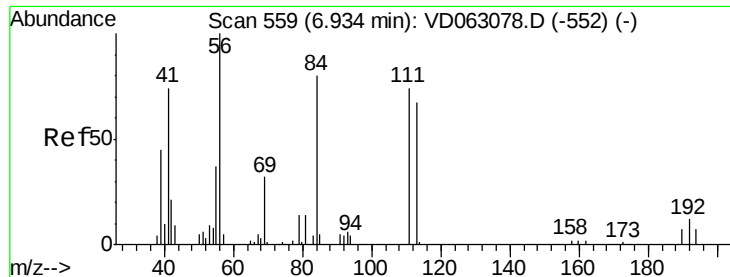
3.70

3.80

3.90

Time-->

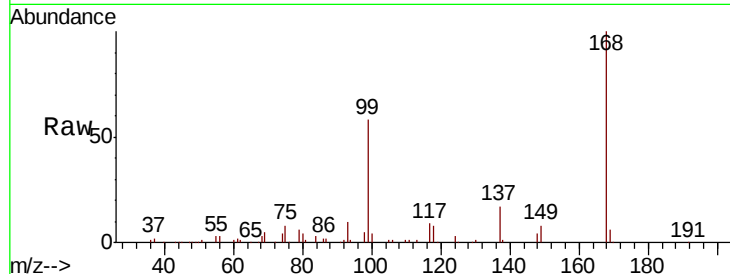




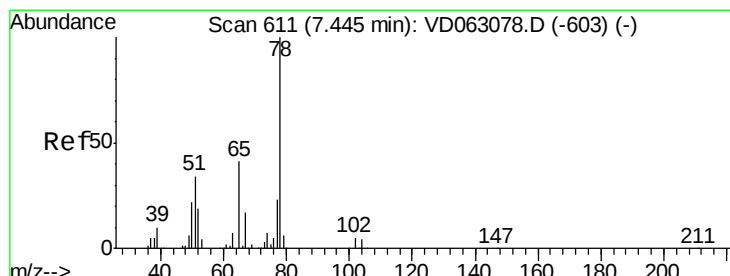
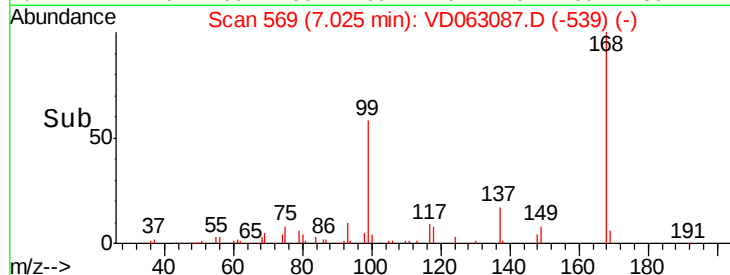
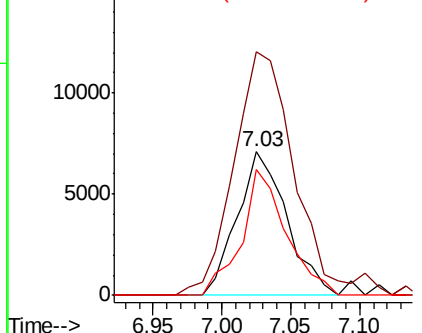
#31
Cyclohexane
Concen: 2.001 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD063087.D
Acq: 15 Jul 2019 18:16

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

Tot Ion: 56 Resp: 17771
Ion Ratio Lower Upper
56 100
69 169.4 25.3 37.9#
84 87.8 64.2 96.4

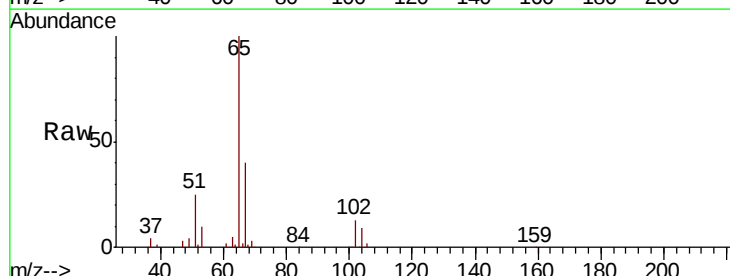


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

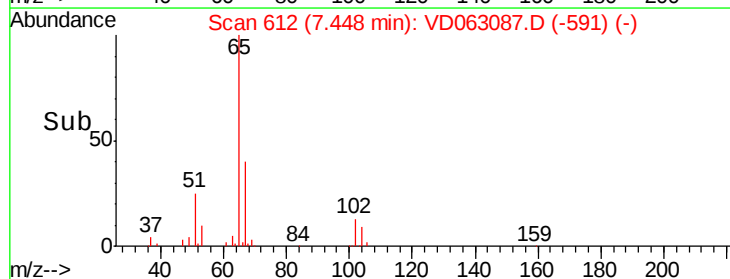
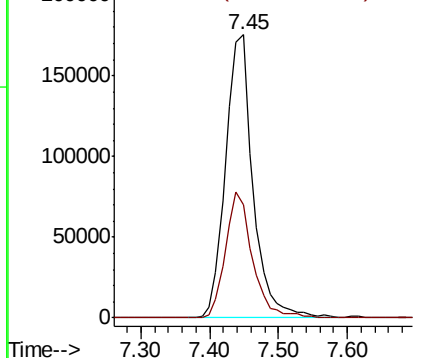


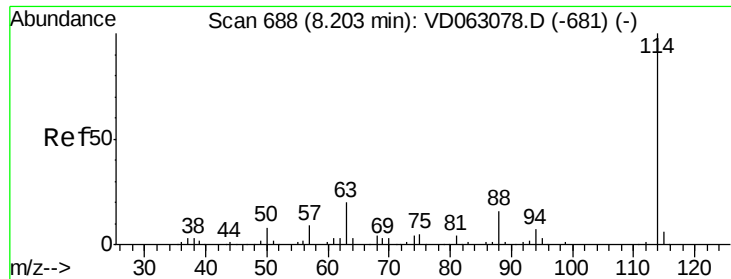
#33
1,2-Dichloroethane-d4
Concen: 51.908 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD063087.D
Acq: 15 Jul 2019 18:16

Tgt Ion: 65 Resp: 484181
Ion Ratio Lower Upper
65 100
67 40.0 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

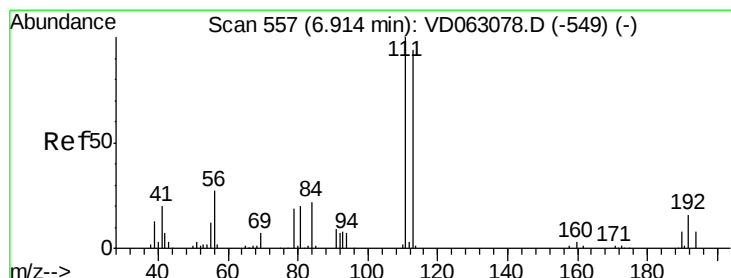
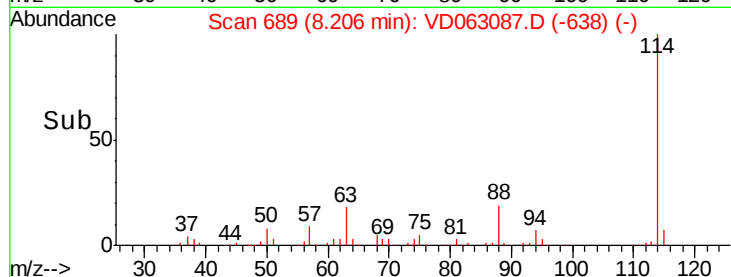
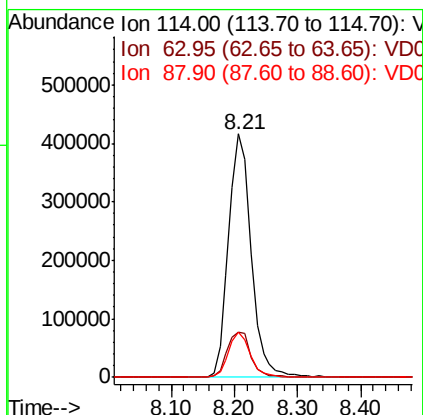
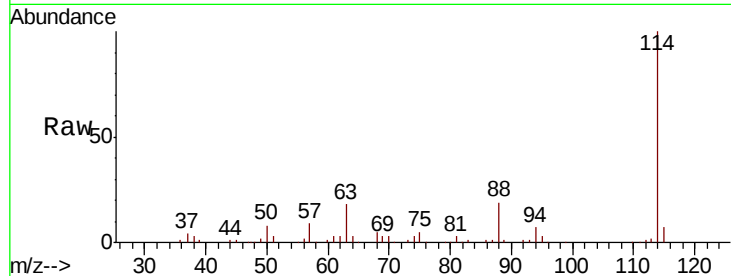




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063087.D
 Acq: 15 Jul 2019 18:16

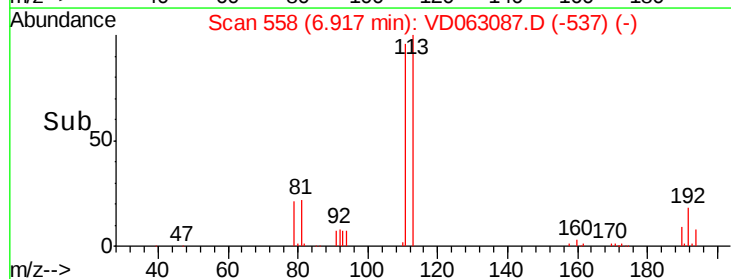
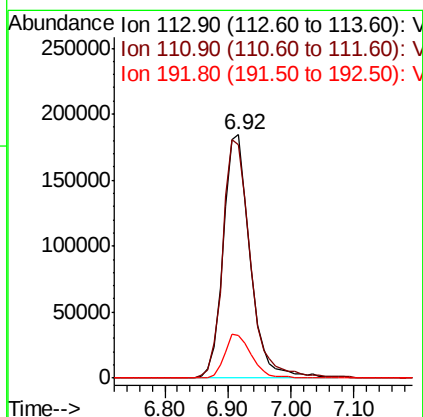
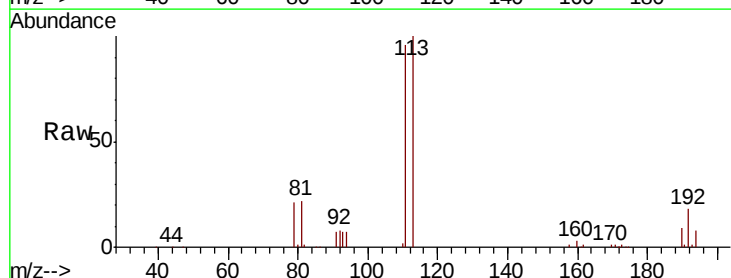
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-071119-B

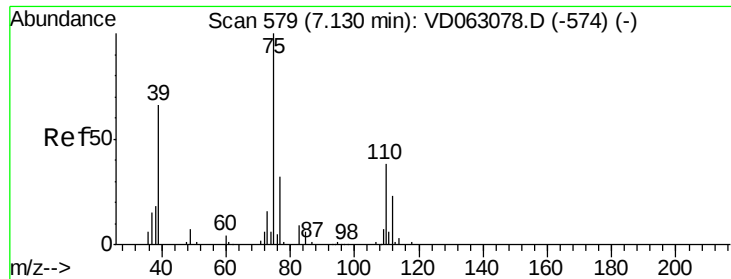
Tot Ion:114 Resp: 1038169
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 40.6
 88 18.6 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 52.632 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD063087.D
 Acq: 15 Jul 2019 18:16

Tgt Ion:113 Resp: 544241
 Ion Ratio Lower Upper
 113 100
 111 95.7 84.8 127.2
 192 17.5 13.4 20.0





#36

1,1-Dichloropropene

Concen: 5.013 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063087.D

Acq: 15 Jul 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

SU-04-071119-B

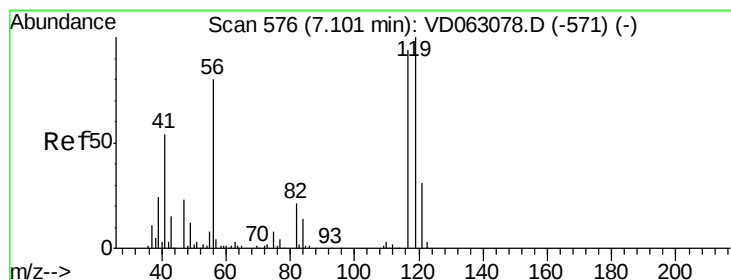
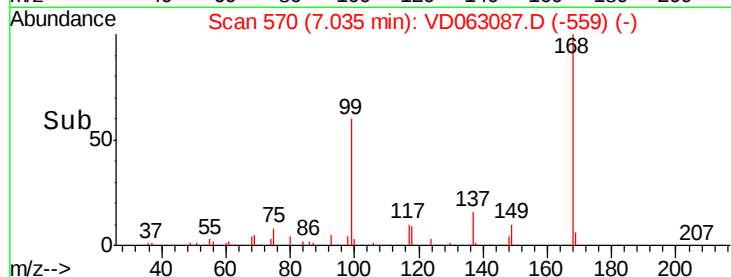
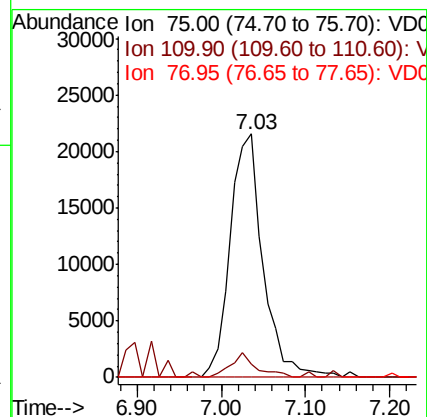
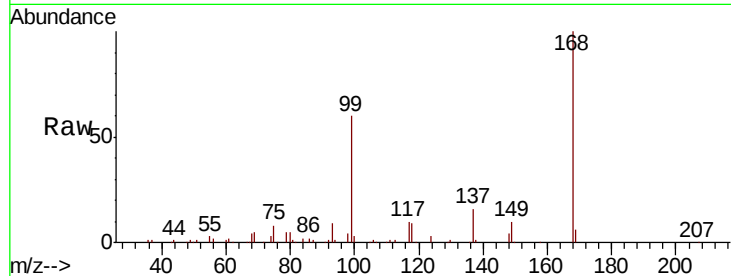
Tot Ion: 75 Resp: 58528

Ion Ratio Lower Upper

75 100

110 5.2 18.9 56.5#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 4.170 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD063087.D

Acq: 15 Jul 2019 18:16

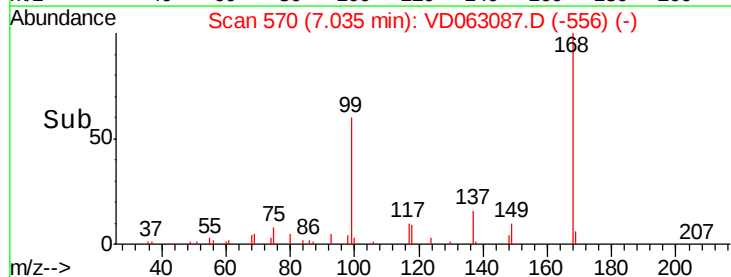
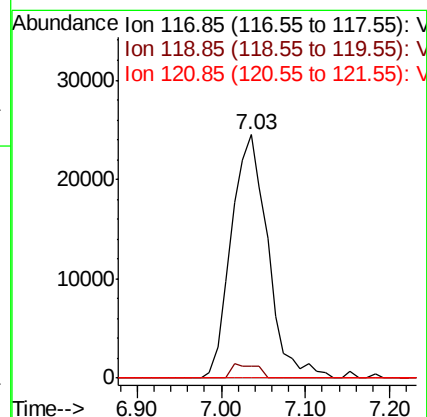
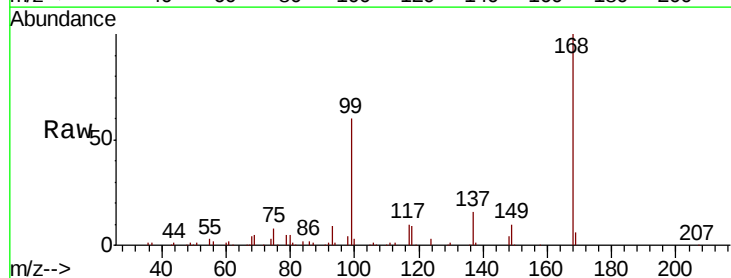
Tgt Ion: 117 Resp: 73987

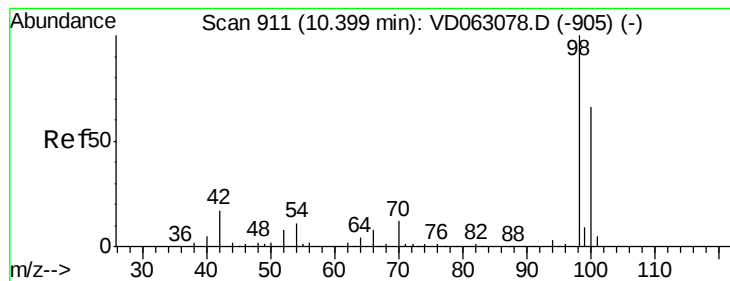
Ion Ratio Lower Upper

117 100

119 5.1 80.0 120.0#

121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 50.740 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063087.D

Acq: 15 Jul 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

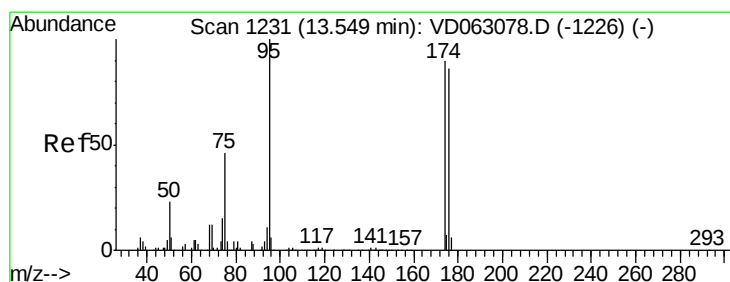
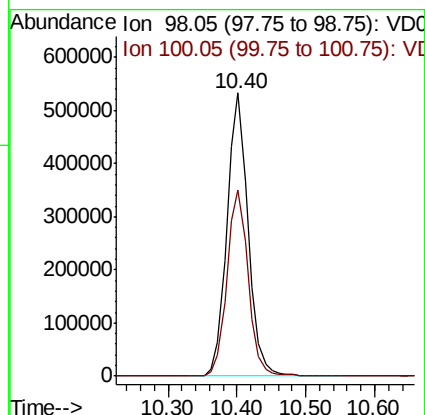
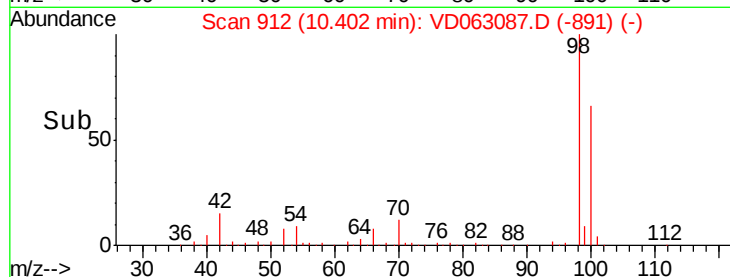
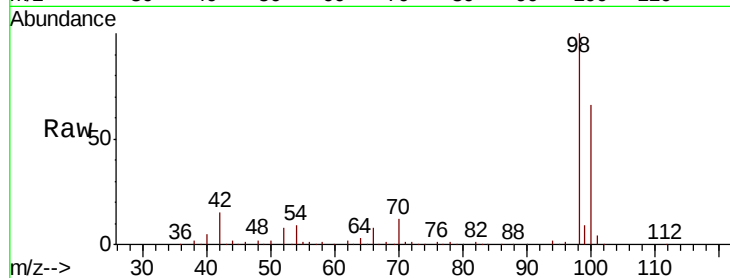
SU-04-071119-B

Tot Ion: 98 Resp: 1127007

Ion Ratio Lower Upper

98 100

100 65.8 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 43.467 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063087.D

Acq: 15 Jul 2019 18:16

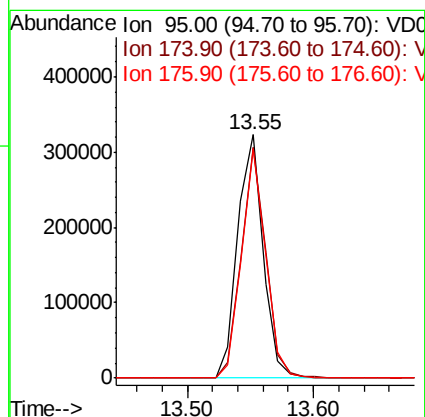
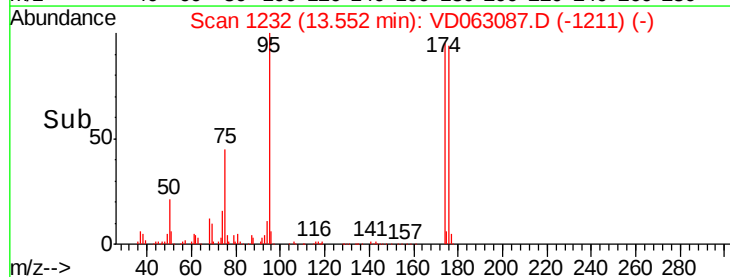
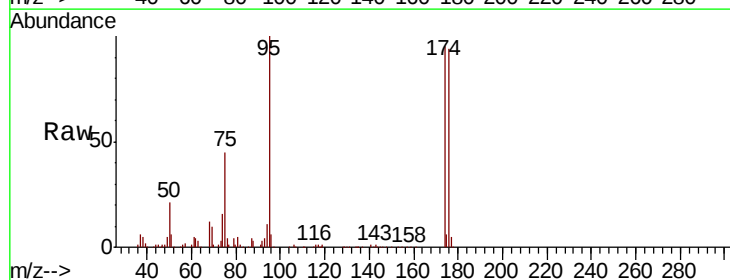
Tgt Ion: 95 Resp: 446659

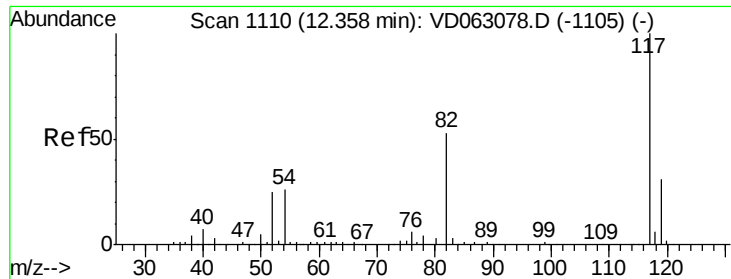
Ion Ratio Lower Upper

95 100

174 95.0 0.0 180.6

176 94.1 0.0 172.2

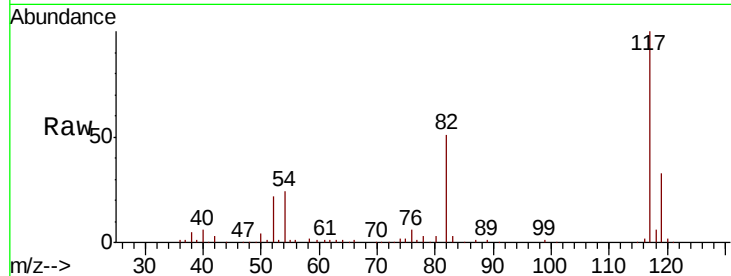




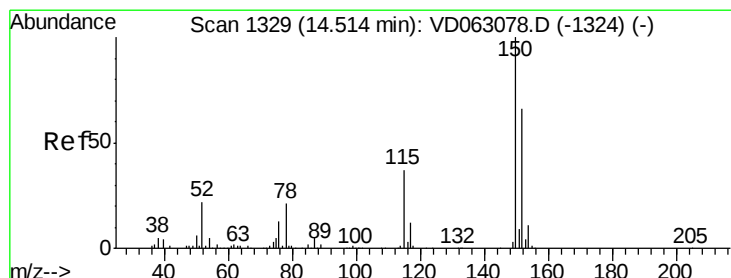
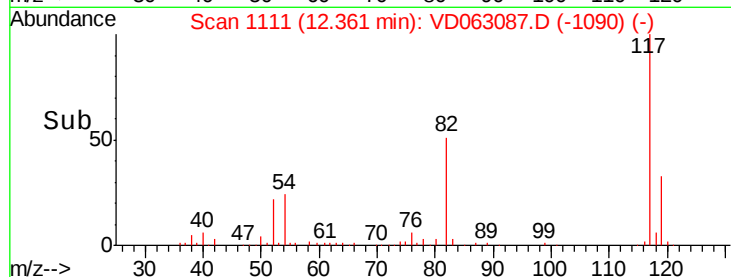
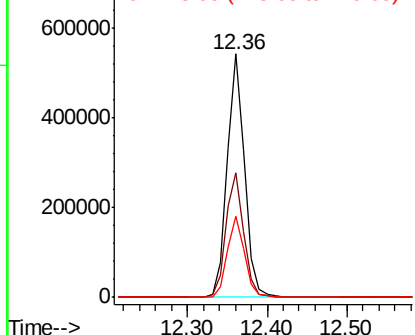
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063087.D
Acq: 15 Jul 2019 18:16

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

Tot Ion:117 Resp: 833359
Ion Ratio Lower Upper
117 100
82 51.3 42.3 63.5
119 33.4 25.2 37.8

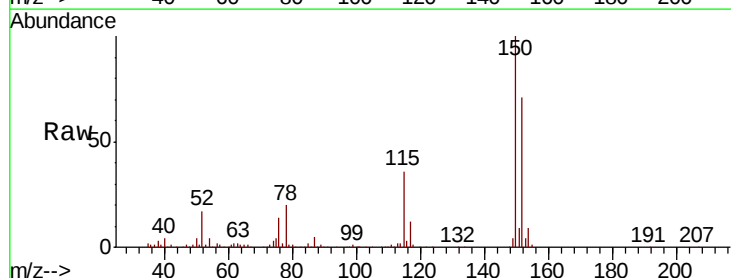


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

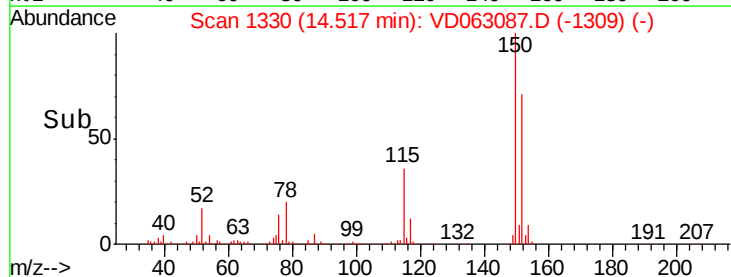
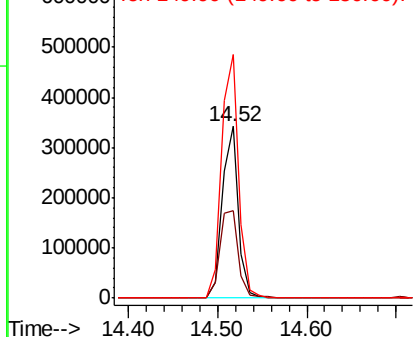


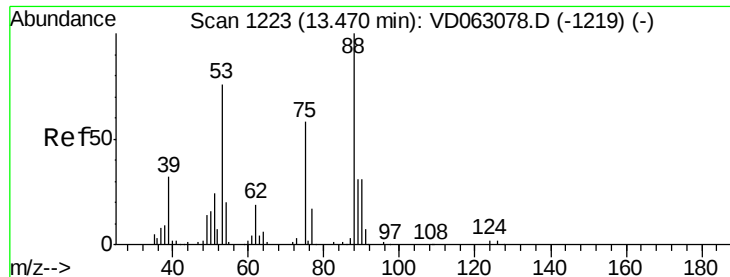
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063087.D
Acq: 15 Jul 2019 18:16

Tgt Ion:152 Resp: 433581
Ion Ratio Lower Upper
152 100
115 50.6 28.9 86.8
150 141.7 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

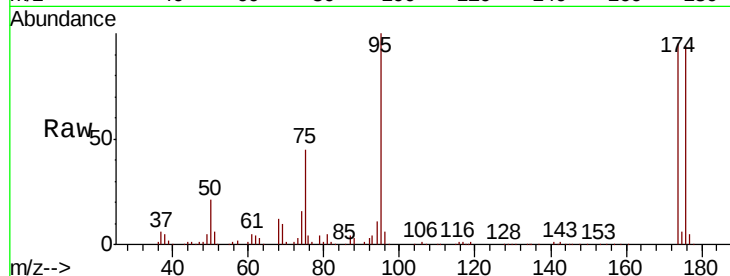




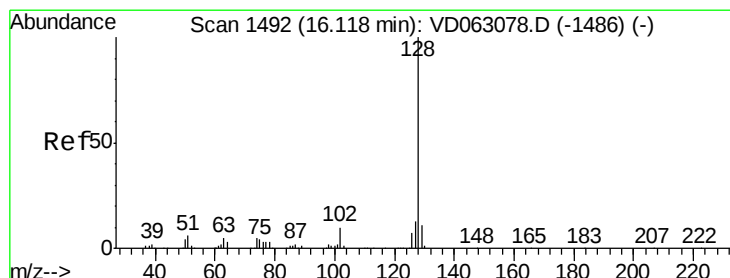
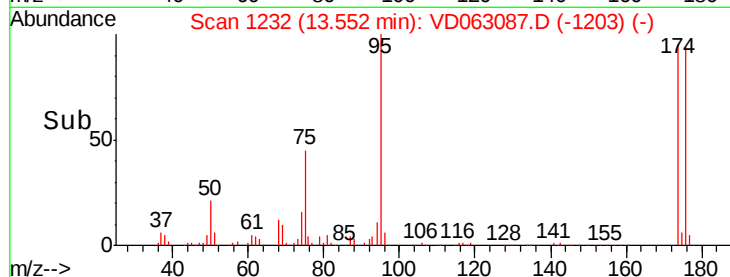
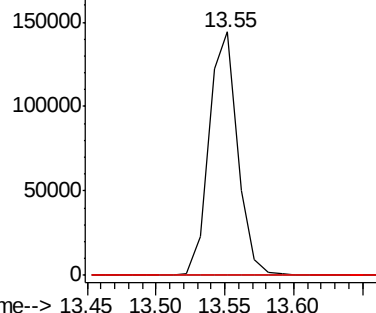
#81
trans-1,4-Dichloro-2-butene
Concen: 118.431 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD063087.D
Acq: 15 Jul 2019 18:16

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

Tot Ion: 75 Resp: 208010
Ion Ratio Lower Upper
75 100
53 0.0 104.4 156.6#
89 0.0 43.1 64.7#

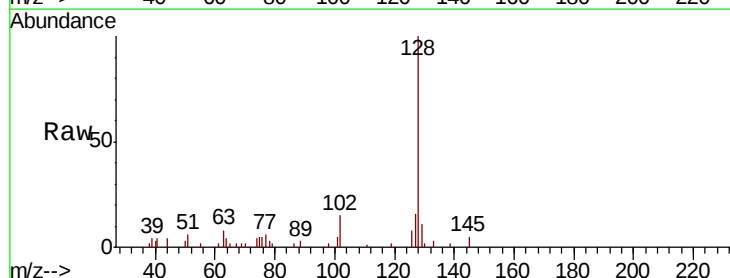


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#95
Naphthalene
Concen: 1.598 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063087.D
Acq: 15 Jul 2019 18:16

Tgt Ion:128 Resp: 26520
Ion Ratio Lower Upper
128 100
127 16.2 10.7 16.1#
129 11.5 8.7 13.1



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

