

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063437.D
 Acq On : 8 Aug 2019 14:42
 Operator : JC/SY
 Sample : K3613-03
 Misc : 3.76g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AU-05-080719-B

Quant Time: Aug 09 06:57:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	61230	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	124507	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	106789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	48610	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	63993	94.19	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	188.38%	
35) Dibromofluoromethane	6.93	113	51448	48.40	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	96.80%	
50) Toluene-d8	10.42	98	93216	39.18	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	78.36%	
62) 4-Bromofluorobenzene	13.56	95	43888	40.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.96%	

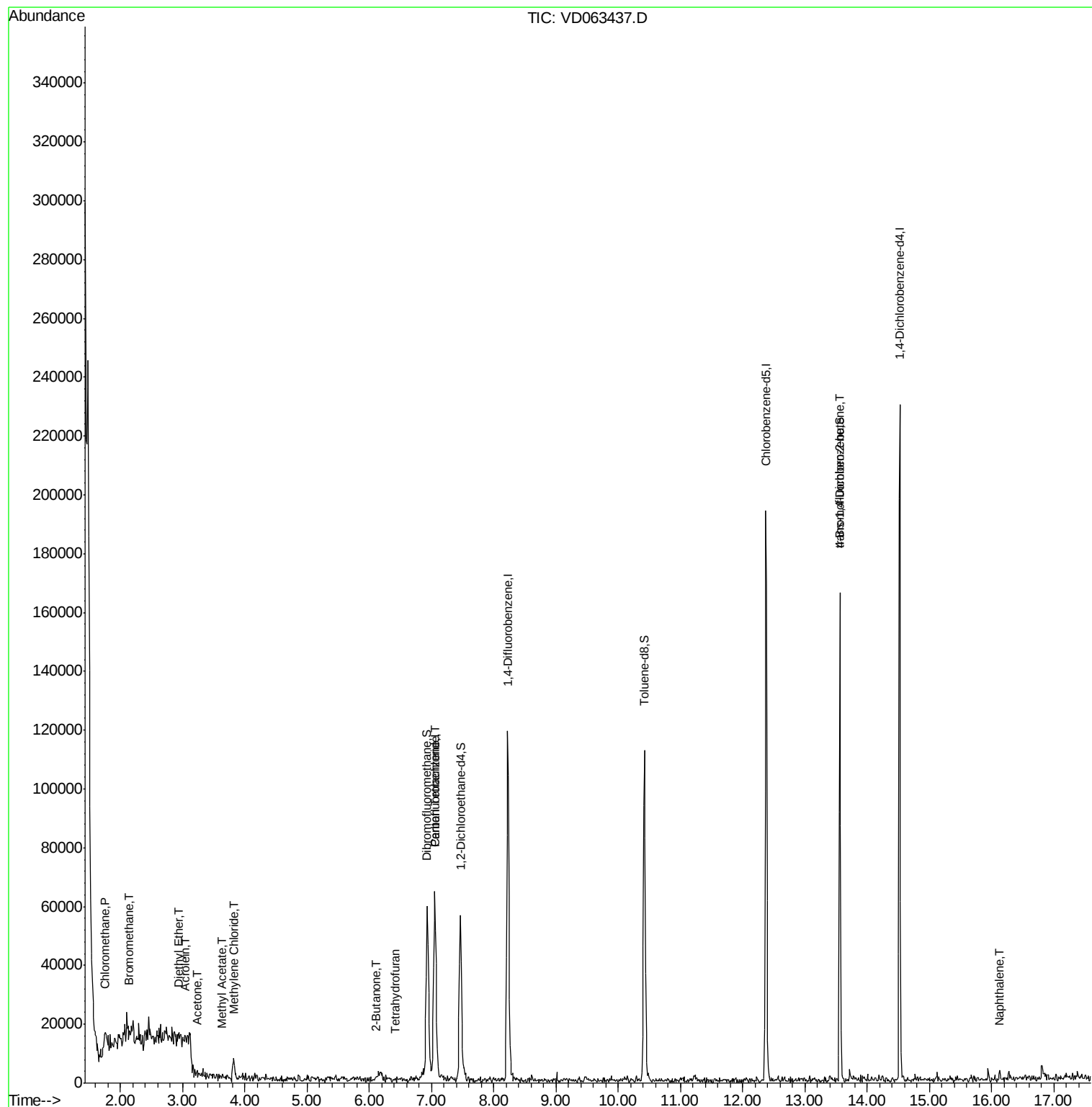
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.74	50	689	1.185	ug/l #	1
5) Bromomethane	2.14	94	898	2.958	ug/l #	12
8) Diethyl Ether	2.94	74	248	1.517	ug/l	74
13) Acrolein	3.05	56	624	21.746	ug/l #	29
16) Acetone	3.24	43	868	6.557	ug/l #	62
18) Methyl Acetate	3.65	43	741	2.914	ug/l #	60
20) Methylene Chloride	3.83	84	3497	6.536	ug/l #	63
25) 2-Butanone	6.11	43	240	1.807	ug/l #	56
29) Tetrahydrofuran	6.41	42	179	2.846	ug/l #	33
38) Carbon Tetrachloride	7.05	117	6526	3.815	ug/l #	22
81) trans-1,4-Dichloro-2-buten	13.56	75	20407	125.869	ug/l #	3
95) Naphthalene	16.12	128	2259	1.502	ug/l #	70

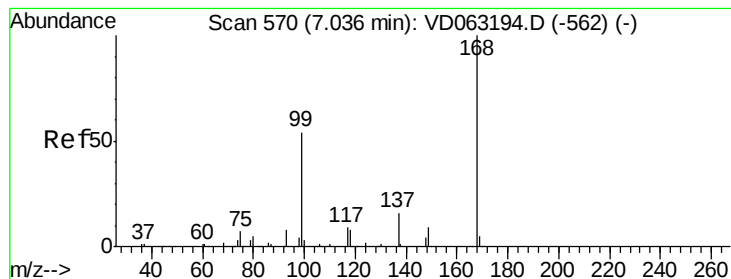
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
Data File : VD063437.D
Acq On : 8 Aug 2019 14:42
Operator : JC/SY
Sample : K3613-03
Misc : 3.76g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
AU-05-080719-B

Quant Time: Aug 09 06:57:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063437.D

Acq: 8 Aug 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

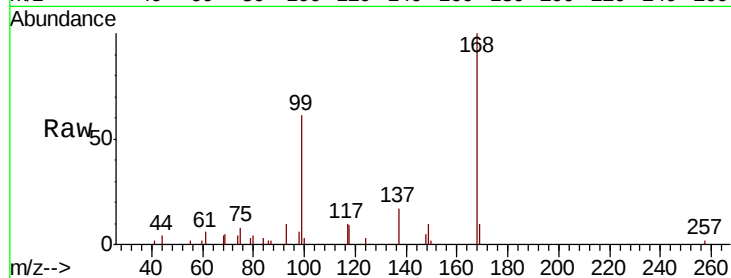
AU-05-080719-B

Tgt Ion:168 Resp: 61230

Ion Ratio Lower Upper

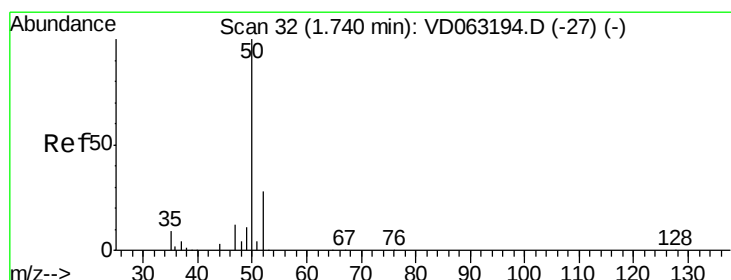
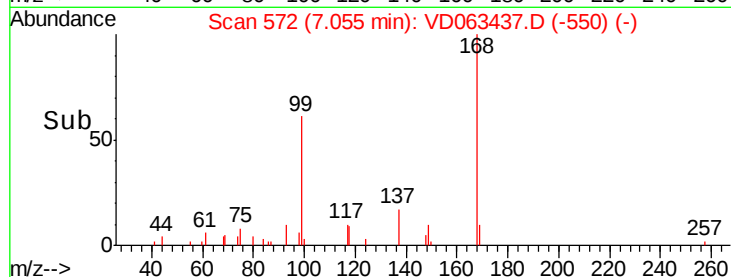
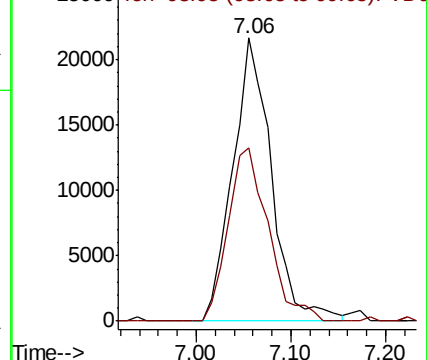
168 100

99 61.4 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 1.185 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063437.D

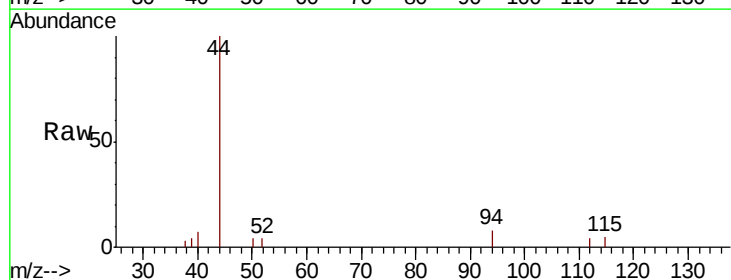
Acq: 8 Aug 2019 14:42

Tgt Ion: 50 Resp: 689

Ion Ratio Lower Upper

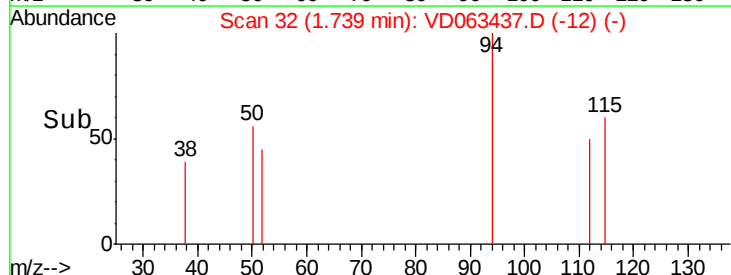
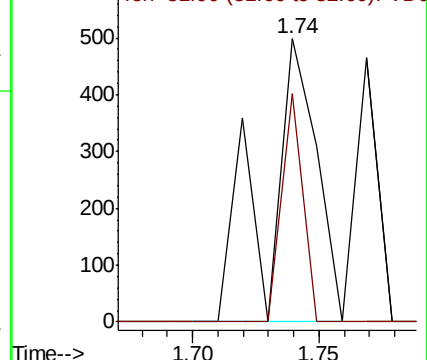
50 100

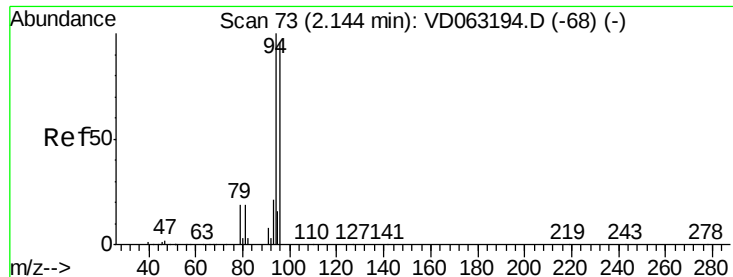
52 80.9 22.6 34.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 2.958 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063437.D

Acq: 8 Aug 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

AU-05-080719-B

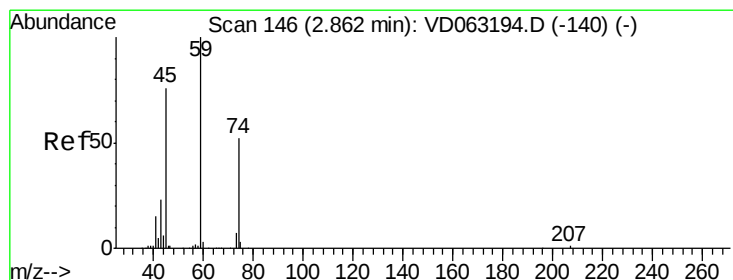
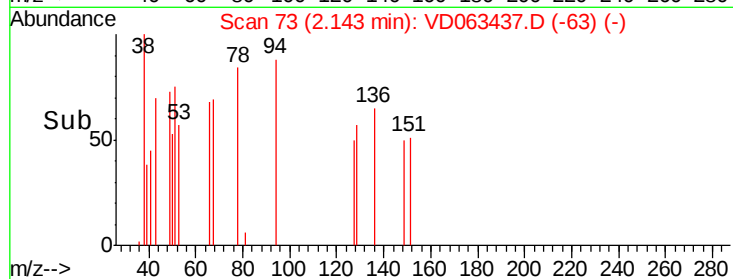
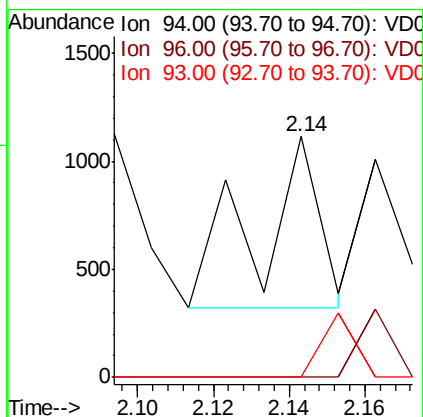
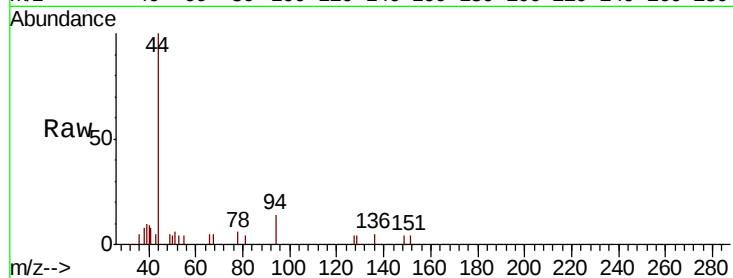
Tgt Ion: 94 Resp: 898

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

93 0.0 17.3 25.9#



#8

Diethyl Ether

Concen: 1.517 ug/l

RT: 2.94 min Scan# 154

Delta R.T. 0.08 min

Lab File: VD063437.D

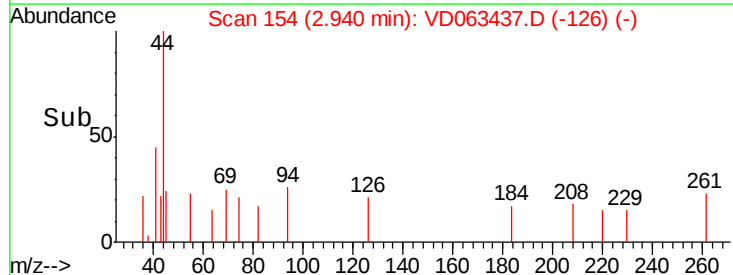
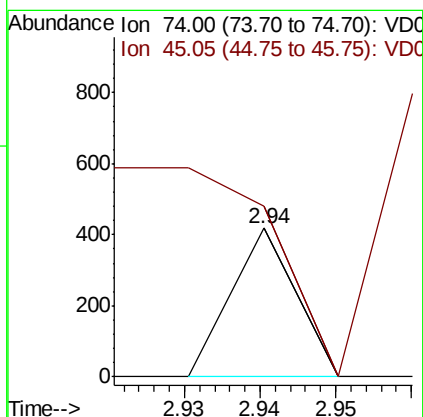
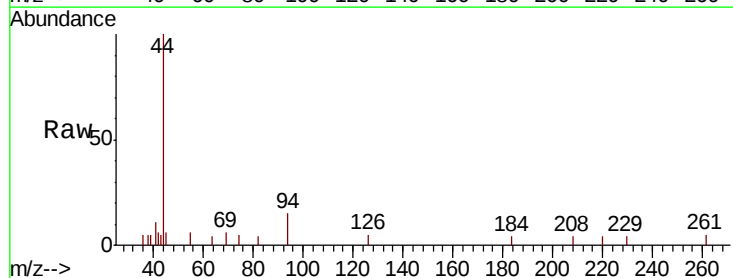
Acq: 8 Aug 2019 14:42

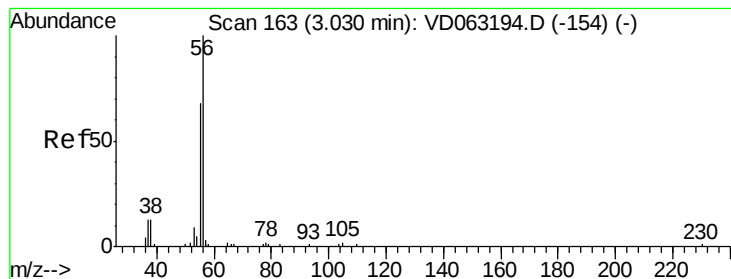
Tgt Ion: 74 Resp: 248

Ion Ratio Lower Upper

74 100

45 114.8 73.6 220.8





#13

Acrolein

Concen: 21.746 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD063437.D

Acq: 8 Aug 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

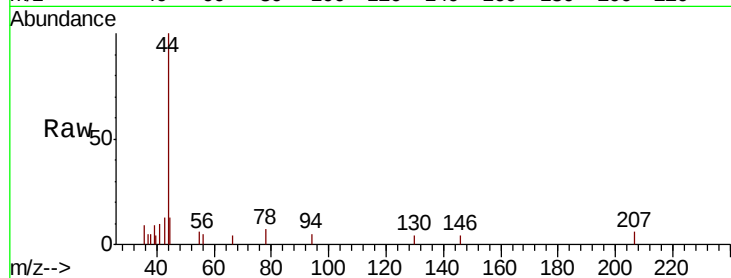
AU-05-080719-B

Tgt Ion: 56 Resp: 624

Ion Ratio Lower Upper

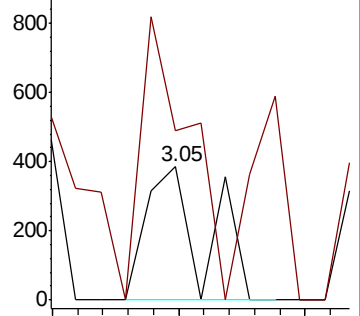
56 100

55 127.3 55.3 82.9#

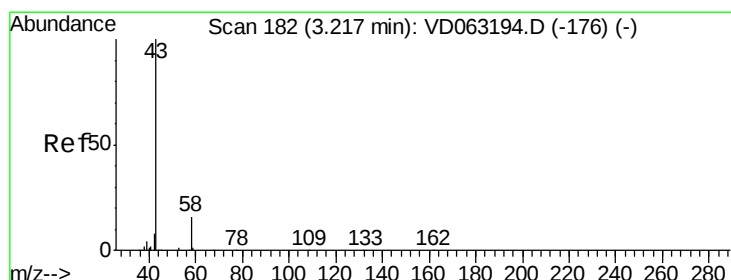
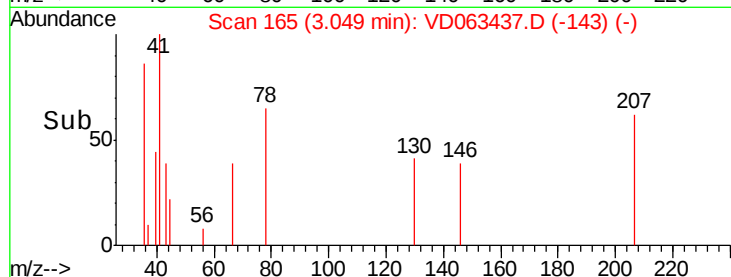


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time--> 3.00 3.05 3.10



#16

Acetone

Concen: 6.557 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063437.D

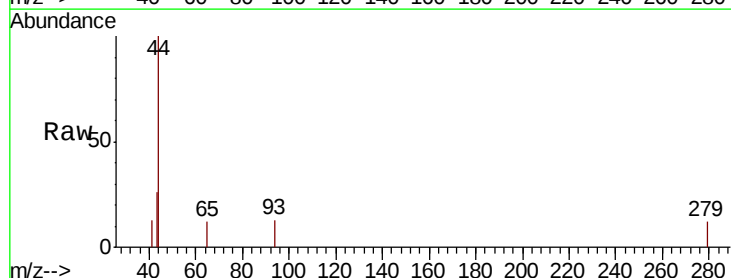
Acq: 8 Aug 2019 14:42

Tgt Ion: 43 Resp: 868

Ion Ratio Lower Upper

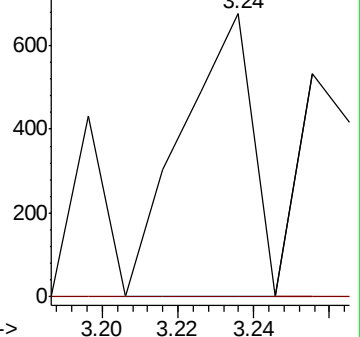
43 100

58 0.0 13.0 19.4#

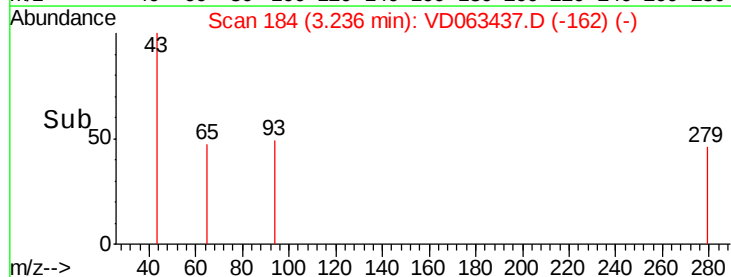


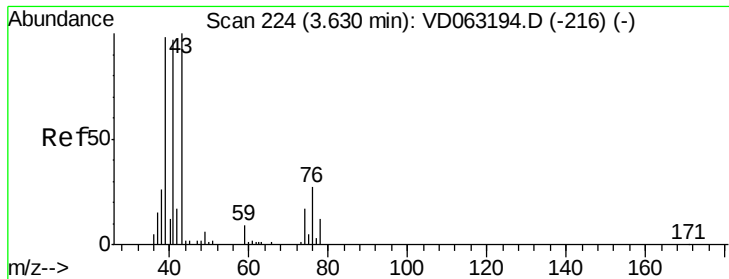
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time--> 3.20 3.22 3.24

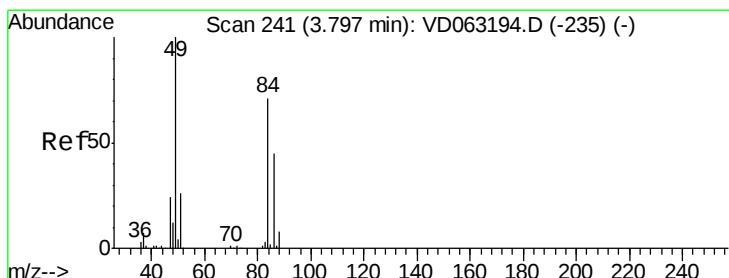
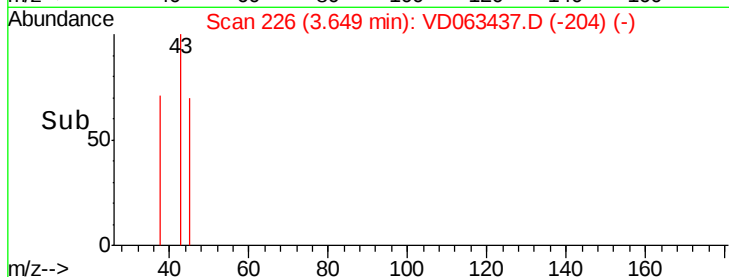
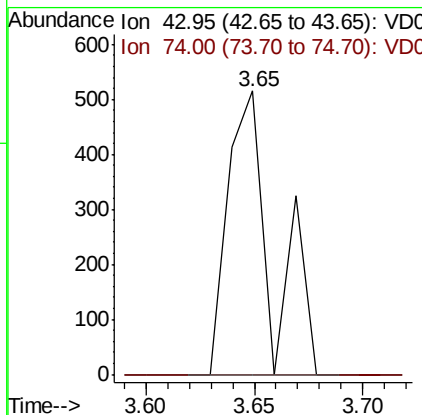
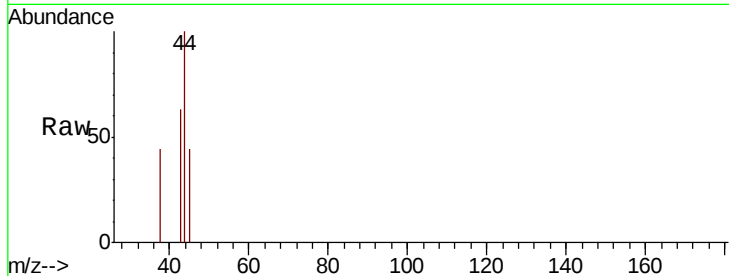




#18
Methyl Acetate
Concen: 2.914 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD063437.D
Acq: 8 Aug 2019 14:42

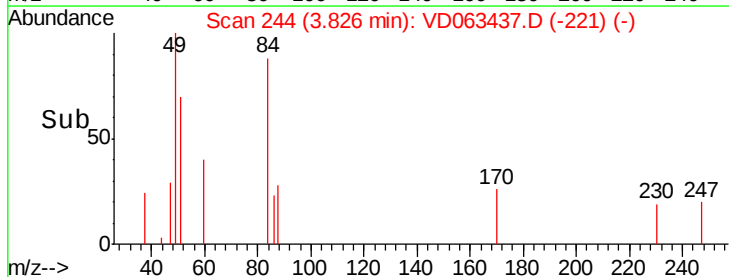
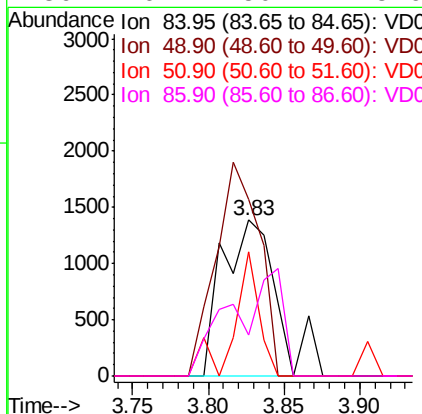
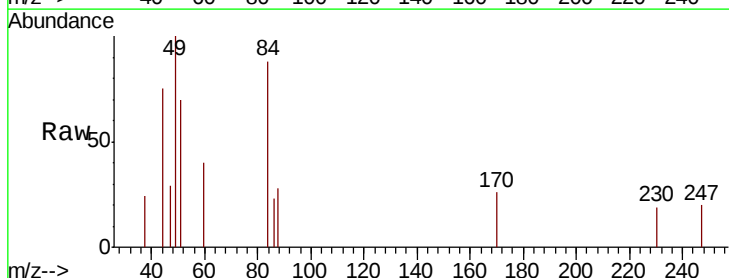
Instrument :
MSVOA_D
ClientSampleId :
AU-05-080719-B

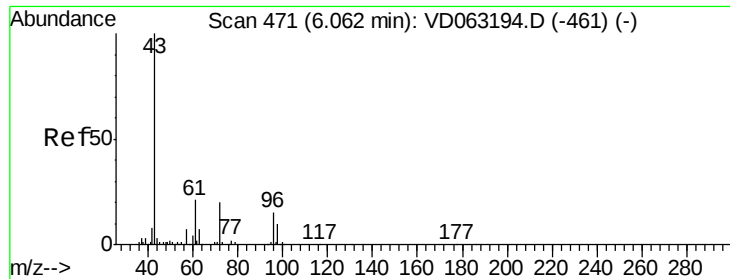
Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.8#



#20
Methylene Chloride
Concen: 6.536 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD063437.D
Acq: 8 Aug 2019 14:42

Tgt Ion: 84 Resp: 3497
Ion Ratio Lower Upper
84 100
49 113.4 112.5 168.7
51 79.8 29.6 44.4#
86 26.1 50.4 75.6#

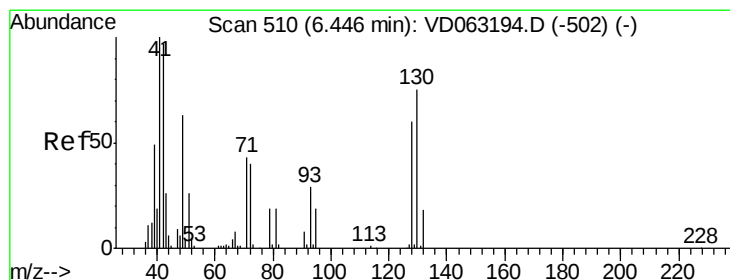
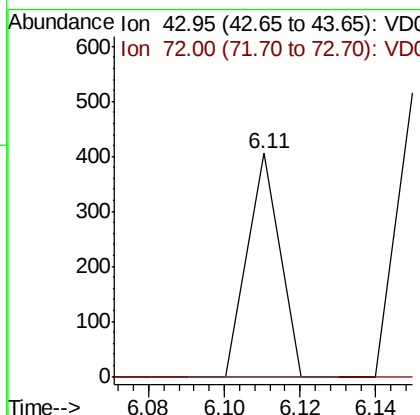
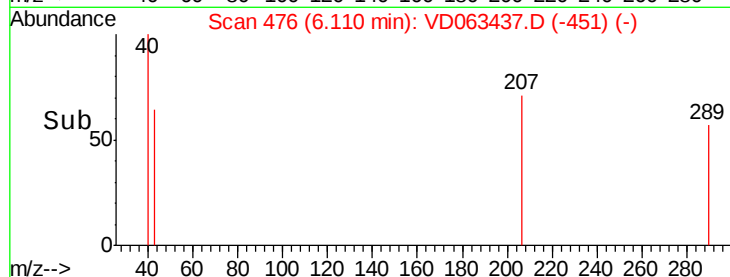
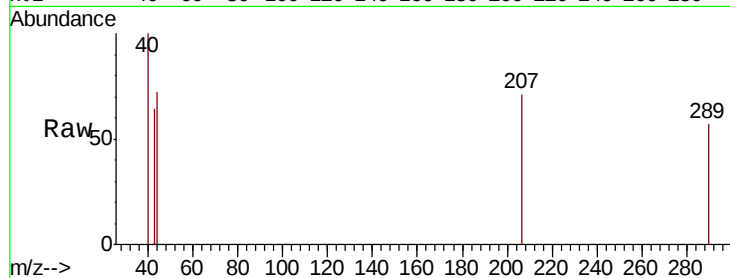




#25
2-Butanone
Concen: 1.807 ug/l
RT: 6.11 min Scan# 476
Delta R.T. 0.05 min
Lab File: VD063437.D
Acq: 8 Aug 2019 14:42

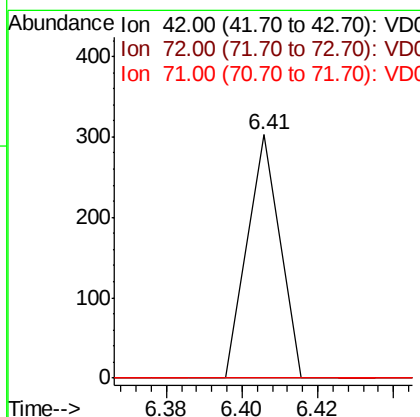
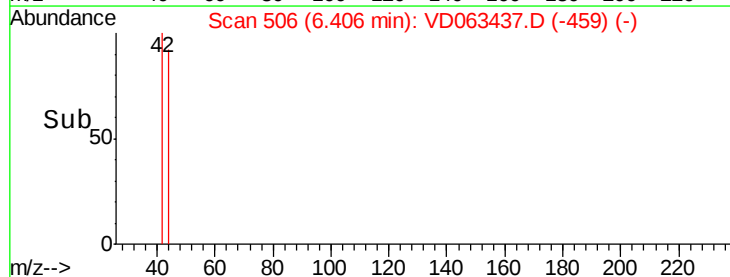
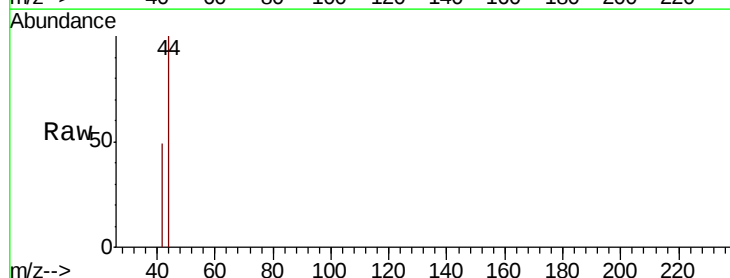
Instrument :
MSVOA_D
ClientSampleId :
AU-05-080719-B

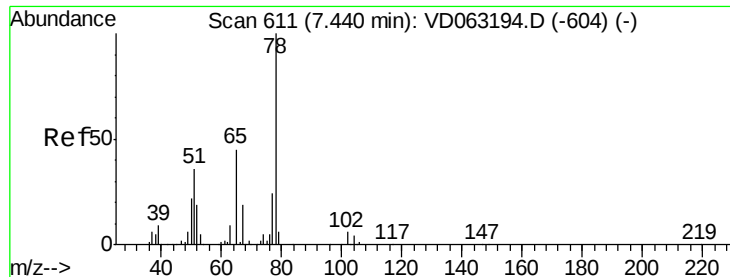
Tgt Ion: 43 Resp: 240
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#



#29
Tetrahydrofuran
Concen: 2.846 ug/l
RT: 6.41 min Scan# 506
Delta R.T. -0.04 min
Lab File: VD063437.D
Acq: 8 Aug 2019 14:42

Tgt Ion: 42 Resp: 179
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.2#
71 0.0 35.7 53.5#





#33

1,2-Dichloroethane-d4

Concen: 94.190 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063437.D

Acq: 8 Aug 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

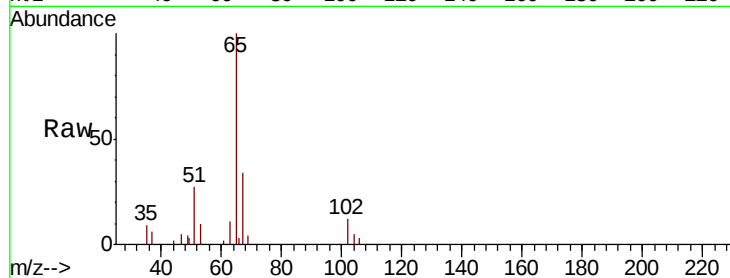
AU-05-080719-B

Tgt Ion: 65 Resp: 63993

Ion Ratio Lower Upper

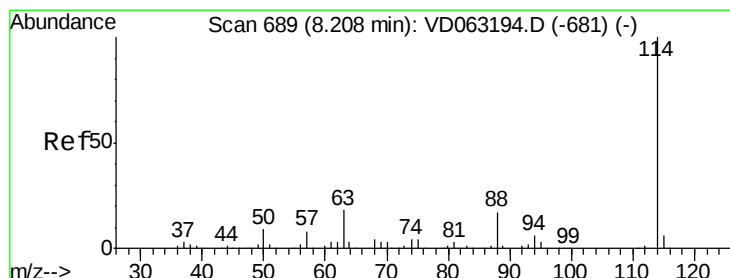
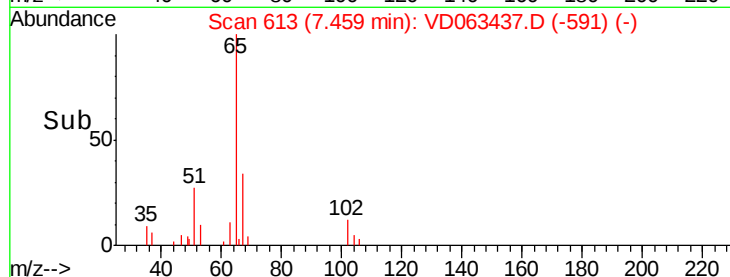
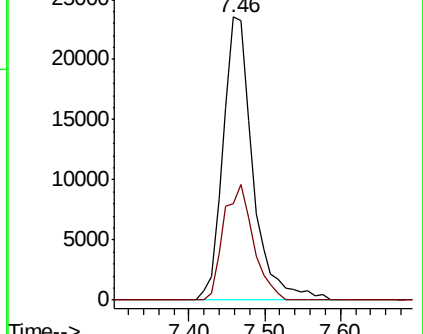
65 100

67 34.3 0.0 85.8



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: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063437.D

Acq: 8 Aug 2019 14:42

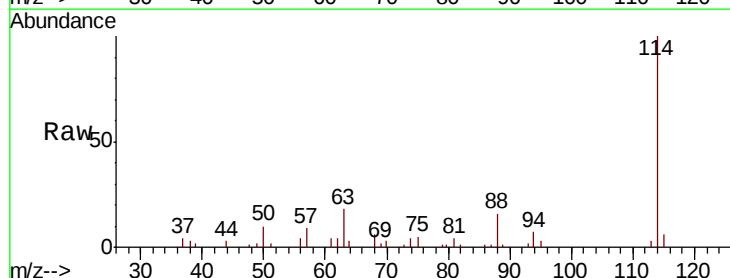
Tgt Ion: 114 Resp: 124507

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.2

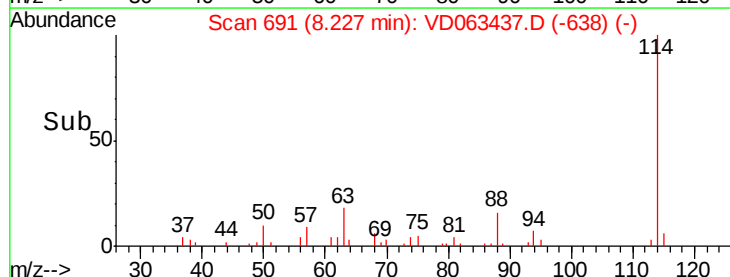
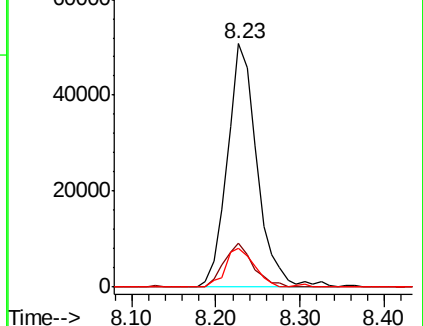
88 16.0 0.0 34.6

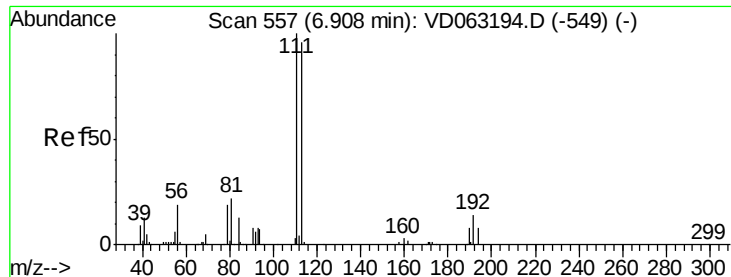


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.398 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063437.D

Acq: 8 Aug 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

AU-05-080719-B

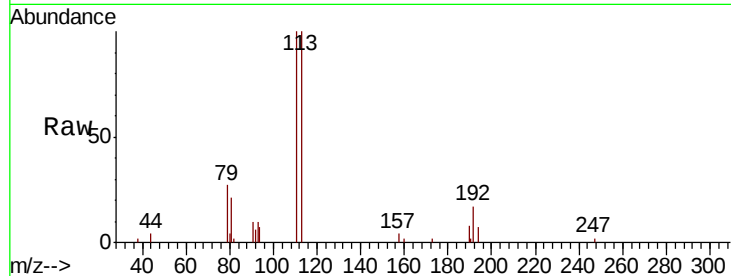
Tgt Ion:113 Resp: 51448

Ion Ratio Lower Upper

113 100

111 100.3 83.2 124.8

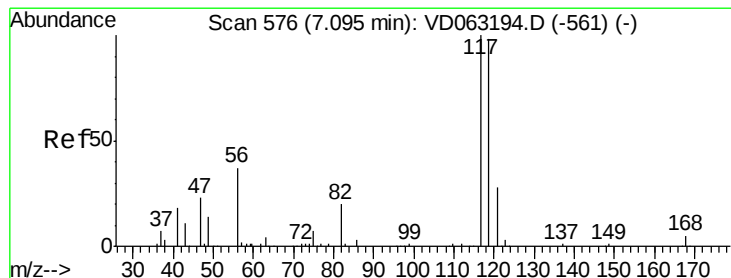
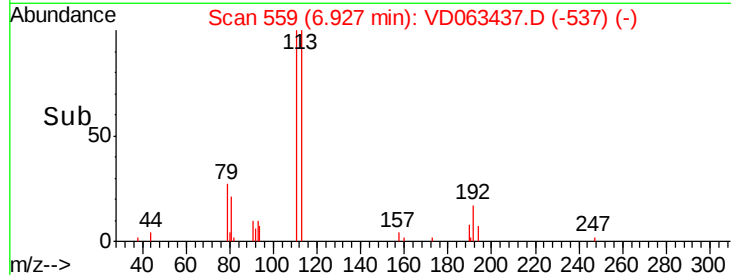
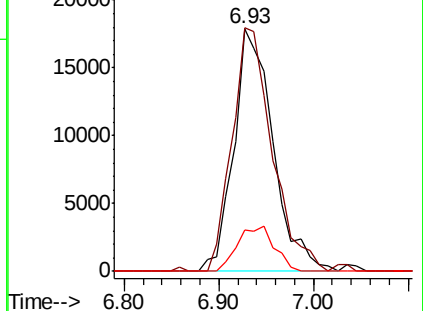
192 17.0 11.8 17.8



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



#38

Carbon Tetrachloride

Concen: 3.815 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063437.D

Acq: 8 Aug 2019 14:42

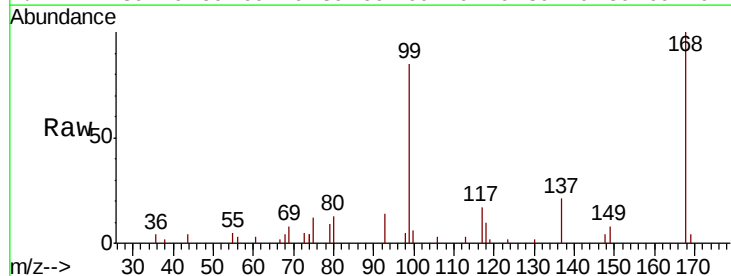
Tgt Ion:117 Resp: 6526

Ion Ratio Lower Upper

117 100

119 13.4 78.2 117.2#

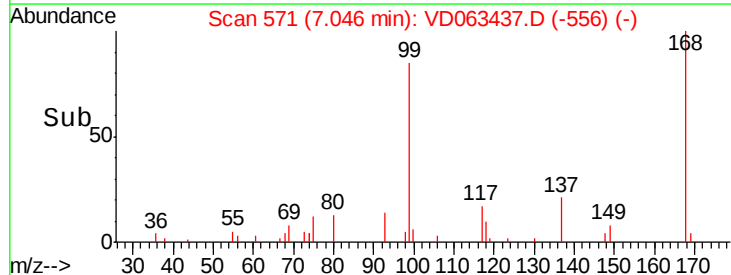
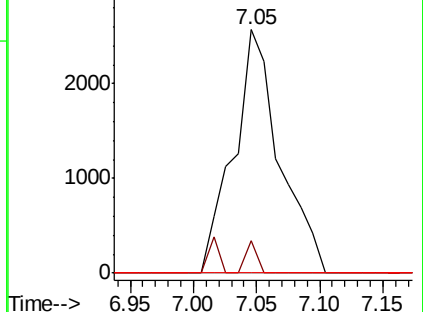
121 0.0 22.1 33.1#

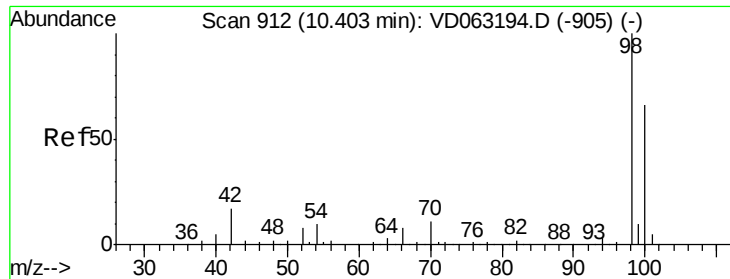


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

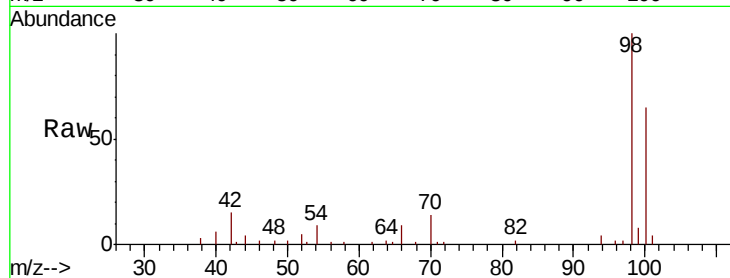




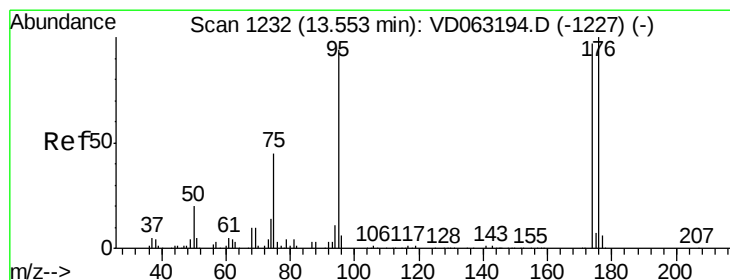
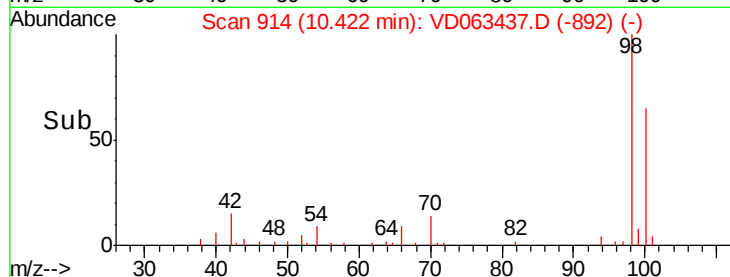
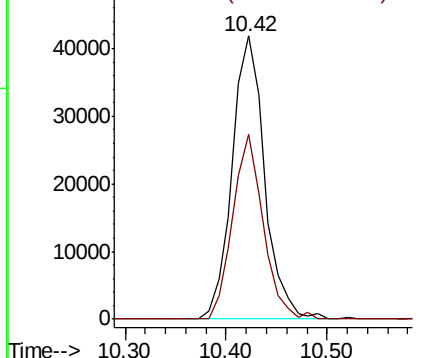
#50
Toluene-d8
Concen: 39.182 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063437.D
Acq: 8 Aug 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
AU-05-080719-B

Tgt Ion: 98 Resp: 93216
Ion Ratio Lower Upper
98 100
100 65.5 53.2 79.8

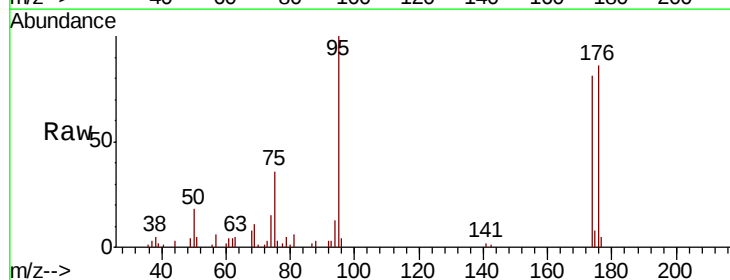


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

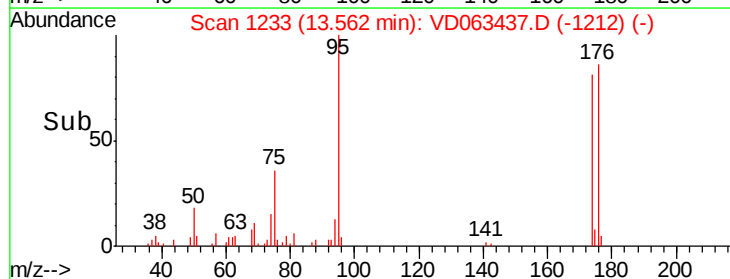
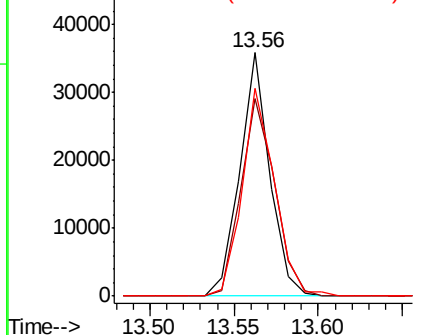


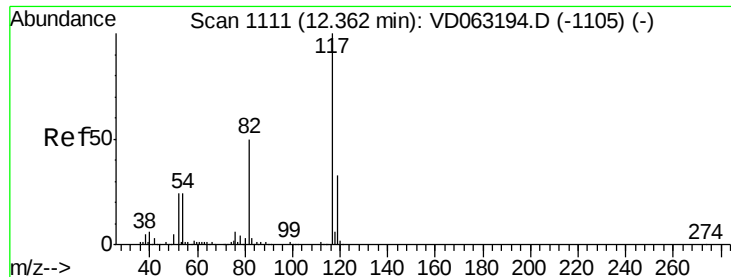
#62
4-Bromofluorobenzene
Concen: 40.483 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063437.D
Acq: 8 Aug 2019 14:42

Tgt Ion: 95 Resp: 43888
Ion Ratio Lower Upper
95 100
174 81.1 0.0 205.4
176 85.6 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

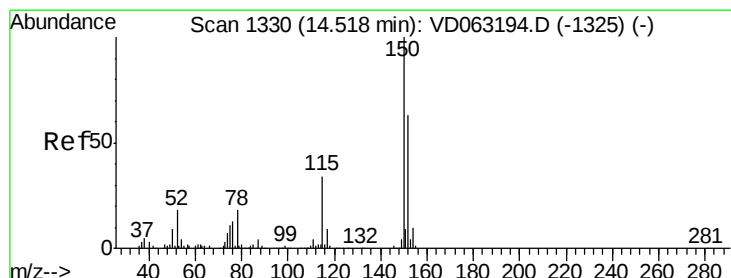
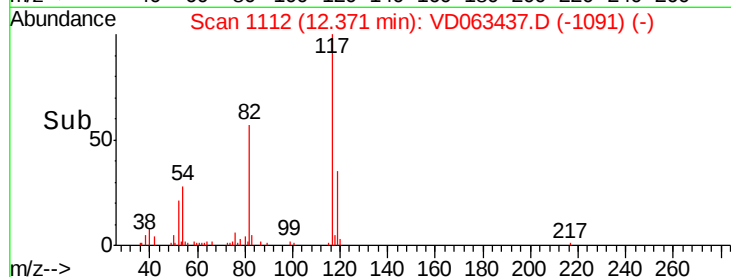
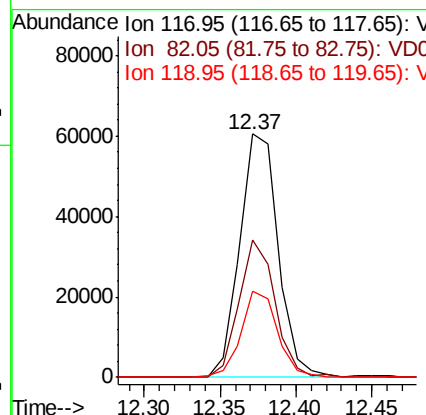
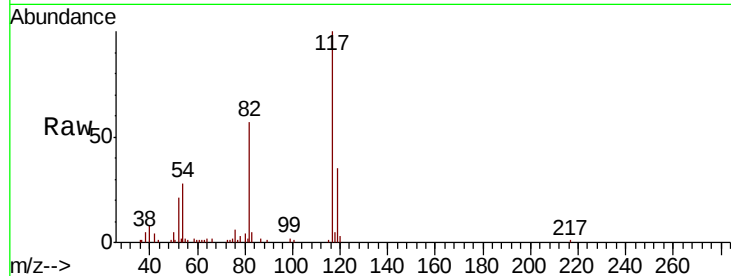




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063437.D
Acq: 8 Aug 2019 14:42

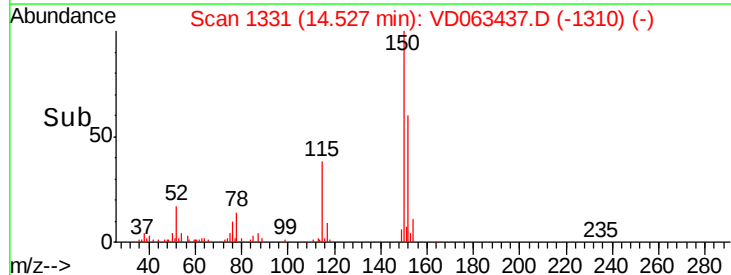
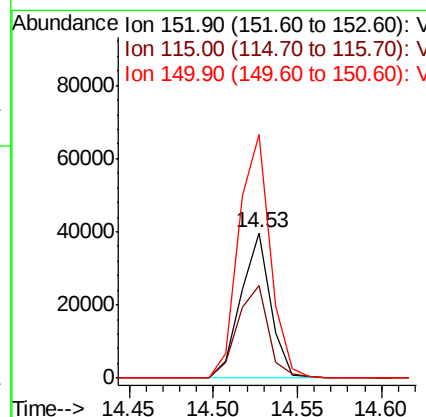
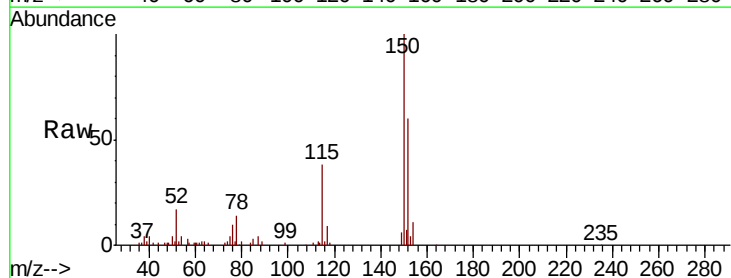
Instrument :
MSVOA_D
ClientSampleId :
AU-05-080719-B

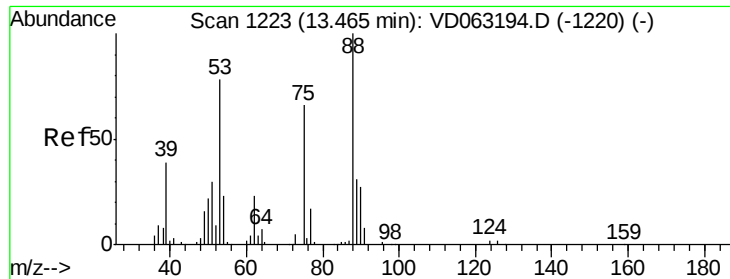
Tgt Ion:117 Resp: 106789
Ion Ratio Lower Upper
117 100
82 56.7 40.1 60.1
119 35.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063437.D
Acq: 8 Aug 2019 14:42

Tgt Ion:152 Resp: 48610
Ion Ratio Lower Upper
152 100
115 63.8 27.5 82.4
150 167.2 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 125.869 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD063437.D

Acq: 8 Aug 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

AU-05-080719-B

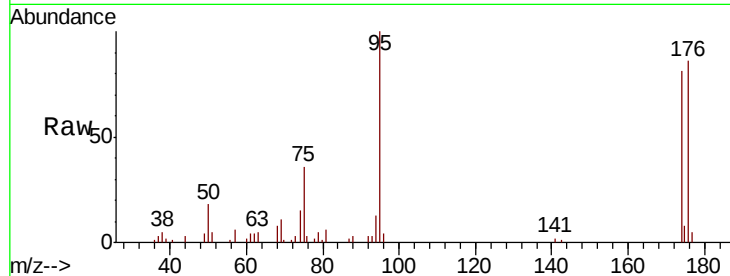
Tgt Ion: 75 Resp: 20407

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

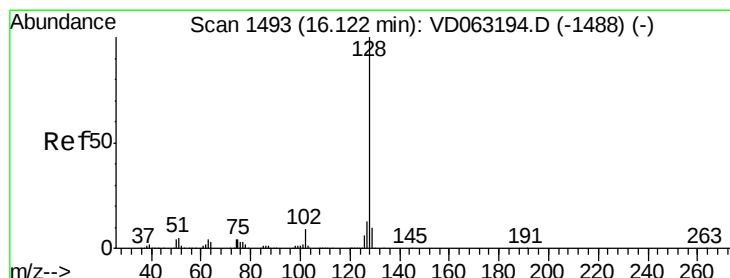
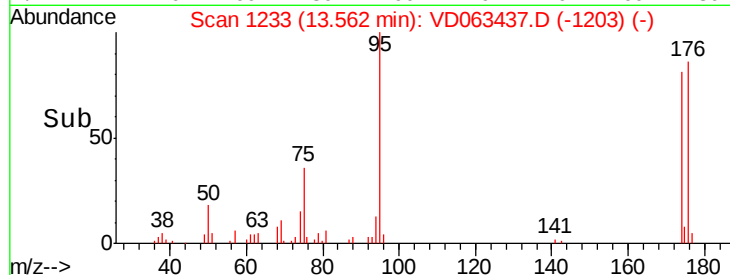
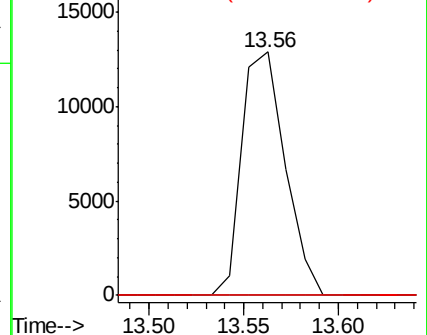
89 0.0 37.4 56.0#



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: 1.502 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063437.D

Acq: 8 Aug 2019 14:42

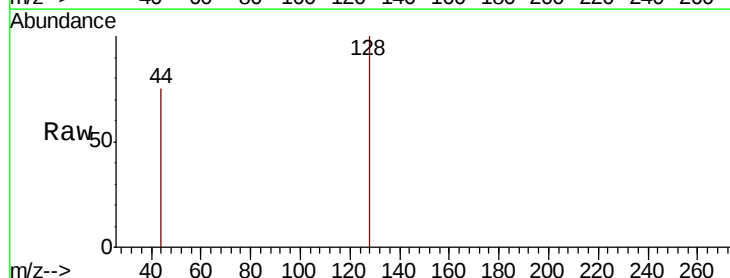
Tgt Ion: 128 Resp: 2259

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 7.8 11.8#



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

