

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063434.D
 Acq On : 8 Aug 2019 13:21
 Operator : JC/SY
 Sample : K3613-01
 Misc : 4.56g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 09 06:57:05 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	230312	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	369356	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	321055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	146243	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	211333	82.70	ug/l	0.03
Spiked Amount 50.000			Recovery	=	165.40%	
35) Dibromofluoromethane	6.95	113	179211	56.83	ug/l	0.04
Spiked Amount 50.000			Recovery	=	113.66%	
50) Toluene-d8	10.42	98	328389	46.53	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.06%	
62) 4-Bromofluorobenzene	13.56	95	146299	45.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.98%	

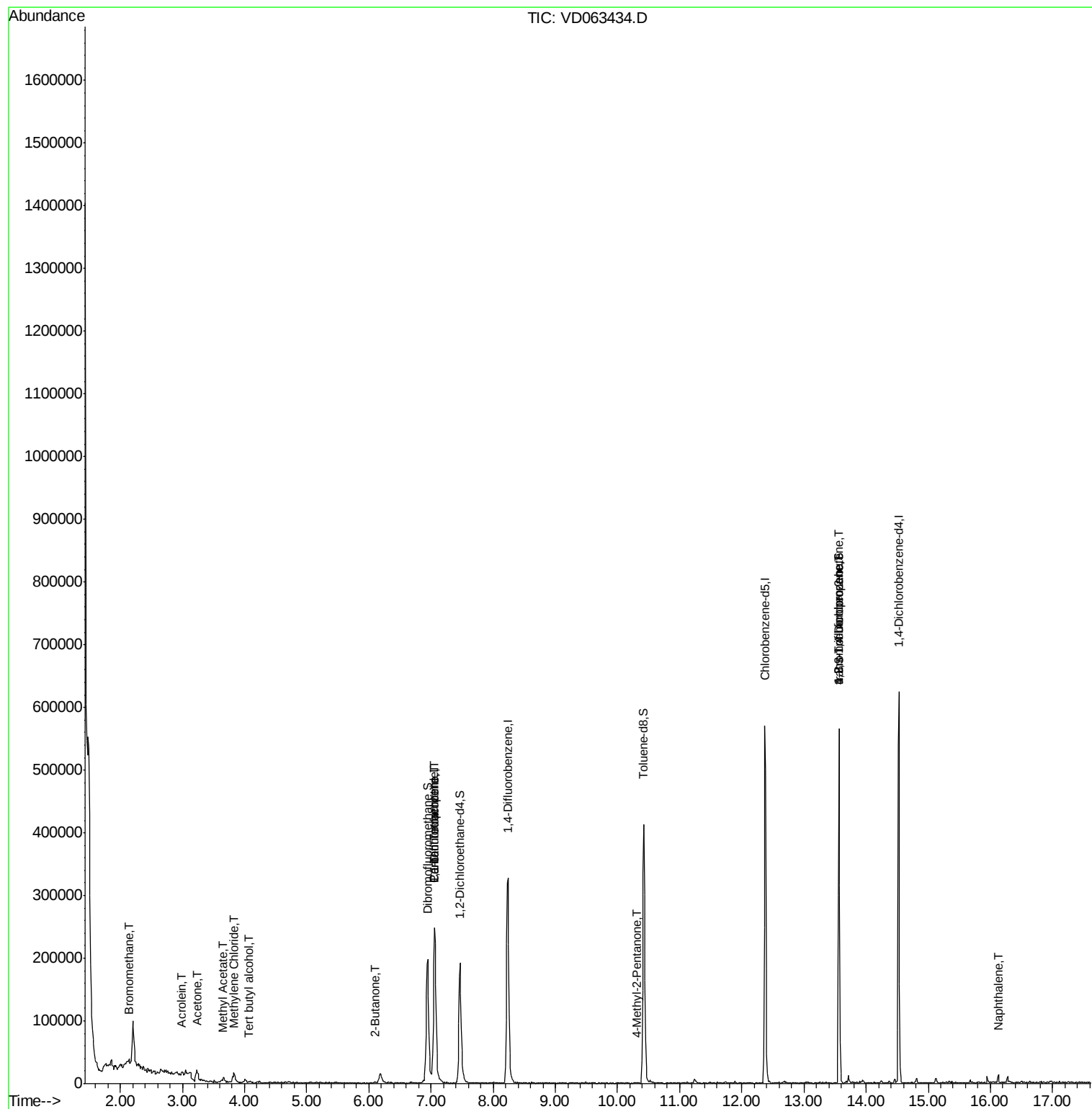
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	1143	1.001	ug/l #	12
11) Tert butyl alcohol	4.07	59	276	2.461	ug/l #	69
13) Acrolein	2.98	56	566	5.244	ug/l	99
16) Acetone	3.24	43	36325	72.954	ug/l #	89
18) Methyl Acetate	3.66	43	13500	14.115	ug/l	98
20) Methylene Chloride	3.83	84	8465	4.206	ug/l #	55
25) 2-Butanone	6.10	43	861	1.723	ug/l #	56
36) 1,1-Dichloropropene	7.05	75	17893	5.308	ug/l #	58
38) Carbon Tetrachloride	7.07	117	23855	4.701	ug/l #	11
51) 4-Methyl-2-Pentanone	10.32	43	1322	1.005	ug/l #	42
76) 1,2,3-Trichloropropane	13.56	75	49220	28.021	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	70035	143.584	ug/l #	3
95) Naphthalene	16.13	128	9053	2.001	ug/l #	95

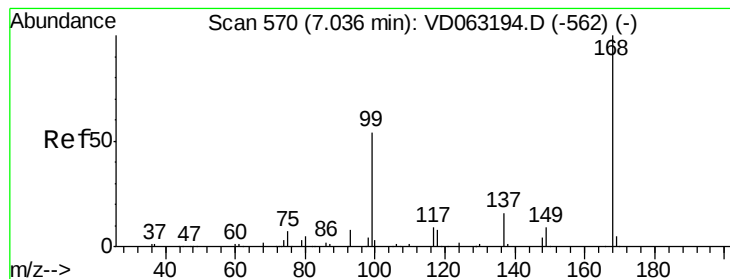
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063434.D

Acq: 8 Aug 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

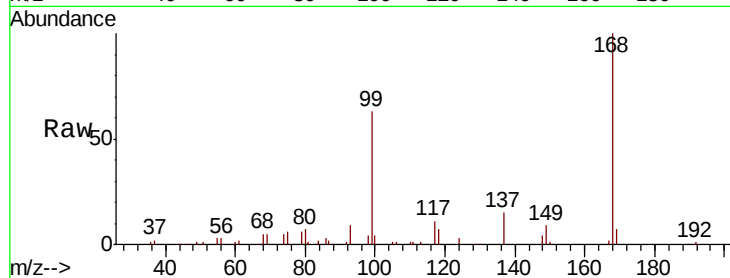
AU-05-080719-A

Tgt Ion:168 Resp: 230312

Ion Ratio Lower Upper

168 100

99 62.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

80000

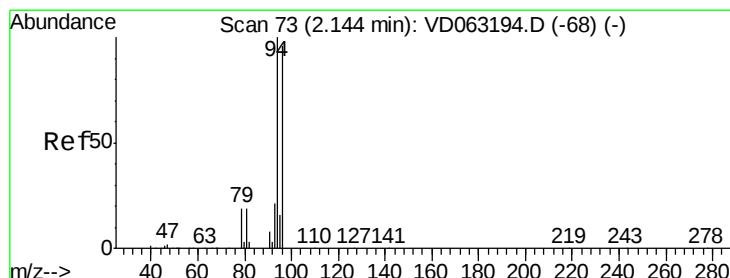
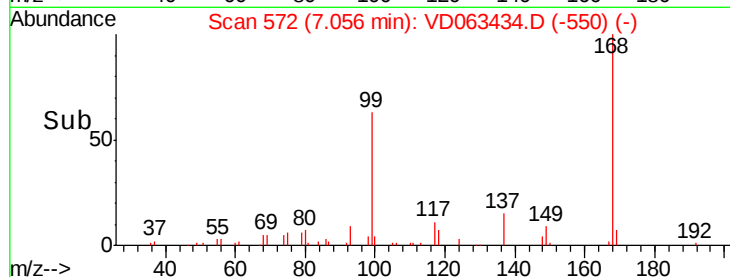
60000

40000

20000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.001 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063434.D

Acq: 8 Aug 2019 13:21

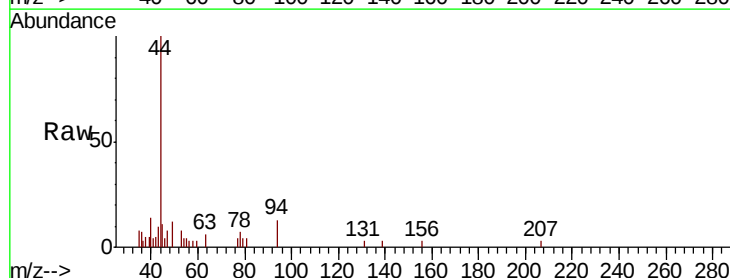
Tgt Ion: 94 Resp: 1143

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

93 0.0 17.3 25.9#



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

2000

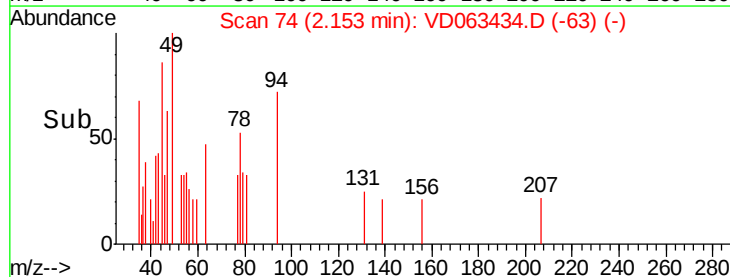
1500

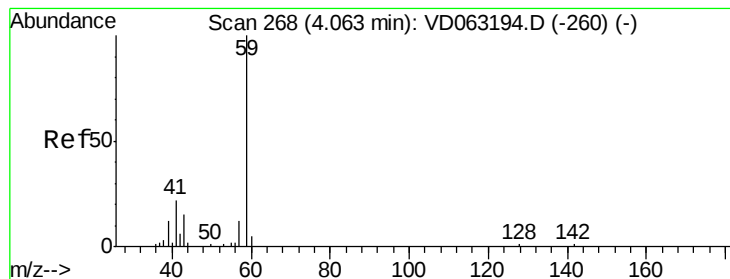
1000

500

0

Time--> 2.14 2.16 2.18



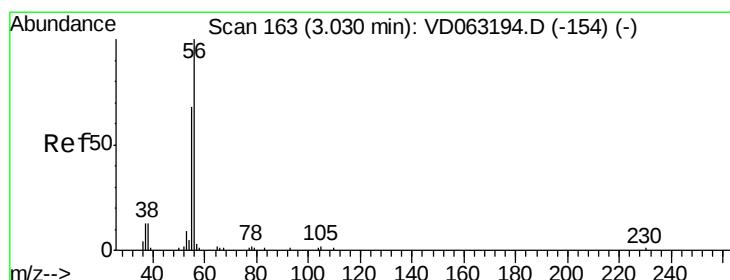
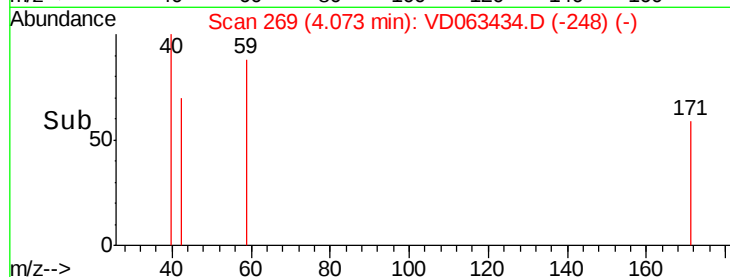
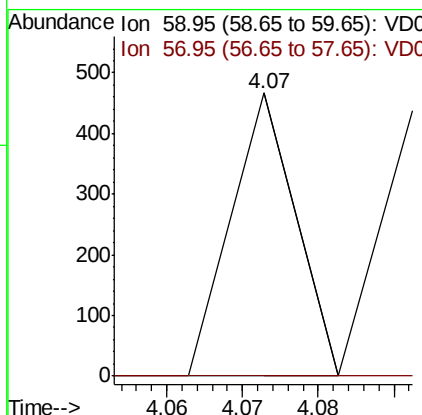
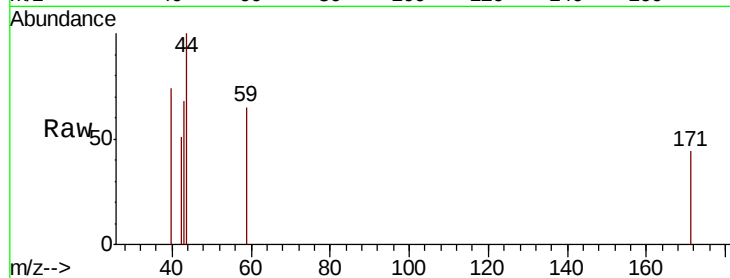


#11

Tert butyl alcohol
 Concen: 2.461 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD063434.D
 Acq: 8 Aug 2019 13:21

Instrument :
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 ClientSampleId :
 AU-05-080719-A

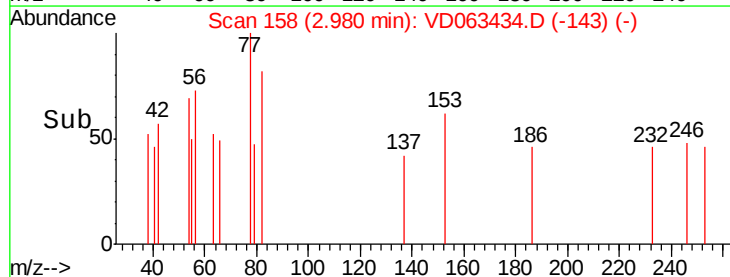
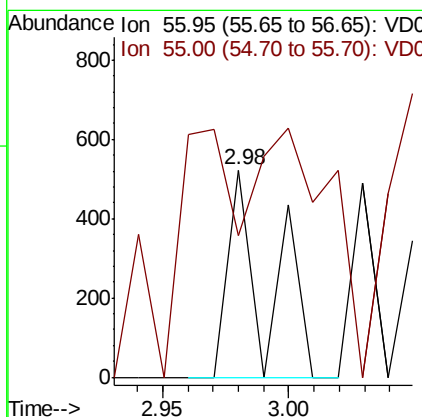
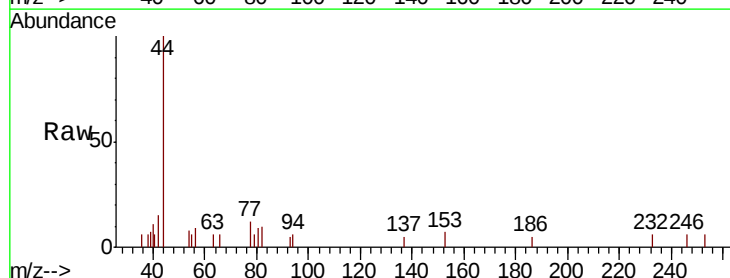
Tgt Ion: 59 Resp: 276
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.6 14.4#

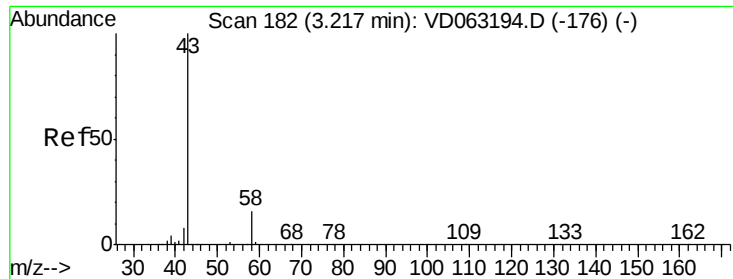


#13

Acrolein
 Concen: 5.244 ug/l
 RT: 2.98 min Scan# 158
 Delta R.T. -0.05 min
 Lab File: VD063434.D
 Acq: 8 Aug 2019 13:21

Tgt Ion: 56 Resp: 566
 Ion Ratio Lower Upper
 56 100
 55 68.2 55.3 82.9





#16

Acetone

Concen: 72.954 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063434.D

Acq: 8 Aug 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

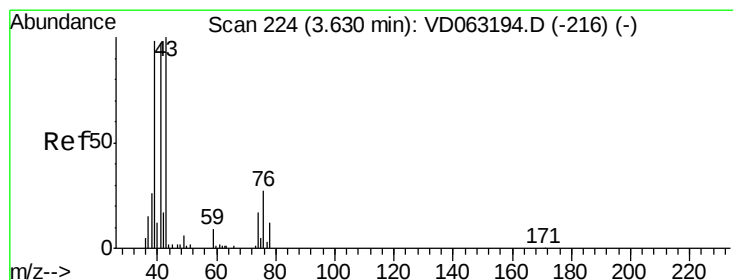
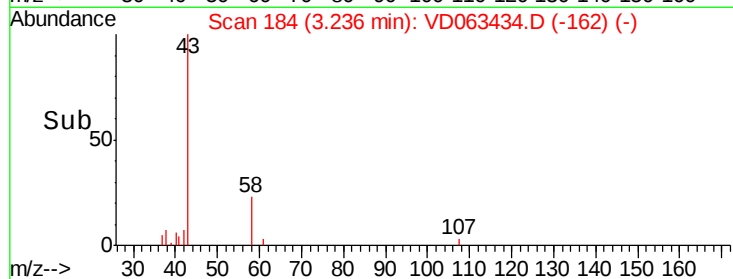
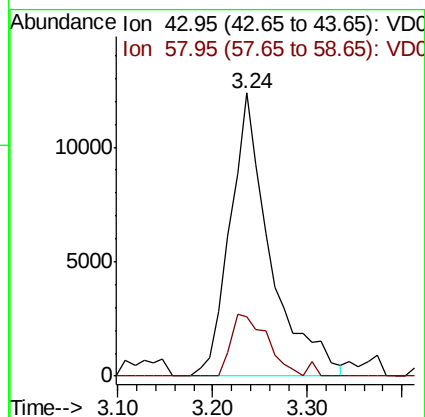
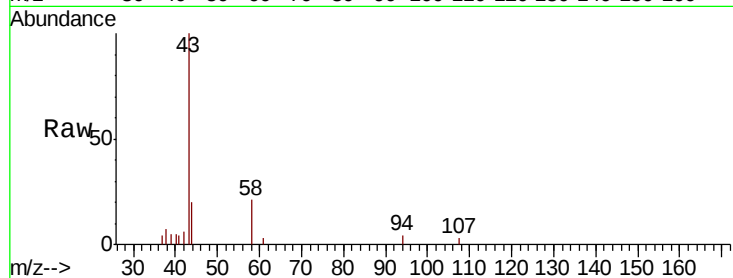
AU-05-080719-A

Tgt Ion: 43 Resp: 36325

Ion Ratio Lower Upper

43 100

58 21.0 13.0 19.4#



#18

Methyl Acetate

Concen: 14.115 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.03 min

Lab File: VD063434.D

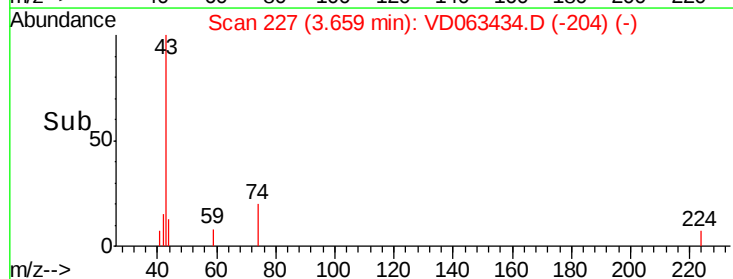
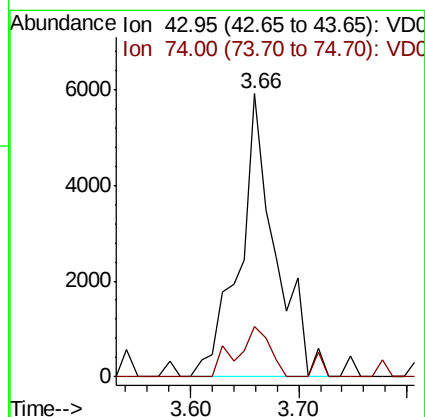
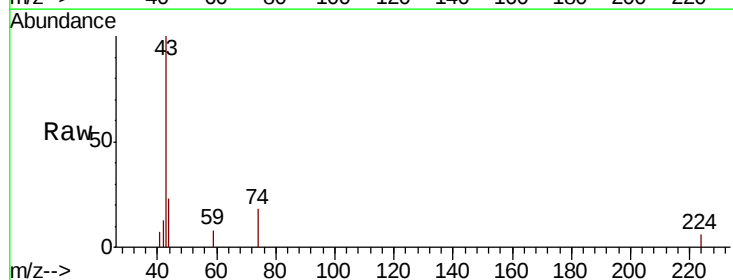
Acq: 8 Aug 2019 13:21

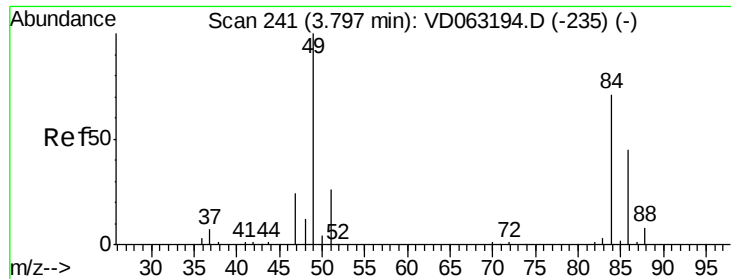
Tgt Ion: 43 Resp: 13500

Ion Ratio Lower Upper

43 100

74 18.0 13.8 20.8

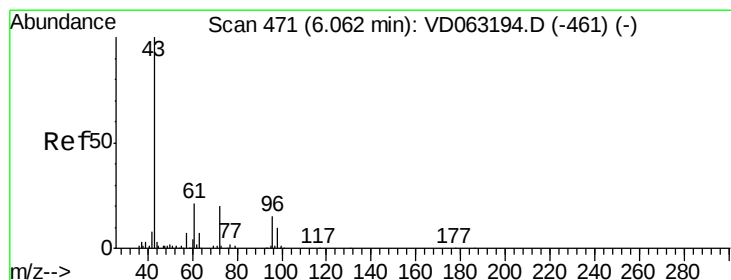
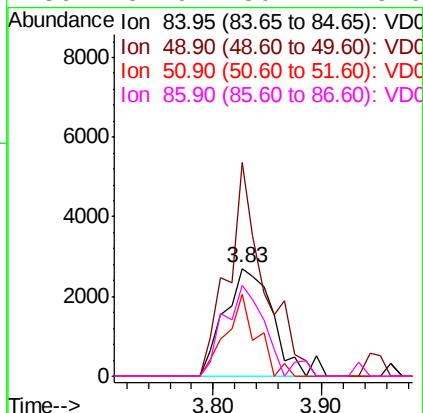
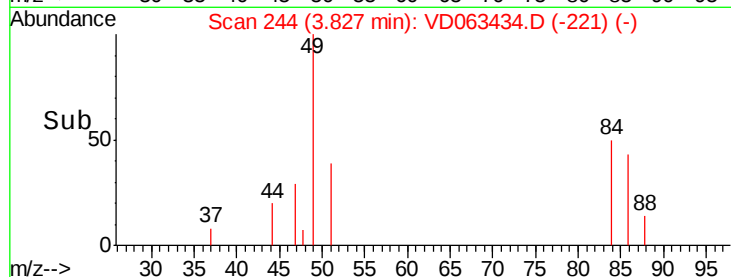
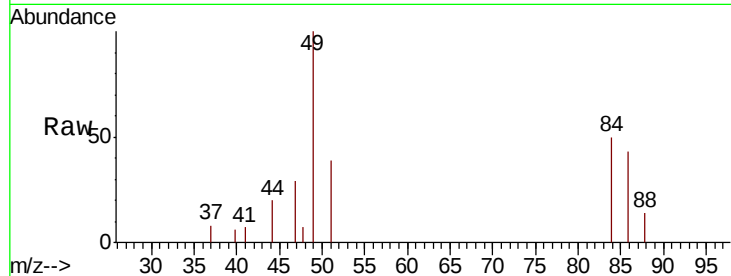




#20
Methylene Chloride
Concen: 4.206 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD063434.D
Acq: 8 Aug 2019 13:21

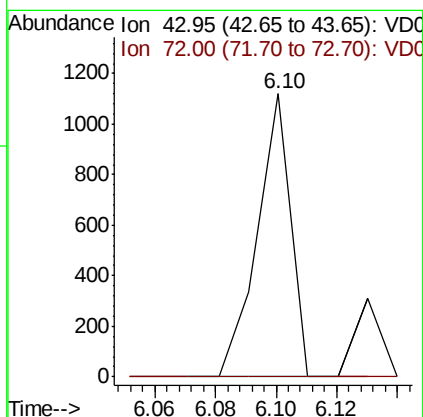
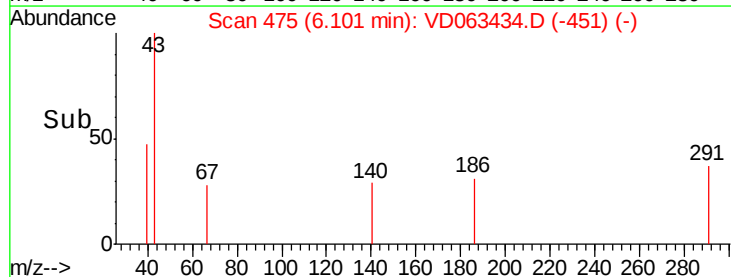
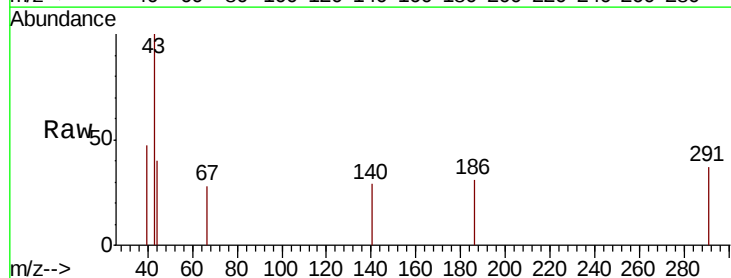
Instrument :
MSVOA_D
ClientSampleId :
AU-05-080719-A

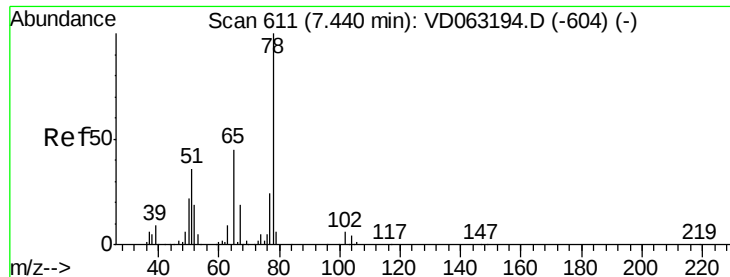
Tgt Ion: 84 Resp: 8465
Ion Ratio Lower Upper
84 100
49 198.4 112.5 168.7#
51 76.5 29.6 44.4#
86 84.9 50.4 75.6#



#25
2-Butanone
Concen: 1.723 ug/l
RT: 6.10 min Scan# 475
Delta R.T. 0.04 min
Lab File: VD063434.D
Acq: 8 Aug 2019 13:21

Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#





#33

1,2-Dichloroethane-d4

Concen: 82.696 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD063434.D

Acq: 8 Aug 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

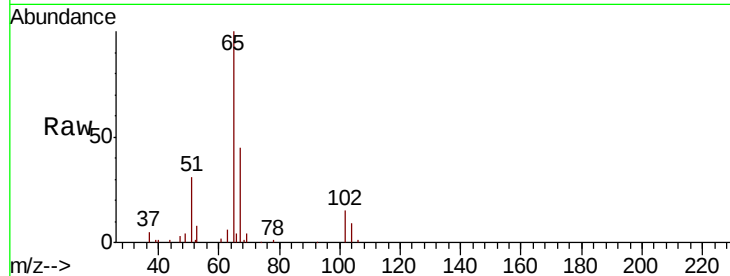
AU-05-080719-A

Tgt Ion: 65 Resp: 211333

Ion Ratio Lower Upper

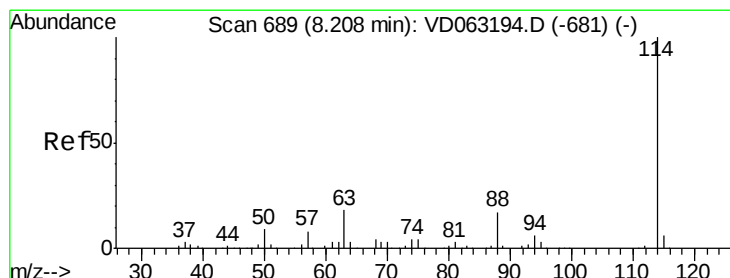
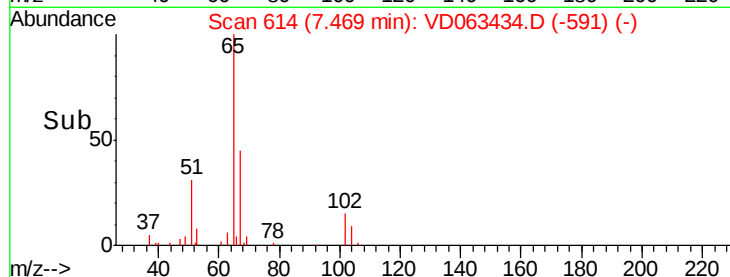
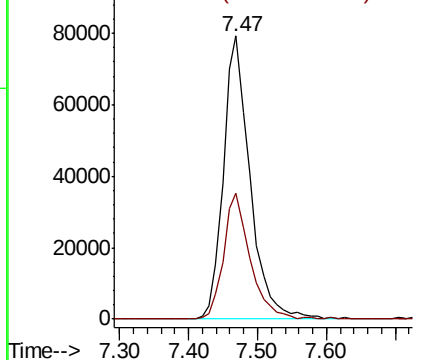
65 100

67 44.5 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: 8.24 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD063434.D

Acq: 8 Aug 2019 13:21

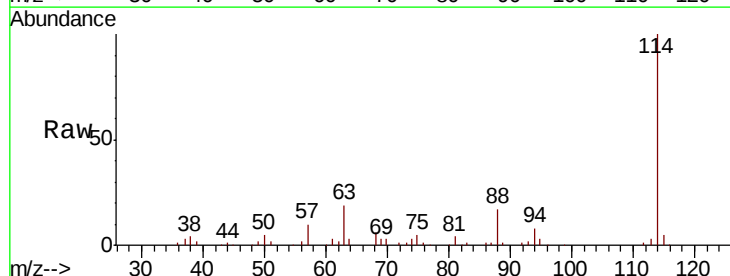
Tgt Ion: 114 Resp: 369356

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.2

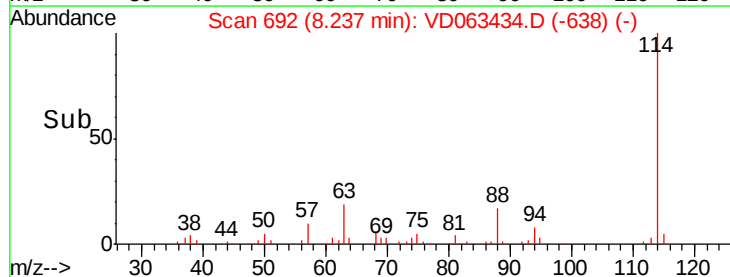
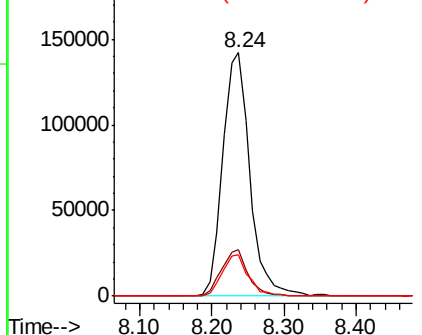
88 17.1 0.0 34.6

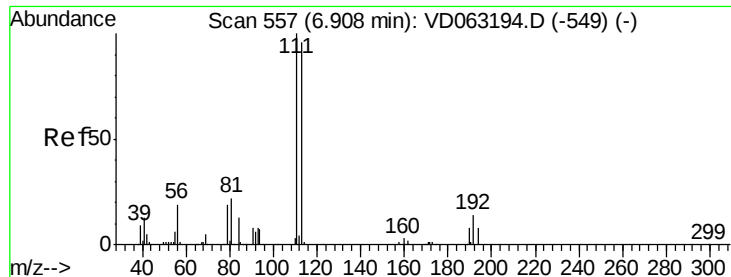


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

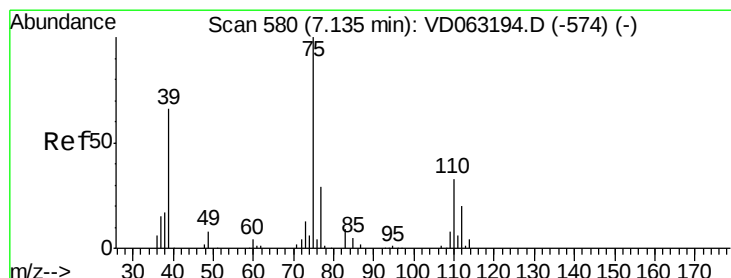
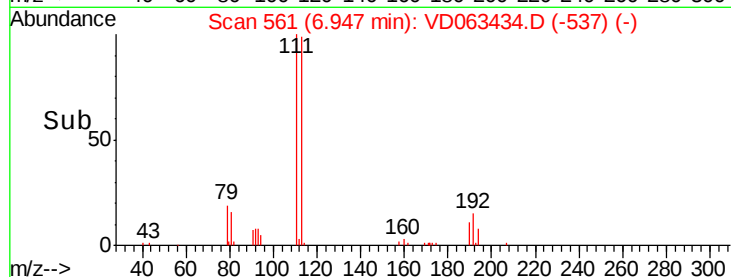
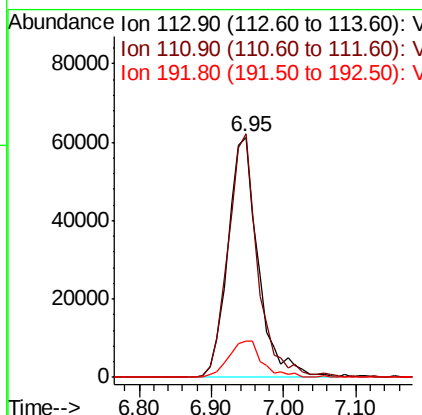
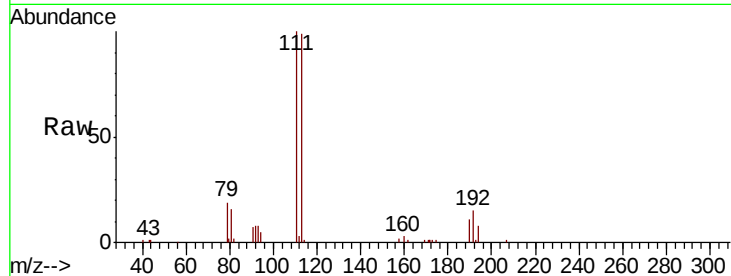




#35
 Dibromofluoromethane
 Concen: 56.829 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.04 min
 Lab File: VD063434.D
 Acq: 8 Aug 2019 13:21

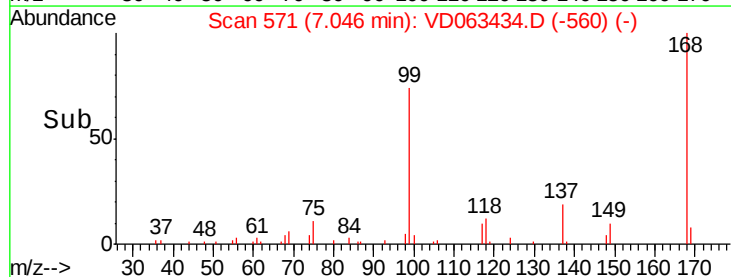
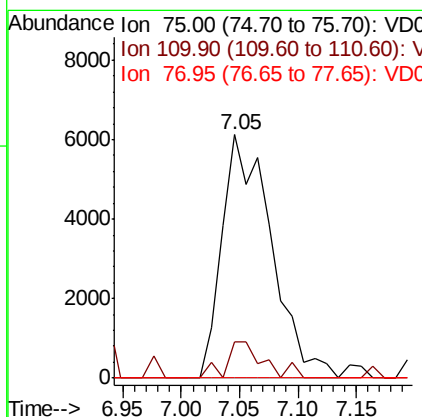
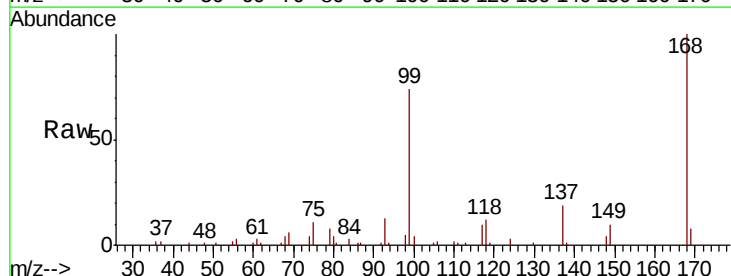
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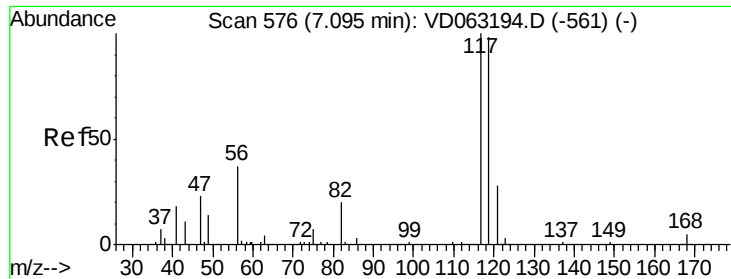
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.2	124.8
192	15.2	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 5.308 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD063434.D
 Acq: 8 Aug 2019 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	14.7	16.1	48.2#
77	0.0	22.7	34.1#

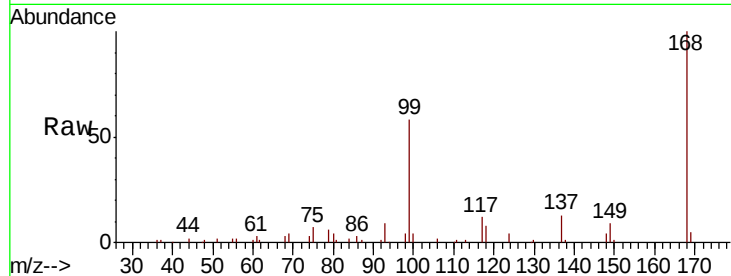




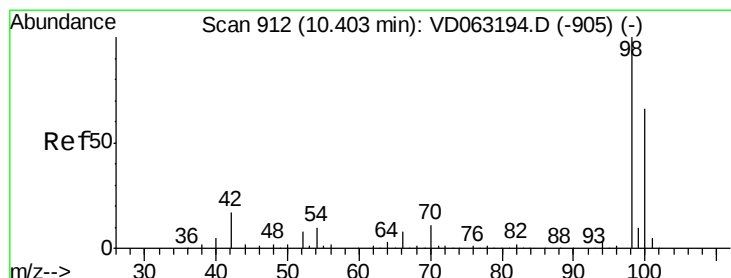
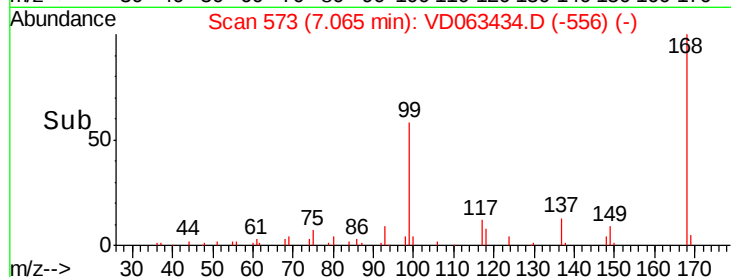
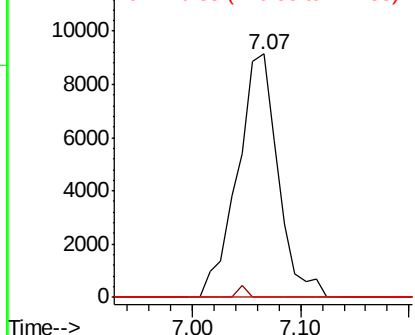
#38
Carbon Tetrachloride
Concen: 4.701 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD063434.D
Acq: 8 Aug 2019 13:21

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

Tgt Ion:117 Resp: 23855
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 22.1 33.1#

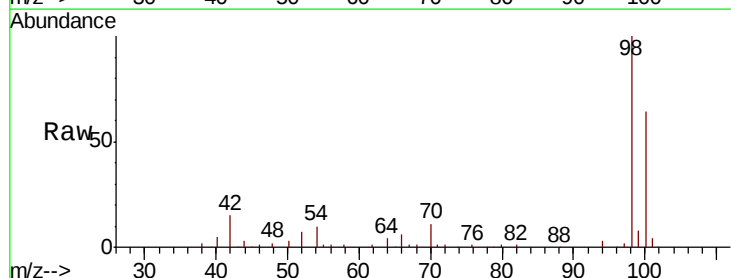


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

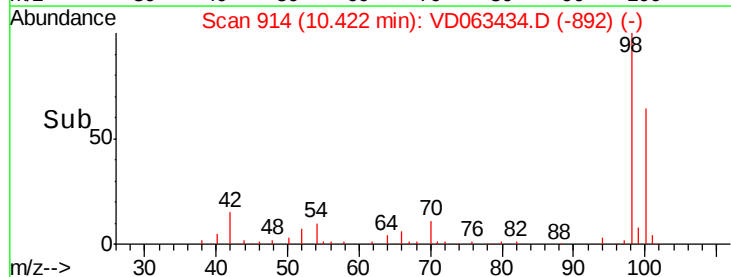
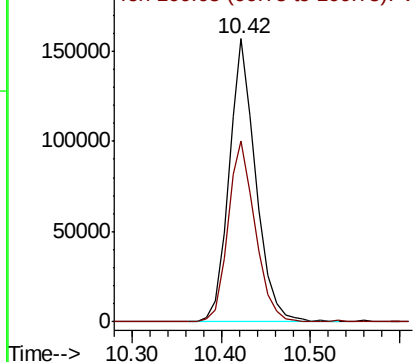


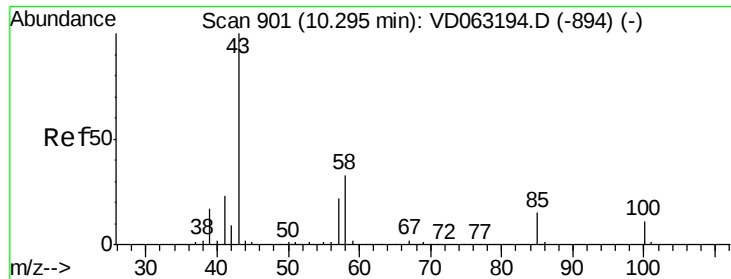
#50
Toluene-d8
Concen: 46.530 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063434.D
Acq: 8 Aug 2019 13:21

Tgt Ion: 98 Resp: 328389
Ion Ratio Lower Upper
98 100
100 63.8 53.2 79.8



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

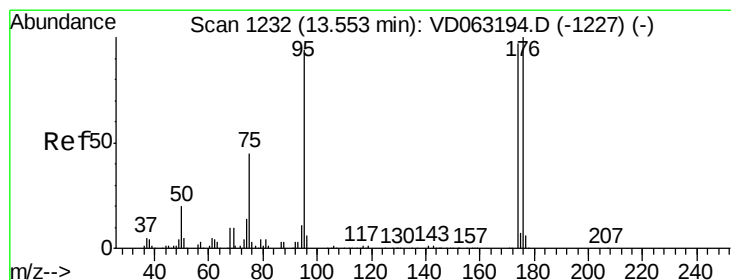
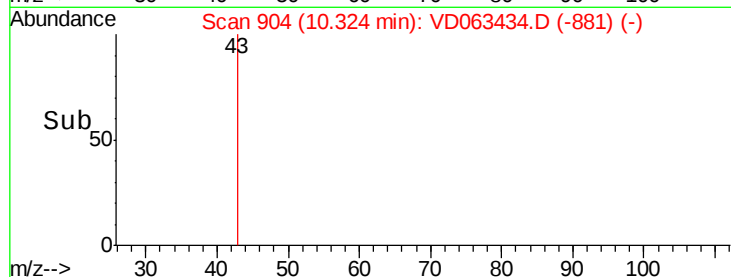
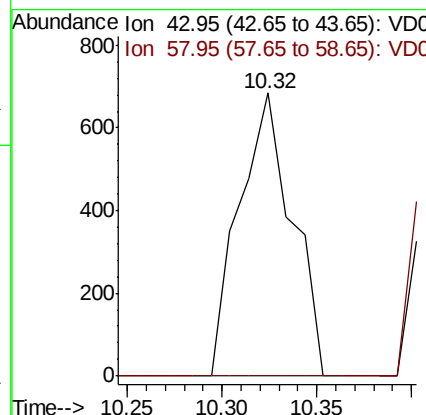
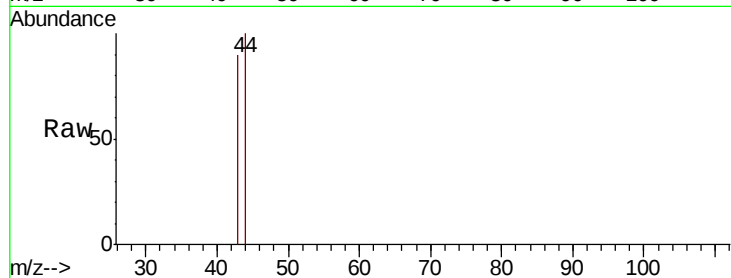




#51
 4-Methyl-2-Pentanone
 Concen: 1.005 ug/l
 RT: 10.32 min Scan# 904
 Delta R.T. 0.03 min
 Lab File: VD063434.D
 Acq: 8 Aug 2019 13:21

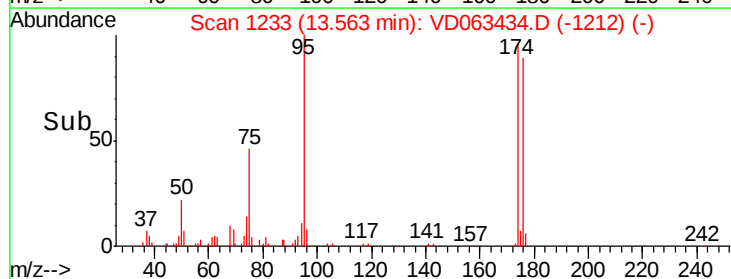
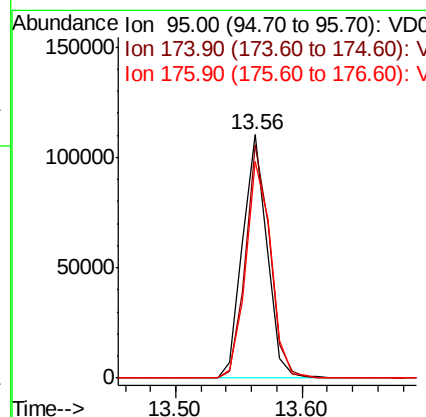
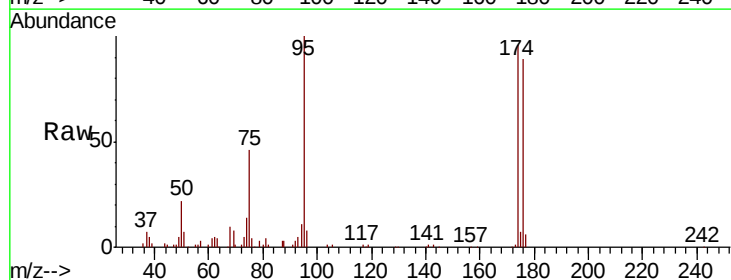
Instrument :
 MSVOA_D
 ClientSampleId :
 AU-05-080719-A

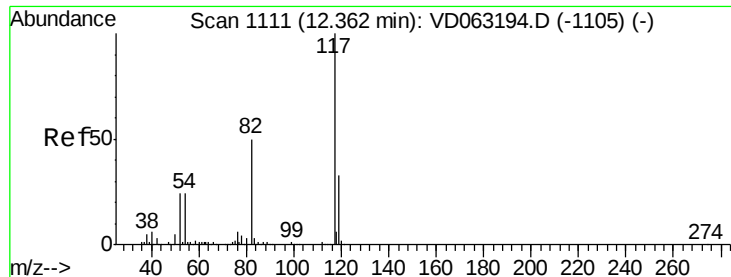
Tgt Ion: 43 Resp: 1322
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.2#



#62
 4-Bromofluorobenzene
 Concen: 45.490 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD063434.D
 Acq: 8 Aug 2019 13:21

Tgt Ion: 95 Resp: 146299
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 205.4
 176 88.8 0.0 211.8

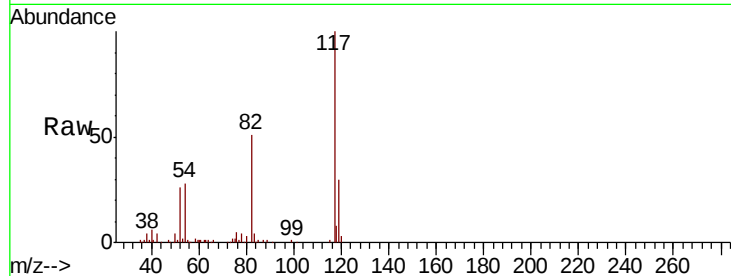




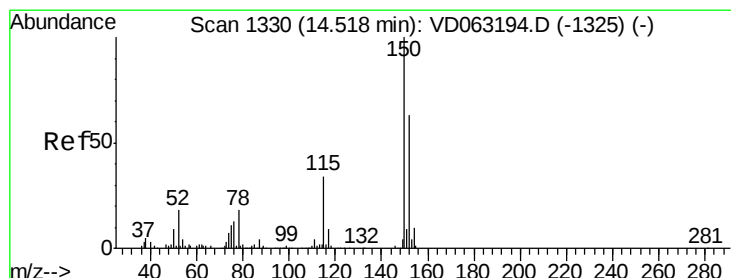
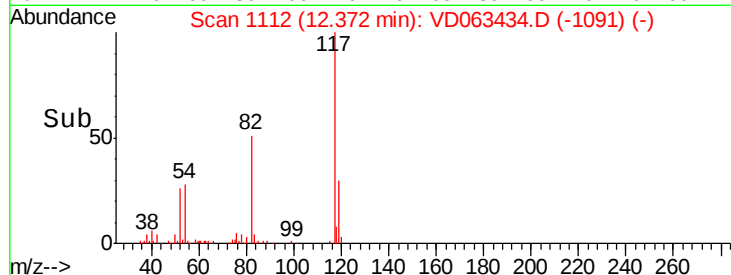
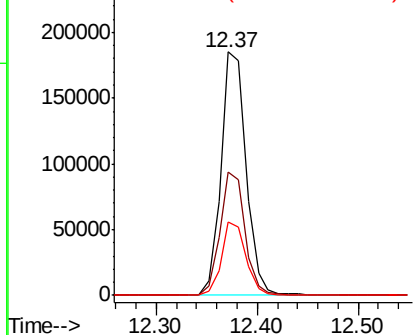
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063434.D
Acq: 8 Aug 2019 13:21

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

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.7	40.1	60.1
119	30.0	26.5	39.7

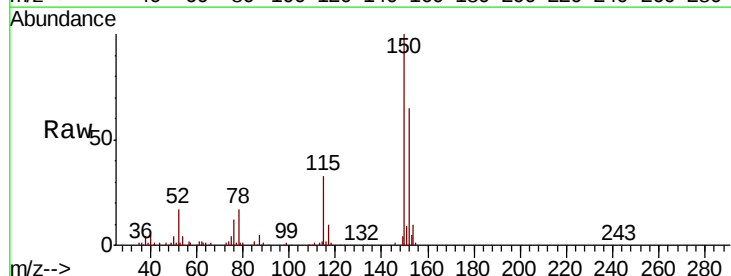


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

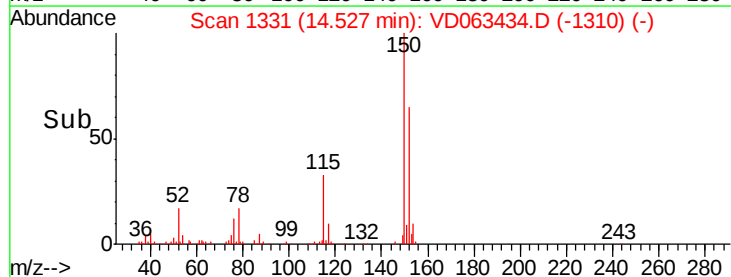
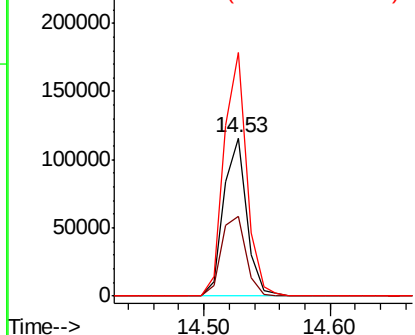


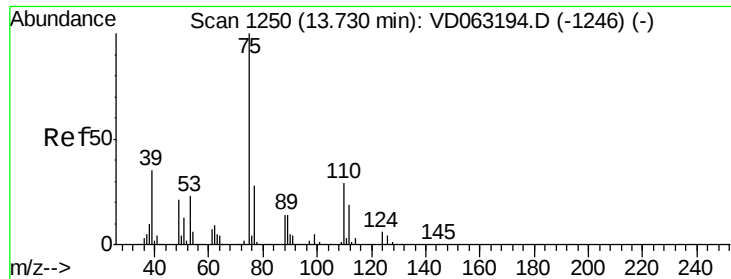
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063434.D
Acq: 8 Aug 2019 13:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.1	27.5	82.4
150	153.9	0.0	320.6



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: 28.021 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD063434.D

Acq: 8 Aug 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

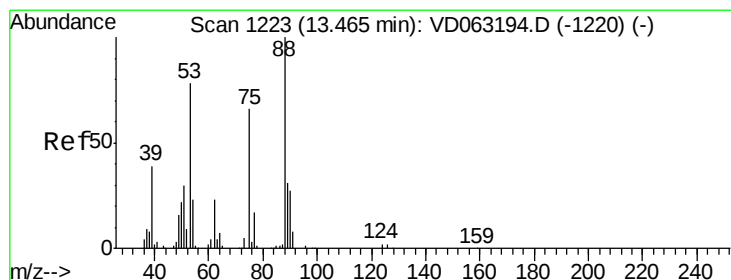
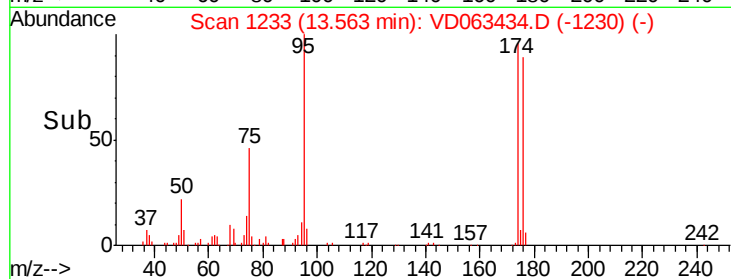
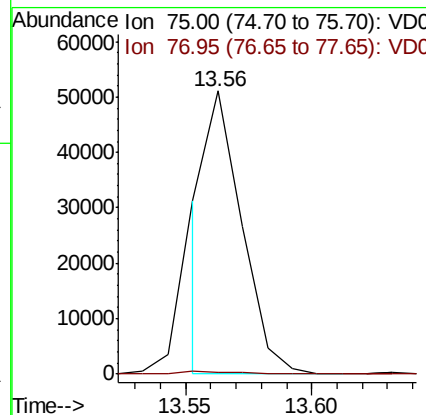
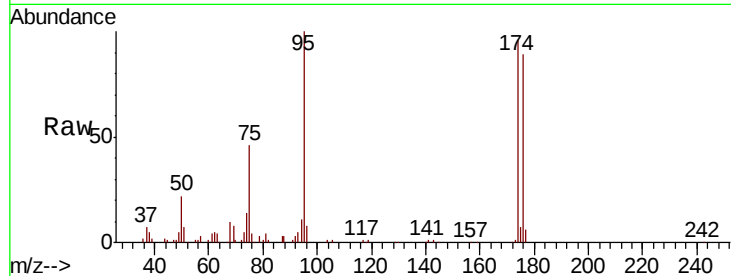
AU-05-080719-A

Tgt Ion: 75 Resp: 49220

Ion Ratio Lower Upper

75 100

77 0.7 16.0 48.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.584 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD063434.D

Acq: 8 Aug 2019 13:21

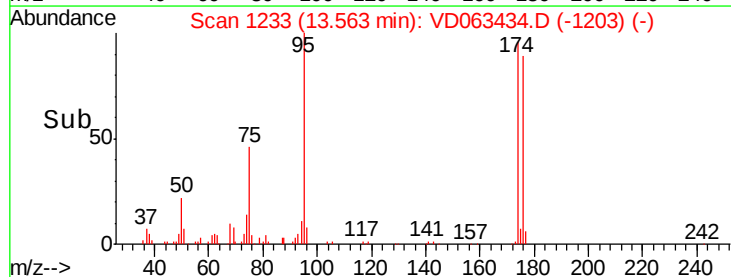
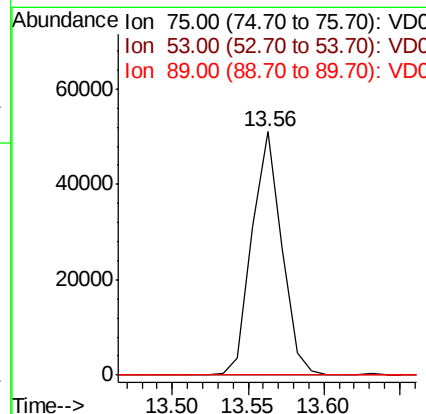
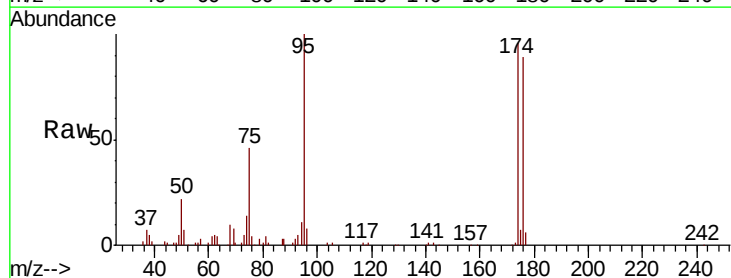
Tgt Ion: 75 Resp: 70035

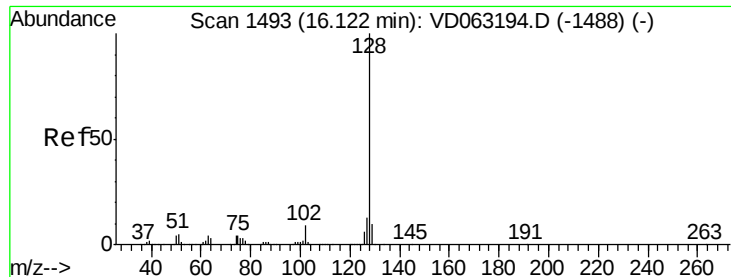
Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 2.001 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD063434.D
Acq: 8 Aug 2019 13:21

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

Tgt Ion:128 Resp: 9053
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 12.4 7.8 11.8#

