

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063312.D
 Acq On : 2 Aug 2019 13:12
 Operator : VA/AP
 Sample : K4120-01RE
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T1-1RE

Quant Time: Aug 04 03:37:33 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	7.03	168	261310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	457865	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	363212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	109575	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	278702	96.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.24%	
35) Dibromofluoromethane	6.91	113	246244	62.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.98%	
50) Toluene-d8	10.39	98	441783	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	13.55	95	142314	35.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.40%	

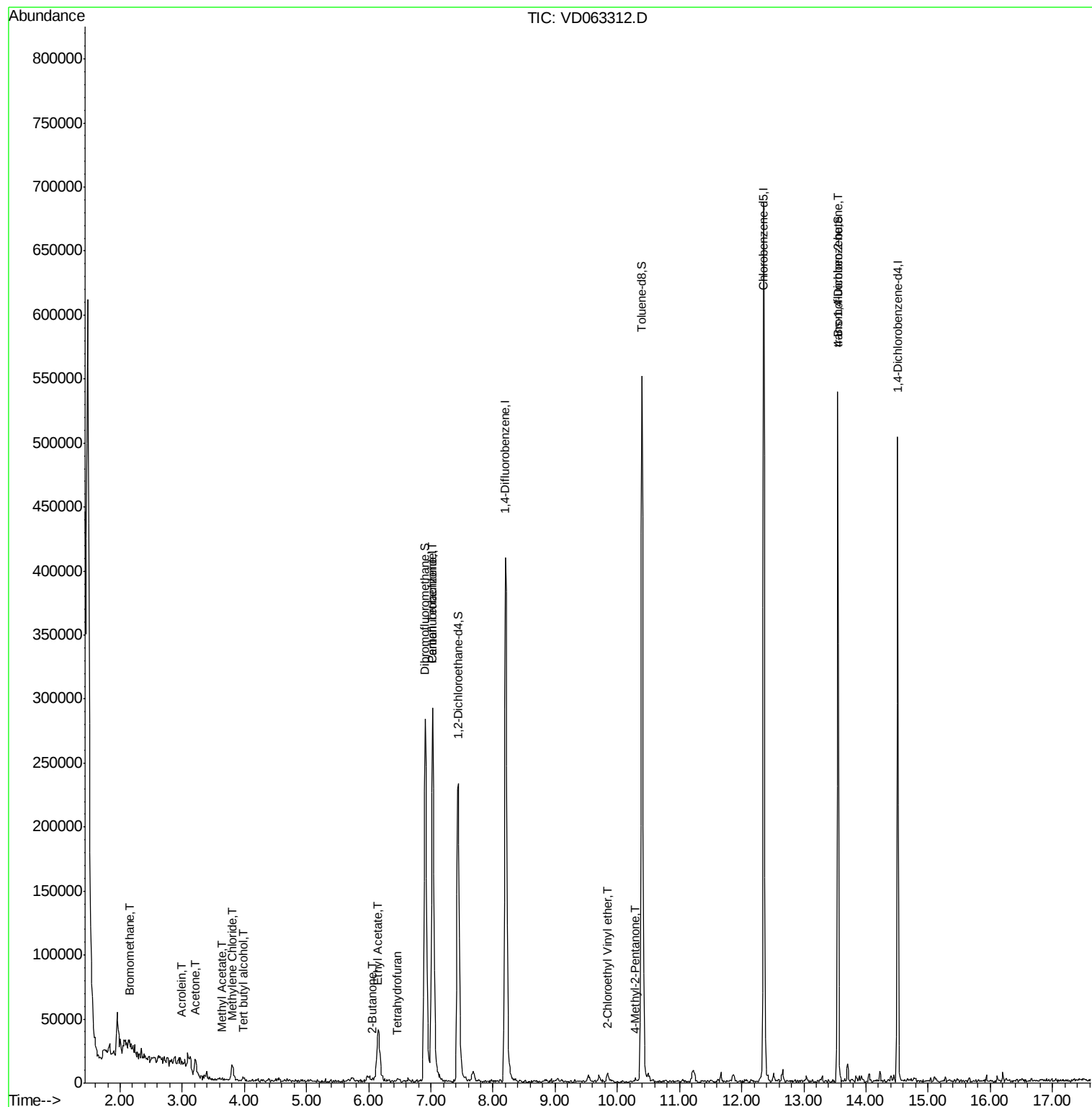
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	4092	3.158	ug/l #	35
11) Tert butyl alcohol	3.98	59	1542	12.119	ug/l #	69
13) Acrolein	2.99	56	209	1.707	ug/l #	15
16) Acetone	3.21	43	29330	51.918	ug/l	96
18) Methyl Acetate	3.64	43	2441	2.249	ug/l #	60
20) Methylene Chloride	3.80	84	8259	3.617	ug/l #	65
25) 2-Butanone	6.06	43	3770	6.650	ug/l #	56
29) Tetrahydrofuran	6.45	42	805	2.999	ug/l #	58
37) Ethyl Acetate	6.15	43	4087	2.177	ug/l #	30
38) Carbon Tetrachloride	7.03	117	28651	4.554	ug/l #	15
51) 4-Methyl-2-Pentanone	10.29	43	2447	1.500	ug/l #	57
58) 2-Chloroethyl Vinyl ether	9.84	63	3347	2.986	ug/l #	87
81) trans-1,4-Dichloro-2-buten	13.55	75	60499	165.540	ug/l #	3

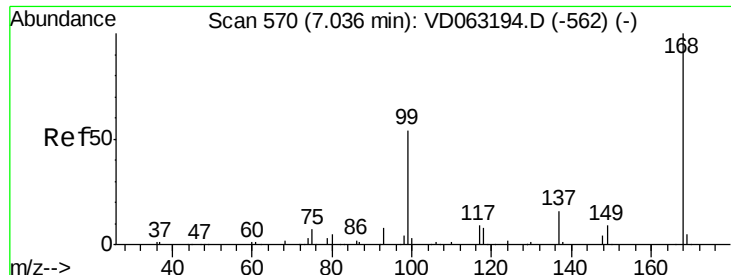
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
Data File : VD063312.D
Acq On : 2 Aug 2019 13:12
Operator : VA/AP
Sample : K4120-01RE
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
T1-1RE

Quant Time: Aug 04 03:37:33 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: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063312.D

Acq: 2 Aug 2019 13:12

Instrument :

MSVOA_D

ClientSampleId :

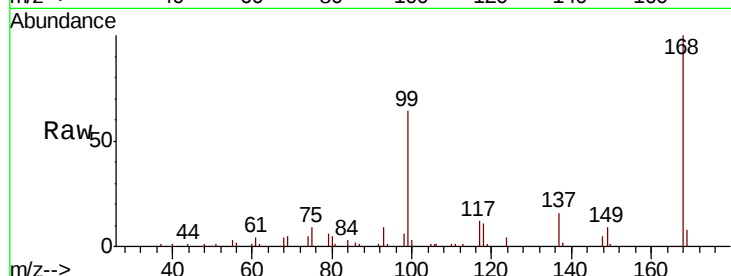
T1-1RE

Tgt Ion:168 Resp: 261310

Ion Ratio Lower Upper

168 100

99 64.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

100000

80000

60000

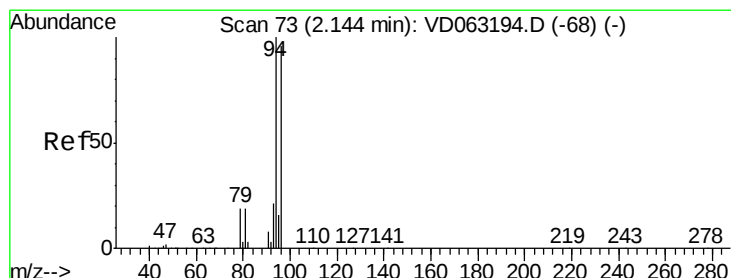
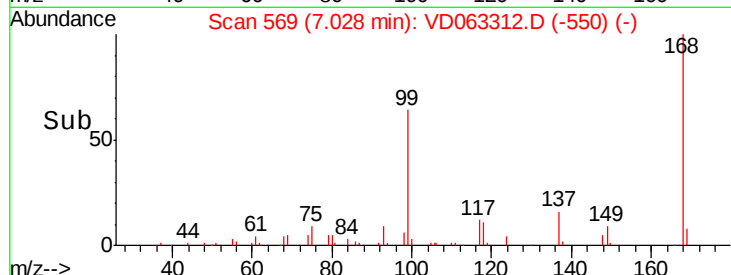
40000

20000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 3.158 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063312.D

Acq: 2 Aug 2019 13:12

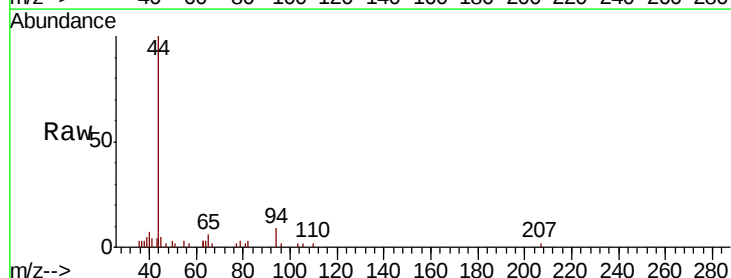
Tgt Ion: 94 Resp: 4092

Ion Ratio Lower Upper

94 100

96 27.5 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

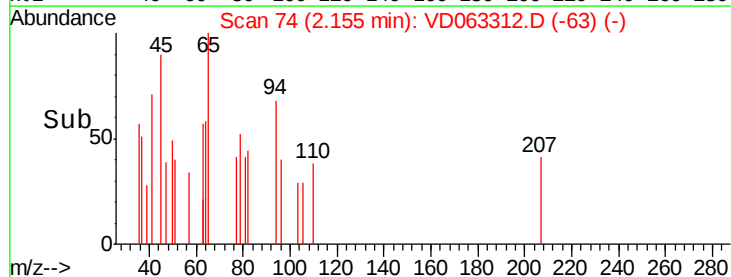
1000

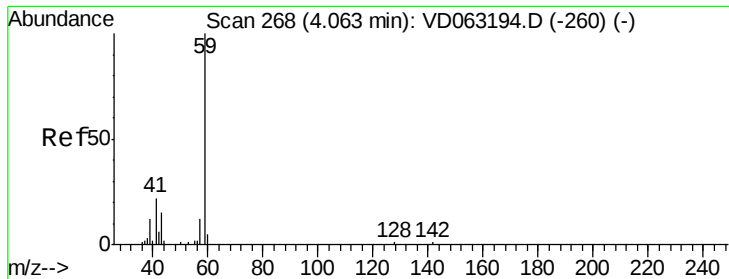
500

0

Time-->

2.10 2.15



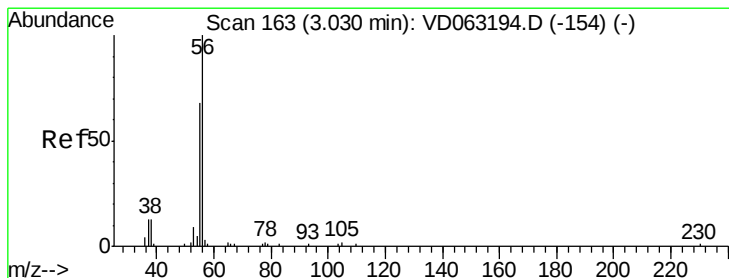
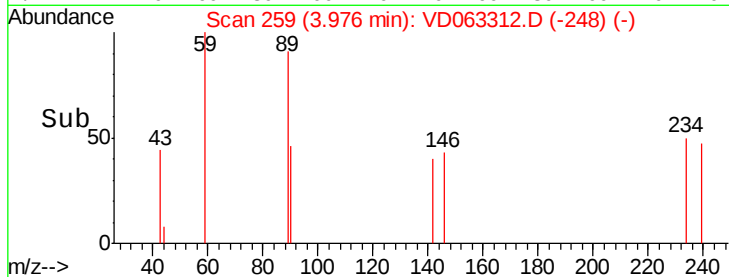
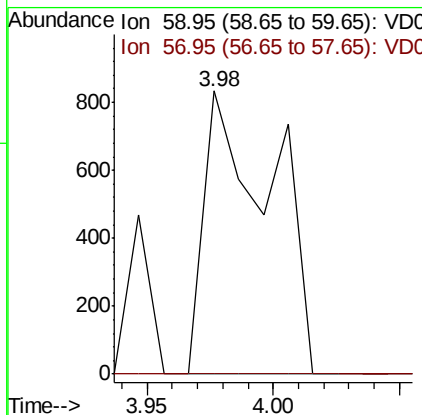
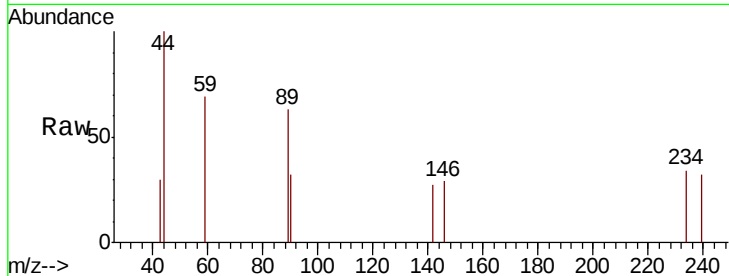


#11

Tert butyl alcohol
 Concen: 12.119 ug/l
 RT: 3.98 min Scan# 259
 Delta R.T. -0.09 min
 Lab File: VD063312.D
 Acq: 2 Aug 2019 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 T1-1RE

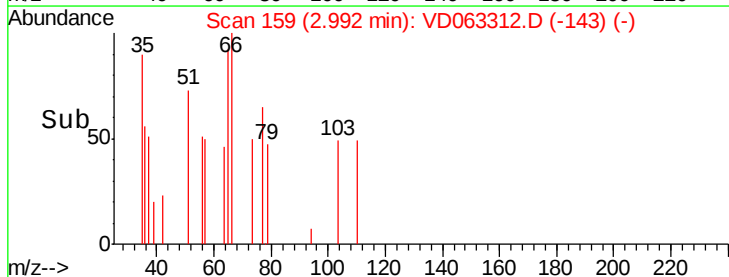
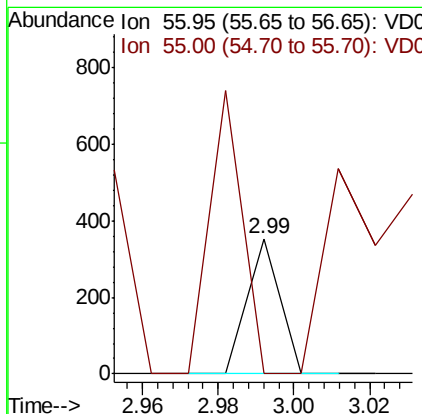
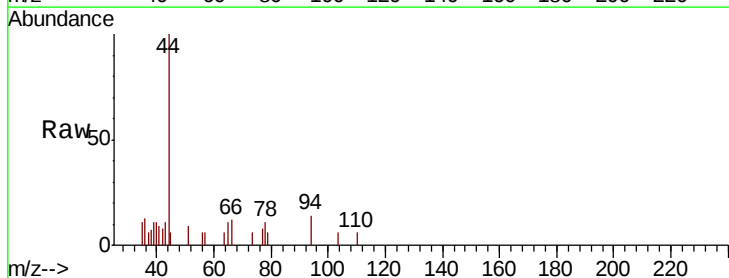
Tgt Ion: 59 Resp: 1542
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.6 14.4#

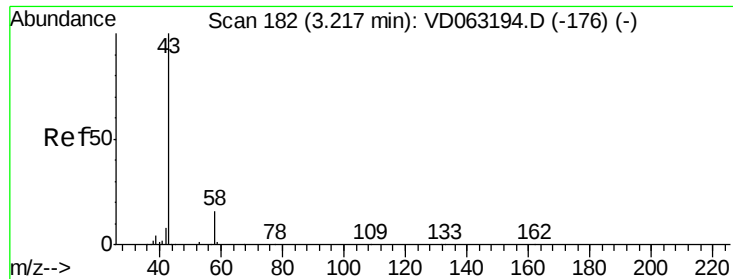


#13

Acrolein
 Concen: 1.707 ug/l
 RT: 2.99 min Scan# 159
 Delta R.T. -0.04 min
 Lab File: VD063312.D
 Acq: 2 Aug 2019 13:12

Tgt Ion: 56 Resp: 209
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.3 82.9#

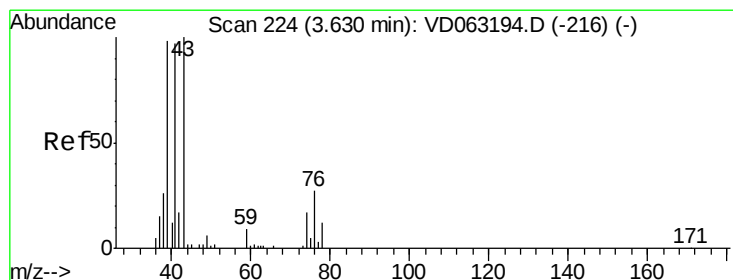
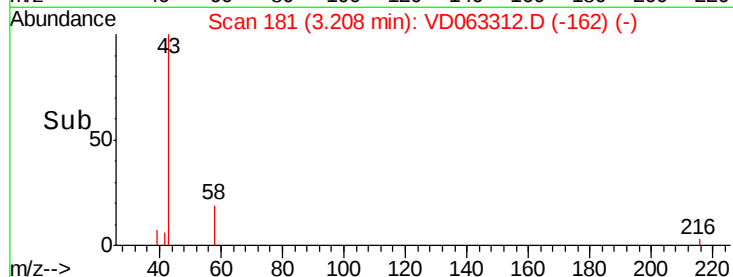
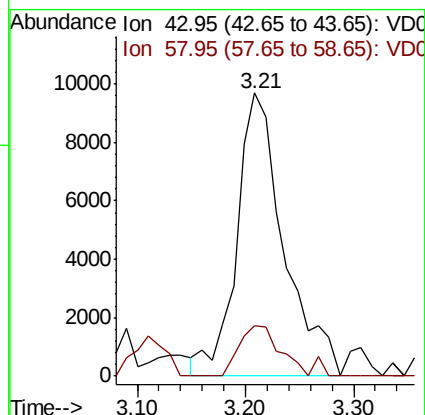
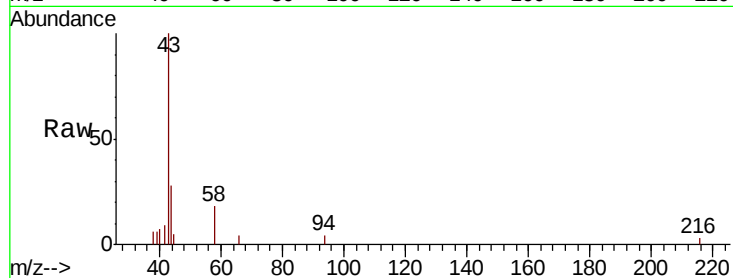




#16
Acetone
Concen: 51.918 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD063312.D
Acq: 2 Aug 2019 13:12

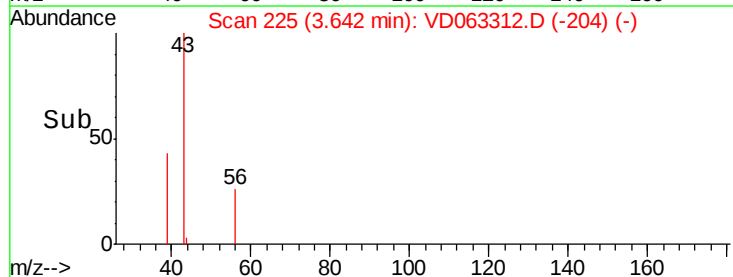
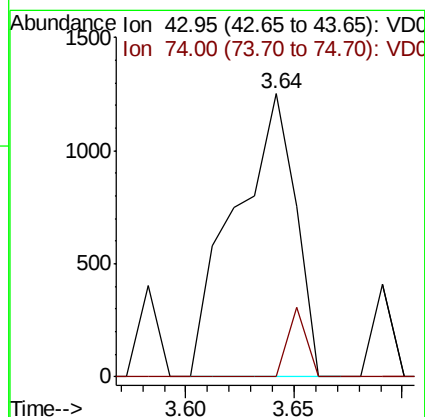
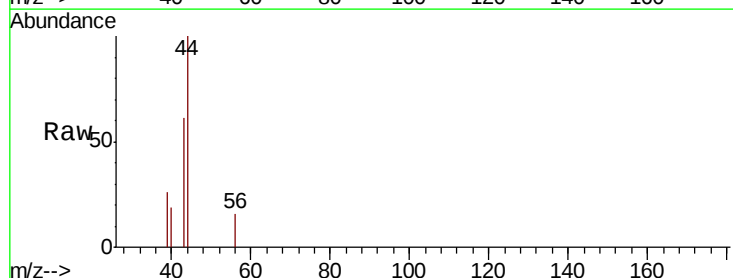
Instrument :
MSVOA_D
ClientSampleId :
T1-1RE

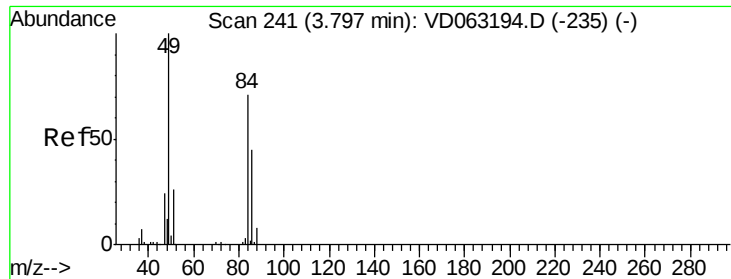
Tgt Ion: 43 Resp: 29330
Ion Ratio Lower Upper
43 100
58 17.8 13.0 19.4



#18
Methyl Acetate
Concen: 2.249 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063312.D
Acq: 2 Aug 2019 13:12

Tgt Ion: 43 Resp: 2441
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.8#

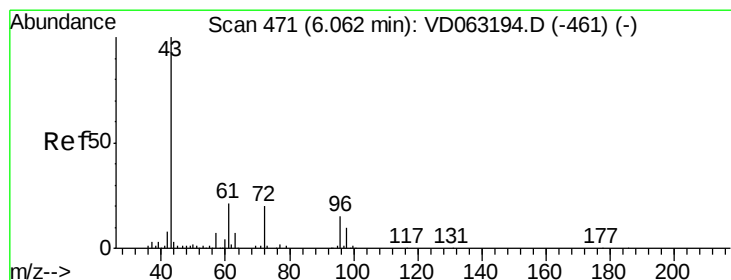
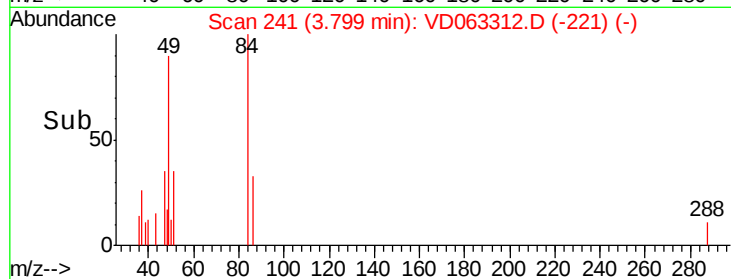
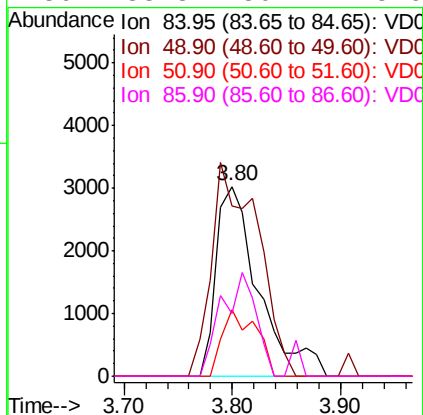
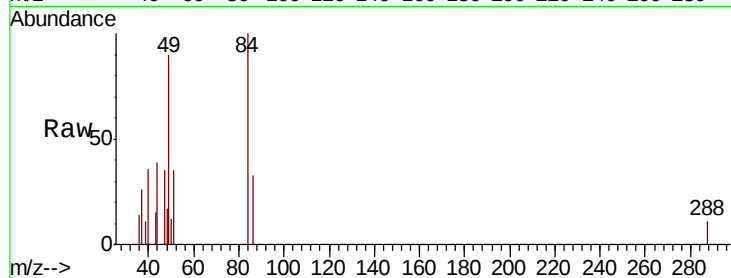




#20
Methylene Chloride
Concen: 3.617 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063312.D
Acq: 2 Aug 2019 13:12

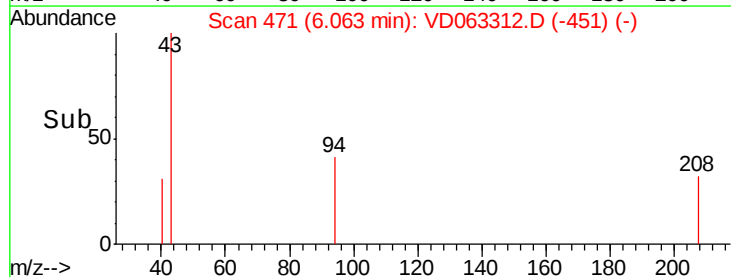
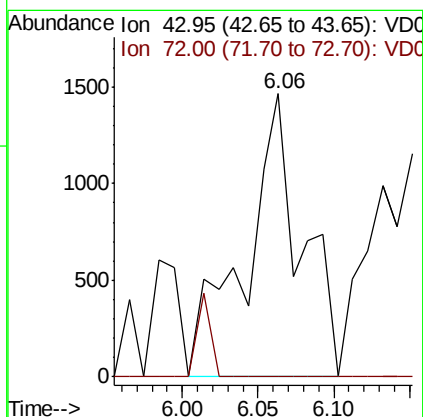
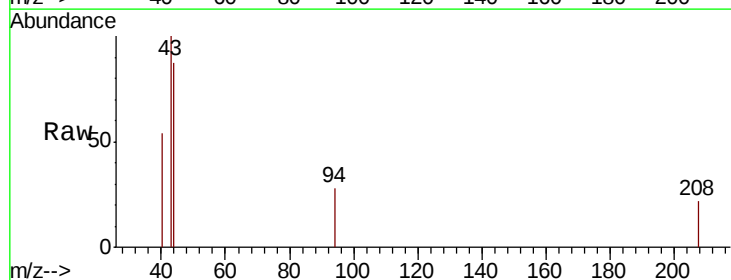
Instrument :
MSVOA_D
ClientSampleId :
T1-1RE

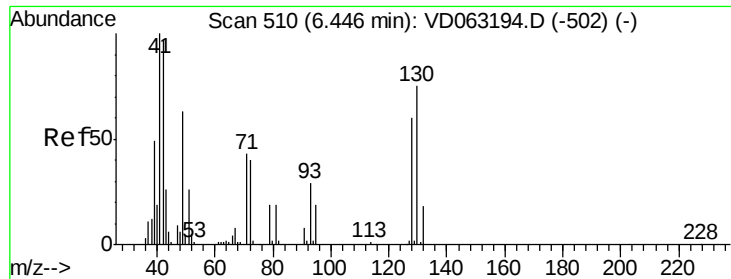
Tgt Ion: 84 Resp: 8259
Ion Ratio Lower Upper
84 100
49 89.9 112.5 168.7#
51 35.3 29.6 44.4
86 33.3 50.4 75.6#



#25
2-Butanone
Concen: 6.650 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.00 min
Lab File: VD063312.D
Acq: 2 Aug 2019 13:12

Tgt Ion: 43 Resp: 3770
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#

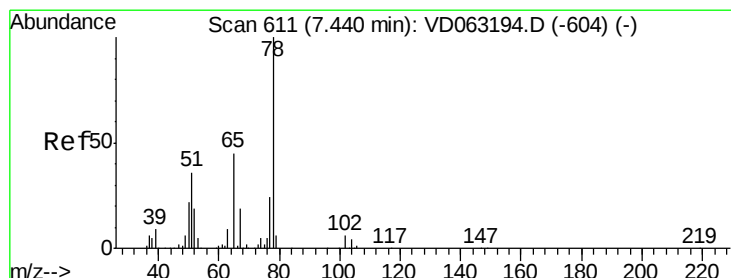
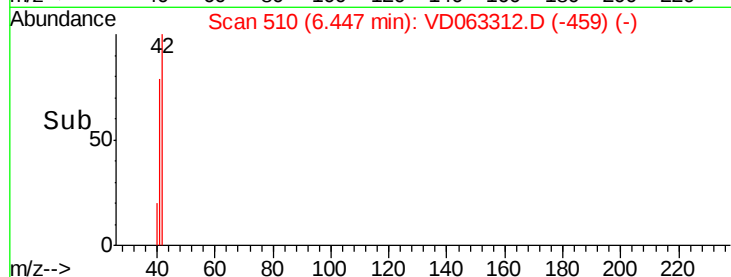
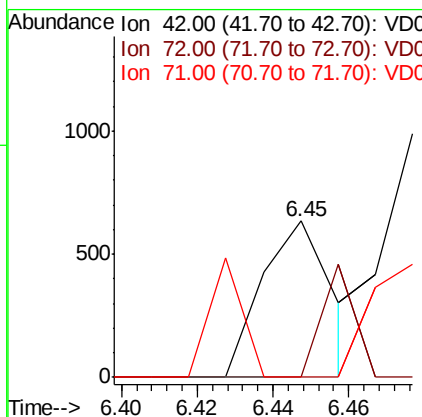
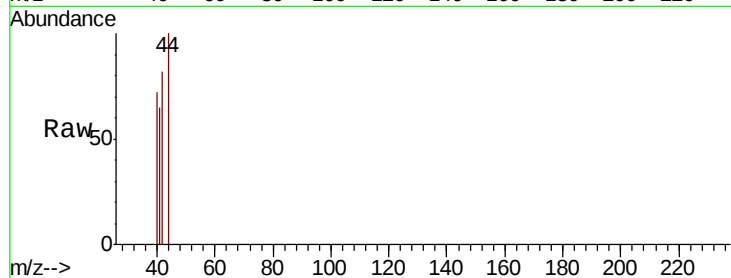




#29
Tetrahydrofuran
Concen: 2.999 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063312.D
Acq: 2 Aug 2019 13:12

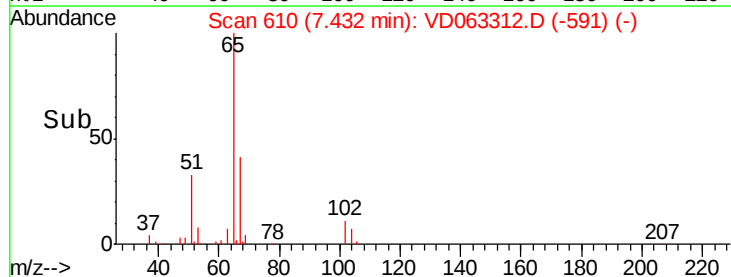
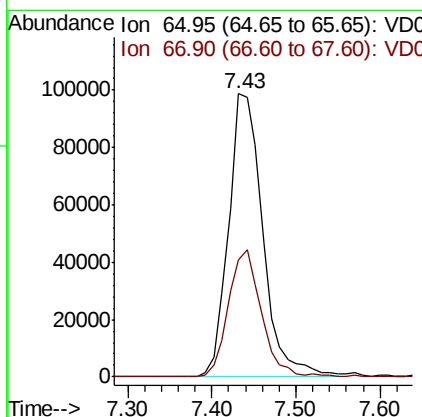
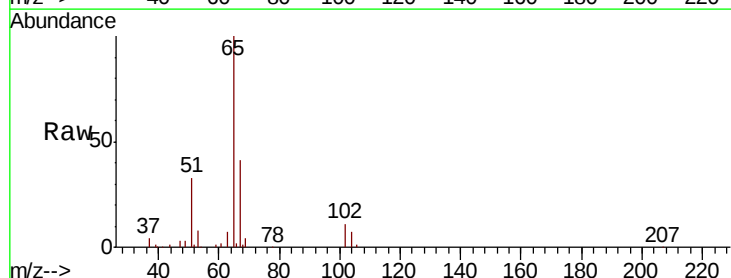
Instrument :
MSVOA_D
ClientSampleId :
T1-1RE

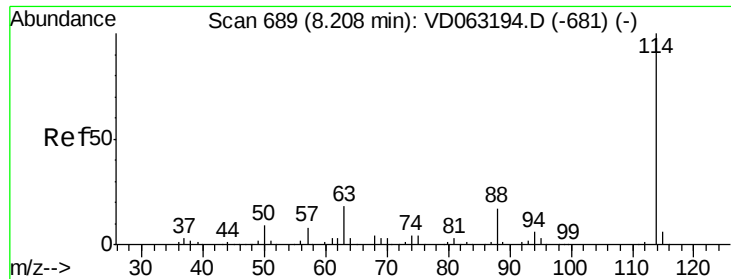
Tgt Ion: 42 Resp: 805
Ion Ratio Lower Upper
42 100
72 33.7 33.4 50.2
71 0.0 35.7 53.5#



#33
1,2-Dichloroethane-d4
Concen: 96.121 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD063312.D
Acq: 2 Aug 2019 13:12

Tgt Ion: 65 Resp: 278702
Ion Ratio Lower Upper
65 100
67 41.1 0.0 85.8

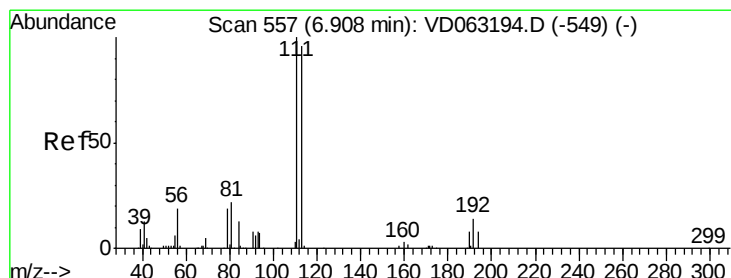
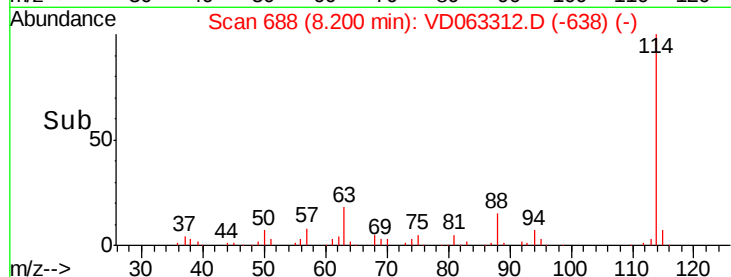
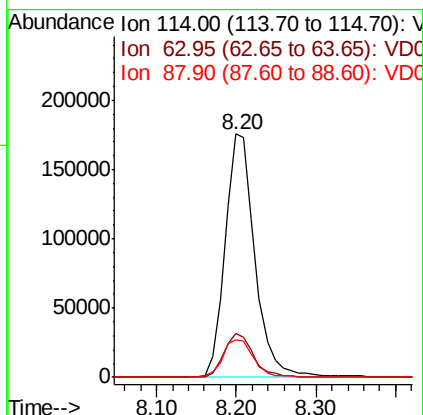
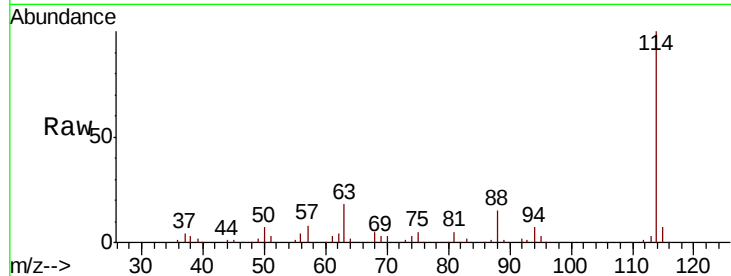




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VD063312.D
 Acq: 2 Aug 2019 13:12

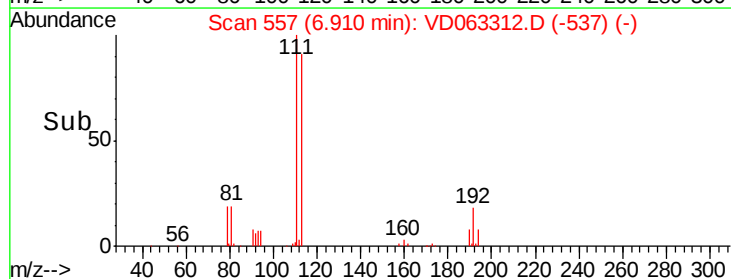
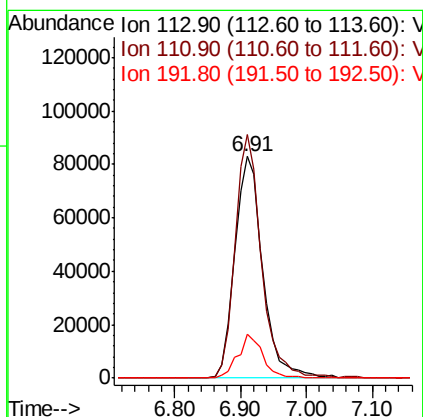
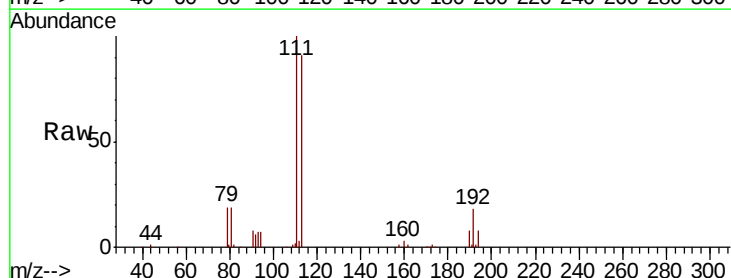
Instrument :
 MSVOA_D
 ClientSampleId :
 T1-1RE

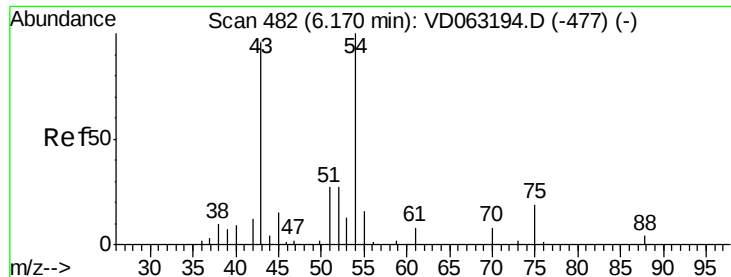
Tgt Ion:114 Resp: 457865
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.2
 88 15.4 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 62.991 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD063312.D
 Acq: 2 Aug 2019 13:12

Tgt Ion:113 Resp: 246244
 Ion Ratio Lower Upper
 113 100
 111 110.0 83.2 124.8
 192 20.0 11.8 17.8#

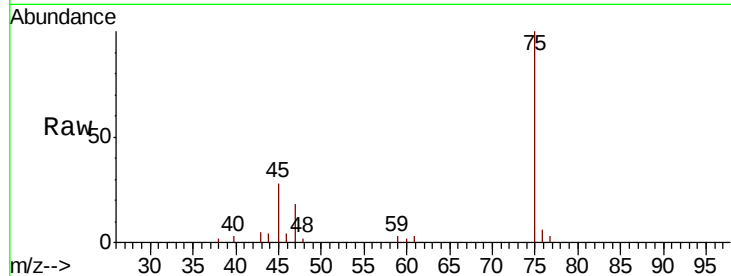




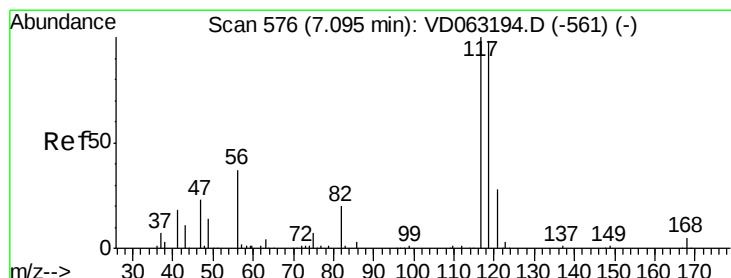
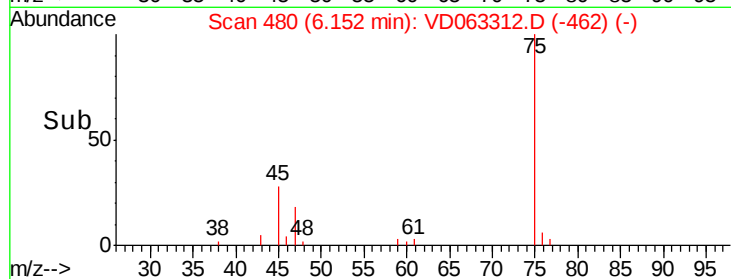
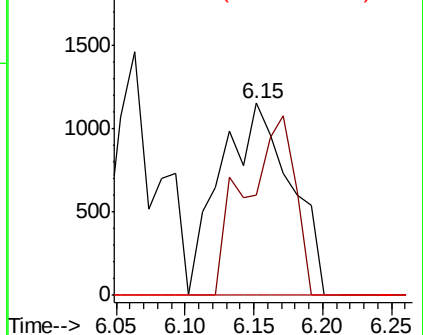
#37
 Ethyl Acetate
 Concen: 2.177 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: VD063312.D
 Acq: 2 Aug 2019 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 T1-1RE

Tgt Ion: 43 Resp: 4087
 Ion Ratio Lower Upper
 43 100
 61 52.3 11.3 16.9#
 70 0.0 5.1 7.7#

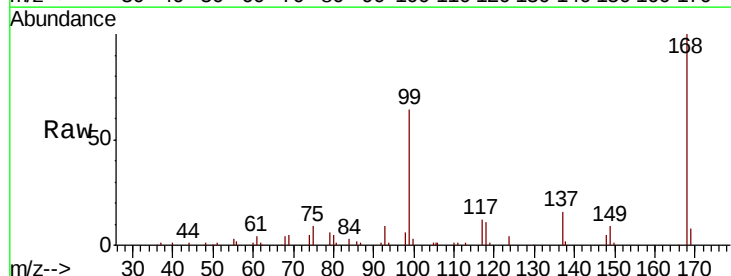


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

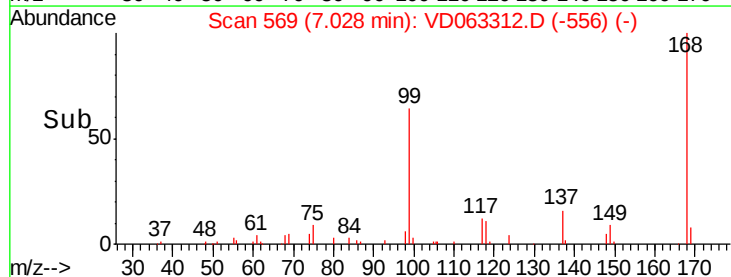
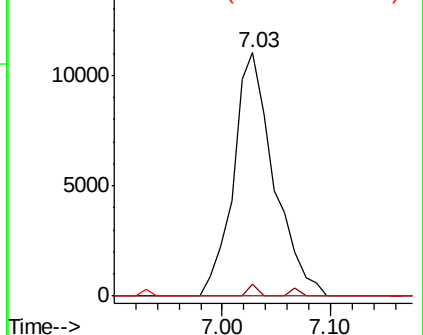


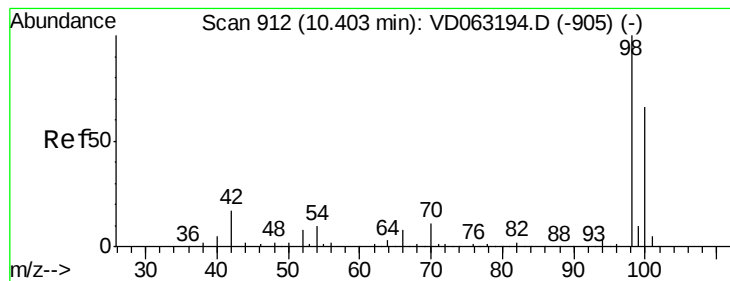
#38
 Carbon Tetrachloride
 Concen: 4.554 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.07 min
 Lab File: VD063312.D
 Acq: 2 Aug 2019 13:12

Tgt Ion: 117 Resp: 28651
 Ion Ratio Lower Upper
 117 100
 119 4.9 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: 50.497 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD063312.D

Acq: 2 Aug 2019 13:12

Instrument :

MSVOA_D

ClientSampleId :

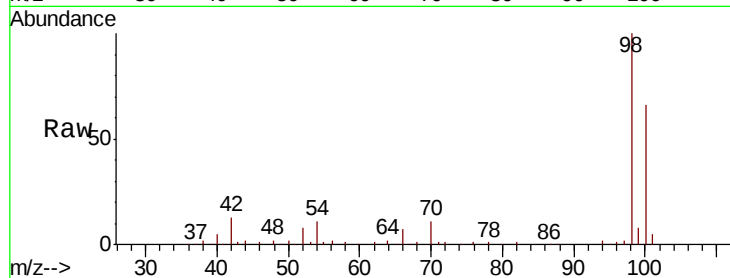
T1-1RE

Tgt Ion: 98 Resp: 441783

Ion Ratio Lower Upper

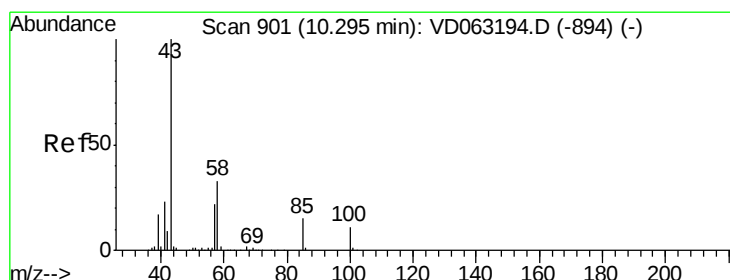
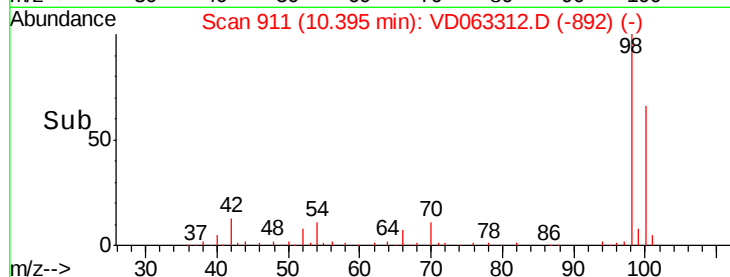
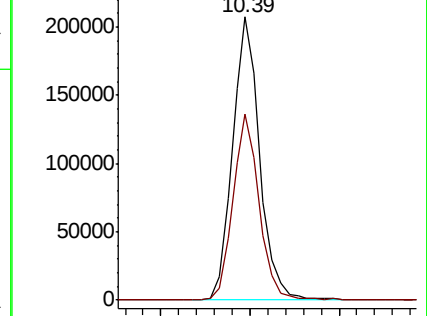
98 100

100 65.6 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.500 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD063312.D

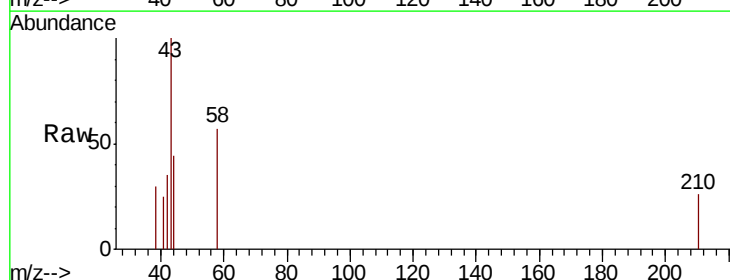
Acq: 2 Aug 2019 13:12

Tgt Ion: 43 Resp: 2447

Ion Ratio Lower Upper

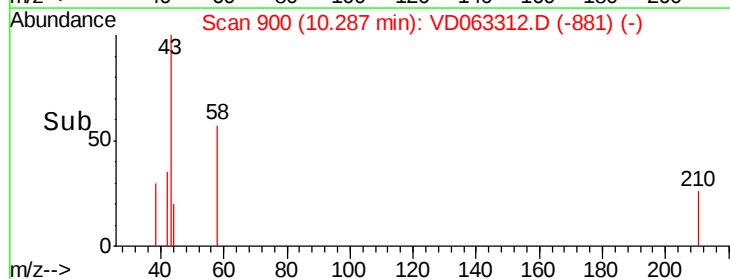
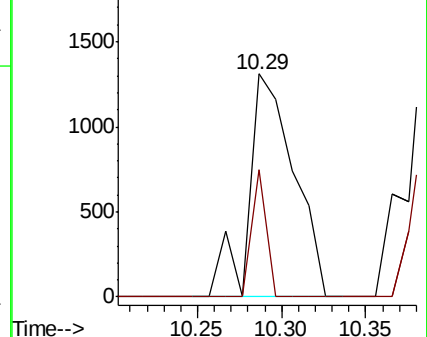
43 100

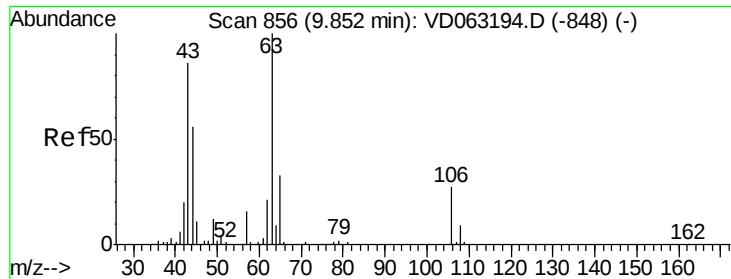
58 57.1 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

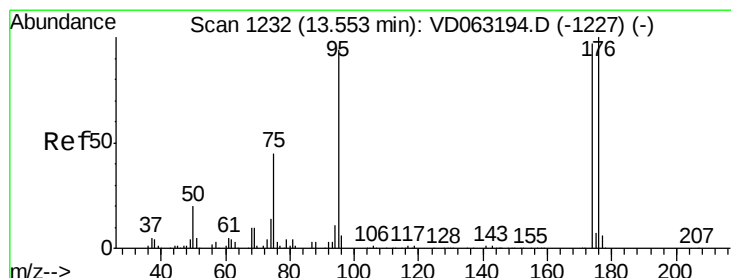
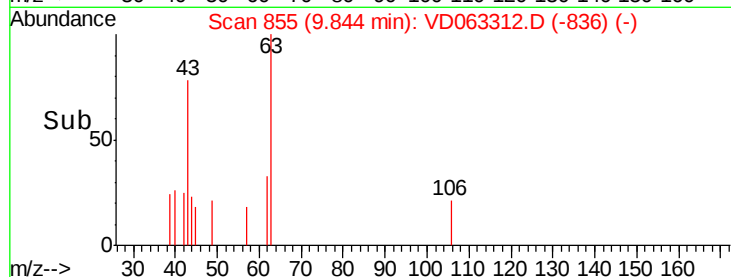
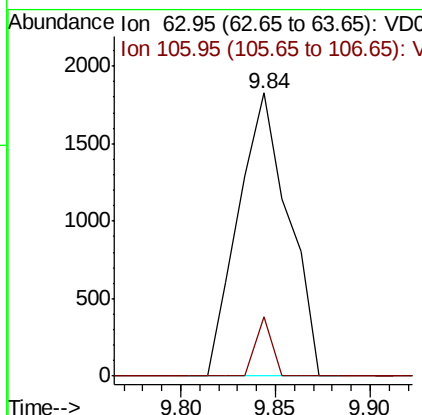
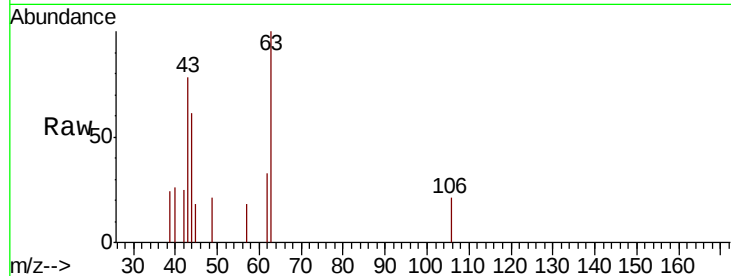




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.986 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD063312.D
 Acq: 2 Aug 2019 13:12

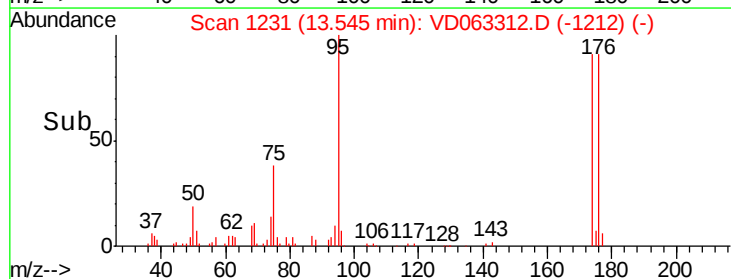
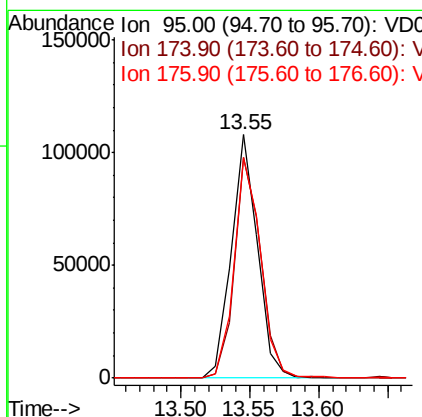
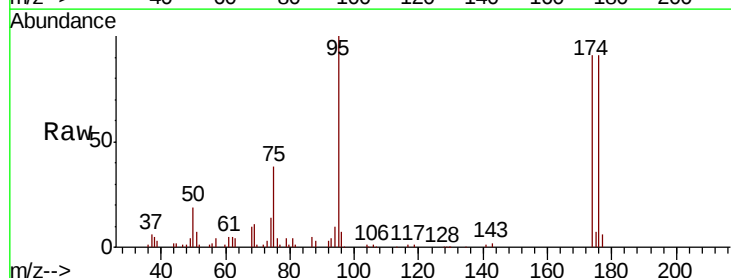
Instrument :
 MSVOA_D
 ClientSampleId :
 T1-1RE

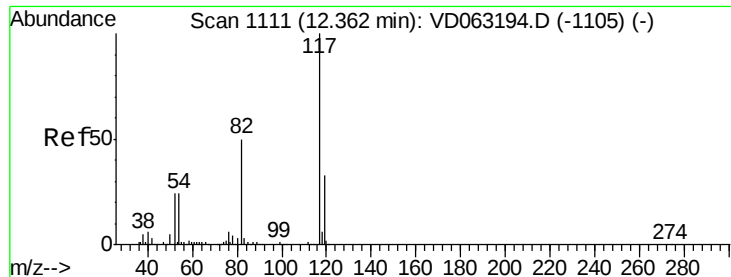
Tgt Ion: 63 Resp: 3347
 Ion Ratio Lower Upper
 63 100
 106 20.9 22.0 33.0#



#62
 4-Bromofluorobenzene
 Concen: 35.697 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063312.D
 Acq: 2 Aug 2019 13:12

Tgt Ion: 95 Resp: 142314
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 205.4
 176 90.5 0.0 211.8

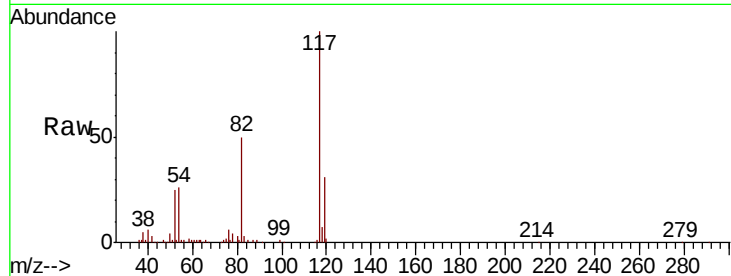




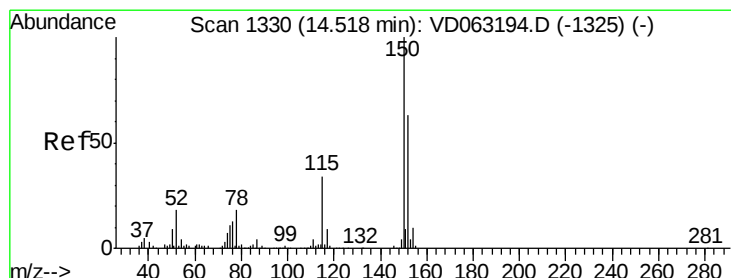
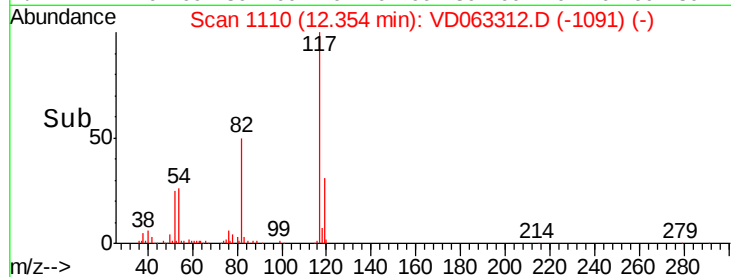
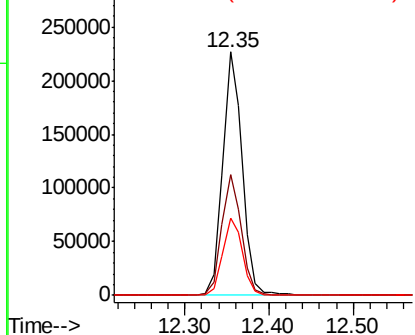
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD063312.D
Acq: 2 Aug 2019 13:12

Instrument :
MSVOA_D
ClientSampleId :
T1-1RE

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.8	40.1	60.1
119	31.5	26.5	39.7

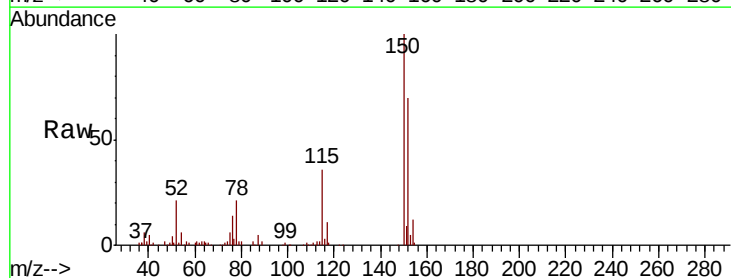


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

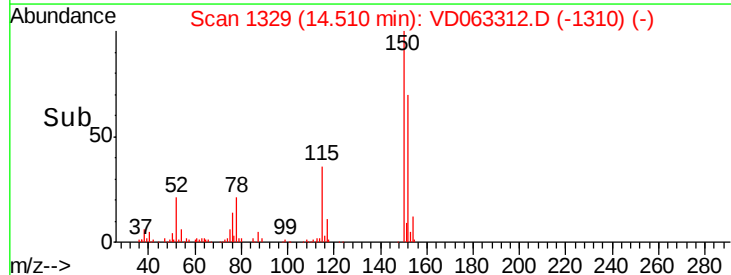
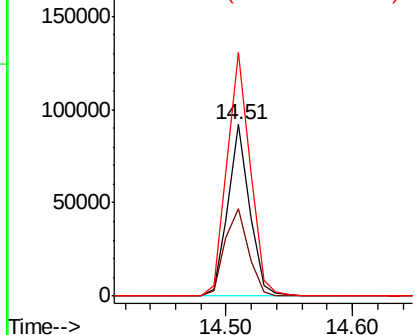


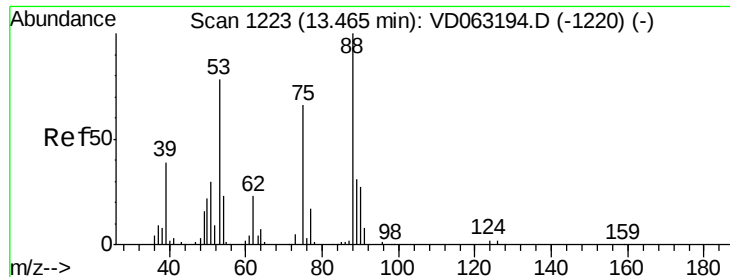
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063312.D
Acq: 2 Aug 2019 13:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.2	27.5	82.4
150	141.9	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





#81

trans-1,4-Dichloro-2-butene

Concen: 165.540 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063312.D

Acq: 2 Aug 2019 13:12

Instrument :

MSVOA_D

ClientSampleId :

T1-1RE

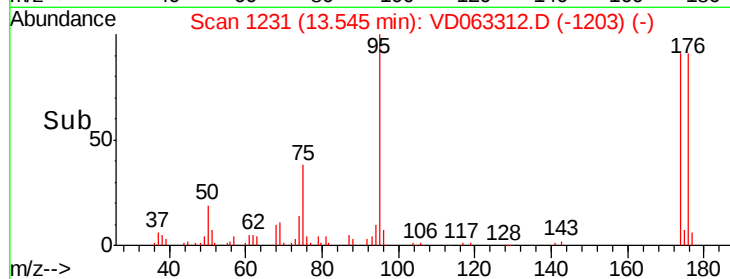
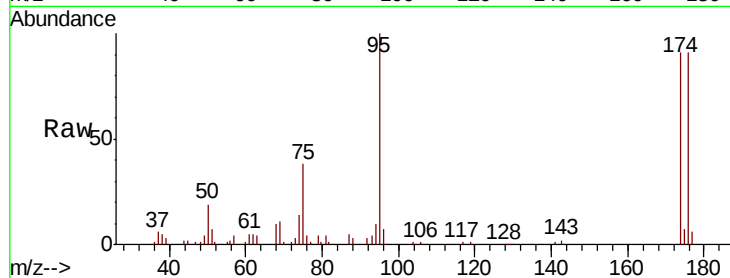
Tgt Ion: 75 Resp: 60499

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

