

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063300.D
 Acq On : 1 Aug 2019 18:46
 Operator : VA/AP
 Sample : K4120-10
 Misc : 5.13g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SW-4

Quant Time: Aug 02 07:26:38 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	973027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1393327	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	919451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	263215	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	405275	37.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	75.08%	
35) Dibromofluoromethane	6.91	113	478818	40.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.50%	
50) Toluene-d8	10.40	98	889443	33.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	66.82%	
62) 4-Bromofluorobenzene	13.55	95	271325	22.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	44.72%	

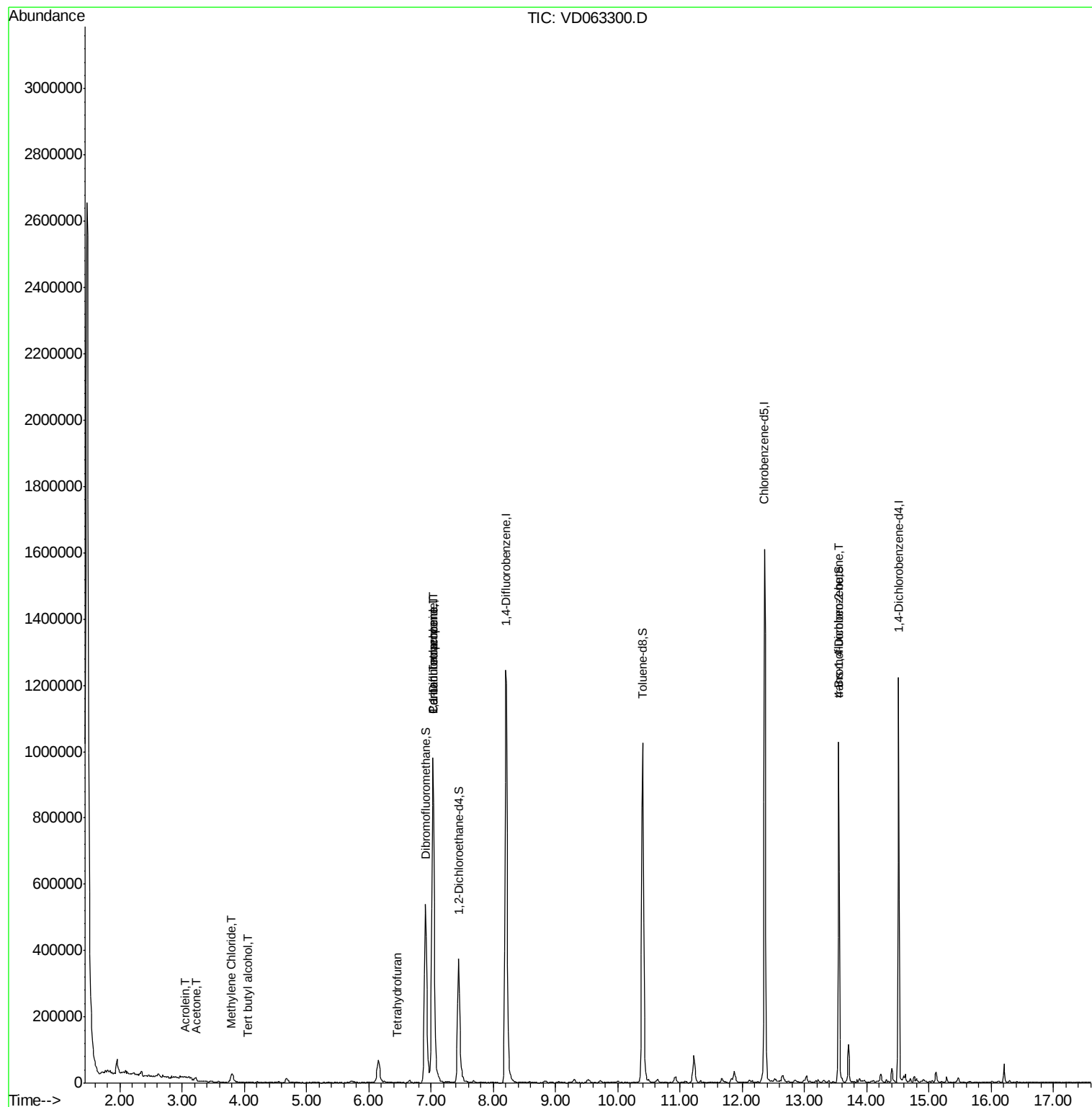
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	635	1.340	ug/l #	69
13) Acrolein	3.03	56	645	1.414	ug/l #	50
16) Acetone	3.21	43	26867	12.772	ug/l	95
20) Methylene Chloride	3.80	84	15711	1.848	ug/l	89
29) Tetrahydrofuran	6.44	42	1090	1.091	ug/l #	33
36) 1,1-Dichloropropene	7.03	75	69968	5.502	ug/l #	57
38) Carbon Tetrachloride	7.03	117	89608	4.681	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	115925	132.048	ug/l #	3

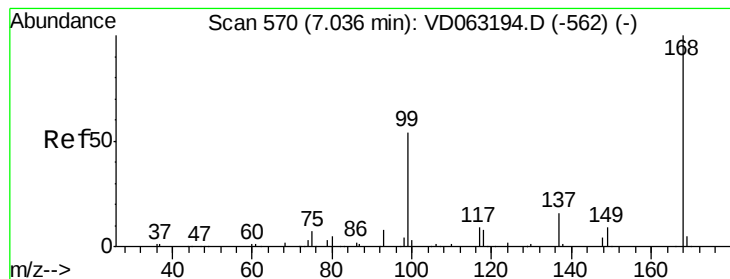
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080119\
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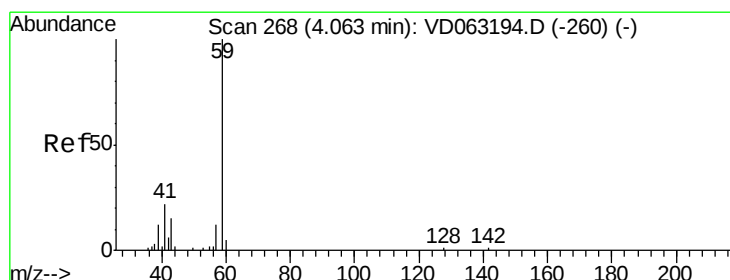
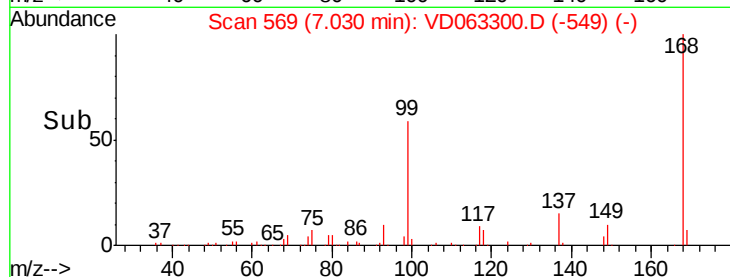
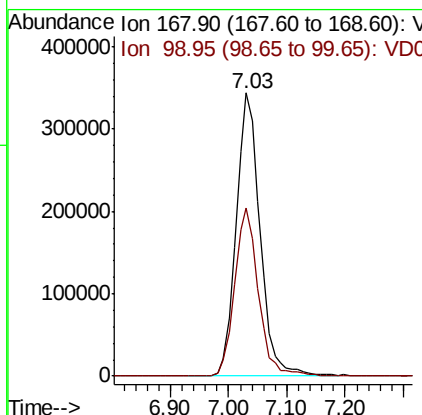
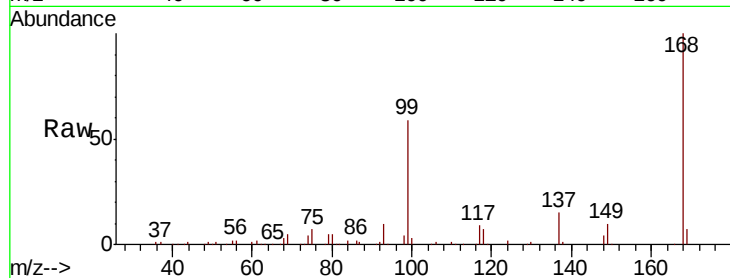




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.01 min
Lab File: VD063300.D
Acq: 1 Aug 2019 18:46

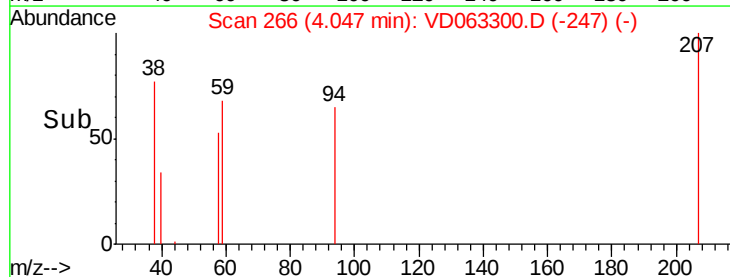
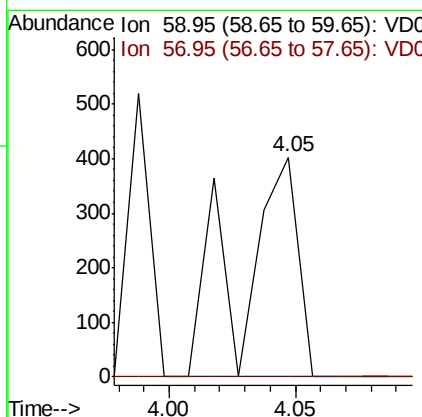
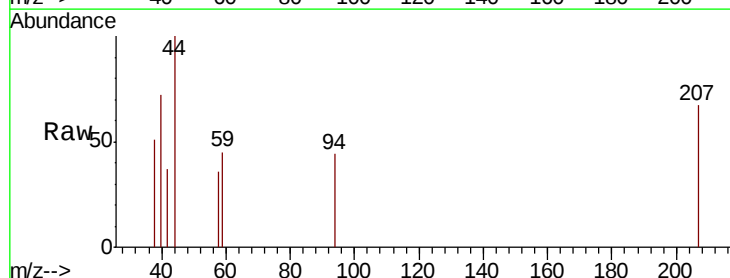
Instrument :
MSVOA_D
ClientSampleId :
SW-4

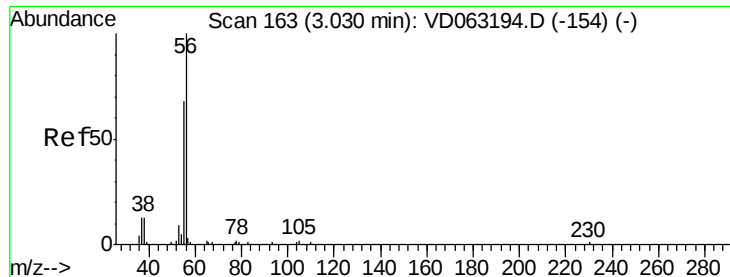
Tot Ion:168 Resp: 973027
Ion Ratio Lower Upper
168 100
99 59.4 43.7 65.5



#11
Tert butyl alcohol
Concen: 1.340 ug/l
RT: 4.05 min Scan# 266
Delta R.T. -0.02 min
Lab File: VD063300.D
Acq: 1 Aug 2019 18:46

Tgt Ion: 59 Resp: 635
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#





#13

Acrolein

Concen: 1.414 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063300.D

Acq: 1 Aug 2019 18:46

Instrument :

MSVOA_D

ClientSampleID :

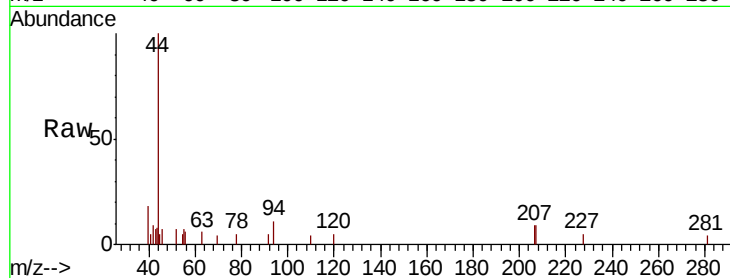
SW-4

Tot Ion: 56 Resp: 645

Ion Ratio Lower Upper

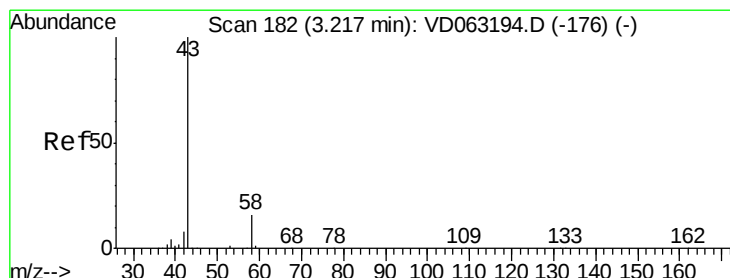
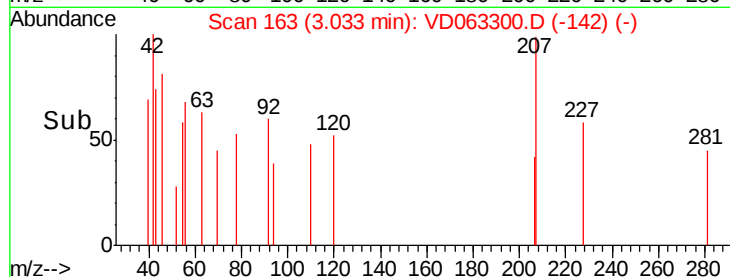
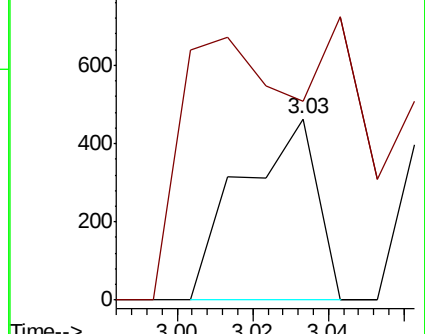
56 100

55 109.5 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 12.772 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063300.D

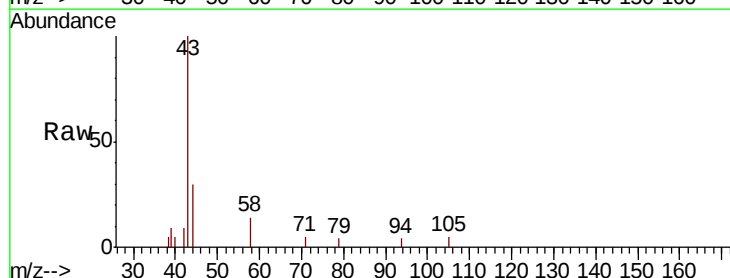
Acq: 1 Aug 2019 18:46

Tgt Ion: 43 Resp: 26867

Ion Ratio Lower Upper

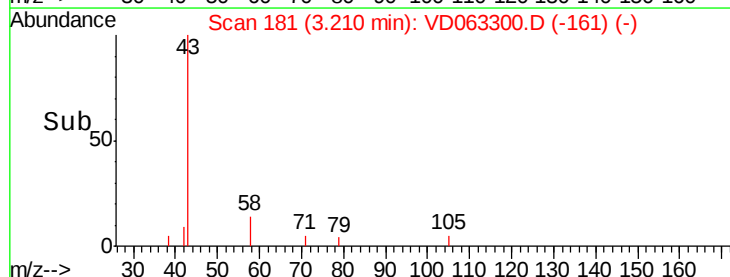
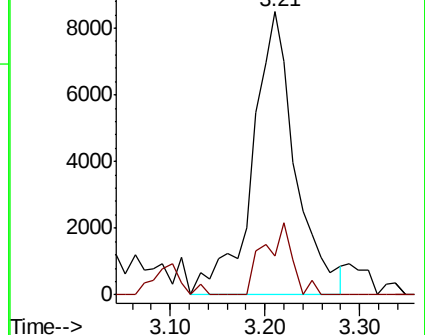
43 100

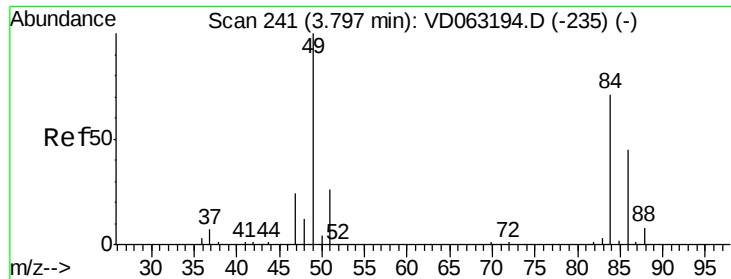
58 14.0 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

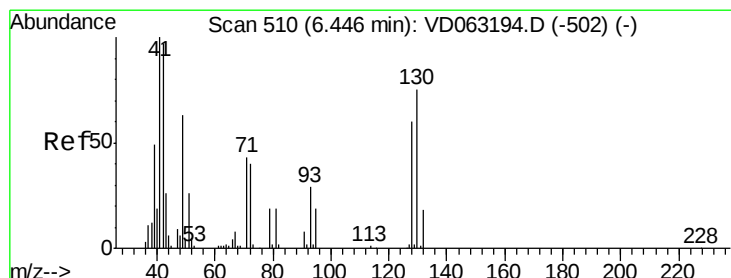
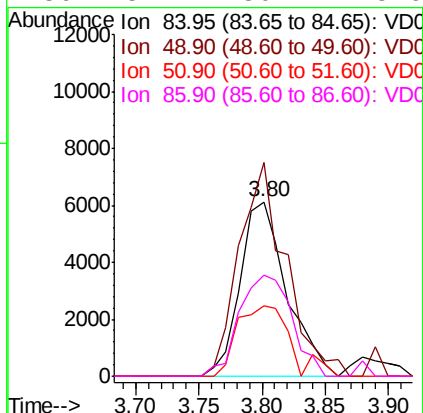
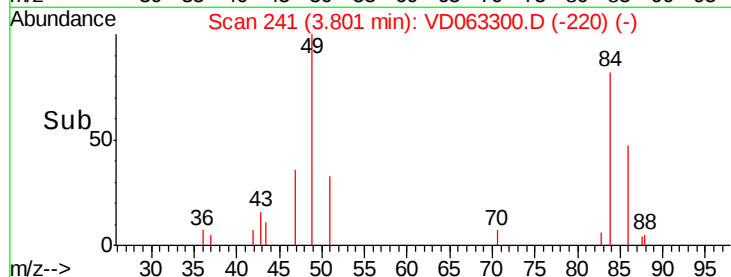
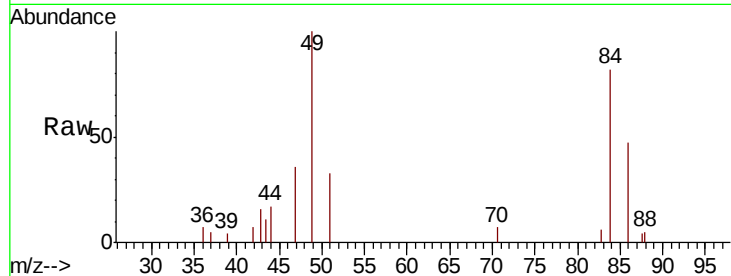




#20
Methvlene Chloride
Concen: 1.848 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063300.D
Acq: 1 Aug 2019 18:46

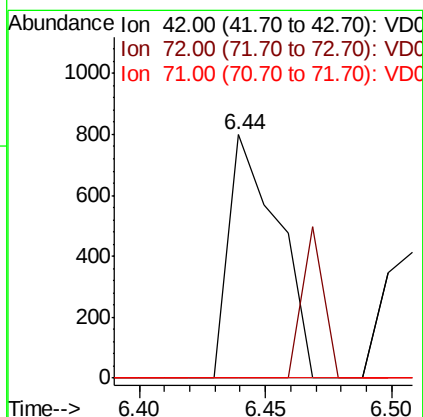
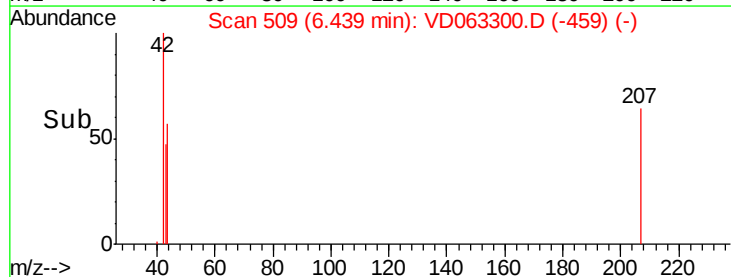
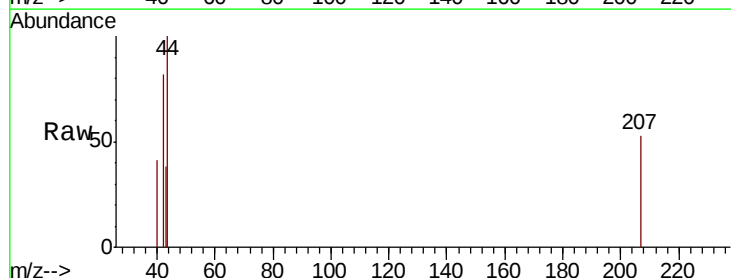
Instrument :
MSVOA_D
ClientSampleId :
SW-4

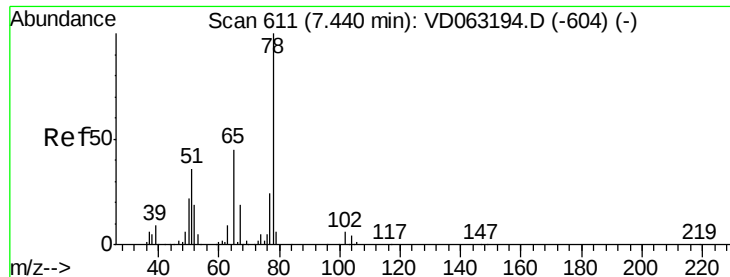
Tot Ion: 84 Resp: 15711
Ion Ratio Lower Upper
84 100
49 122.6 112.5 168.7
51 40.2 29.6 44.4
86 57.7 50.4 75.6



#29
Tetrahydrofuran
Concen: 1.091 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063300.D
Acq: 1 Aug 2019 18:46

Tgt Ion: 42 Resp: 1090
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.2#
71 0.0 35.7 53.5#

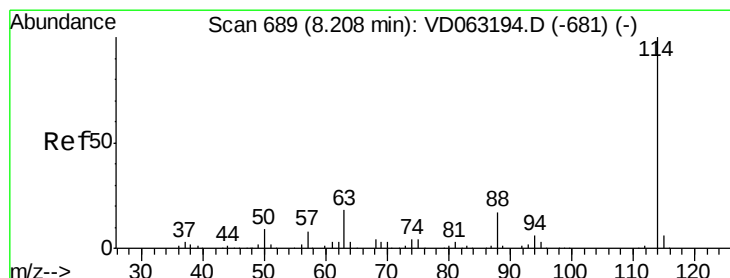
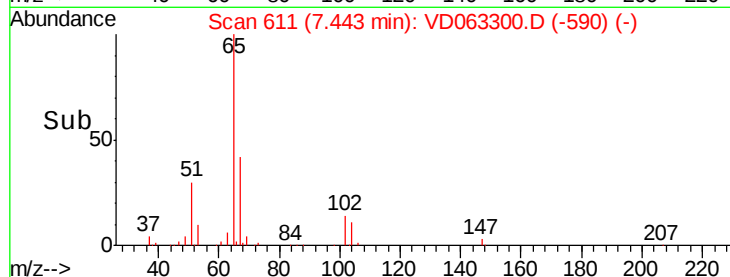
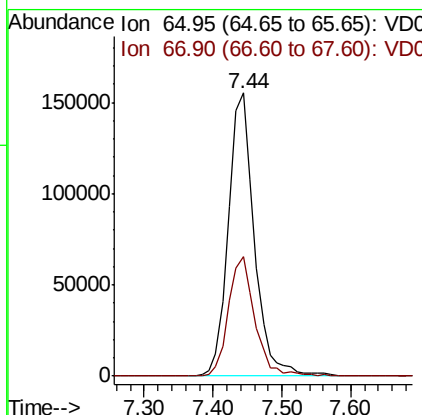
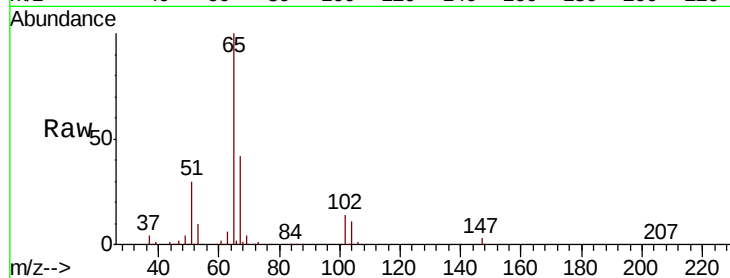




#33
 1,2-Dichloroethane-d4
 Concen: 37.537 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063300.D
 Acq: 1 Aug 2019 18:46

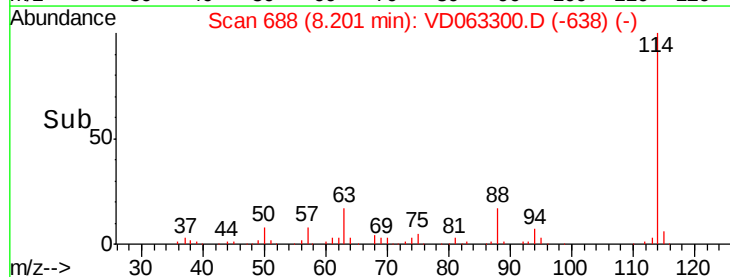
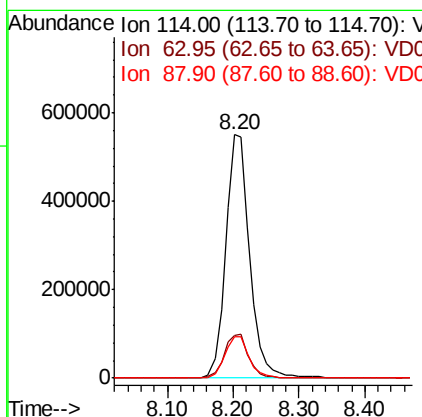
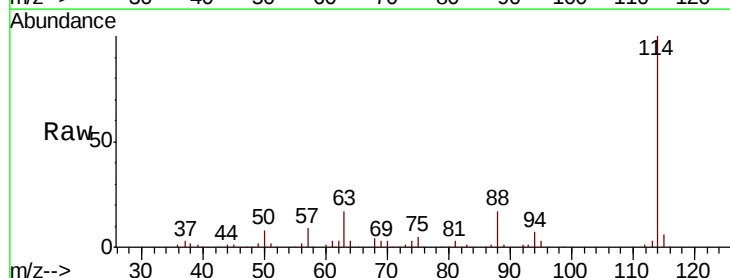
Instrument :
 MSVOA_D
 ClientSampleId :
 SW-4

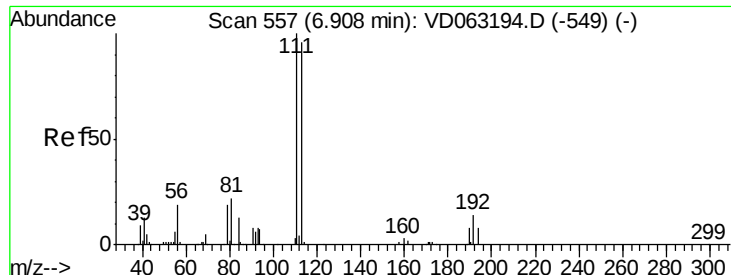
Tot Ion: 65 Resp: 405275
 Ion Ratio Lower Upper
 65 100
 67 42.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VD063300.D
 Acq: 1 Aug 2019 18:46

Tgt Ion: 114 Resp: 1393327
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.2
 88 17.1 0.0 34.6





#35

Dibromofluoromethane

Concen: 40.250 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063300.D

Acq: 1 Aug 2019 18:46

Instrument :

MSVOA_D

ClientSampleId :

SW-4

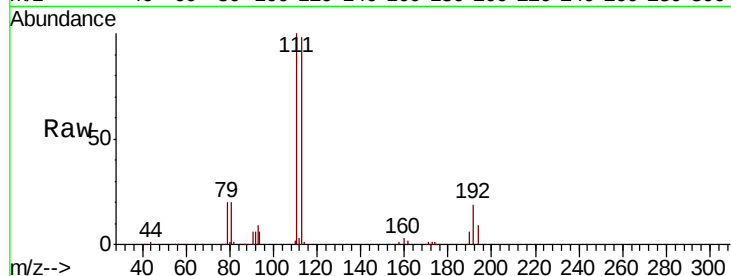
Tot Ion:113 Resp: 478818

Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

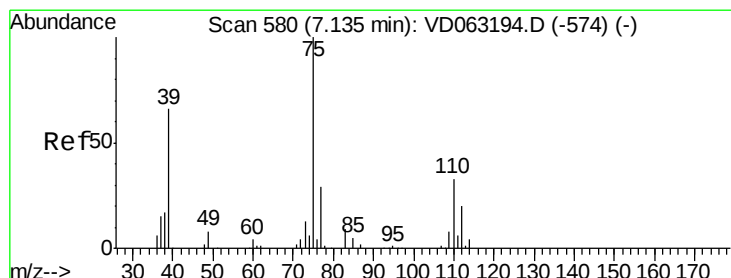
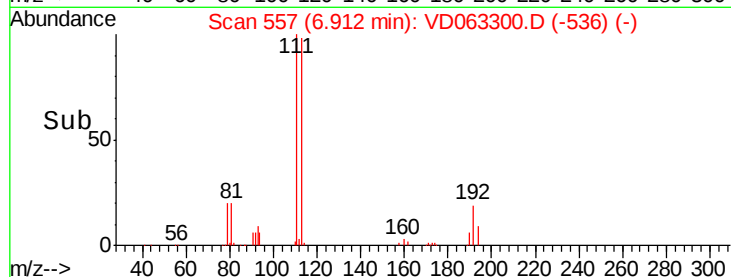
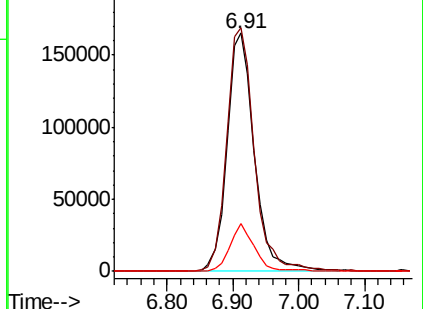
192 19.8 11.8 17.8#



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



#36

1,1-Dichloropropene

Concen: 5.502 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063300.D

Acq: 1 Aug 2019 18:46

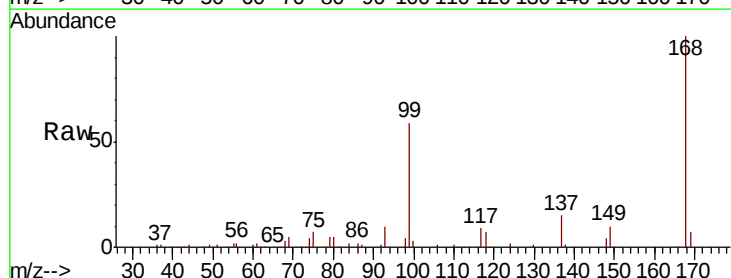
Tgt Ion: 75 Resp: 69968

Ion Ratio Lower Upper

75 100

110 13.8 16.1 48.2#

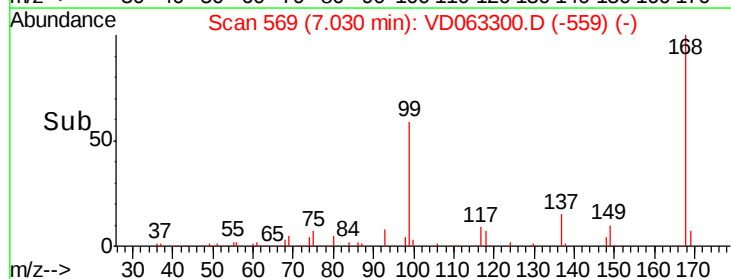
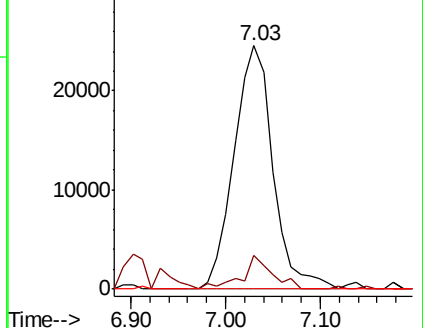
77 0.0 22.7 34.1#

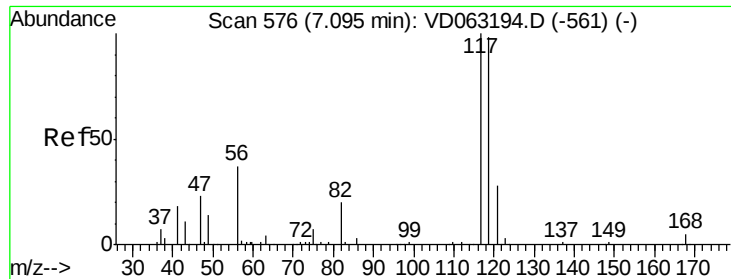


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 4.681 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD063300.D

Acq: 1 Aug 2019 18:46

Instrument :

MSVOA_D

ClientSampleId :

SW-4

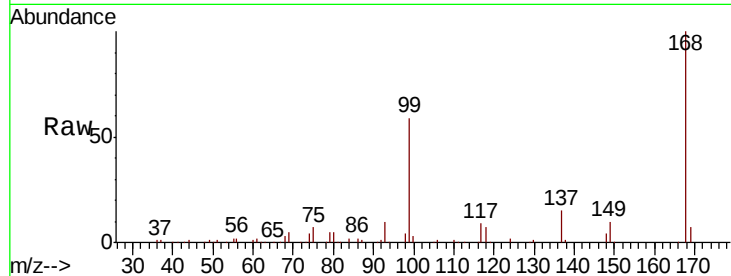
Tot Ion:117 Resp: 89608

Ion Ratio Lower Upper

117 100

119 4.7 78.2 117.2#

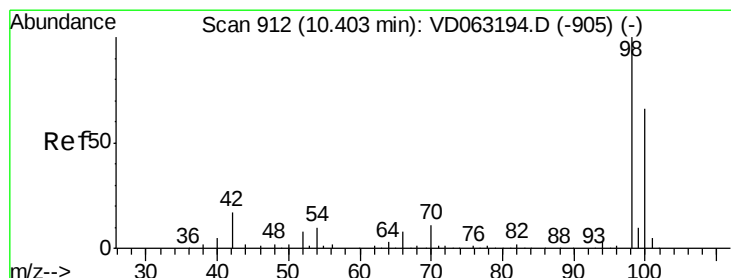
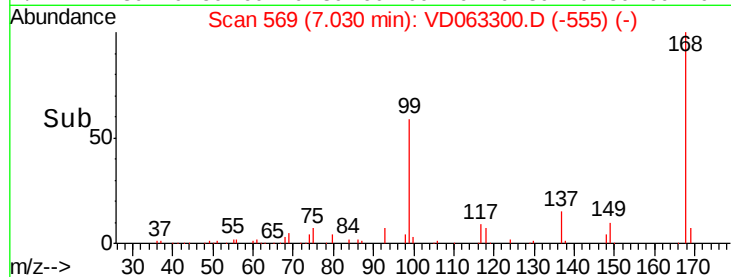
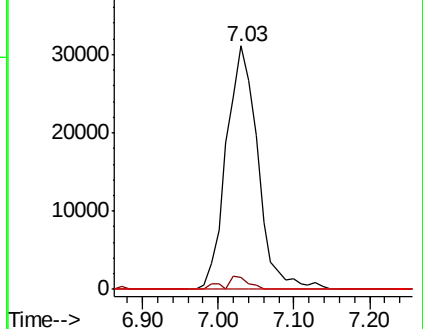
121 0.0 22.1 33.1#



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: 33.408 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD063300.D

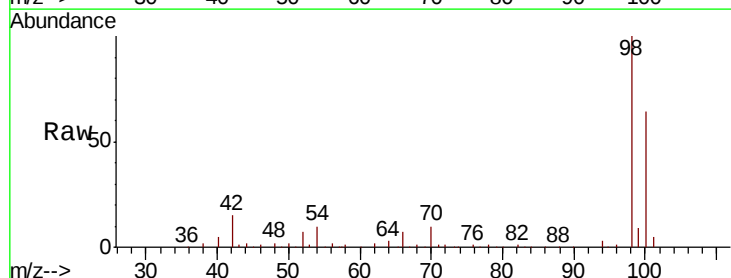
Acq: 1 Aug 2019 18:46

Tgt Ion: 98 Resp: 889443

Ion Ratio Lower Upper

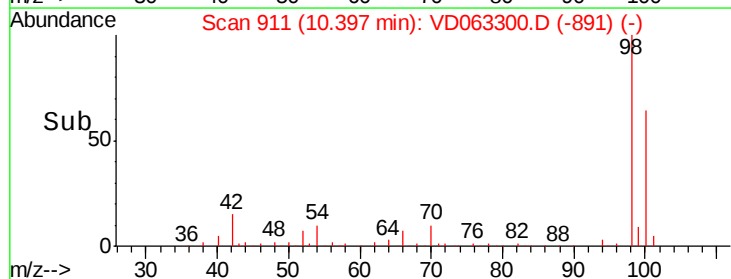
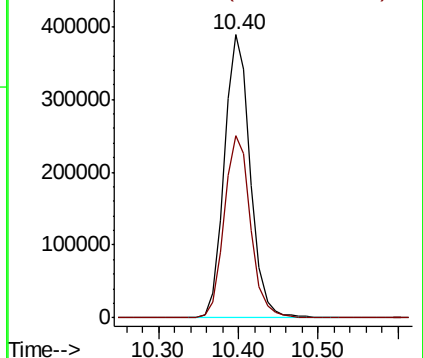
98 100

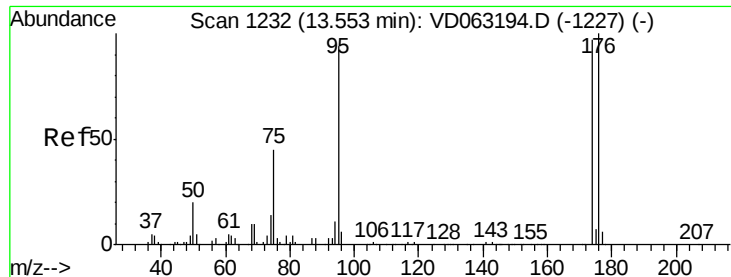
100 64.4 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 22.364 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063300.D

Acq: 1 Aug 2019 18:46

Instrument :

MSVOA_D

ClientSampled :

SW-4

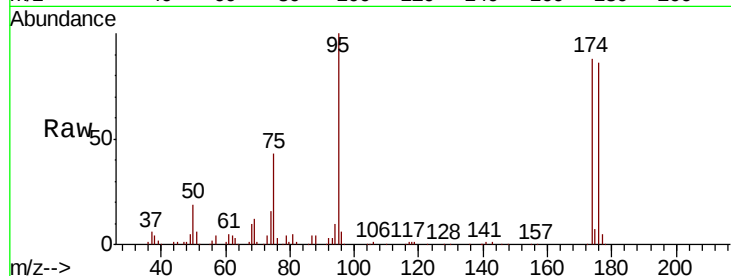
Tot Ion: 95 Resp: 271325

Ion Ratio Lower Upper

95 100

174 88.4 0.0 205.4

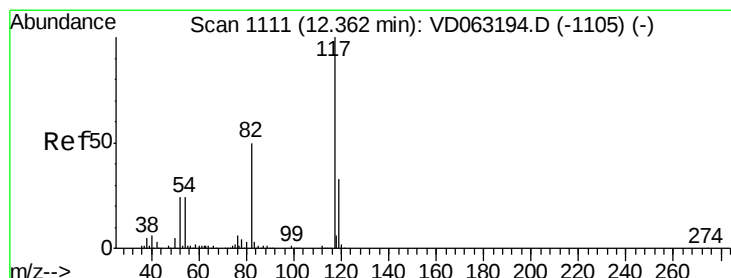
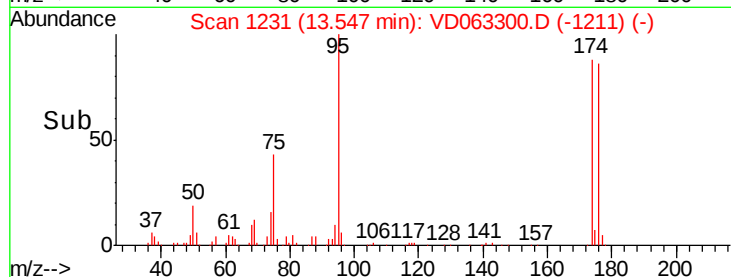
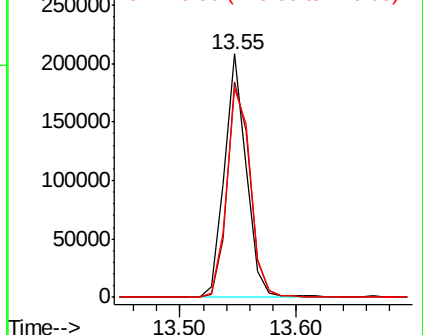
176 86.0 0.0 211.8



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: 12.36 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD063300.D

Acq: 1 Aug 2019 18:46

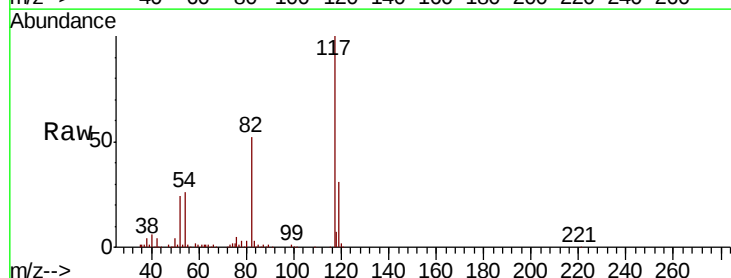
Tgt Ion: 117 Resp: 919451

Ion Ratio Lower Upper

117 100

82 52.4 40.1 60.1

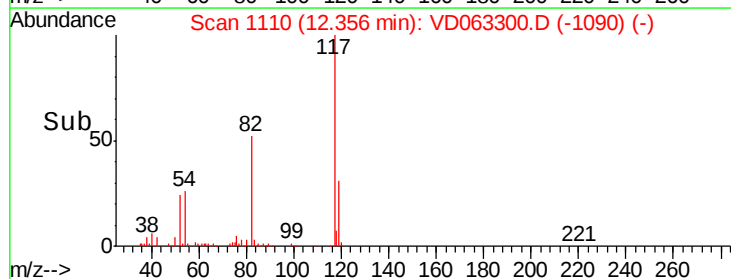
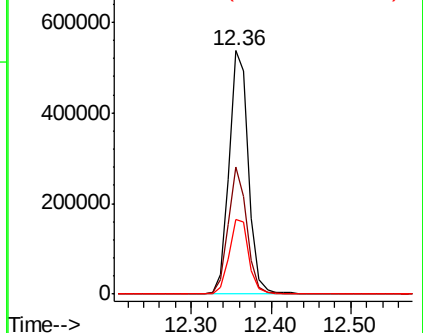
119 30.8 26.5 39.7

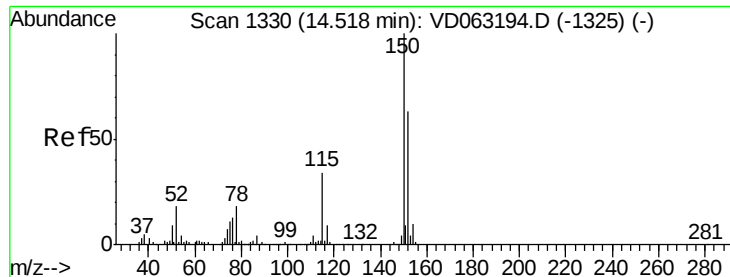


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063300.D

Acq: 1 Aug 2019 18:46

Instrument :

MSVOA_D

ClientSampleId :

SW-4

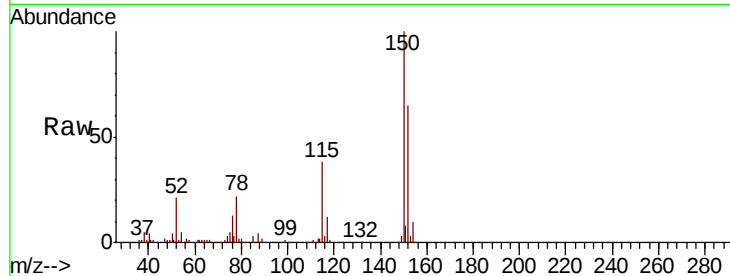
Tot Ion:152 Resp: 263215

Ion Ratio Lower Upper

152 100

115 57.8 27.5 82.4

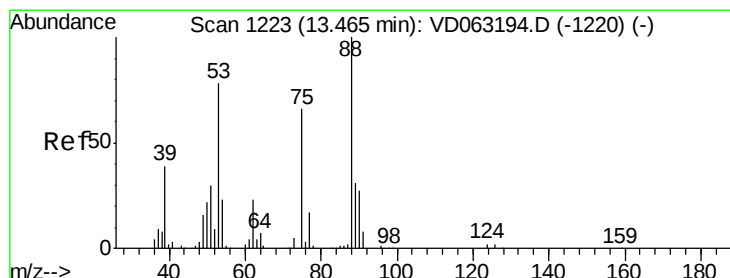
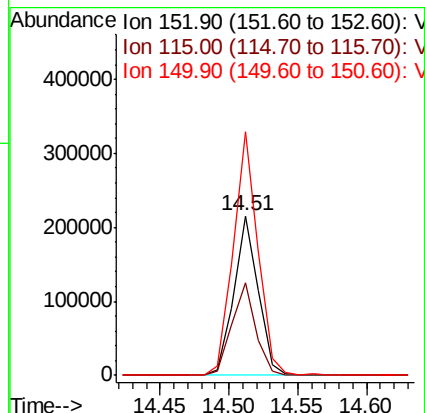
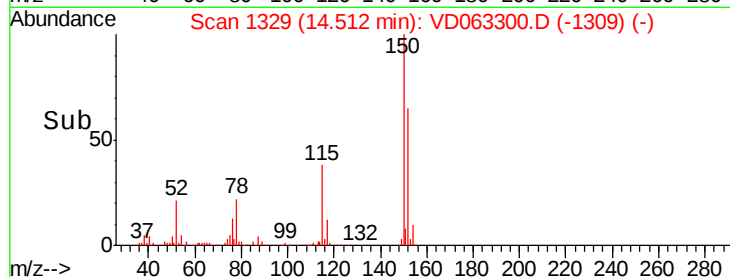
150 152.9 0.0 320.6



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: 132.048 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063300.D

Acq: 1 Aug 2019 18:46

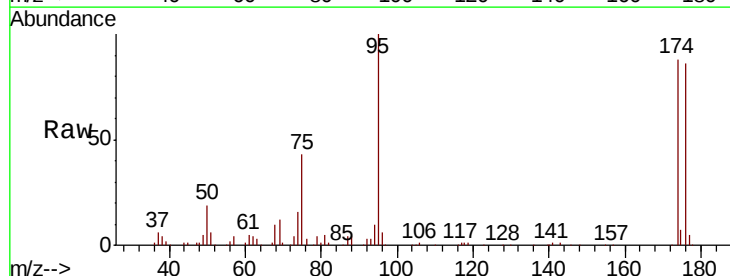
Tgt Ion: 75 Resp: 115925

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

