

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063448.D
 Acq On : 8 Aug 2019 19:41
 Operator : JC/SY
 Sample : K4223-16
 Misc : 3.94g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-8

Quant Time: Aug 09 07:52:44 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

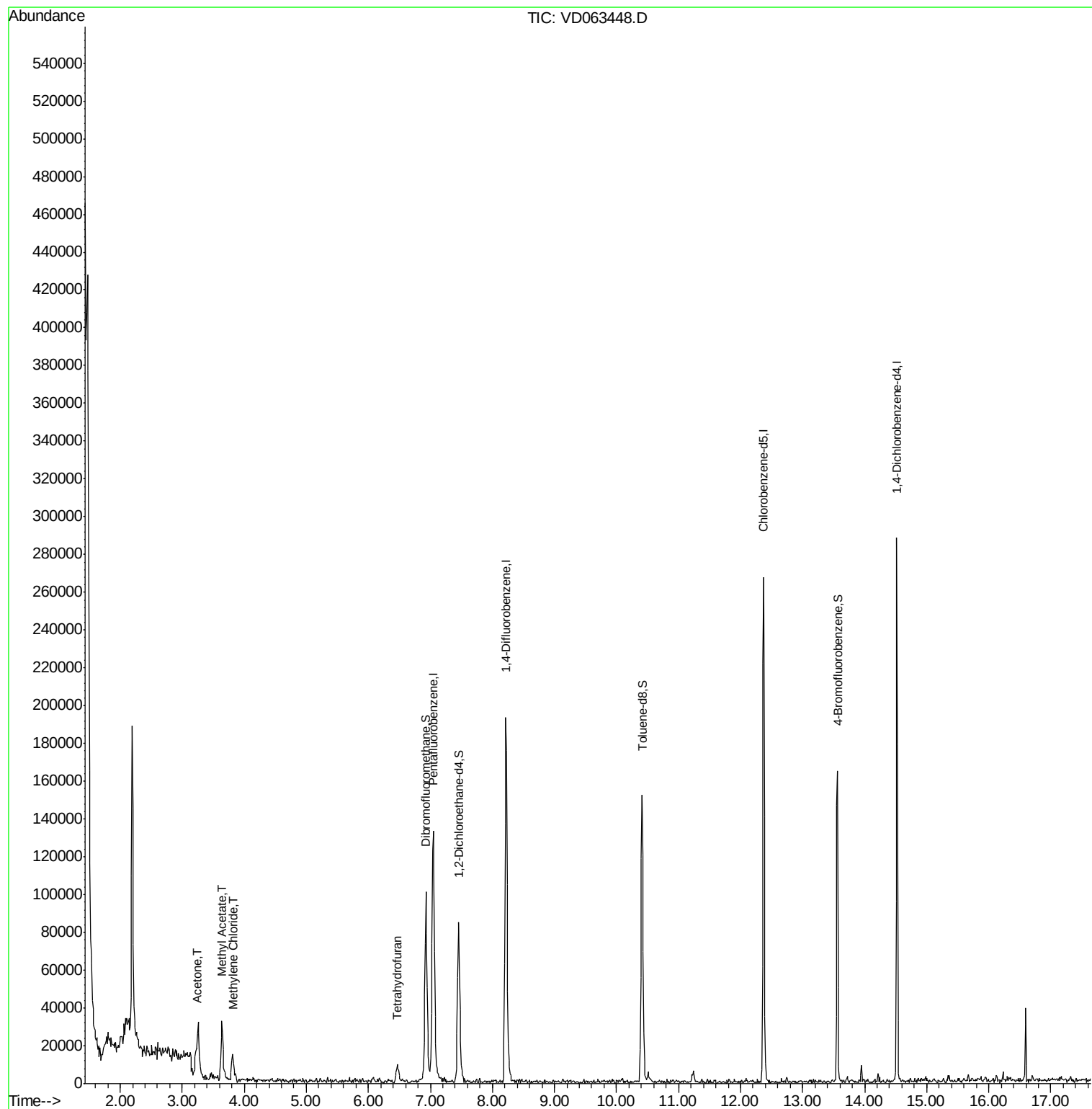
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	127197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	197230	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	146318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	60667	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	95253	67.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.98%	
35) Dibromofluoromethane	6.93	113	76702	45.55	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.10%	
50) Toluene-d8	10.41	98	127433	33.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.62%	
62) 4-Bromofluorobenzene	13.56	95	48844	28.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.88%	
Target Compounds						
16) Acetone	3.23	43	24439	88.872	ug/l #	88
18) Methyl Acetate	3.64	43	51182	96.897	ug/l	94
20) Methylene Chloride	3.83	84	9121	8.206	ug/l #	77
29) Tetrahydrofuran	6.47	42	7924	60.646	ug/l #	72

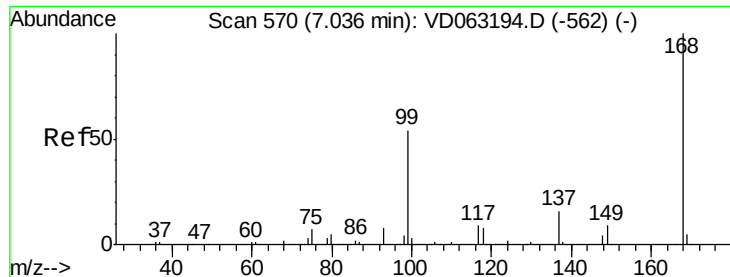
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063448.D

Acq: 8 Aug 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

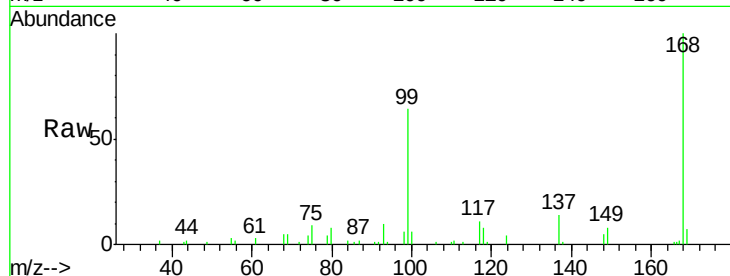
SP-8

Tot Ion:168 Resp: 127197

Ion Ratio Lower Upper

168 100

99 63.8 43.7 65.5

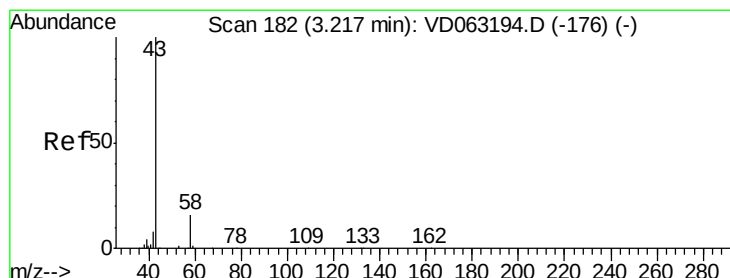
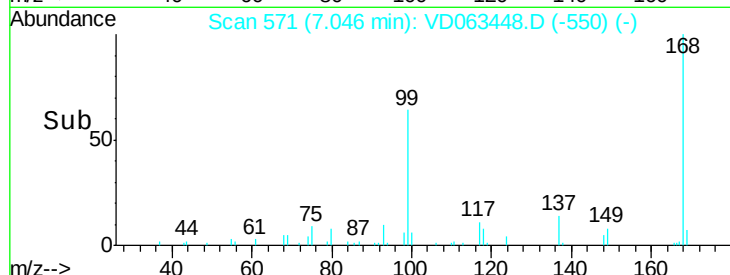


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

Time-->



#16

Acetone

Concen: 88.872 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063448.D

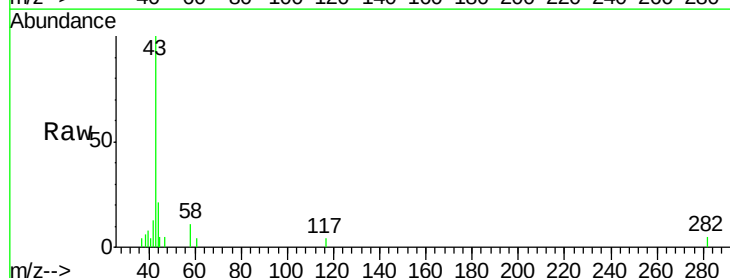
Acq: 8 Aug 2019 19:41

Tgt Ion: 43 Resp: 24439

Ion Ratio Lower Upper

43 100

58 11.2 13.0 19.4#

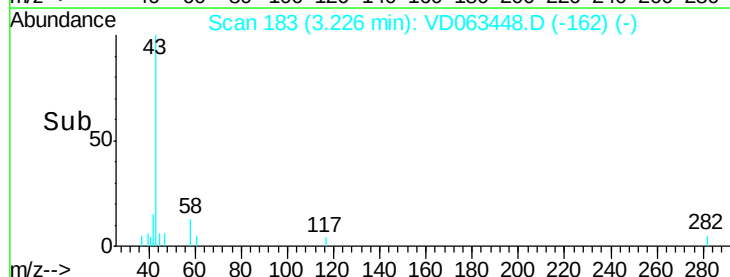


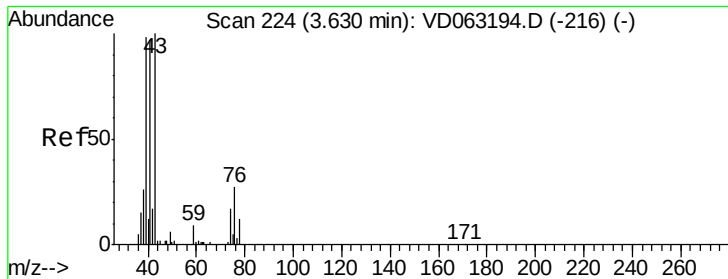
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

Time-->

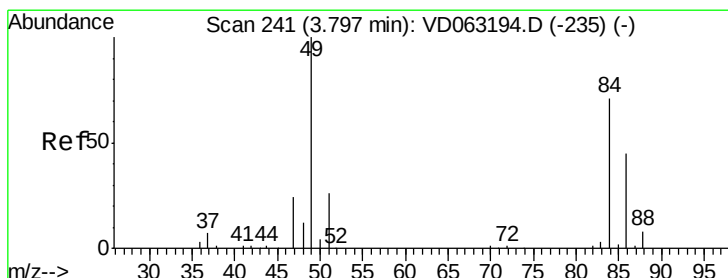
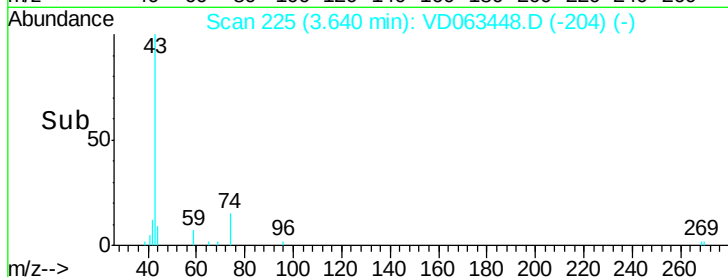
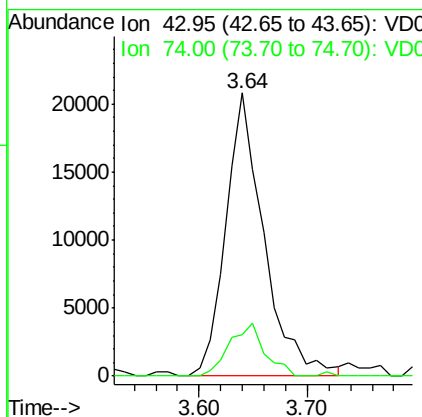
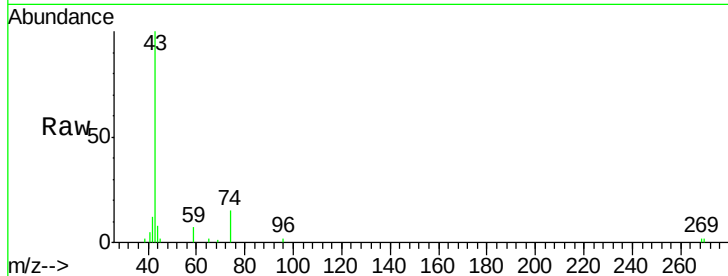




#18
Methvl Acetate
Concen: 96.897 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063448.D
Acq: 8 Aug 2019 19:41

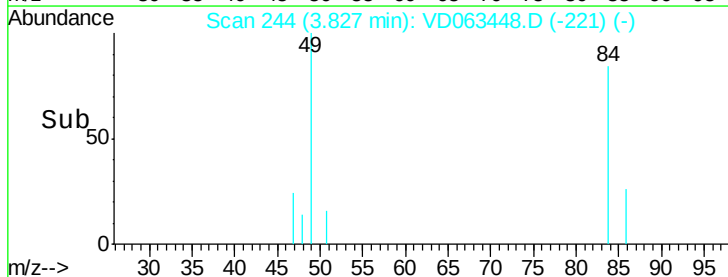
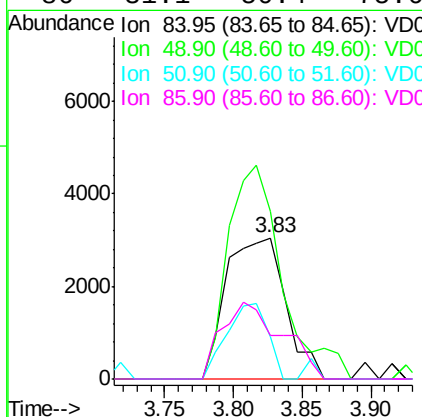
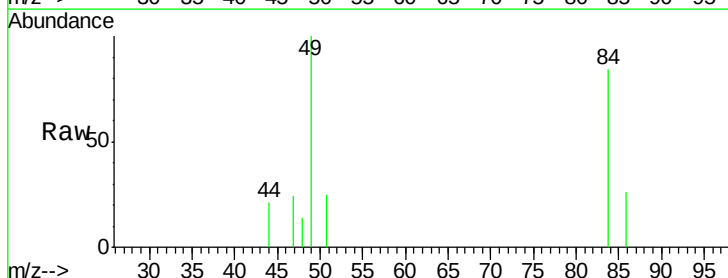
Instrument :
MSVOA_D
ClientSampleId :
SP-8

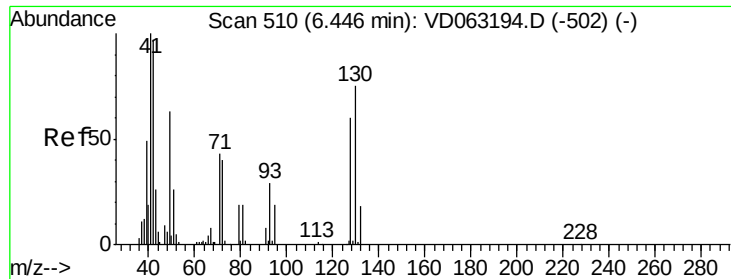
Tot Ion: 43 Resp: 51182
Ion Ratio Lower Upper
43 100
74 14.8 13.8 20.8



#20
Methylene Chloride
Concen: 8.206 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD063448.D
Acq: 8 Aug 2019 19:41

Tgt Ion: 84 Resp: 9121
Ion Ratio Lower Upper
84 100
49 118.7 112.5 168.7
51 29.7 29.6 44.4
86 31.1 50.4 75.6#





#29

Tetrahydrofuran

Concen: 60.646 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063448.D

Acq: 8 Aug 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

SP-8

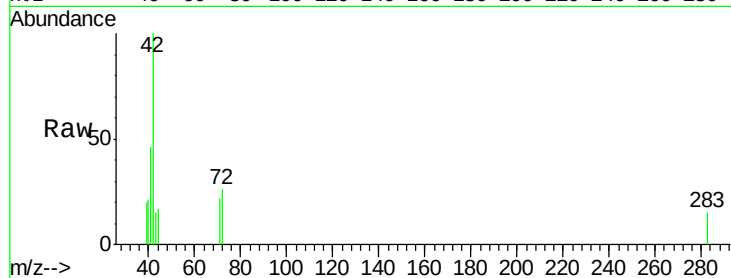
Tot Ion: 42 Resp: 7924

Ion Ratio Lower Upper

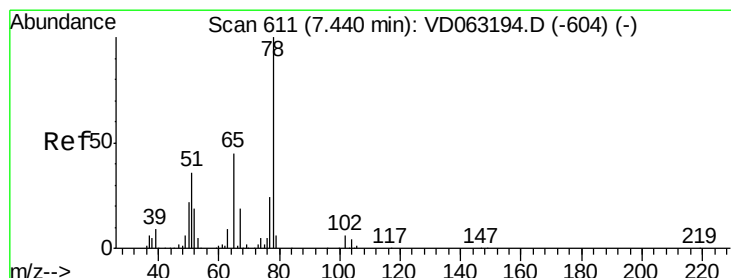
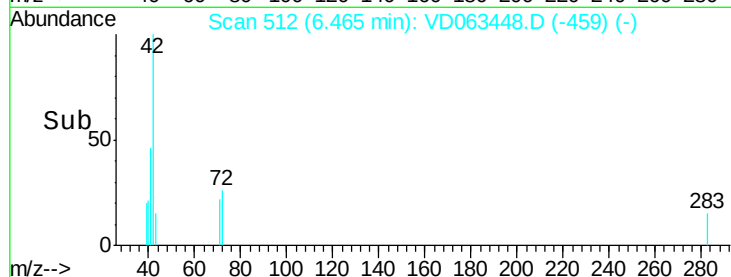
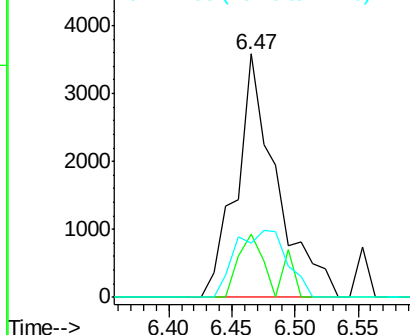
42 100

72 15.4 33.4 50.2#

71 35.3 35.7 53.5#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 67.490 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063448.D

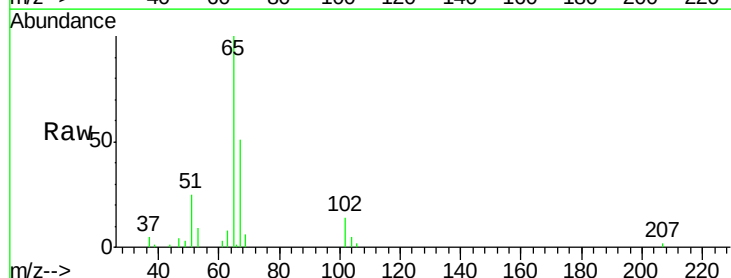
Acq: 8 Aug 2019 19:41

Tgt Ion: 65 Resp: 95253

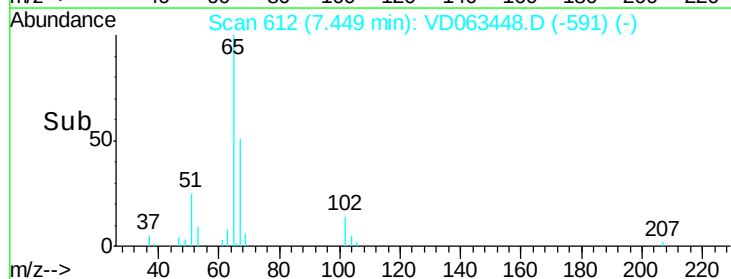
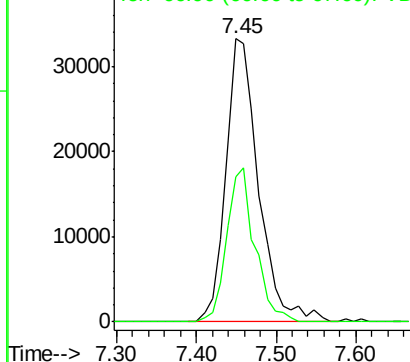
Ion Ratio Lower Upper

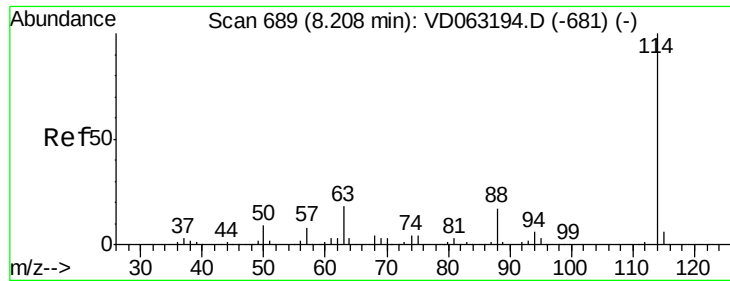
65 100

67 51.2 0.0 85.8



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

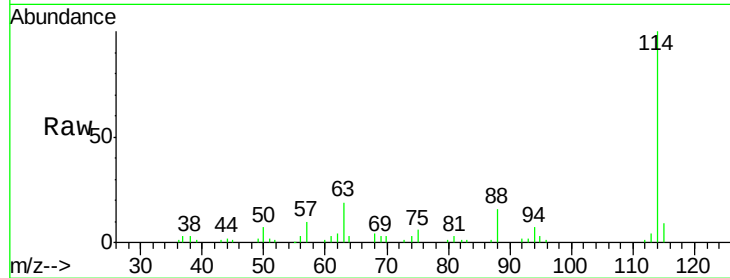




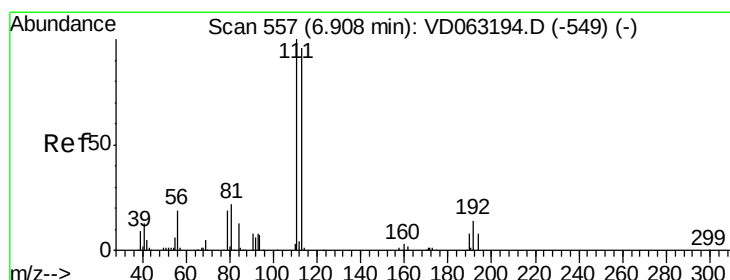
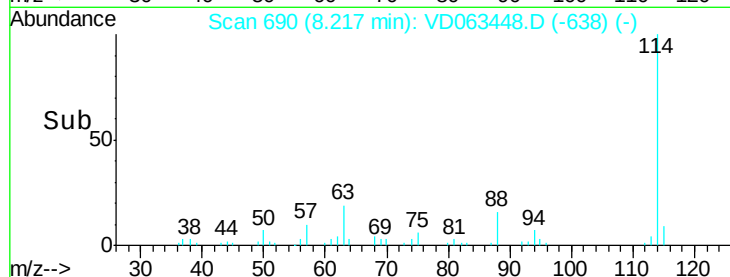
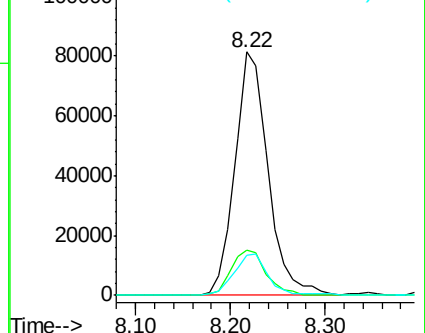
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063448.D
 Acq: 8 Aug 2019 19:41

Instrument :
 MSVOA_D
 ClientSampled :
 SP-8

Tot Ion:114 Resp: 197230
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.2
 88 16.4 0.0 34.6

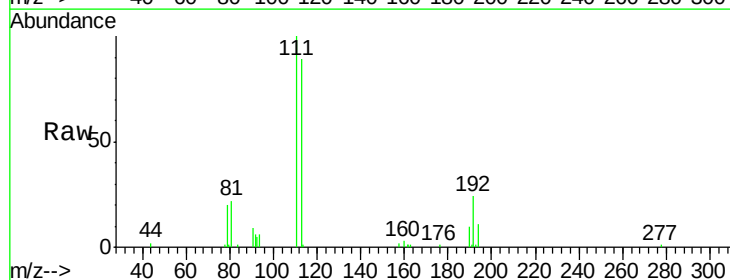


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

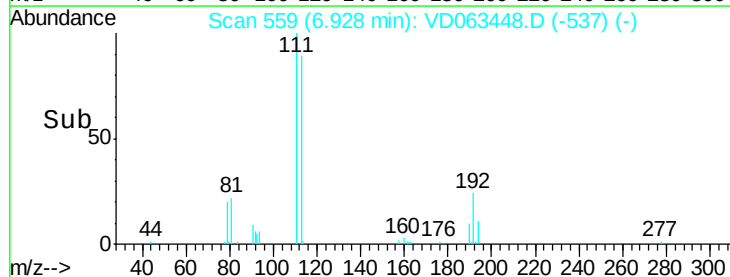
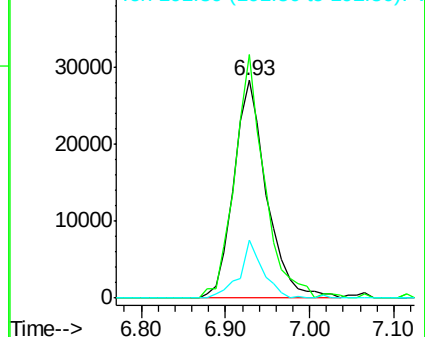


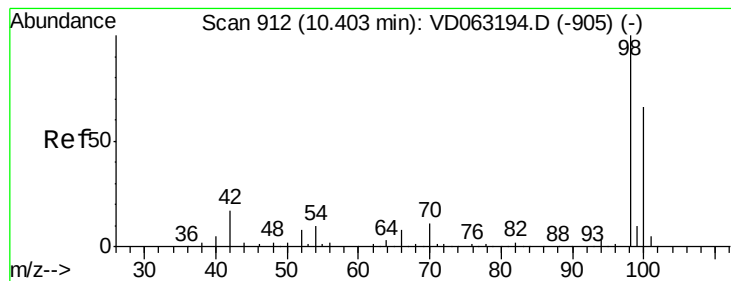
#35
 Dibromofluoromethane
 Concen: 45.550 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063448.D
 Acq: 8 Aug 2019 19:41

Tgt Ion:113 Resp: 76702
 Ion Ratio Lower Upper
 113 100
 111 111.9 83.2 124.8
 192 26.6 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





#50

Toluene-d8

Concen: 33.814 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063448.D

Acq: 8 Aug 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

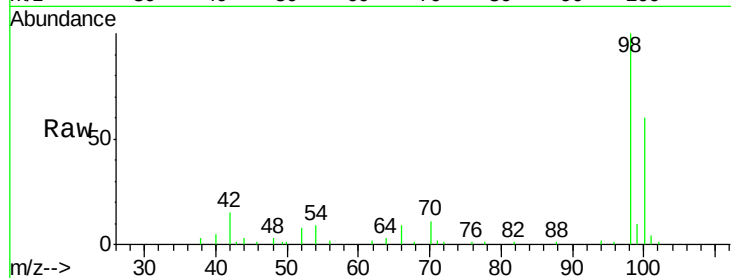
SP-8

Tot Ion: 98 Resp: 127433

Ion Ratio Lower Upper

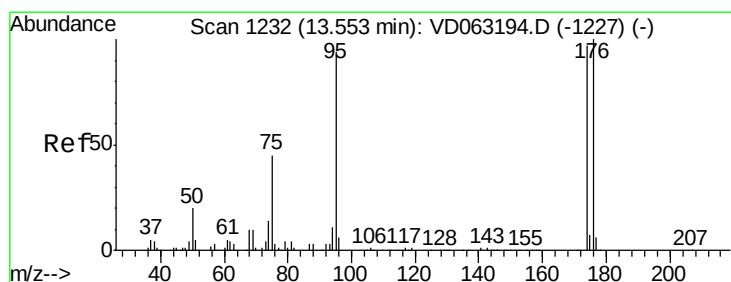
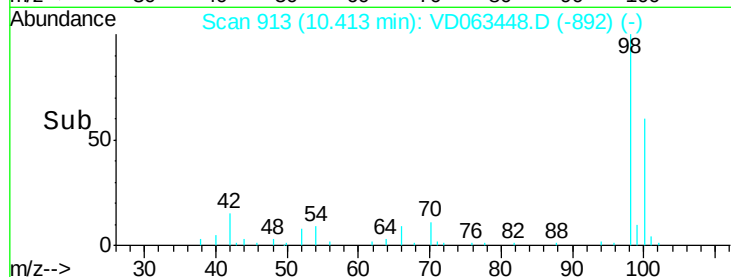
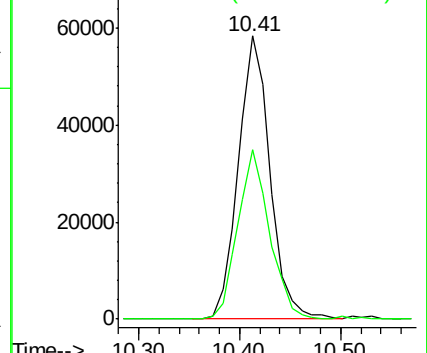
98 100

100 59.7 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: 28.442 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063448.D

Acq: 8 Aug 2019 19:41

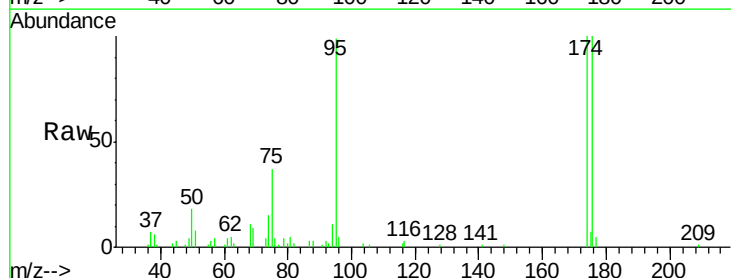
Tgt Ion: 95 Resp: 48844

Ion Ratio Lower Upper

95 100

174 101.2 0.0 205.4

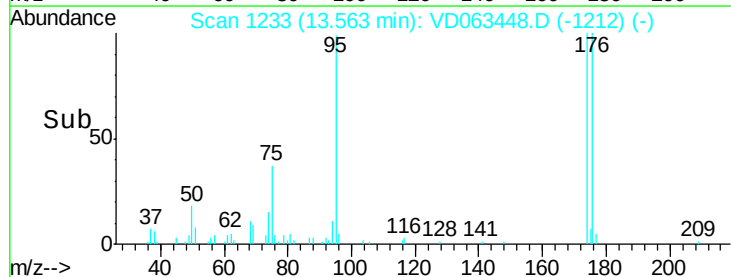
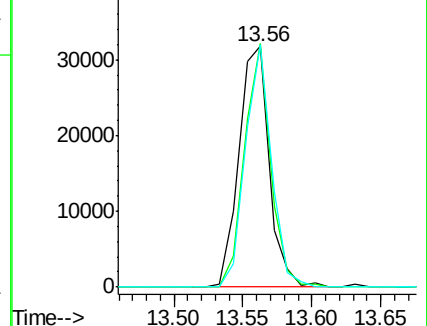
176 100.8 0.0 211.8

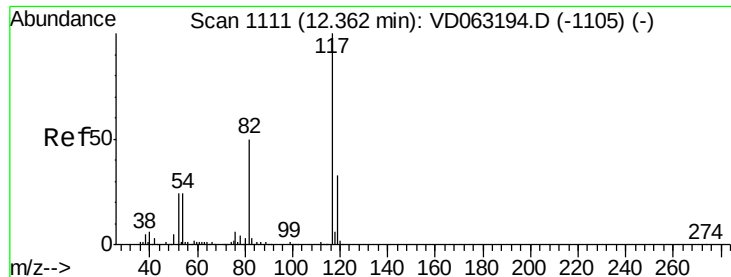


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

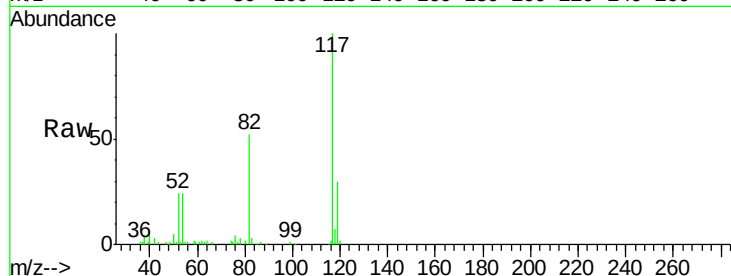




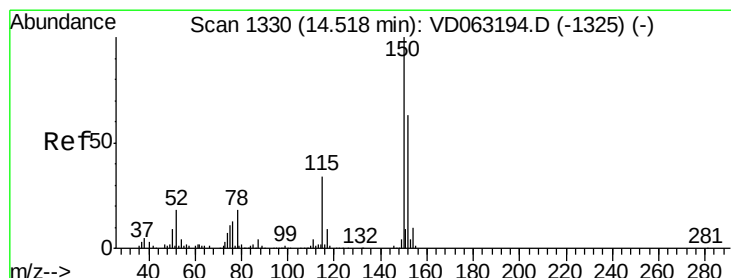
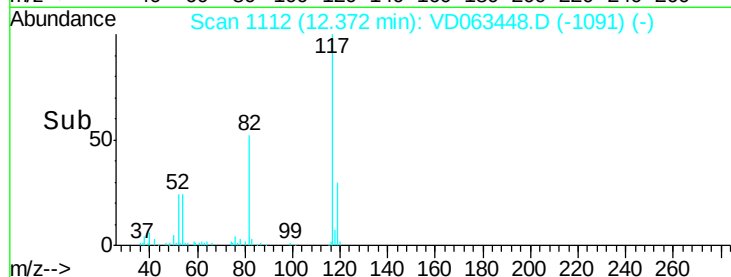
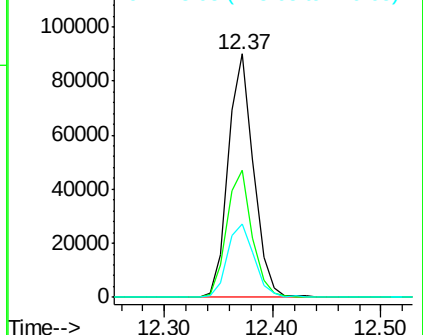
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063448.D
Acq: 8 Aug 2019 19:41

Instrument :
MSVOA_D
ClientSampleId :
SP-8

Tot Ion:117 Resp: 146318
Ion Ratio Lower Upper
117 100
82 52.0 40.1 60.1
119 30.1 26.5 39.7

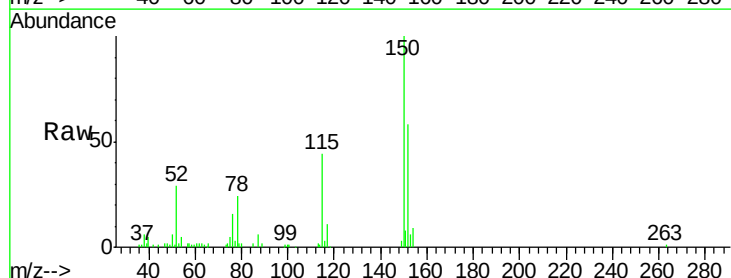


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063448.D
Acq: 8 Aug 2019 19:41

Tgt Ion:152 Resp: 60667
Ion Ratio Lower Upper
152 100
115 75.0 27.5 82.4
150 171.6 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

