

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\NOT REVIEWED DATA\
 Data File : VD062019.D
 Acq On : 25 Apr 2019 4:28
 Operator : VA/AP
 Sample : K2542-10
 Misc : 5.88g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 05:10:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	45530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	84962	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	70925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	31413	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	20648	57.94	ug/l	0.00
Spiked Amount			Recovery	=	115.88%	
35) Dibromofluoromethane	6.93	113	25504	43.40	ug/l	0.00
Spiked Amount			Recovery	=	86.80%	
50) Toluene-d8	10.42	98	51753	37.01	ug/l	0.00
Spiked Amount			Recovery	=	74.02%	
62) 4-Bromofluorobenzene	13.56	95	21906	39.06	ug/l	0.00
Spiked Amount			Recovery	=	78.12%	

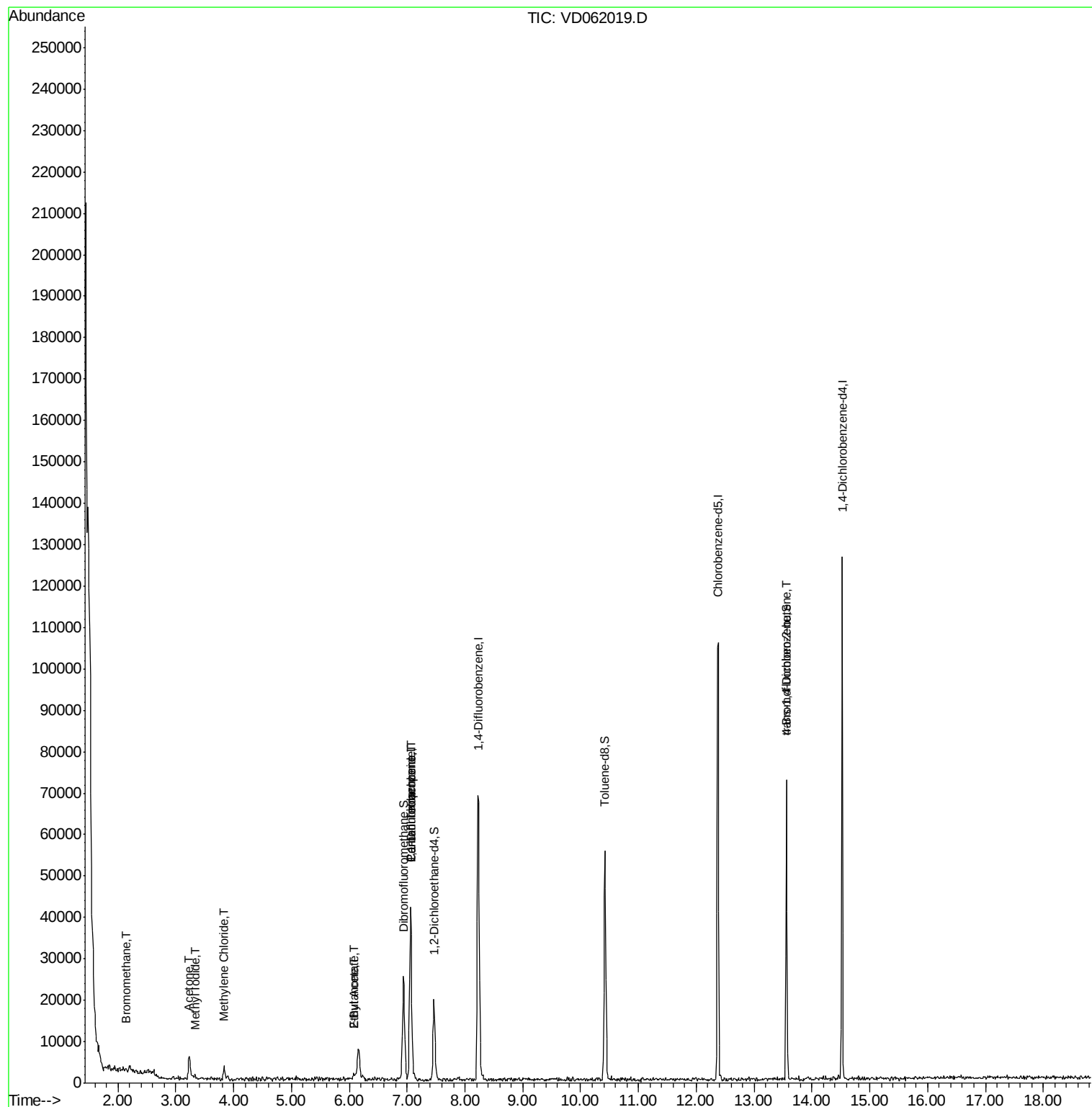
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	195	1.527	ug/l #	12
10) Methyl Iodide	3.33	142	707	6.377	ug/l #	37
16) Acetone	3.23	43	10575	124.289	ug/l #	88
20) Methylene Chloride	3.83	84	2231	2.347	ug/l #	72
25) 2-Butanone	6.08	43	2997	29.052	ug/l #	56
36) 1,1-Dichloropropene	7.06	75	2936	4.435	ug/l #	40
37) Ethyl Acetate	6.08	43	2997	10.625	ug/l #	64
38) Carbon Tetrachloride	7.07	117	4126	4.919	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.56	75	7727	63.922	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
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QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD062019.D

Acq: 25 Apr 2019 4:28

Instrument :

MSVOA_D

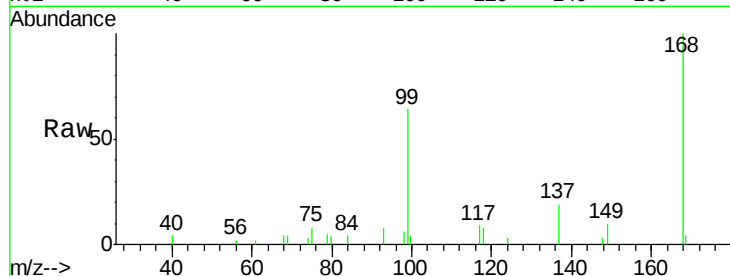
ClientSampleId :

Tot Ion:168 Resp: 45530

Ion Ratio Lower Upper

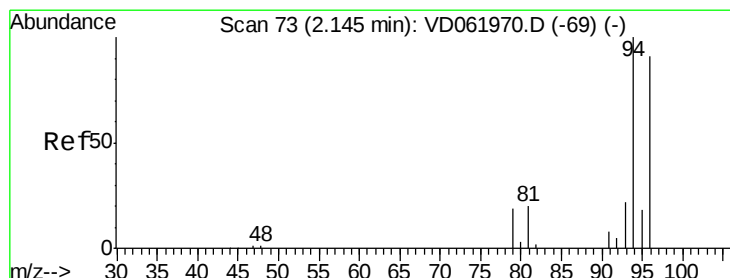
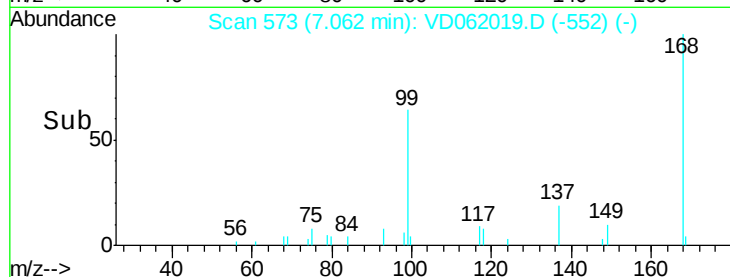
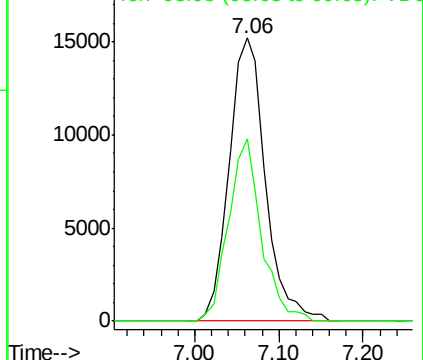
168 100

99 64.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.527 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062019.D

Acq: 25 Apr 2019 4:28

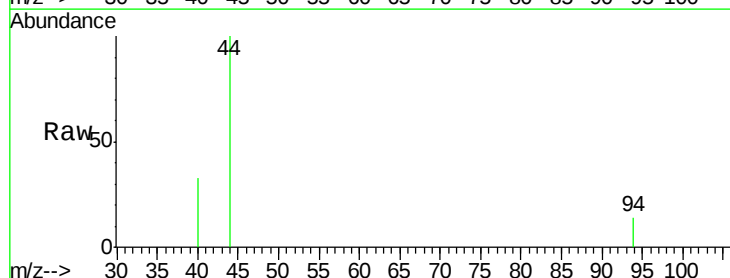
Tgt Ion: 94 Resp: 195

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

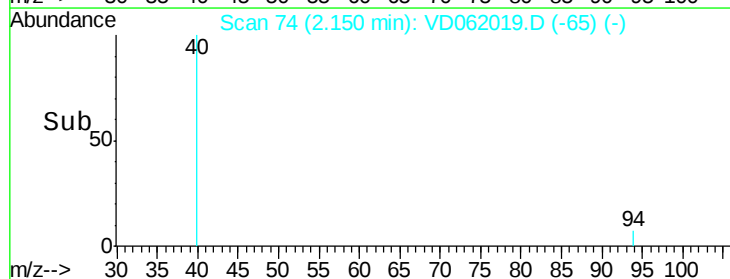
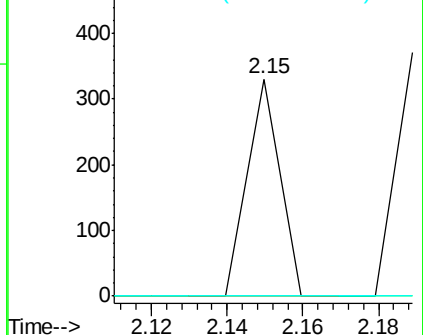
93 0.0 18.5 27.7#

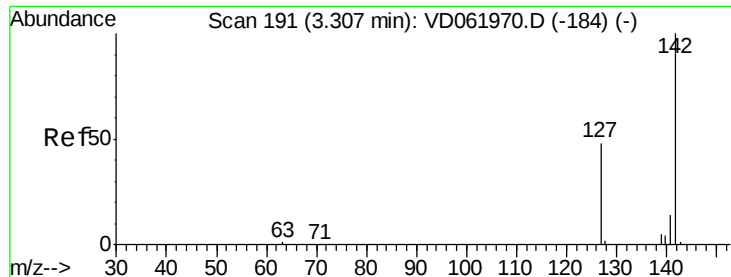


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

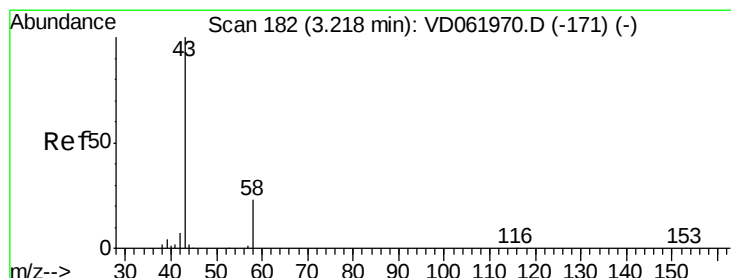
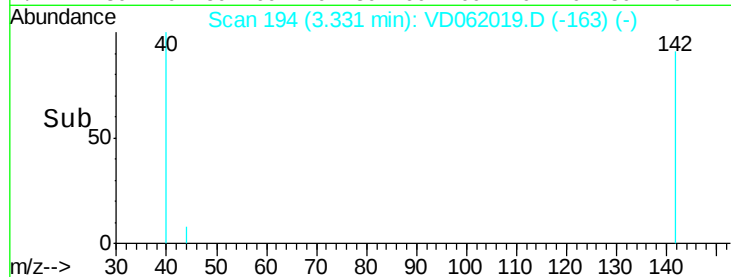
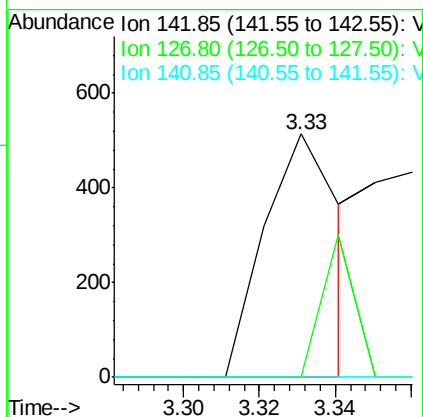
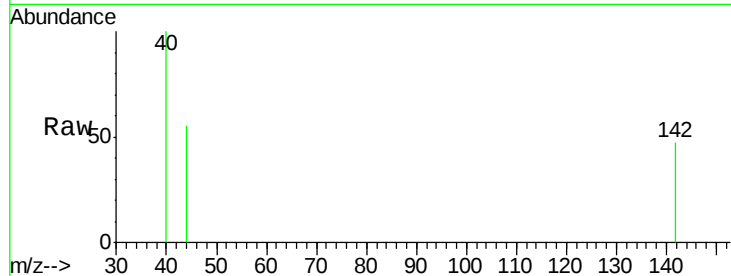




#10
Methvl Iodide
Concen: 6.377 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.01 min
Lab File: VD062019.D
Acq: 25 Apr 2019 4:28

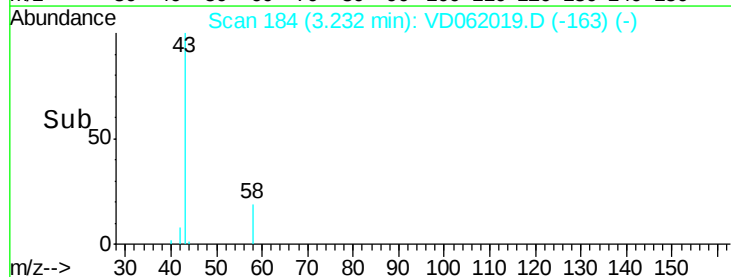
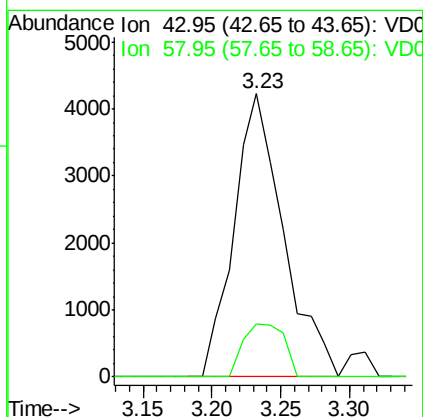
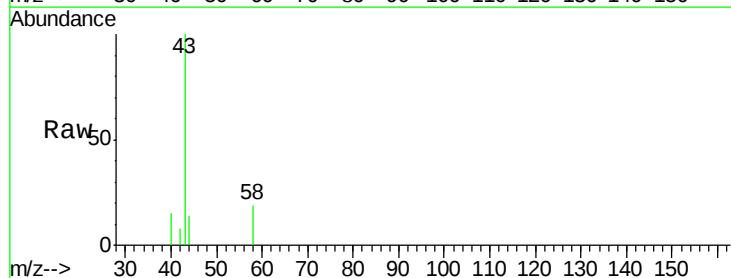
Instrument :
MSVOA_D
ClientSampled :

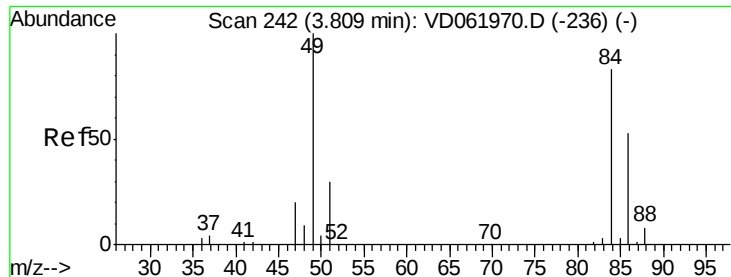
Tot Ion:142 Resp: 707
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 124.289 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD062019.D
Acq: 25 Apr 2019 4:28

Tgt Ion: 43 Resp: 10575
Ion Ratio Lower Upper
43 100
58 18.9 19.9 29.9#

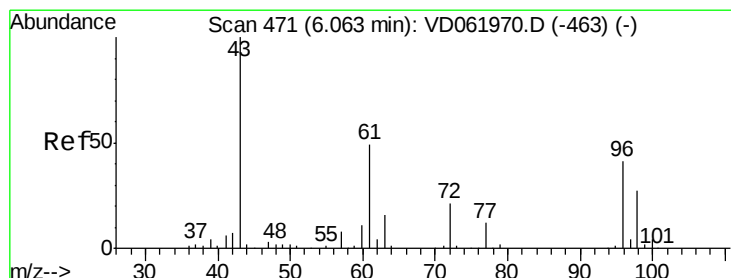
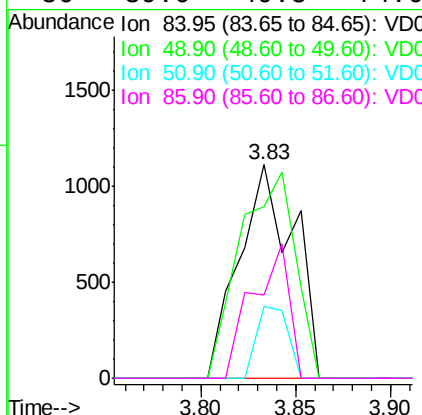
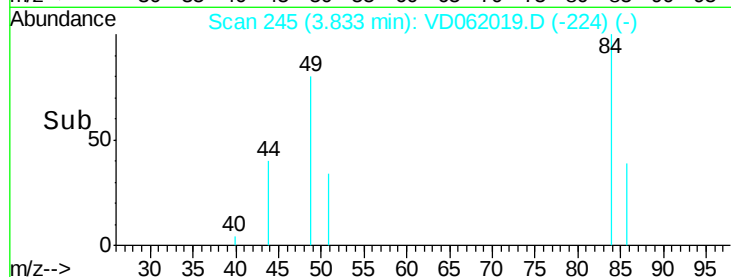
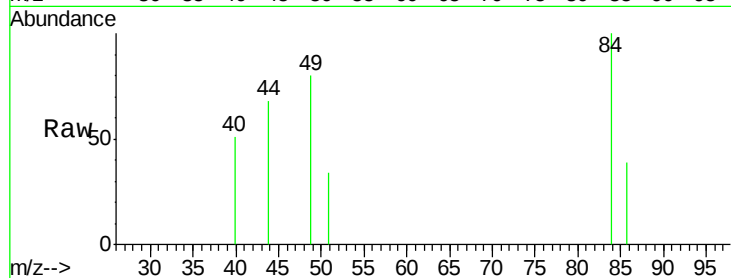




#20
Methvlene Chloride
Concen: 2.347 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD062019.D
Acq: 25 Apr 2019 4:28

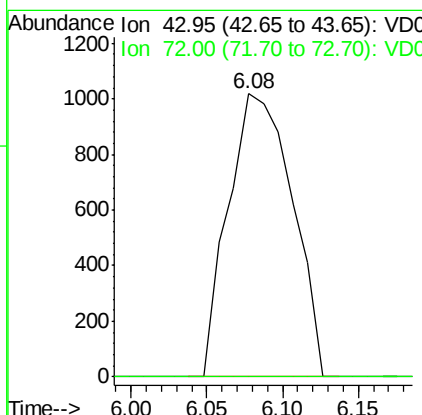
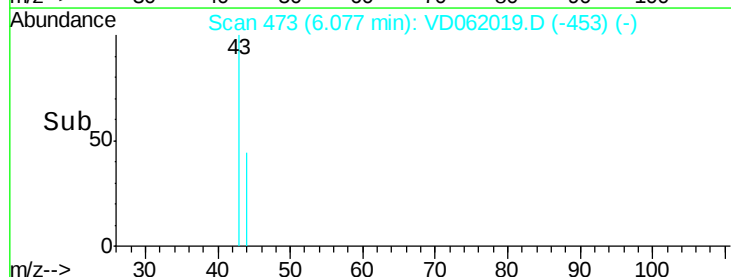
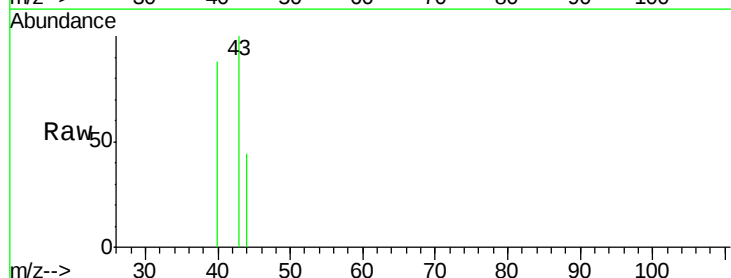
Instrument :
MSVOA_D
ClientSampleId :

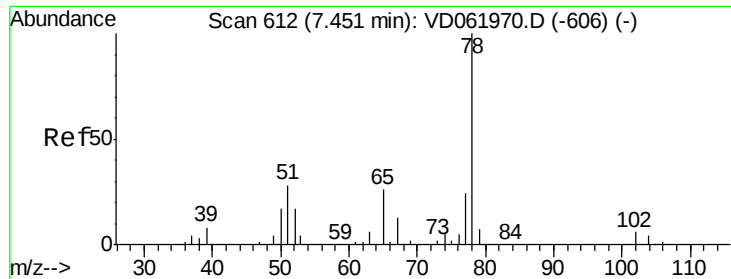
Tot Ion: 84 Resp: 2231
Ion Ratio Lower Upper
84 100
49 80.4 94.0 141.0#
51 33.8 29.0 43.4
86 39.0 49.8 74.6#



#25
2-Butanone
Concen: 29.052 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.00 min
Lab File: VD062019.D
Acq: 25 Apr 2019 4:28

Tgt Ion: 43 Resp: 2997
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#

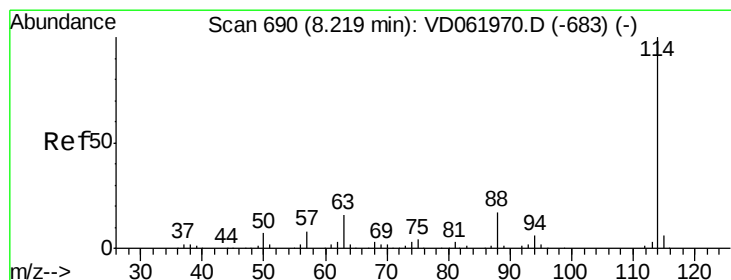
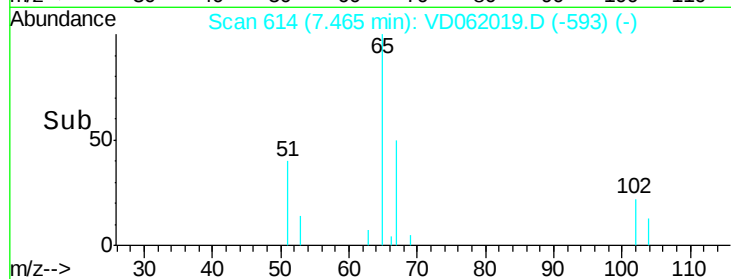
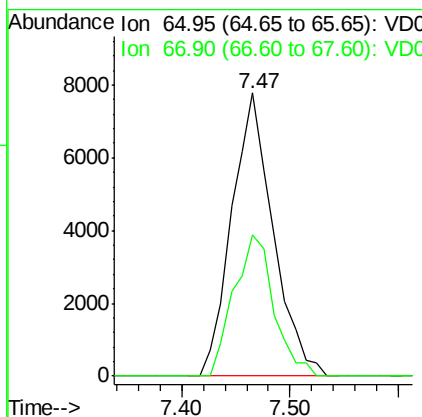
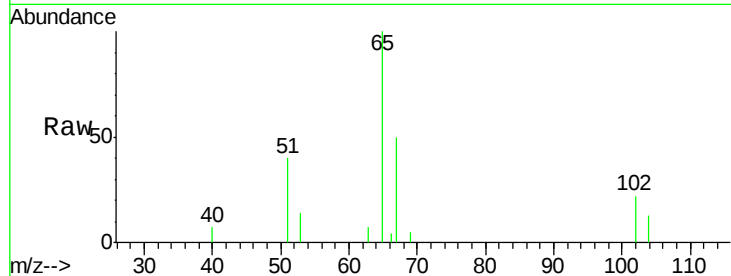




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD062019.D
 Acq: 25 Apr 2019 4:28

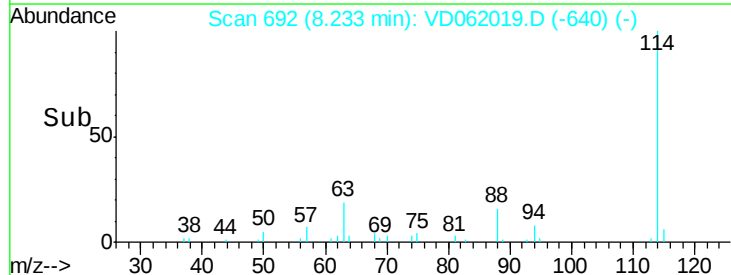
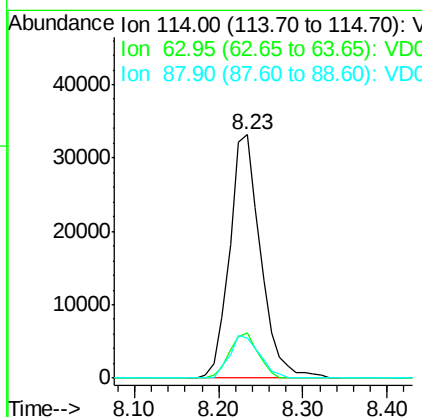
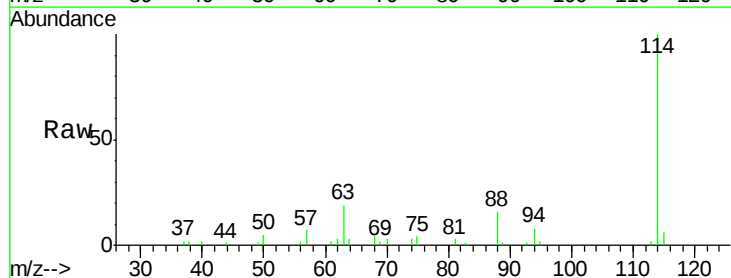
Instrument :
 MSVOA_D
 ClientSampleId :

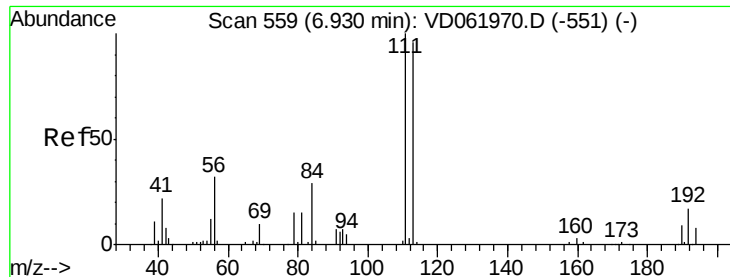
Tot Ion: 65 Resp: 20648
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD062019.D
 Acq: 25 Apr 2019 4:28

Tgt Ion: 114 Resp: 84962
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 32.4
 88 16.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD062019.D

Acq: 25 Apr 2019 4:28

Instrument :
MSVOA_D
ClientSampleId :

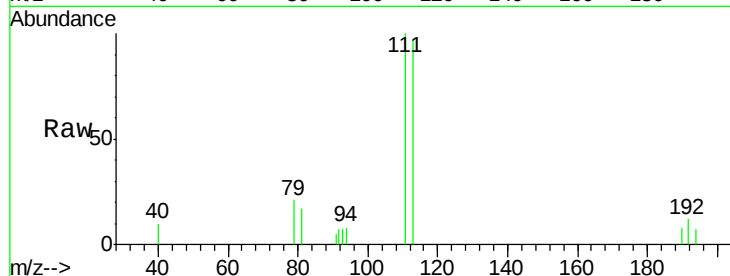
Tot Ion:113 Resp: 25504

Ion Ratio Lower Upper

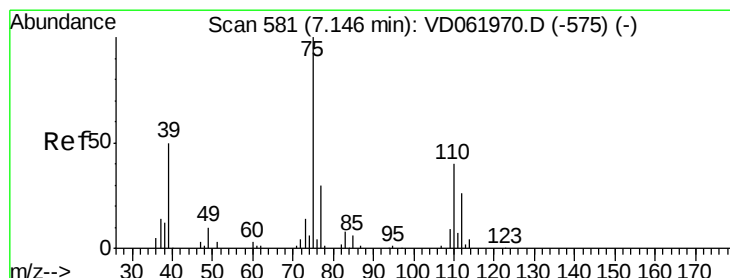
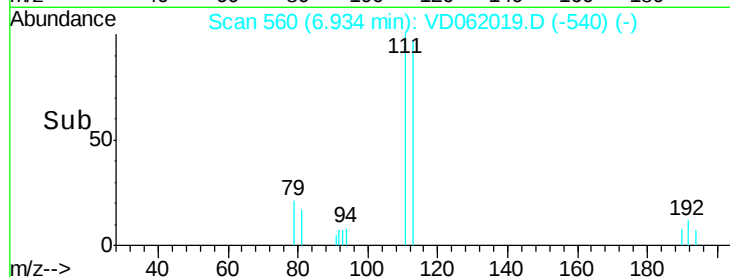
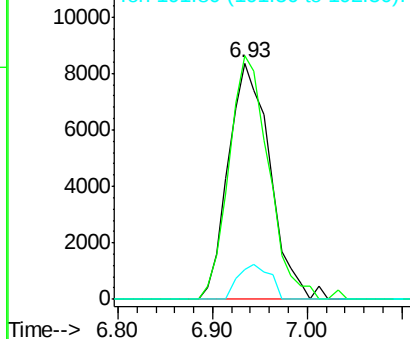
113 100

111 103.0 78.5 117.7

192 12.5 13.0 19.4#



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: 4.435 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.09 min

Lab File: VD062019.D

Acq: 25 Apr 2019 4:28

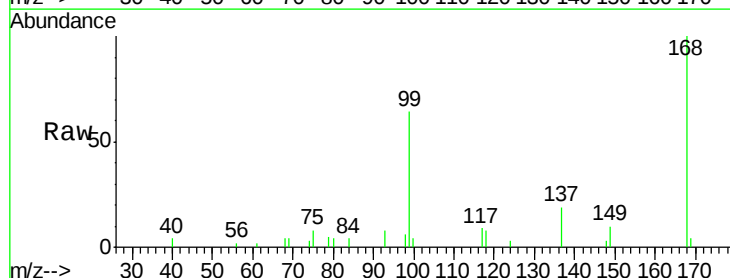
Tgt Ion: 75 Resp: 2936

Ion Ratio Lower Upper

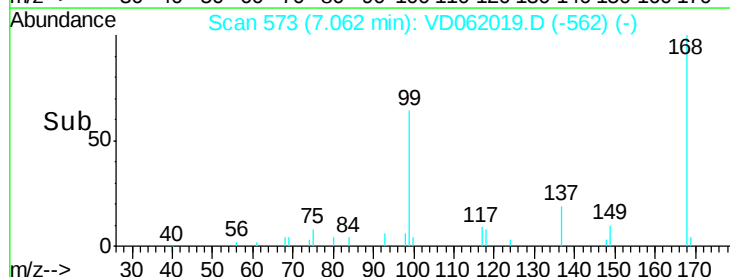
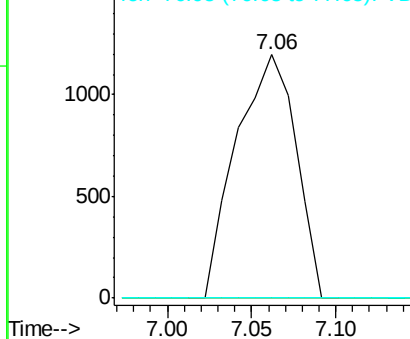
75 100

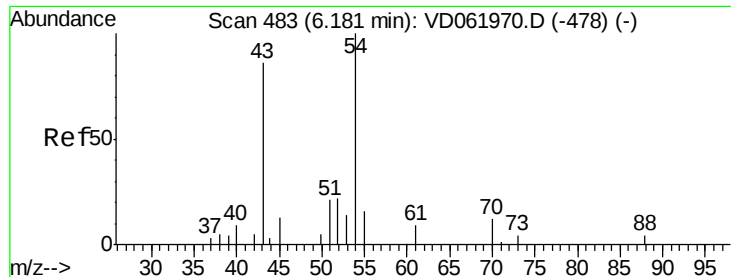
110 0.0 19.1 57.1#

77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 10.625 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.11 min

Lab File: VD062019.D

Acq: 25 Apr 2019 4:28

Instrument :

MSVOA_D

ClientSampled :

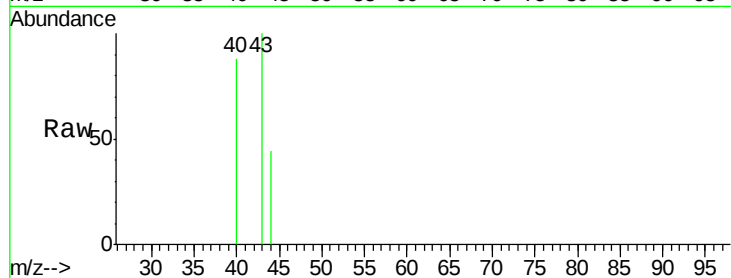
Tot Ion: 43 Resp: 2997

Ion Ratio Lower Upper

43 100

61 0.0 14.7 22.1#

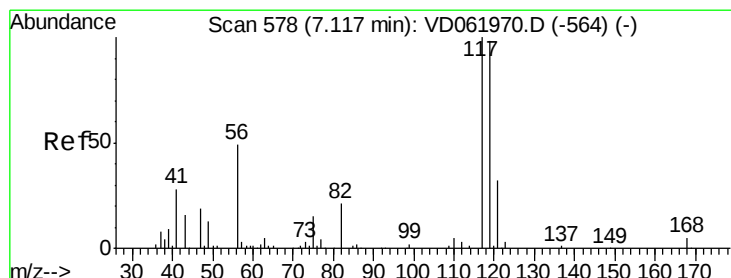
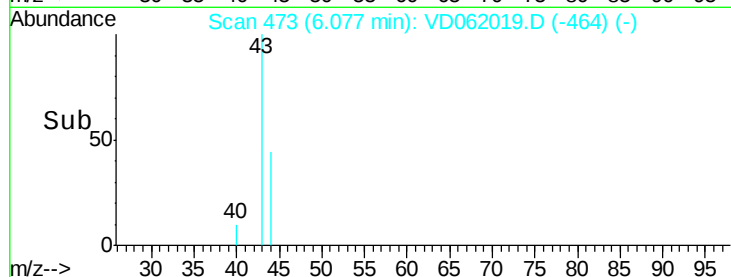
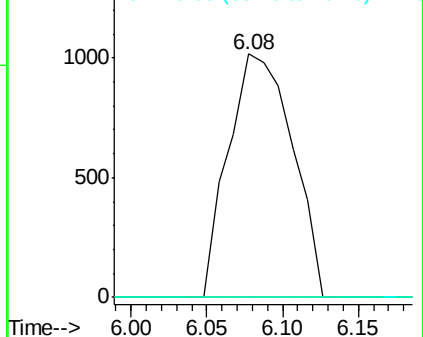
70 0.0 7.8 11.6#



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: 4.919 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.05 min

Lab File: VD062019.D

Acq: 25 Apr 2019 4:28

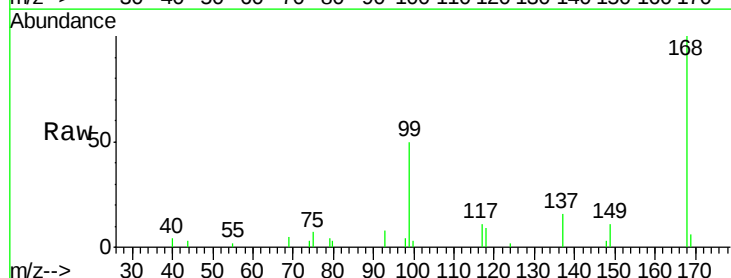
Tgt Ion: 117 Resp: 4126

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

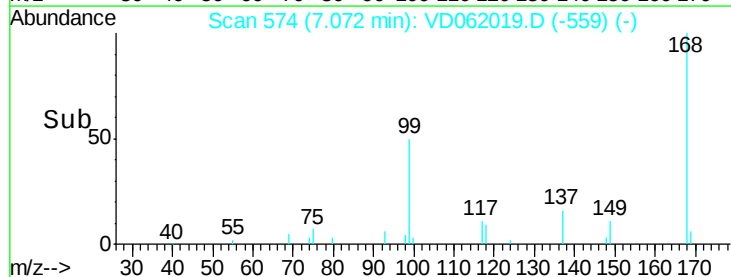
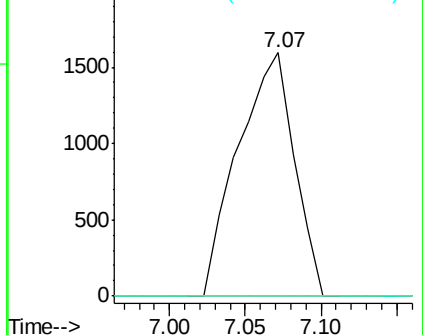
121 0.0 25.9 38.9#

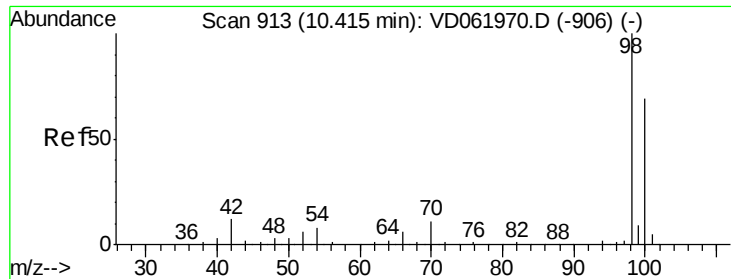


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

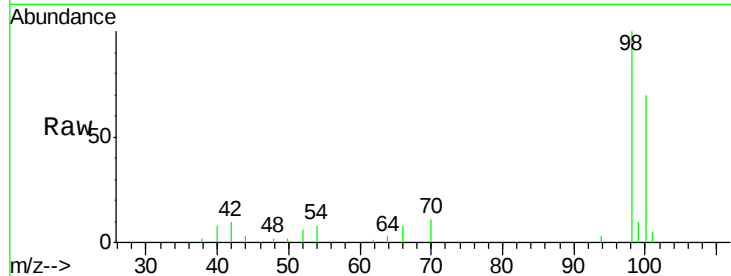




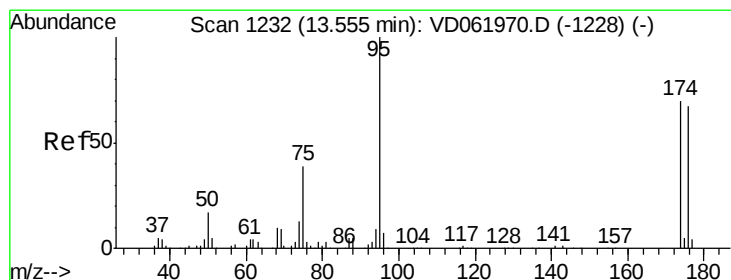
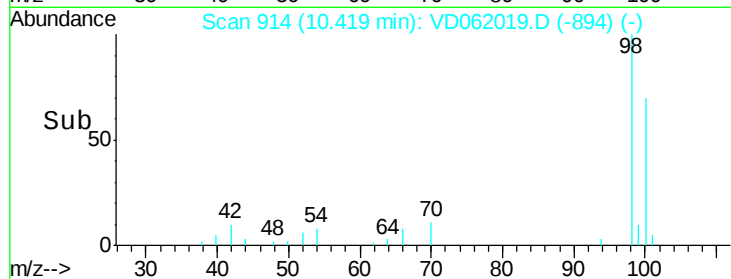
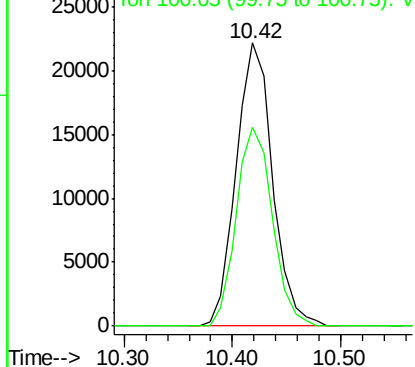
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD062019.D
Acq: 25 Apr 2019 4:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 51753
Ion Ratio Lower Upper
98 100
100 70.3 53.8 80.8

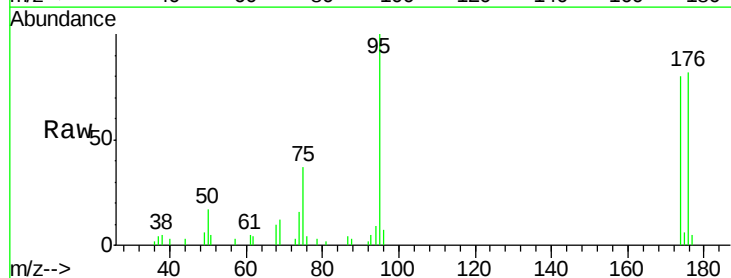


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

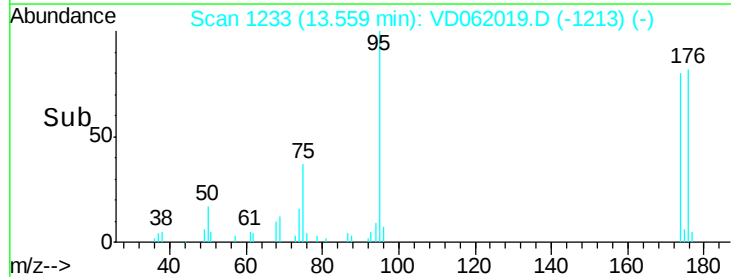
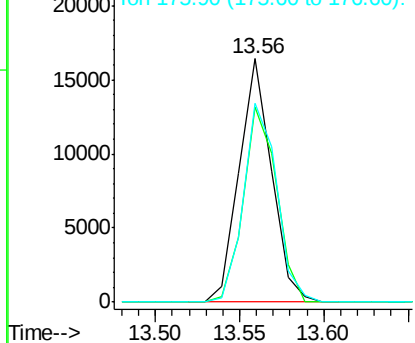


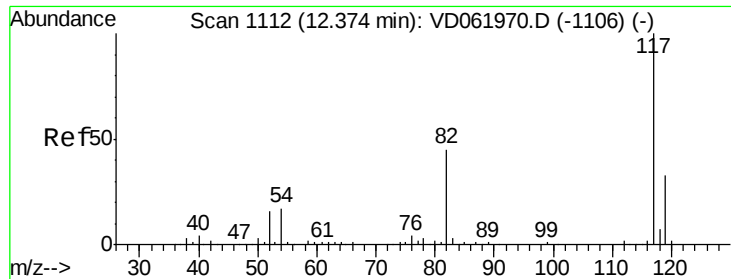
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD062019.D
Acq: 25 Apr 2019 4:28

Tgt Ion: 95 Resp: 21906
Ion Ratio Lower Upper
95 100
174 80.2 0.0 181.8
176 81.9 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061970.D (-1228) (-)
Ion 173.90 (173.60 to 174.60): VD061970.D (-1228) (-)
Ion 175.90 (175.60 to 176.60): VD061970.D (-1228) (-)

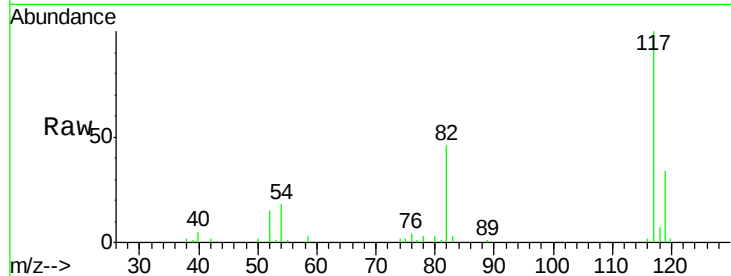




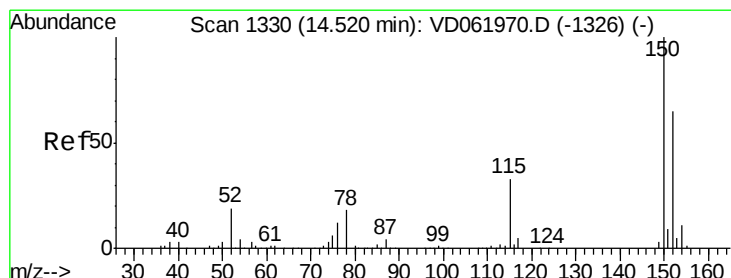
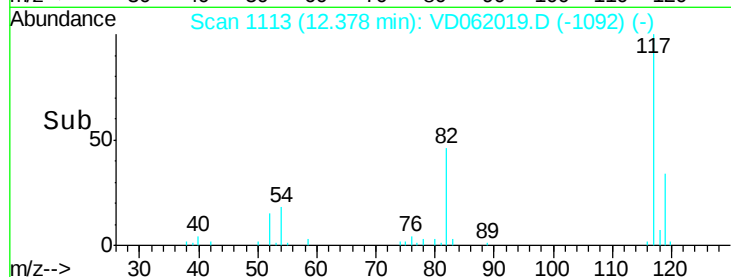
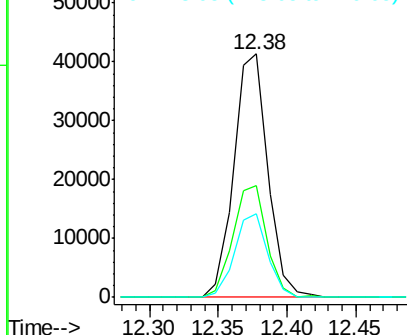
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062019.D
Acq: 25 Apr 2019 4:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 70925
Ion Ratio Lower Upper
117 100
82 46.0 36.2 54.2
119 34.1 26.2 39.4

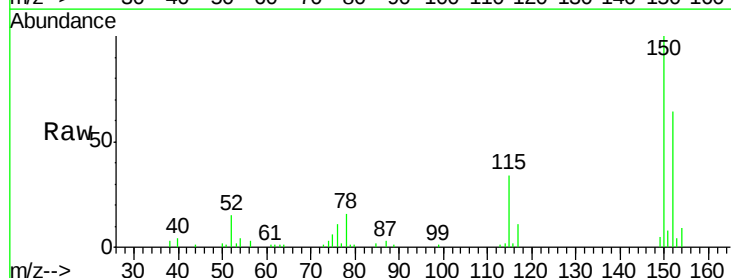


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

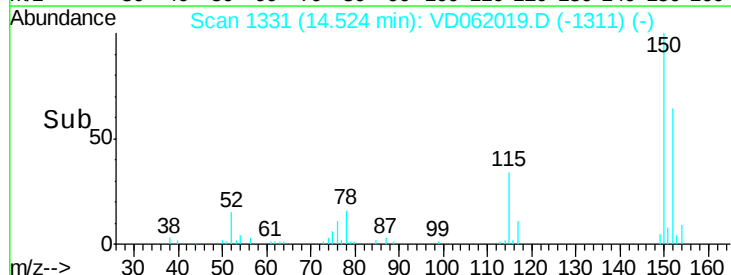
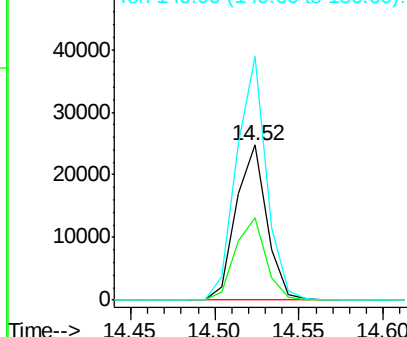


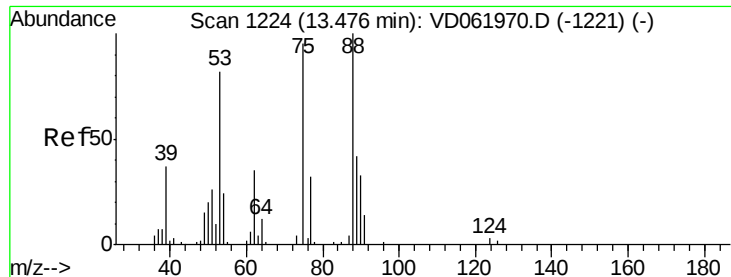
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD062019.D
Acq: 25 Apr 2019 4:28

Tgt Ion:152 Resp: 31413
Ion Ratio Lower Upper
152 100
115 53.1 30.9 92.7
150 157.4 0.0 314.8



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: 63.922 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062019.D

Acq: 25 Apr 2019 4:28

Instrument :

MSVOA_D

ClientSampleId :

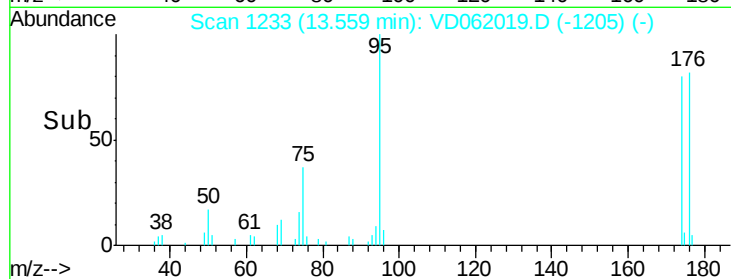
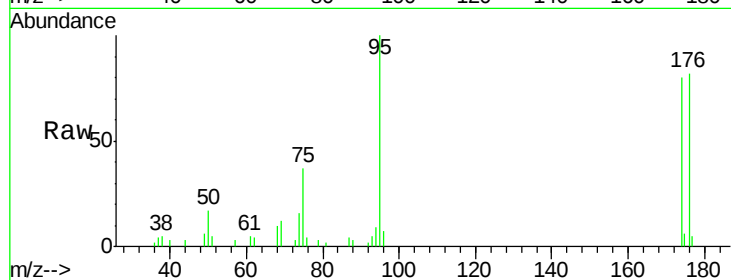
Tot Ion: 75 Resp: 7727

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

