

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061921.D
 Acq On : 19 Apr 2019 20:41
 Operator : VA/AP
 Sample : K2413-02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 19 23:11:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

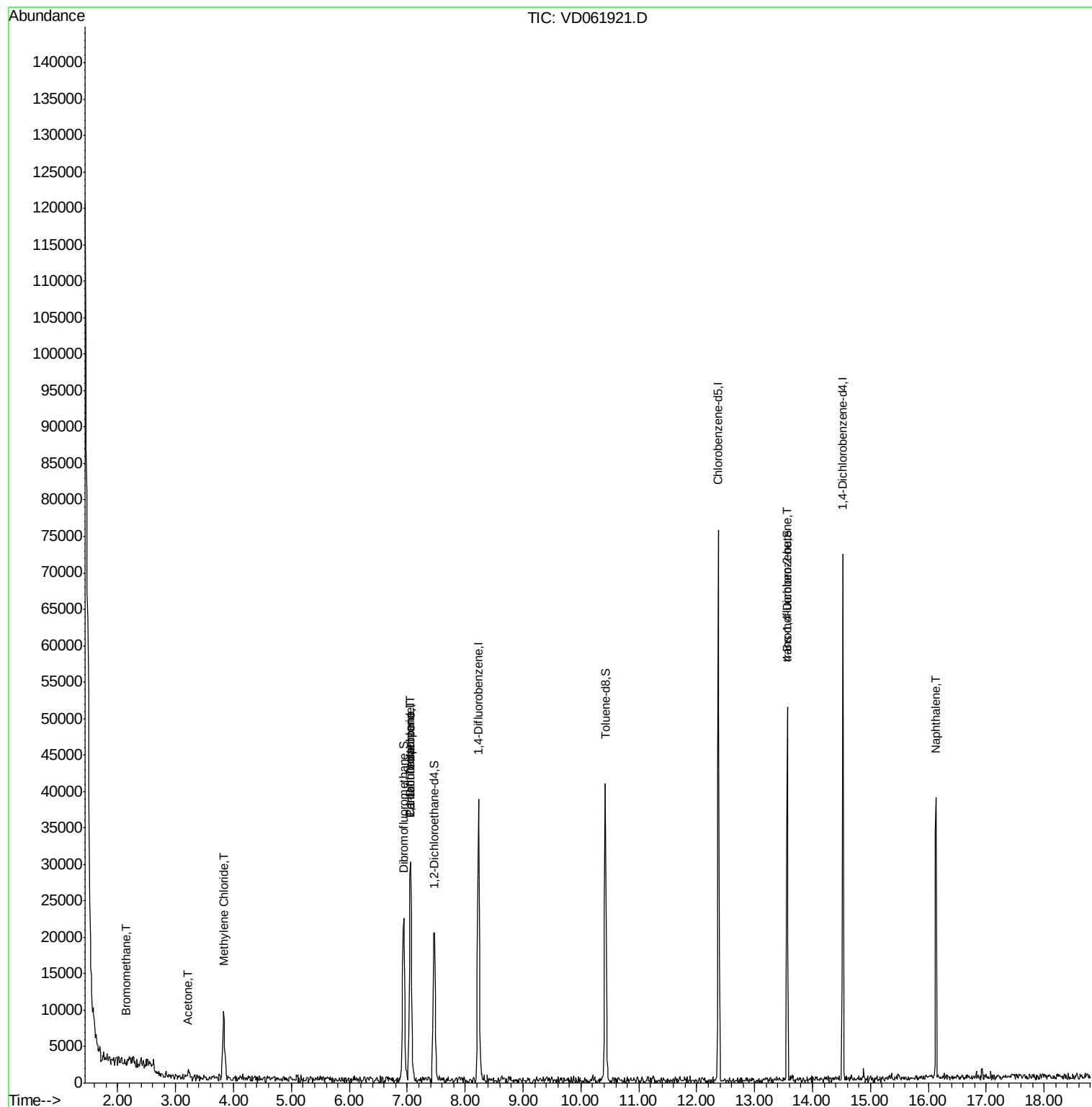
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	31738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	50178	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	45530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	19609	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	21637	81.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	162.68%	
35) Dibromofluoromethane	6.93	113	22003	58.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.08%	
50) Toluene-d8	10.42	98	37631	41.89	ug/l	0.01
Spiked Amount 50.000			Recovery	=	83.78%	
62) 4-Bromofluorobenzene	13.56	95	15436	42.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.80%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.13	94	395	3.801	ug/l #	12
16) Acetone	3.22	43	1077	16.428	ug/l #	50
20) Methylene Chloride	3.83	84	6667	17.476	ug/l #	91
36) 1,1-Dichloropropene	7.05	75	2073	5.056	ug/l #	40
38) Carbon Tetrachloride	7.06	117	2897	5.595	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.56	75	6363	74.490	ug/l #	16
95) Naphthalene	16.13	128	27044	60.814	ug/l	97

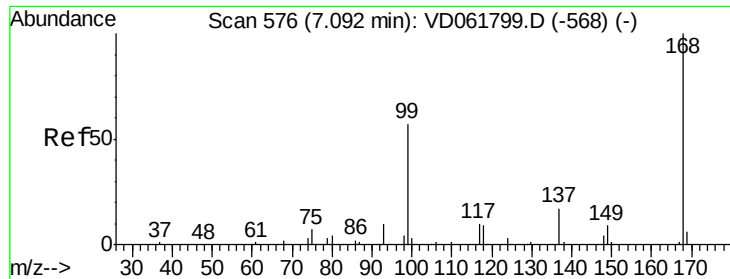
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041919\
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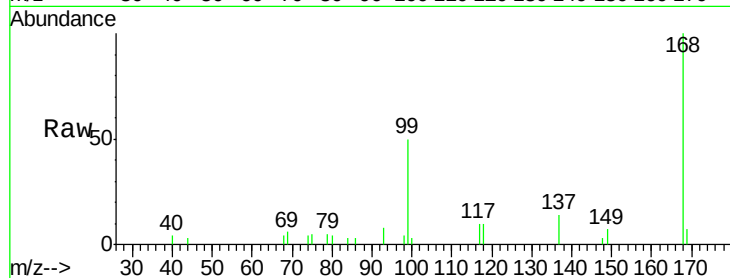




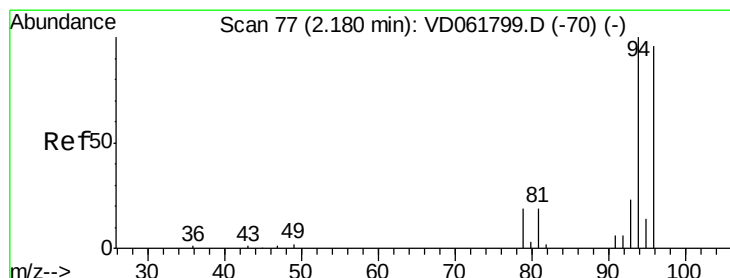
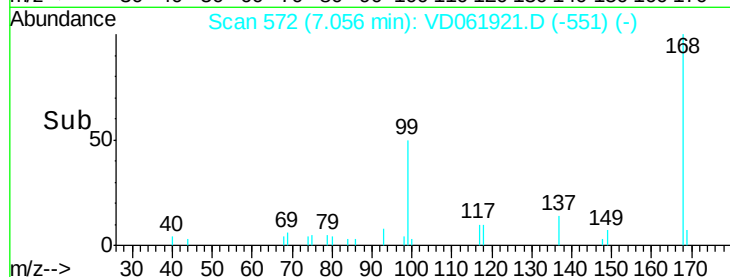
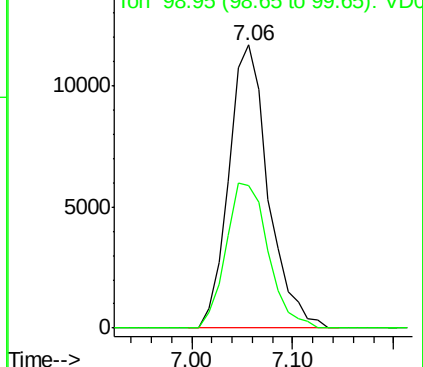
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.00 min
Lab File: VD061921.D
Acq: 19 Apr 2019 20:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 31738
Ion Ratio Lower Upper
168 100
99 50.3 46.5 69.7

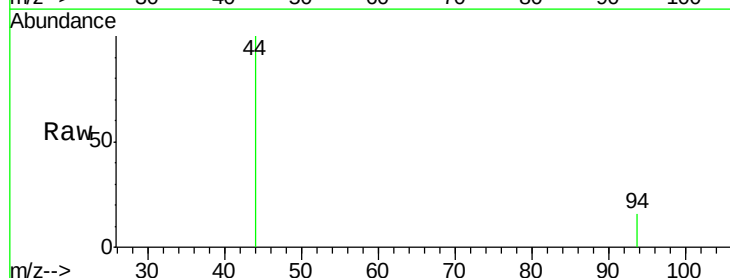


Abundance Ion 167.90 (167.60 to 168.60): V

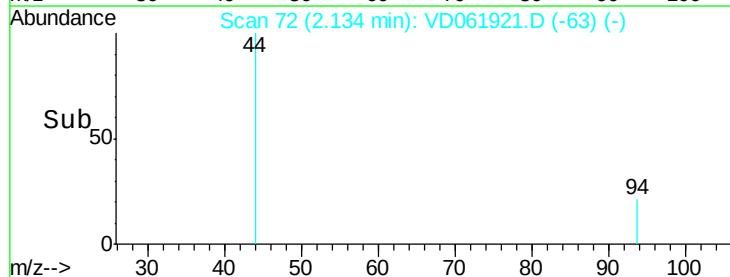
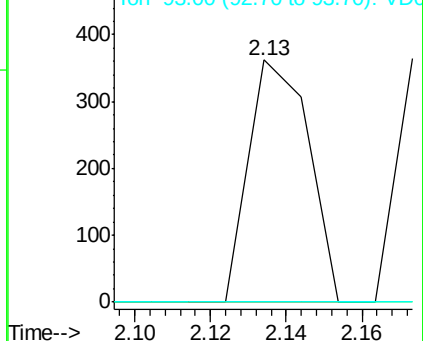


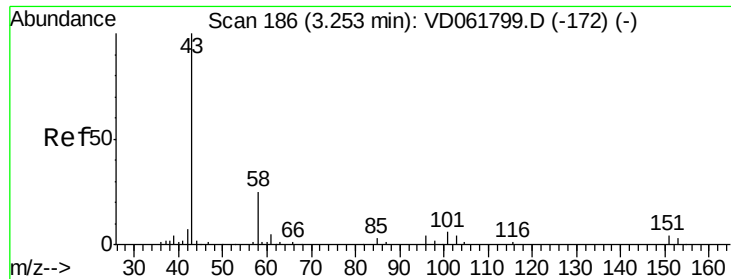
#5
Bromomethane
Concen: 3.801 ug/l
RT: 2.13 min Scan# 72
Delta R.T. -0.02 min
Lab File: VD061921.D
Acq: 19 Apr 2019 20:41

Tgt Ion: 94 Resp: 395
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





#16

Acetone

Concen: 16.428 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061921.D

Acq: 19 Apr 2019 20:41

Instrument :

MSVOA_D

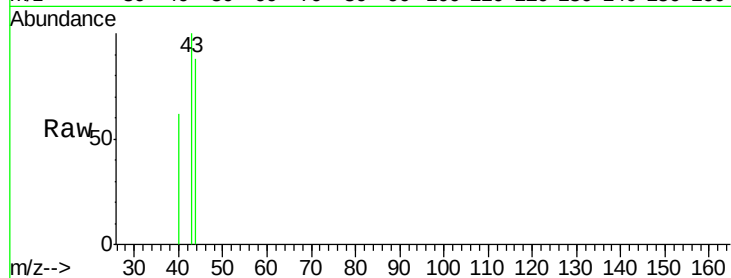
ClientSampleId :

Tot Ion: 43 Resp: 1077

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

800

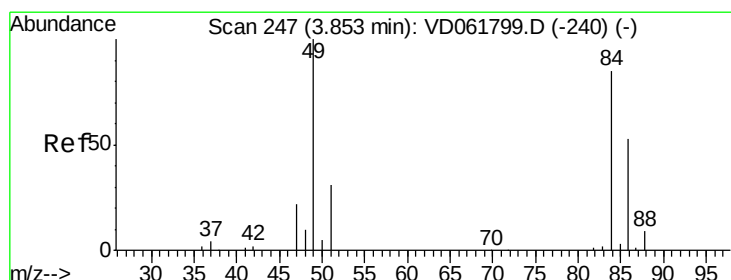
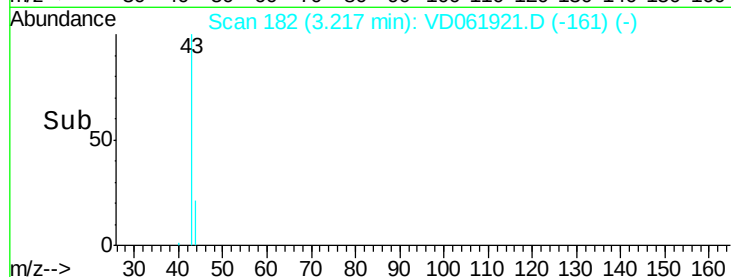
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 17.476 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD061921.D

Acq: 19 Apr 2019 20:41

Tgt Ion: 84 Resp: 6667

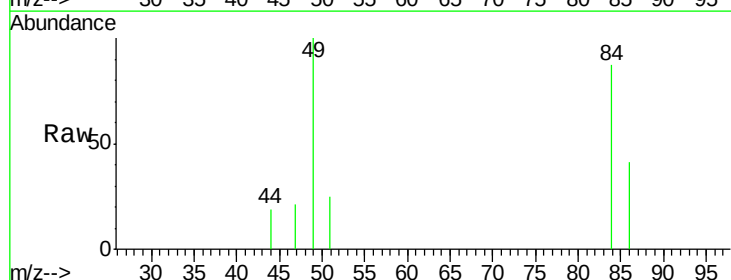
Ion Ratio Lower Upper

84 100

49 115.2 94.0 141.0

51 29.0 29.0 43.4

86 47.0 49.8 74.6#



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

5000

4000

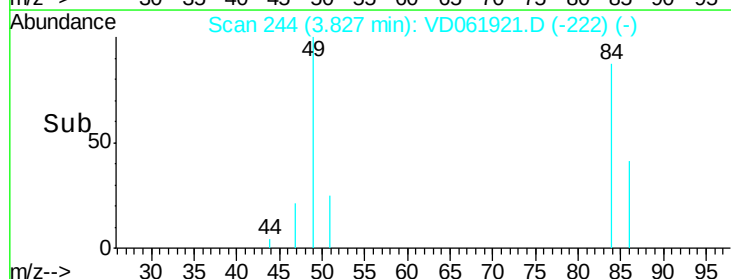
3000

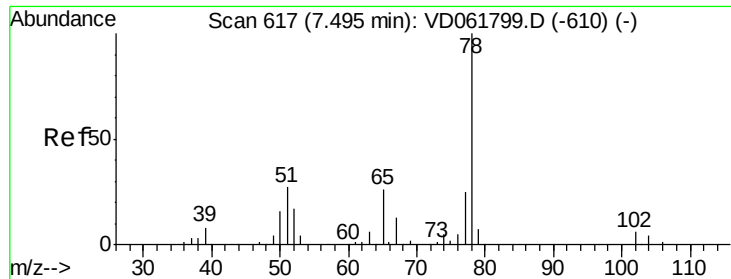
2000

1000

0

Time-->

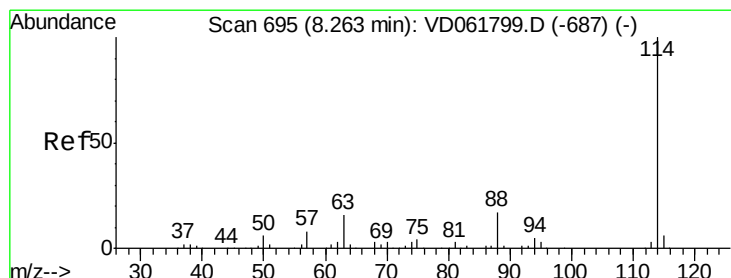
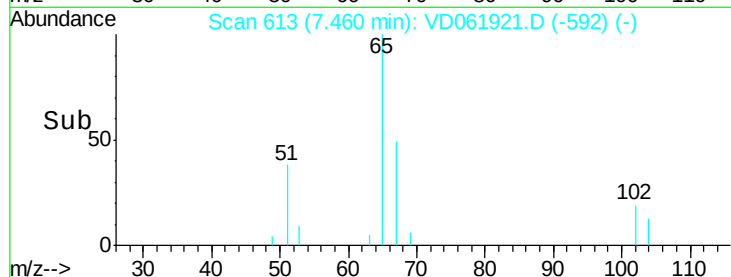
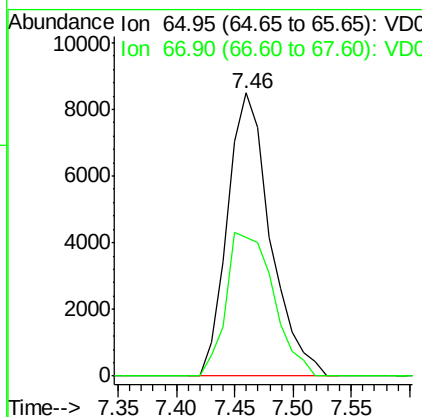
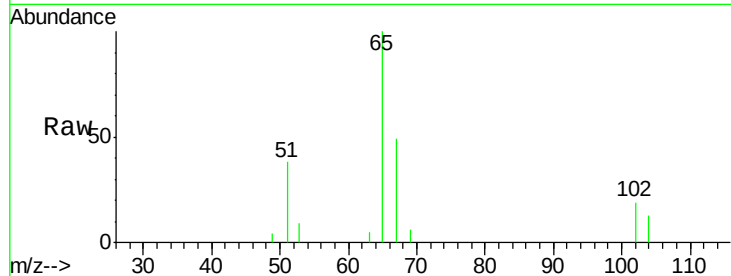




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061921.D
 Acq: 19 Apr 2019 20:41

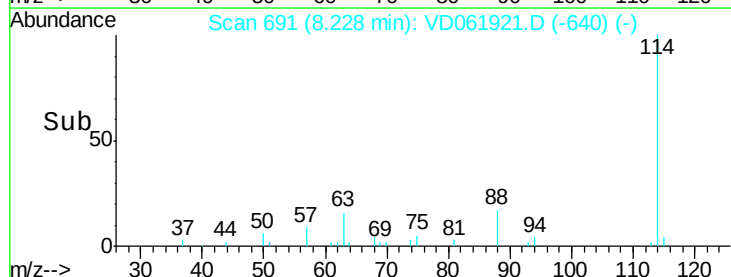
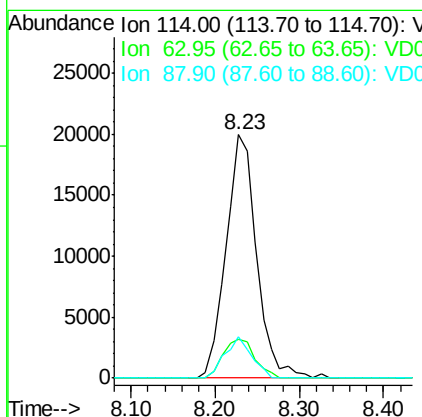
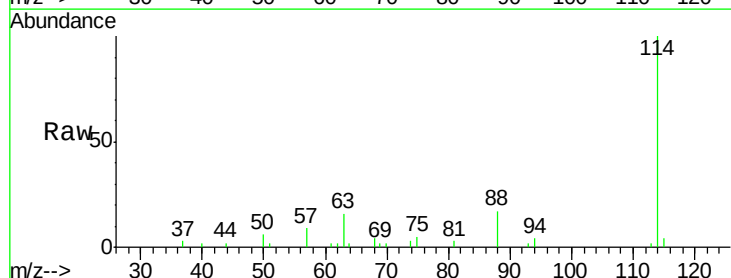
Instrument :
 MSVOA_D
 ClientSampleId :

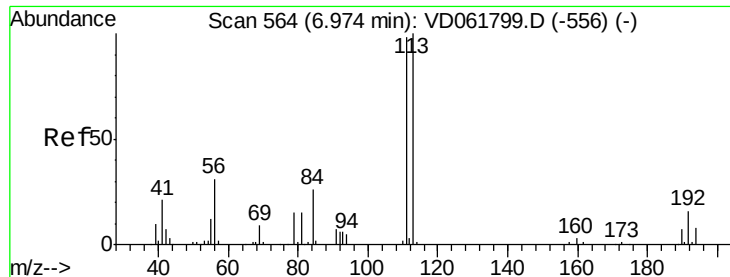
Tot Ion: 65 Resp: 21637
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061921.D
 Acq: 19 Apr 2019 20:41

Tgt Ion: 114 Resp: 50178
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 32.4
 88 17.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061921.D

Acq: 19 Apr 2019 20:41

Instrument :
MSVOA_D
ClientSampleId :

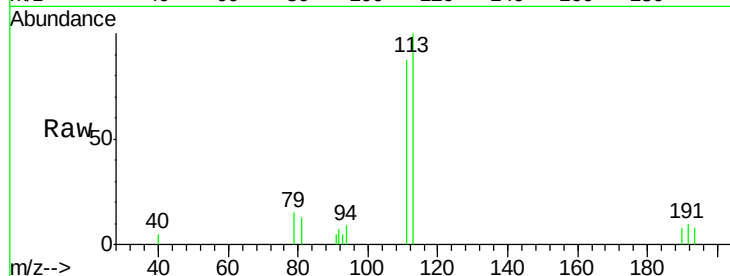
Tot Ion:113 Resp: 22003

Ion Ratio Lower Upper

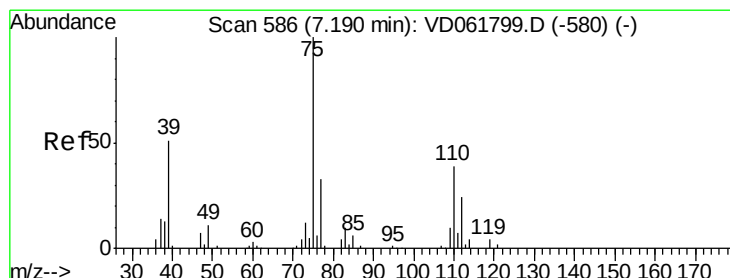
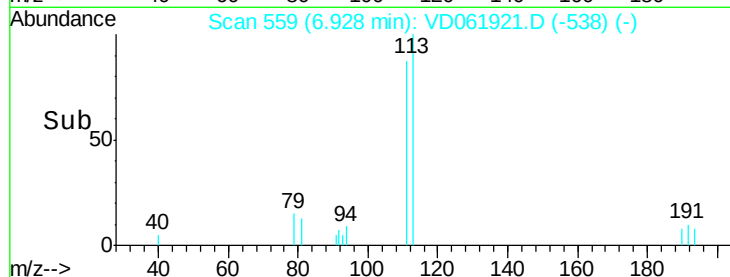
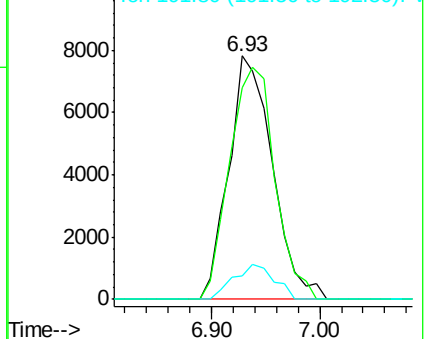
113 100

111 86.8 78.5 117.7

192 9.8 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: 5.056 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061921.D

Acq: 19 Apr 2019 20:41

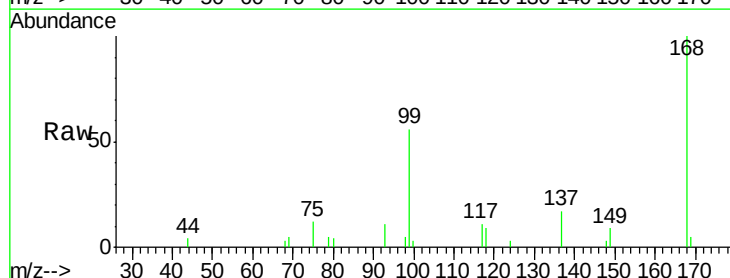
Tgt Ion: 75 Resp: 2073

Ion Ratio Lower Upper

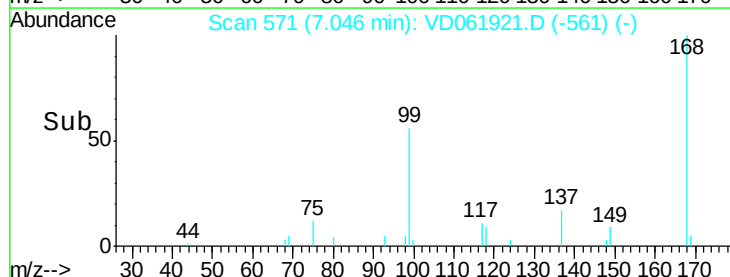
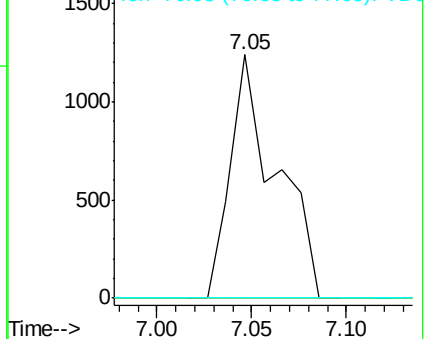
75 100

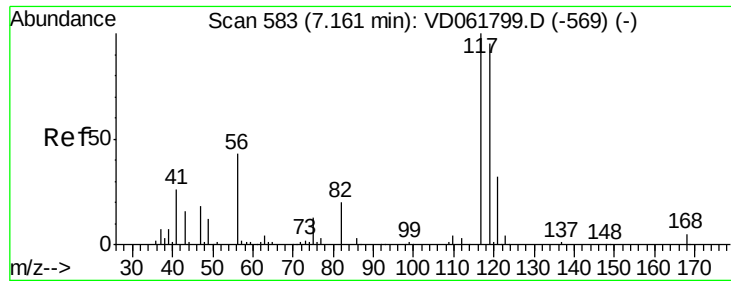
110 0.0 19.1 57.1#

77 0.0 25.6 38.4#



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





#38

Carbon Tetrachloride

Concen: 5.595 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.05 min

Lab File: VD061921.D

Acq: 19 Apr 2019 20:41

Instrument :

MSVOA_D

ClientSampleId :

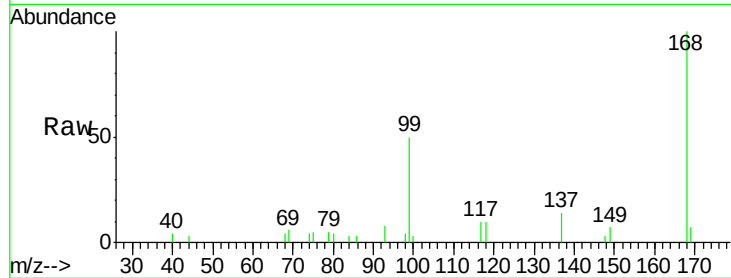
Tot Ion:117 Resp: 2897

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

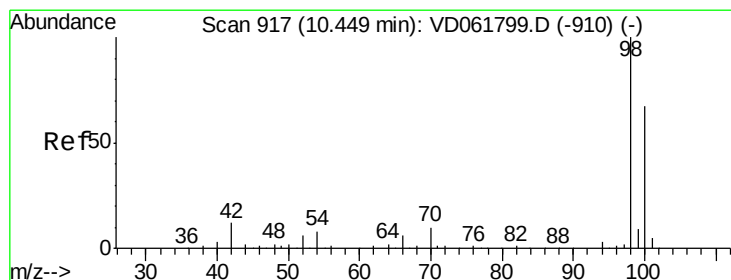
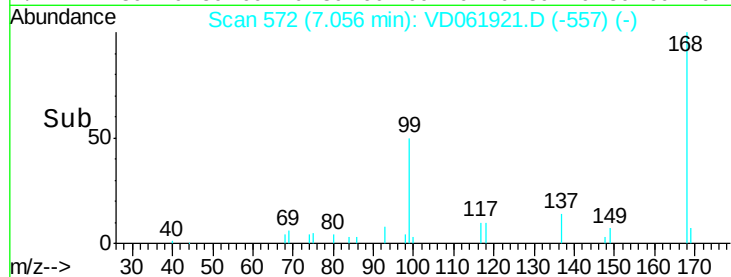
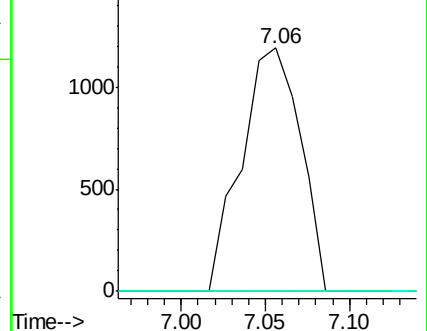
121 0.0 25.9 38.9#



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. 0.01 min

Lab File: VD061921.D

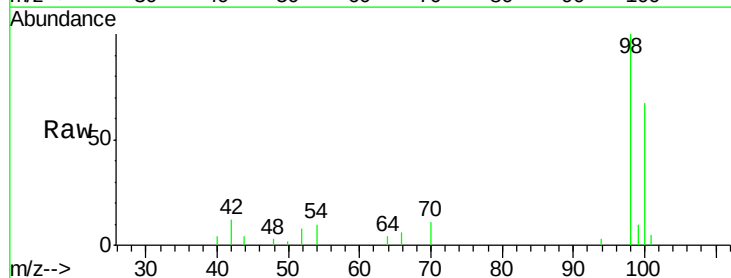
Acq: 19 Apr 2019 20:41

Tgt Ion: 98 Resp: 37631

Ion Ratio Lower Upper

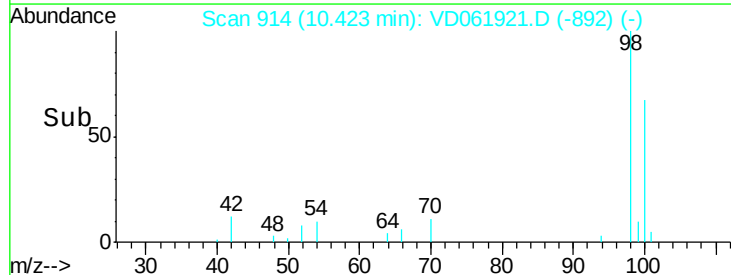
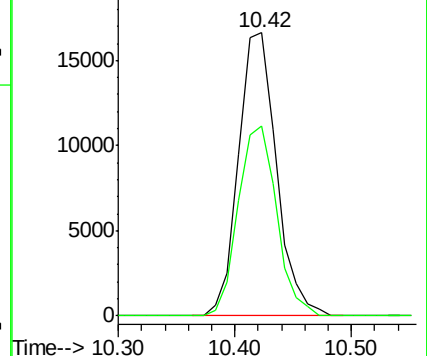
98 100

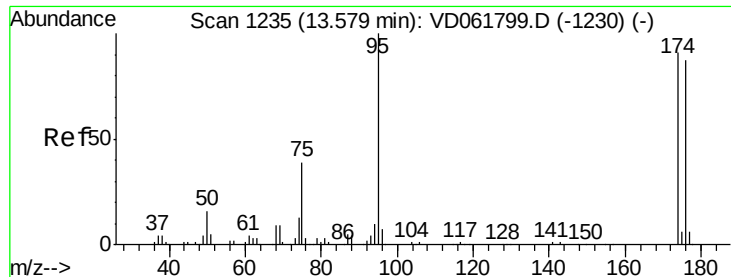
100 67.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061921.D

Acq: 19 Apr 2019 20:41

Instrument :

MSVOA_D

ClientSampleId :

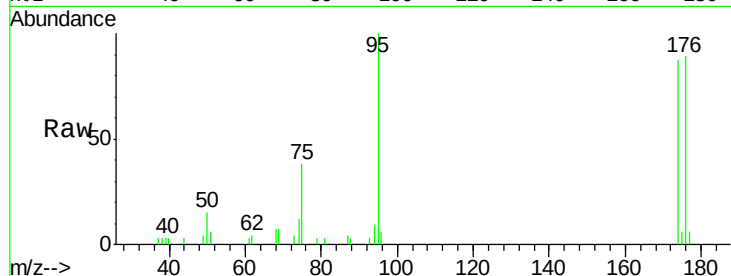
Tot Ion: 95 Resp: 15436

Ion Ratio Lower Upper

95 100

174 86.9 0.0 181.8

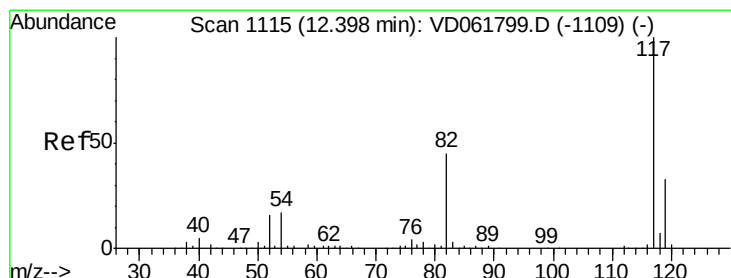
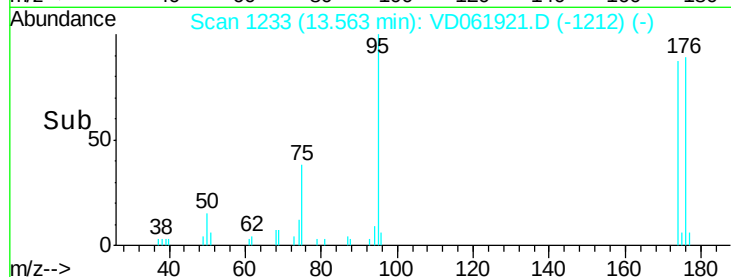
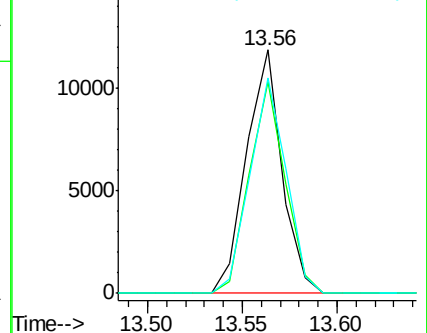
176 88.7 0.0 174.4



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: 12.37 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD061921.D

Acq: 19 Apr 2019 20:41

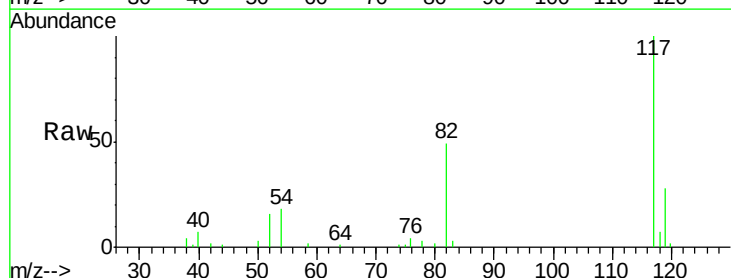
Tgt Ion: 117 Resp: 45530

Ion Ratio Lower Upper

117 100

82 49.0 36.2 54.2

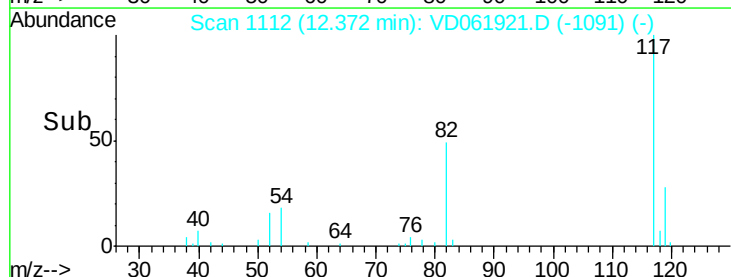
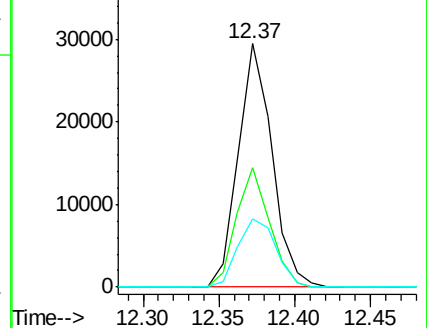
119 28.0 26.2 39.4

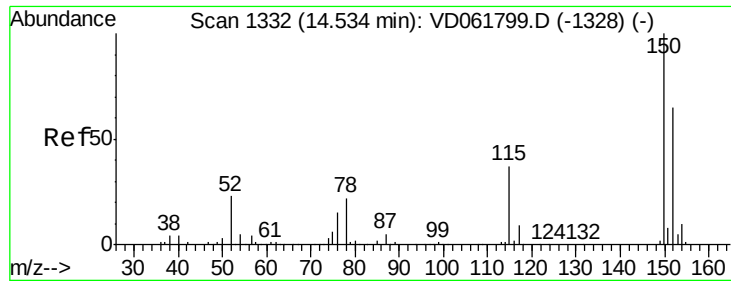


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

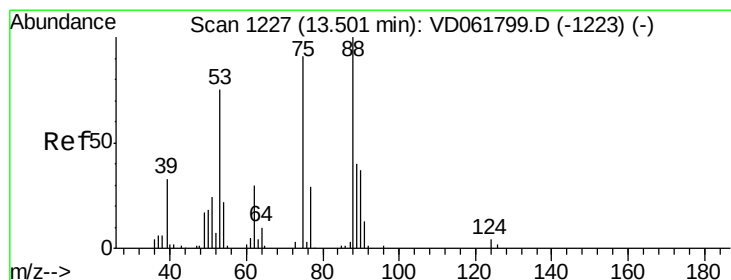
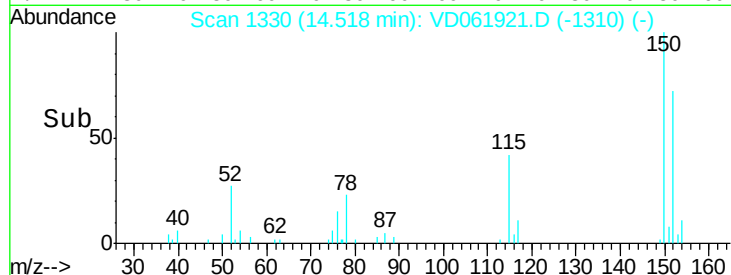
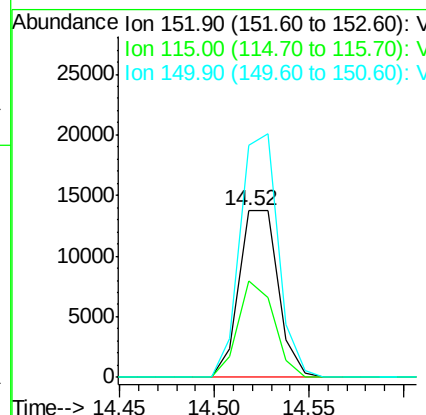
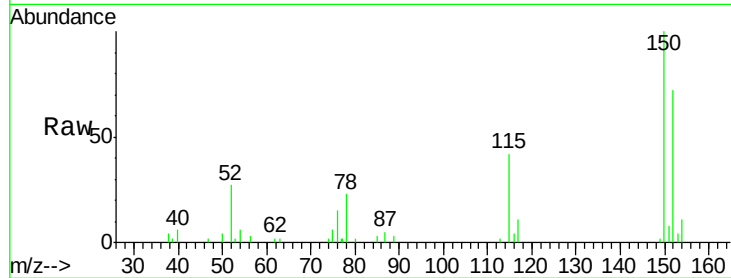




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD061921.D
 Acq: 19 Apr 2019 20:41

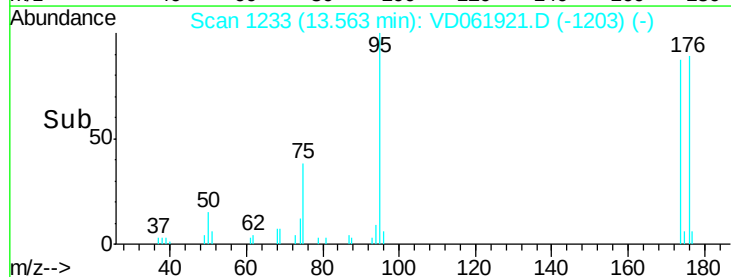
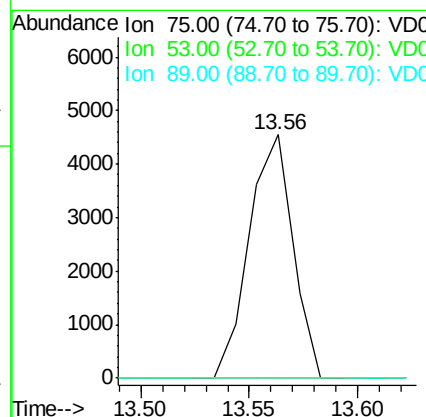
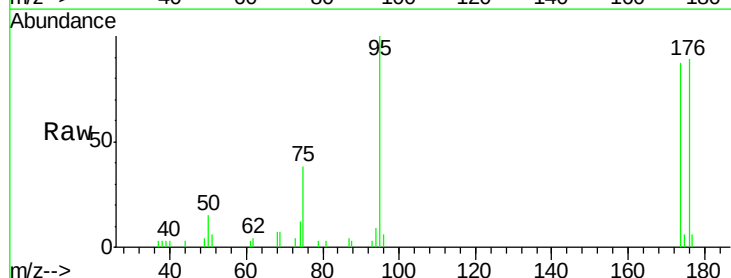
Instrument :
 MSVOA_D
 ClientSampleID :

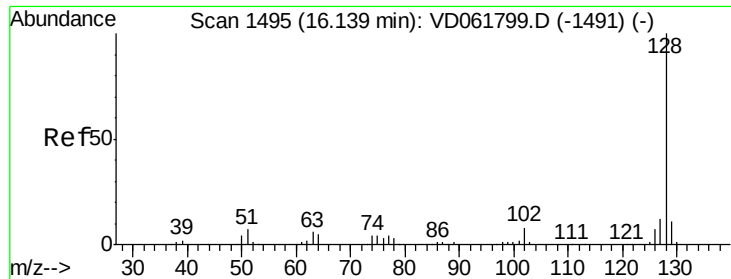
Tot Ion:152 Resp: 19609
 Ion Ratio Lower Upper
 152 100
 115 58.2 30.9 92.7
 150 139.6 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.490 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD061921.D
 Acq: 19 Apr 2019 20:41

Tgt Ion: 75 Resp: 6363
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

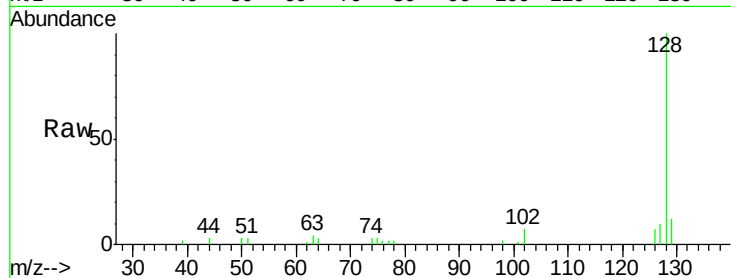




#95
 Naphthalene
 Concen: 60.814 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VD061921.D
 Acq: 19 Apr 2019 20:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:128 Resp: 27044
 Ion Ratio Lower Upper
 128 100
 127 10.5 9.8 14.8
 129 11.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

