

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061821.D
 Acq On : 16 Apr 2019 20:18
 Operator : VA/AP
 Sample : K2199-09
 Misc : 6.21g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 17 00:59:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	525441	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.22	114	881320	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	721903	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	288383	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	223972	50.86	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	101.72%	
35) Dibromofluoromethane	6.93	113	272070	40.86	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	81.72%	
50) Toluene-d8	10.42	98	654981	41.52	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	83.04%	
62) 4-Bromofluorobenzene	13.56	95	266972	41.75	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	83.50%	

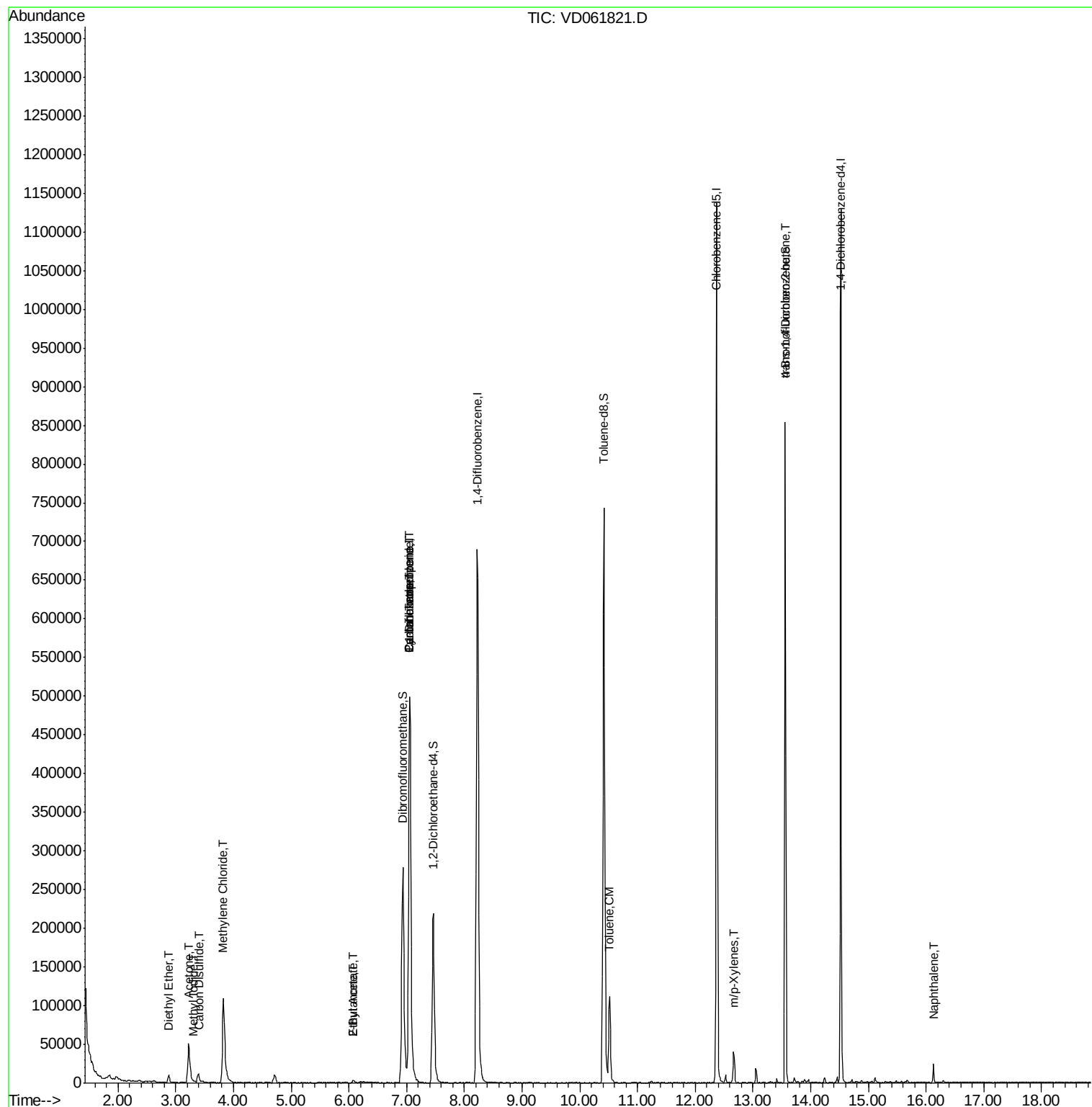
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	779	Below Cal		# 12
8) Diethyl Ether	2.88	74	4462	2.588	ug/l	95
10) Methyl Iodide	3.32	142	1295	3.643	ug/l	# 37
16) Acetone	3.22	43	101955	93.938	ug/l	99
17) Carbon Disulfide	3.39	76	21341	1.339	ug/l	98
20) Methylene Chloride	3.82	84	87800	12.868	ug/l	94
25) 2-Butanone	6.08	43	7347	5.946	ug/l	# 89
31) Cyclohexane	7.05	56	8427	1.264	ug/l	# 1
36) 1,1-Dichloropropene	7.05	75	38284	5.316	ug/l	# 46
37) Ethyl Acetate	6.08	43	7347	2.384	ug/l	# 64
38) Carbon Tetrachloride	7.05	117	50568	5.561	ug/l	# 18
52) Toluene	10.52	92	61551	5.555	ug/l	94
68) m/p-Xylenes	12.66	106	13890	1.717	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.56	75	100517	79.767	ug/l	# 16
95) Naphthalene	16.13	128	18194	2.782	ug/l	96

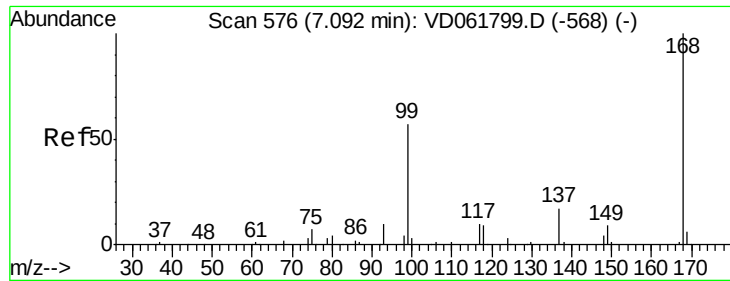
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061821.D

Acq: 16 Apr 2019 20:18

Instrument :

MSVOA_D

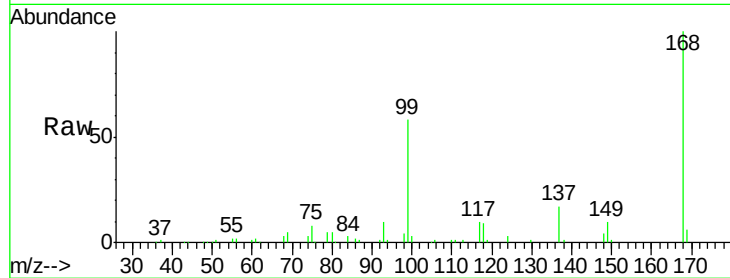
ClientSampleId :

Tot Ion:168 Resp: 525441

Ion Ratio Lower Upper

168 100

99 58.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

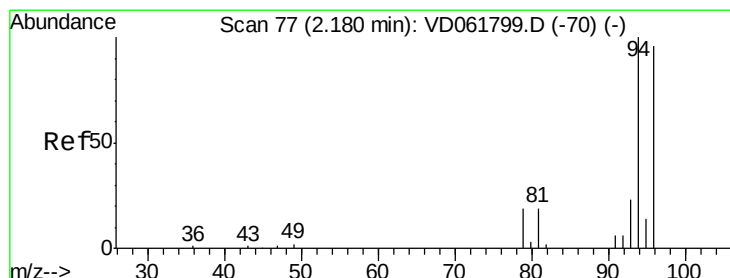
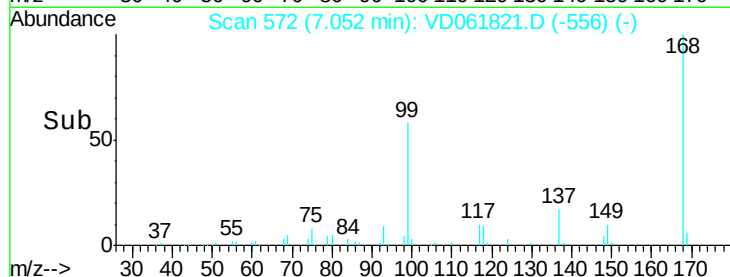
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.18 min Scan# 77

Delta R.T. -0.00 min

Lab File: VD061821.D

Acq: 16 Apr 2019 20:18

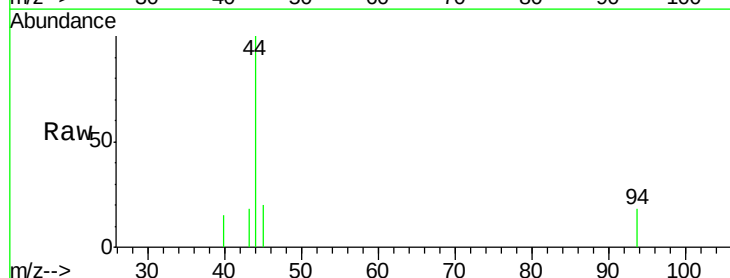
Tgt Ion: 94 Resp: 779

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

2.18

500

400

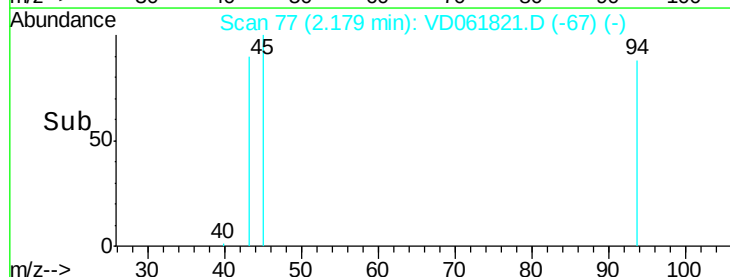
300

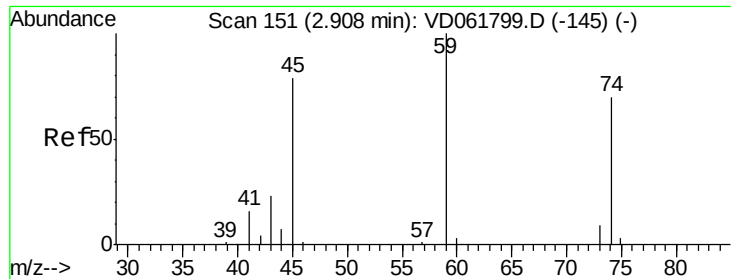
200

100

0

Time-->





#8

Diethyl Ether

Concen: 2.588 ug/l

RT: 2.88 min Scan# 148

Delta R.T. -0.03 min

Lab File: VD061821.D

Acq: 16 Apr 2019 20:18

Instrument :

MSVOA_D

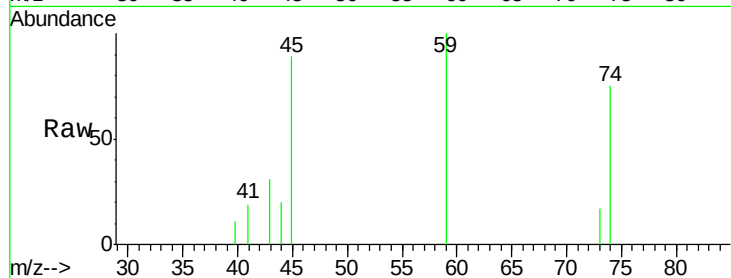
ClientSampleId :

Tot Ion: 74 Resp: 4462

Ion Ratio Lower Upper

74 100

45 118.8 56.9 170.7

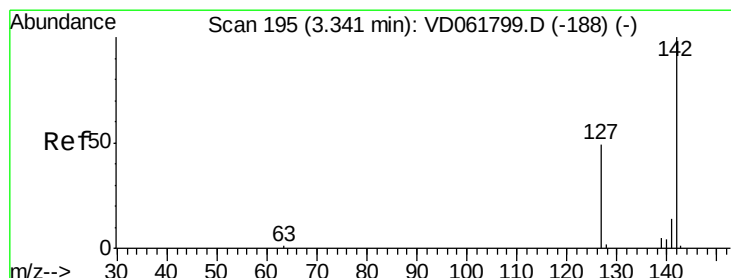
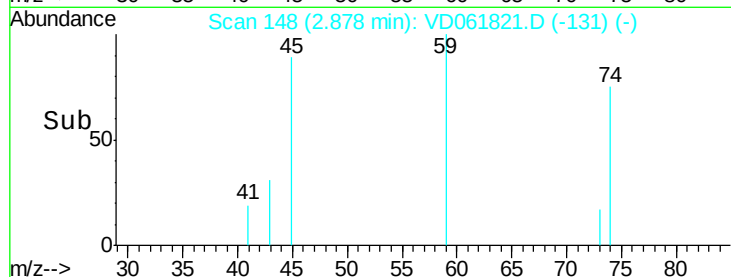


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.88

Time-->



#10

Methyl Iodide

Concen: 3.643 ug/l

RT: 3.32 min Scan# 193

Delta R.T. -0.02 min

Lab File: VD061821.D

Acq: 16 Apr 2019 20:18

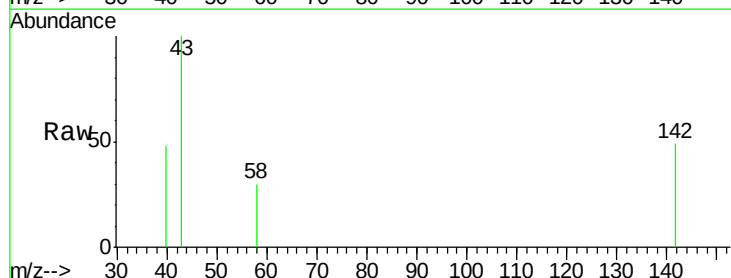
Tgt Ion: 142 Resp: 1295

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

141 0.0 11.4 17.0#



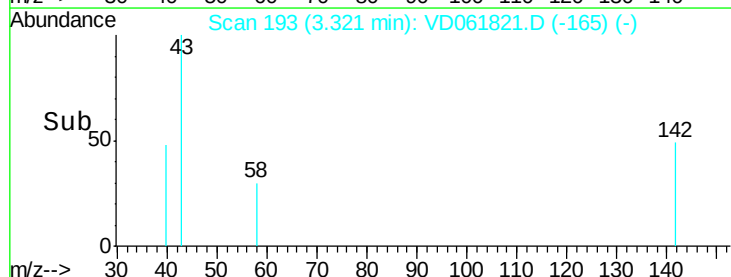
Abundance Ion 141.85 (141.55 to 142.55): V

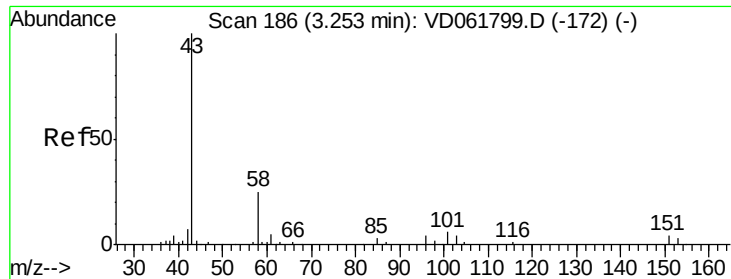
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.32

Time-->





#16

Acetone

Concen: 93.938 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.03 min

Lab File: VD061821.D

Acq: 16 Apr 2019 20:18

Instrument :

MSVOA_D

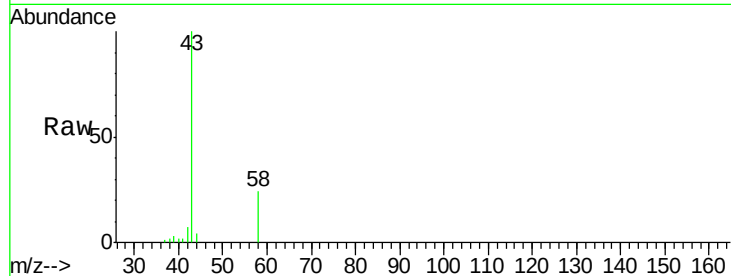
ClientSampleId :

Tot Ion: 43 Resp: 101955

Ion Ratio Lower Upper

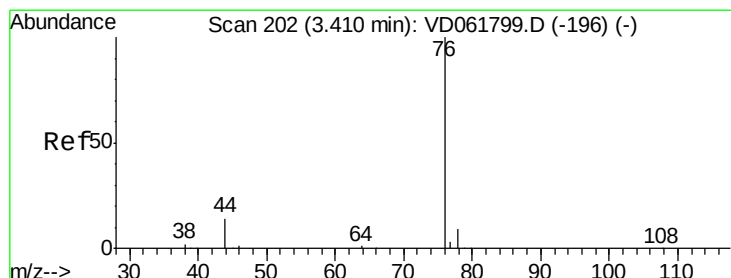
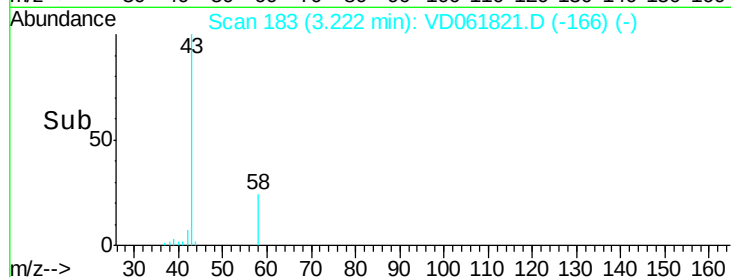
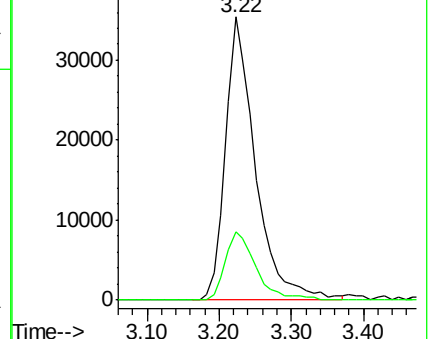
43 100

58 24.2 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 1.339 ug/l

RT: 3.39 min Scan# 200

Delta R.T. -0.02 min

Lab File: VD061821.D

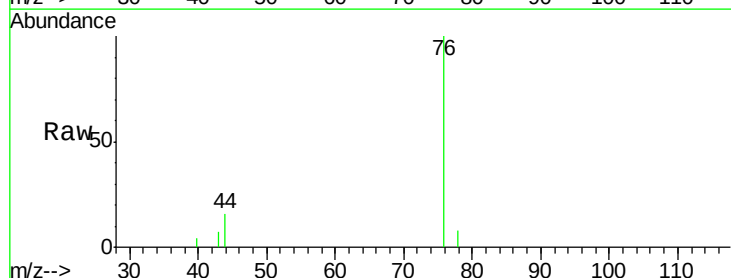
Acq: 16 Apr 2019 20:18

Tgt Ion: 76 Resp: 21341

Ion Ratio Lower Upper

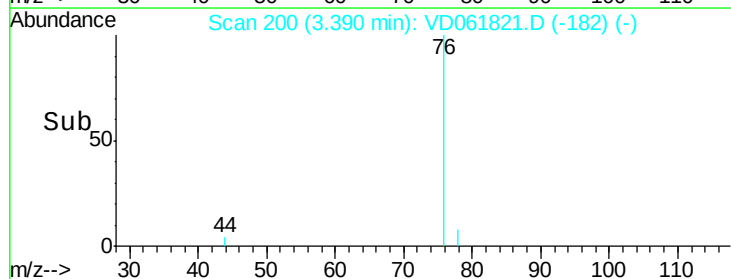
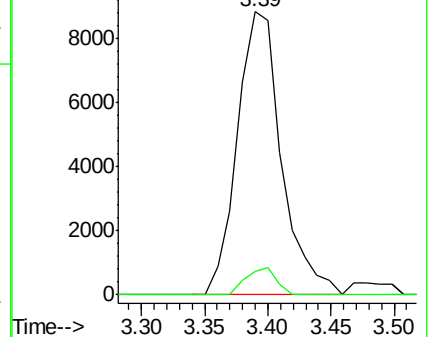
76 100

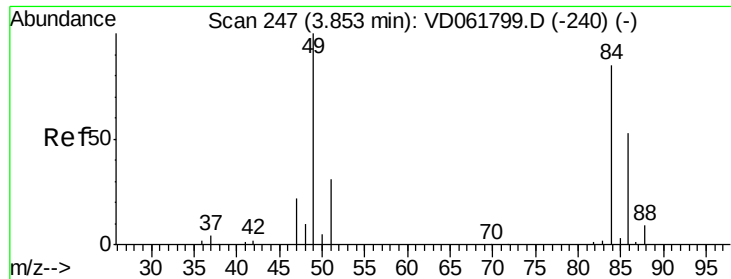
78 8.1 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

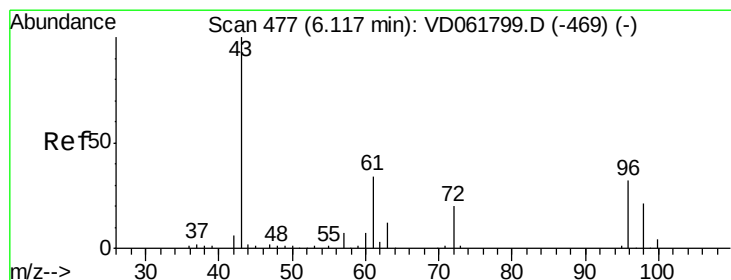
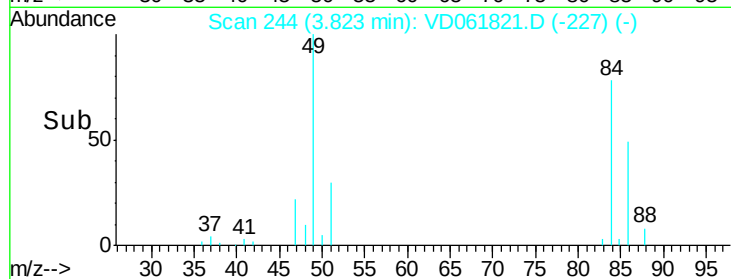
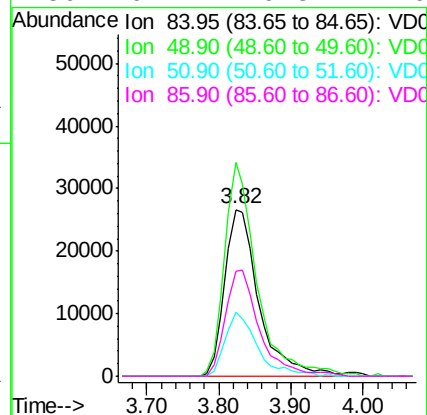
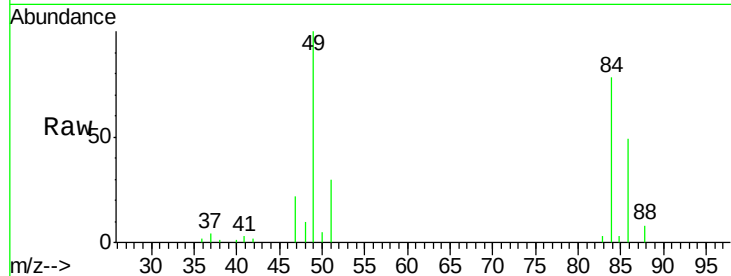




#20
Methvlene Chloride
Concen: 12.868 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.03 min
Lab File: VD061821.D
Acq: 16 Apr 2019 20:18

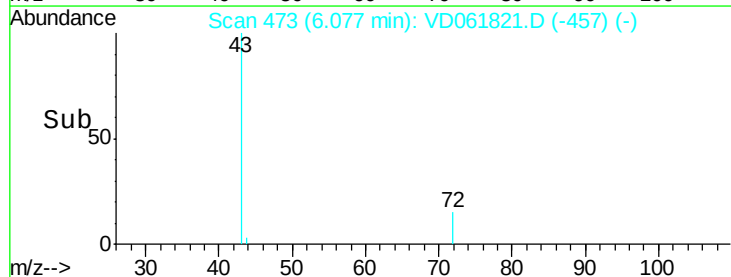
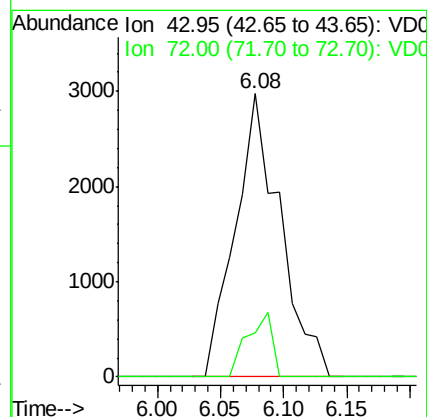
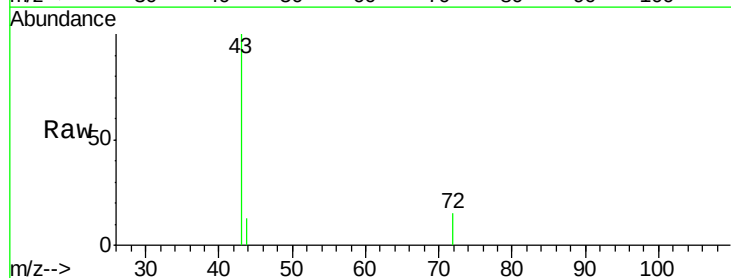
Instrument :
MSVOA_D
ClientSampleId :

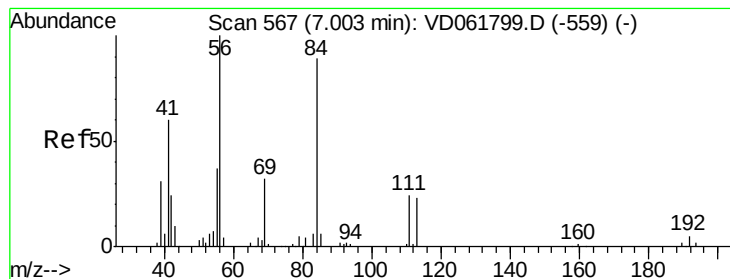
Tot Ion: 84 Resp: 87800
Ion Ratio Lower Upper
84 100
49 128.0 94.0 141.0
51 38.1 29.0 43.4
86 62.7 49.8 74.6



#25
2-Butanone
Concen: 5.946 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.04 min
Lab File: VD061821.D
Acq: 16 Apr 2019 20:18

Tgt Ion: 43 Resp: 7347
Ion Ratio Lower Upper
43 100
72 15.4 16.2 24.4#





#31

Cyclohexane

Concen: 1.264 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.05 min

Lab File: VD061821.D

Acq: 16 Apr 2019 20:18

Instrument :

MSVOA_D

ClientSampled :

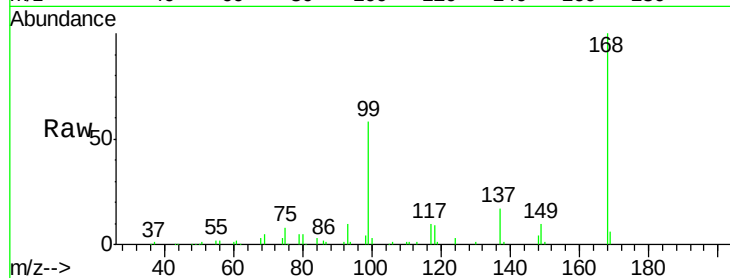
Tot Ion: 56 Resp: 8427

Ion Ratio Lower Upper

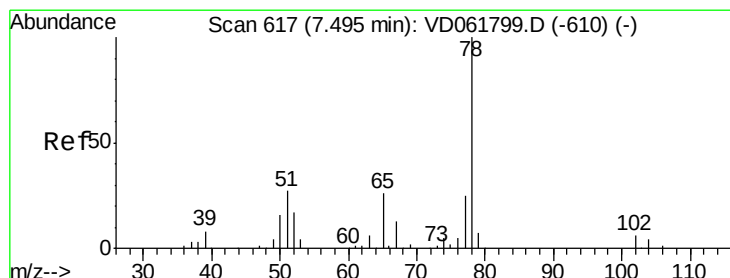
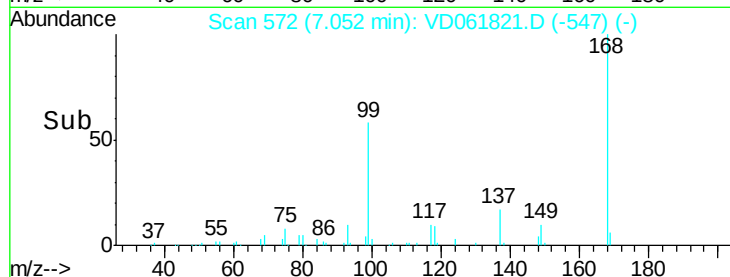
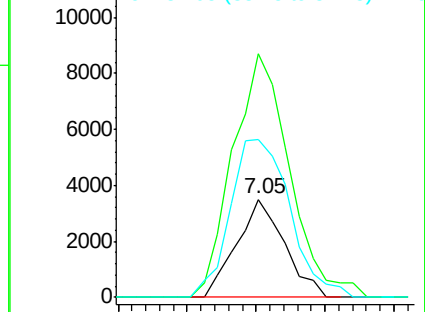
56 100

69 248.7 25.8 38.6#

84 161.6 72.2 108.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. -0.03 min

Lab File: VD061821.D

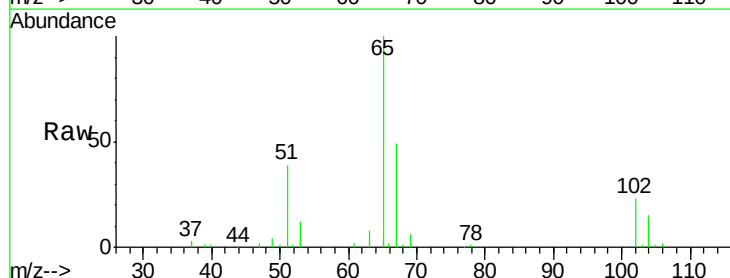
Acq: 16 Apr 2019 20:18

Tgt Ion: 65 Resp: 223972

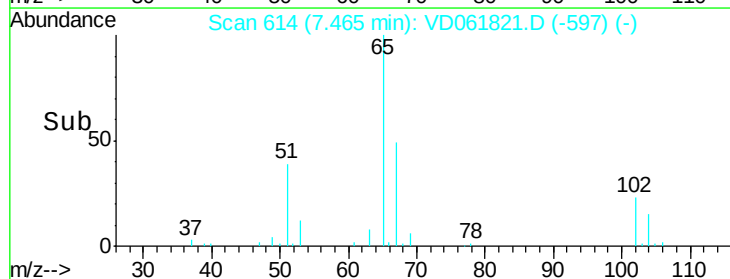
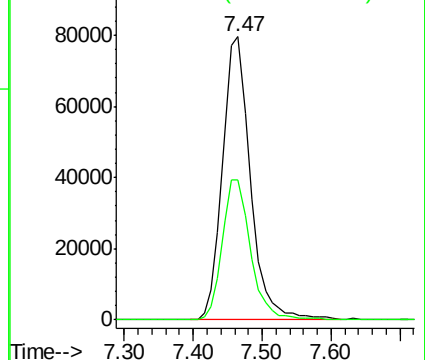
Ion Ratio Lower Upper

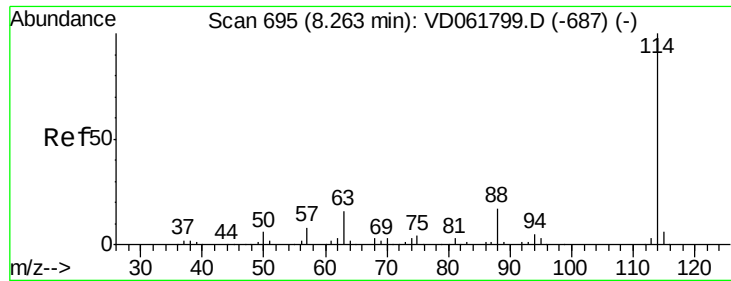
65 100

67 49.5 0.0 98.0



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

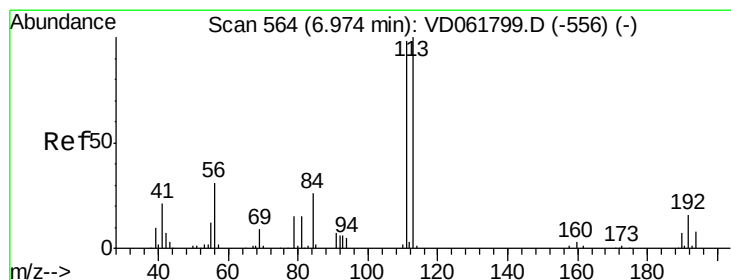
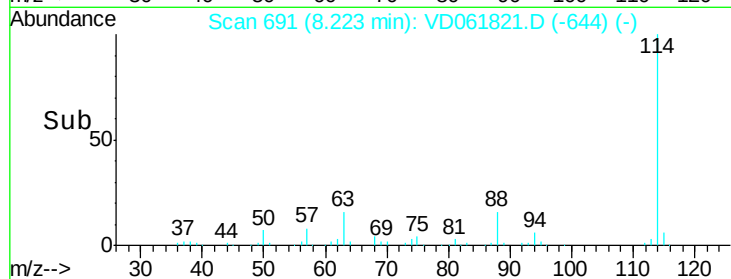
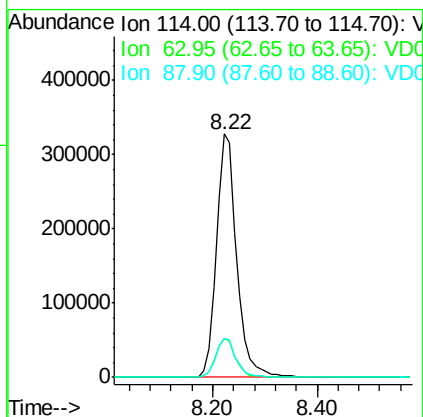
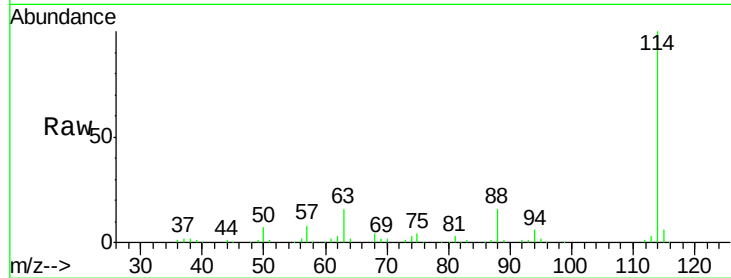




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.04 min
 Lab File: VD061821.D
 Acq: 16 Apr 2019 20:18

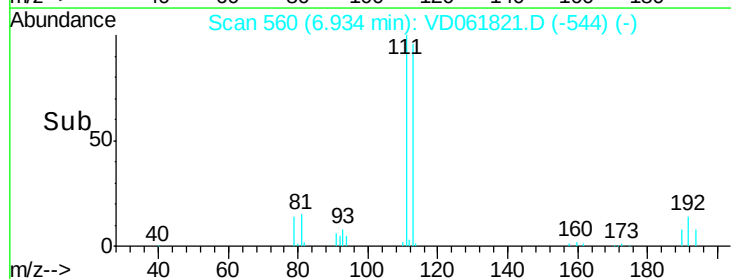
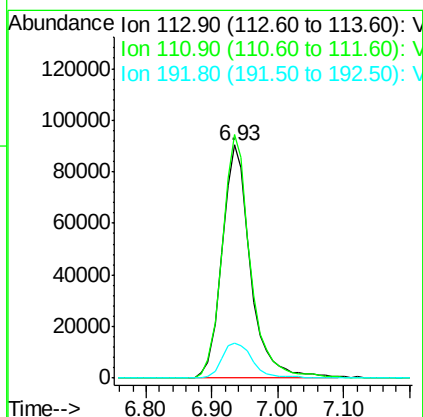
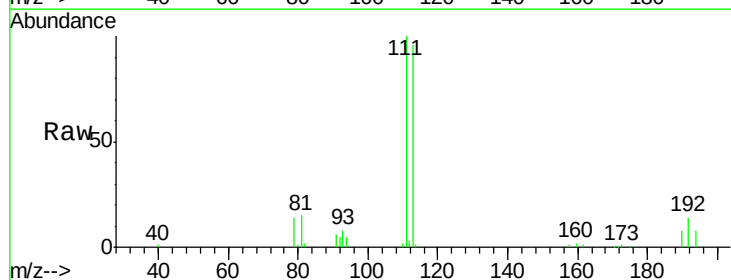
Instrument :
 MSVOA_D
 ClientSampleId :

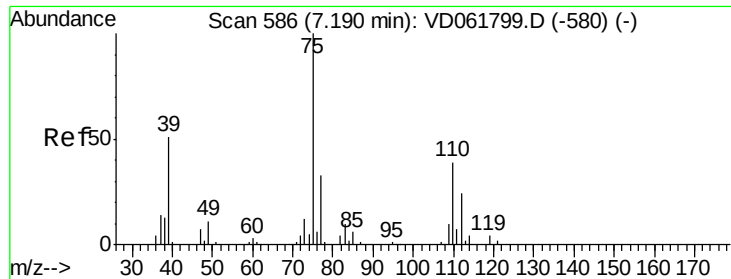
Tot Ion:114 Resp: 881320
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 32.4
 88 16.0 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. -0.04 min
 Lab File: VD061821.D
 Acq: 16 Apr 2019 20:18

Tgt Ion:113 Resp: 272070
 Ion Ratio Lower Upper
 113 100
 111 104.4 78.5 117.7
 192 15.1 13.0 19.4

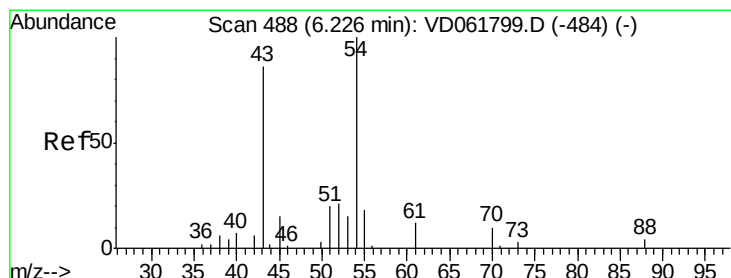
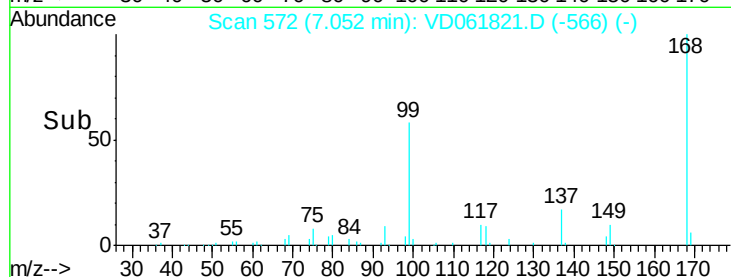
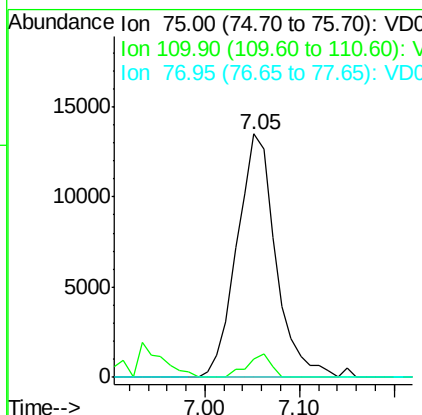
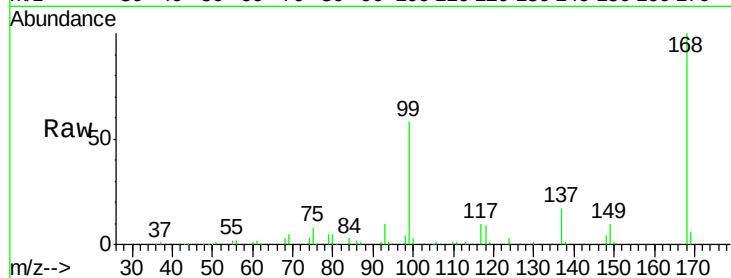




#36
 1,1-Dichloropropene
 Concen: 5.316 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.14 min
 Lab File: VD061821.D
 Acq: 16 Apr 2019 20:18

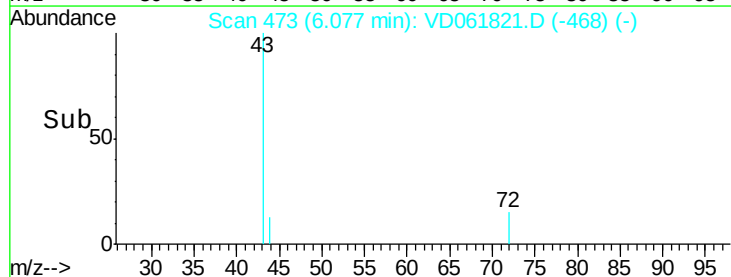
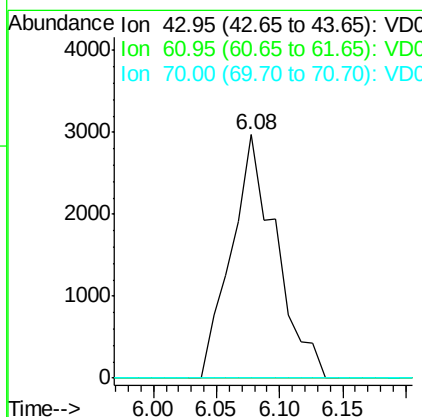
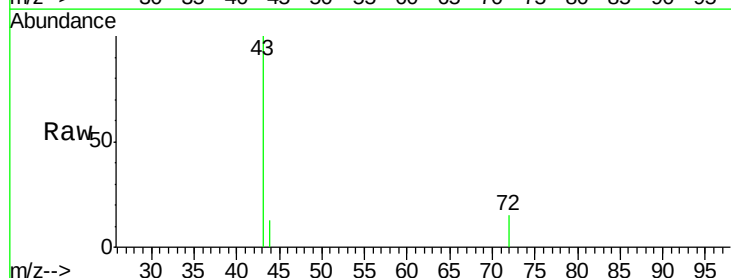
Instrument :
 MSVOA_D
 ClientSampleId :

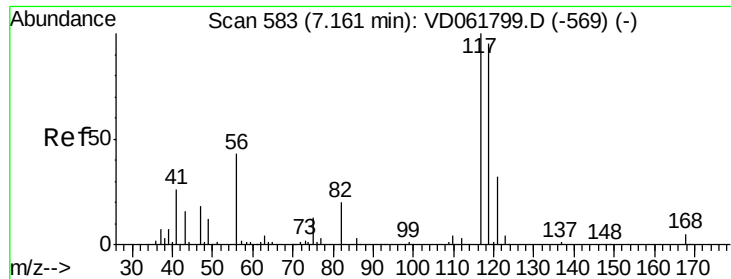
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.3	19.1	57.1#
77	0.0	25.6	38.4#



#37
 Ethyl Acetate
 Concen: 2.384 ug/l
 RT: 6.08 min Scan# 473
 Delta R.T. -0.15 min
 Lab File: VD061821.D
 Acq: 16 Apr 2019 20:18

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.7	22.1#
70	0.0	7.8	11.6#

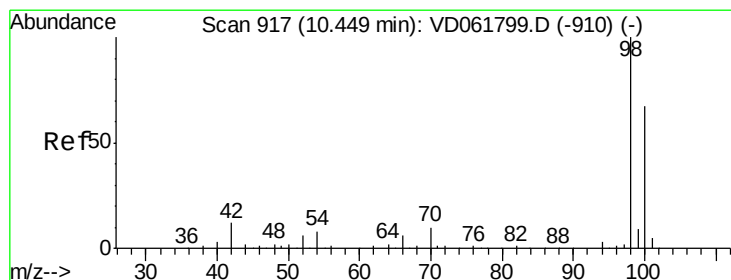
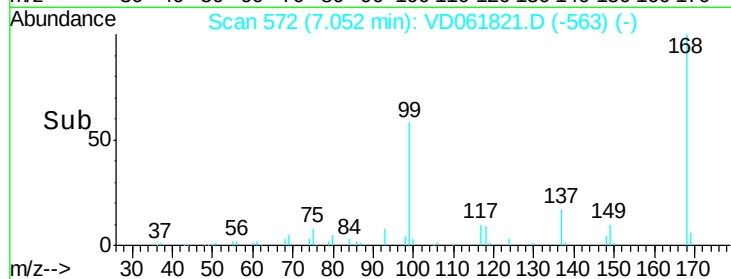
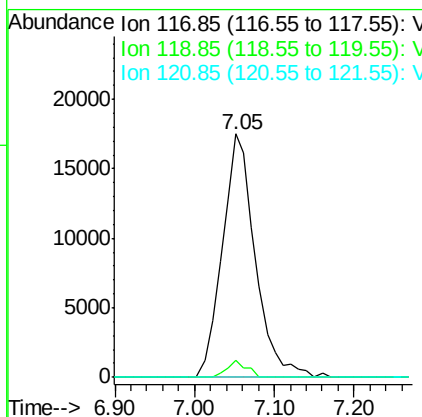
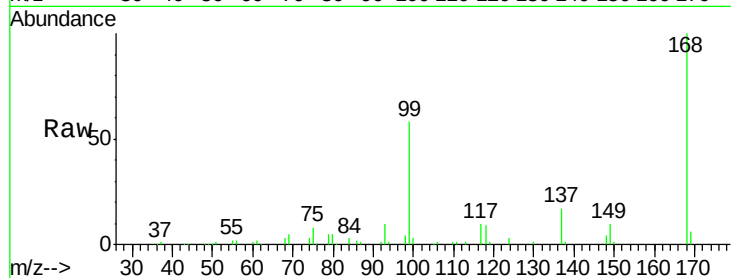




#38
 Carbon Tetrachloride
 Concen: 5.561 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.11 min
 Lab File: VD061821.D
 Acq: 16 Apr 2019 20:18

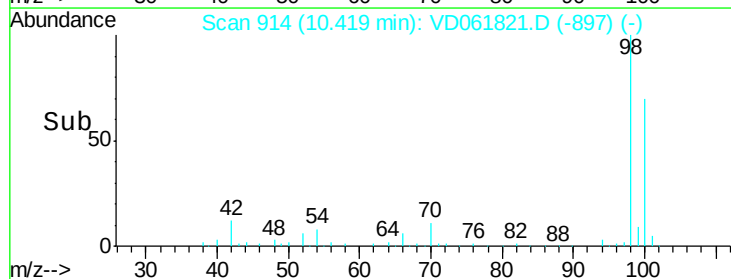
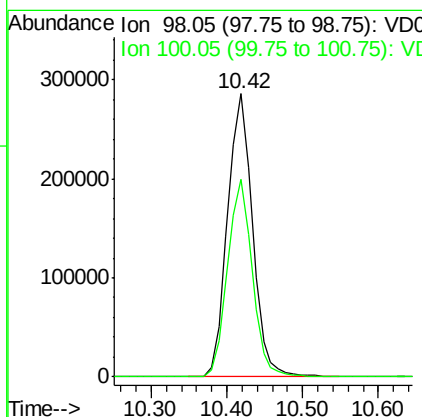
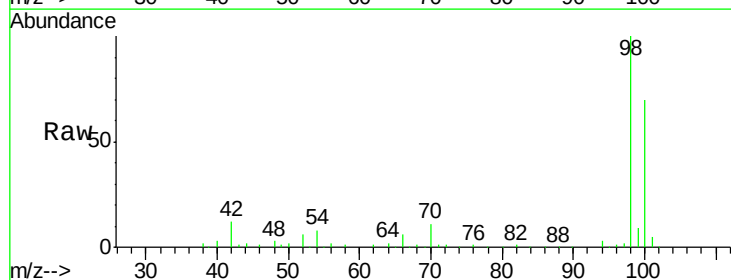
Instrument :
 MSVOA_D
 ClientSampleId :

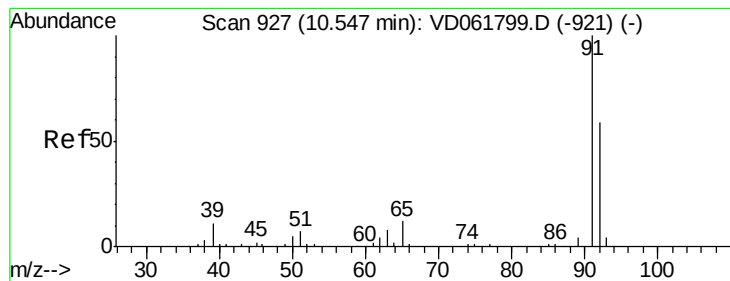
Tot Ion:117 Resp: 50568
 Ion Ratio Lower Upper
 117 100
 119 7.1 75.8 113.8#
 121 0.0 25.9 38.9#



#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. -0.03 min
 Lab File: VD061821.D
 Acq: 16 Apr 2019 20:18

Tgt Ion: 98 Resp: 654981
 Ion Ratio Lower Upper
 98 100
 100 69.7 53.8 80.8





#52

Toluene

Concen: 5.555 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.03 min

Lab File: VD061821.D

Acq: 16 Apr 2019 20:18

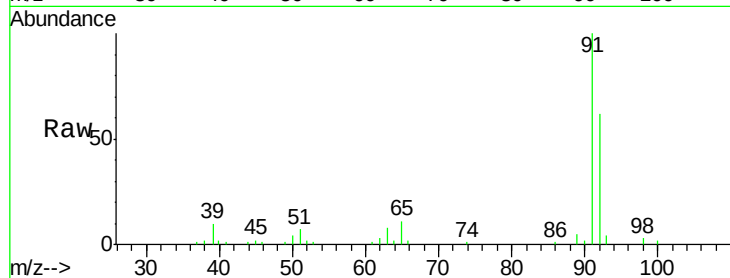
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 61551

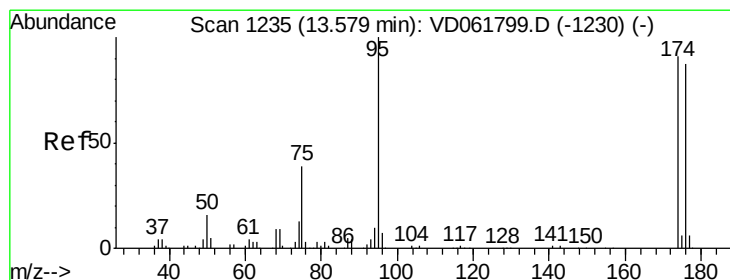
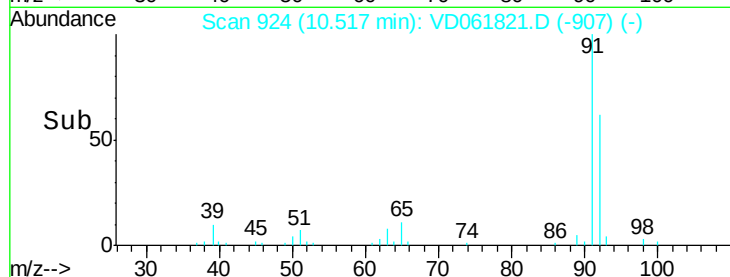
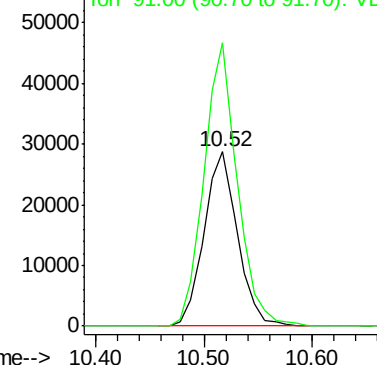
Ion Ratio Lower Upper

92 100

91 162.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD061821.D

Acq: 16 Apr 2019 20:18

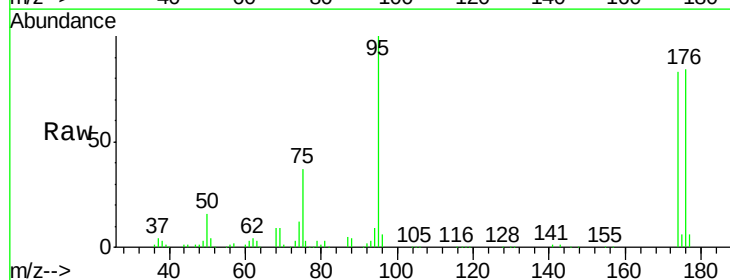
Tgt Ion: 95 Resp: 266972

Ion Ratio Lower Upper

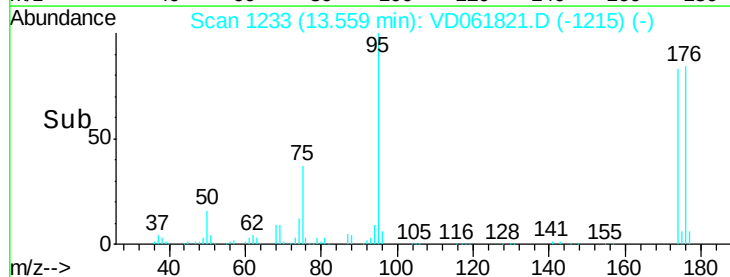
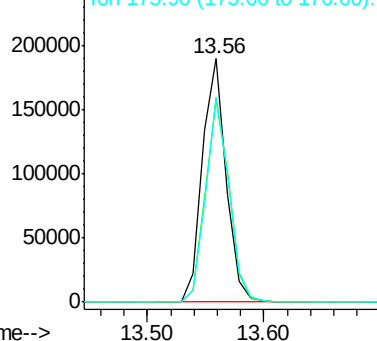
95 100

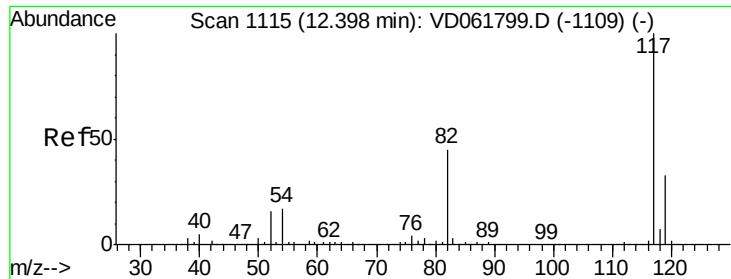
174 83.2 0.0 181.8

176 84.2 0.0 174.4



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

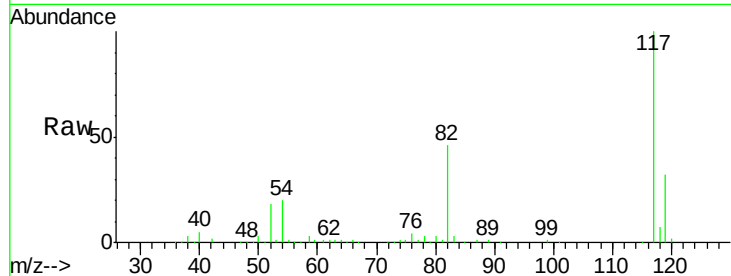




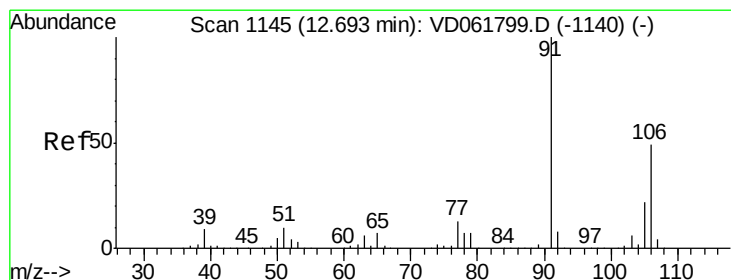
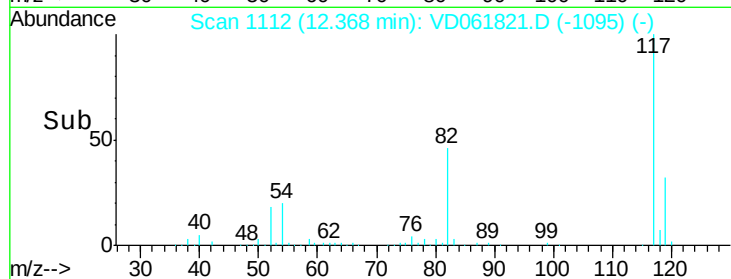
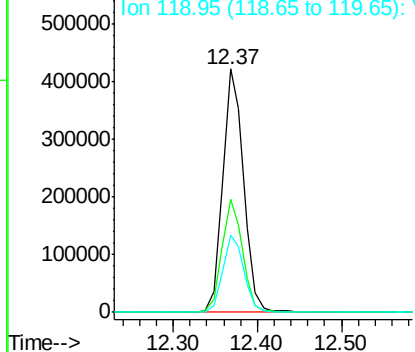
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061821.D
Acq: 16 Apr 2019 20:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 721903
Ion Ratio Lower Upper
117 100
82 46.2 36.2 54.2
119 31.8 26.2 39.4

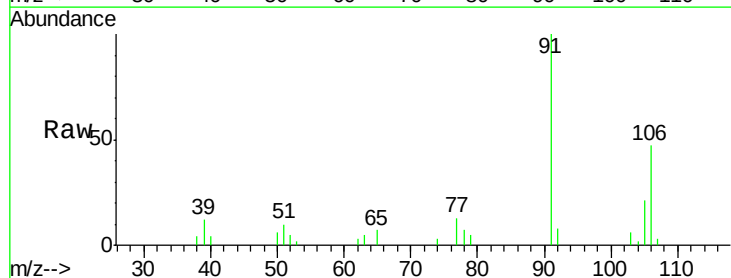


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

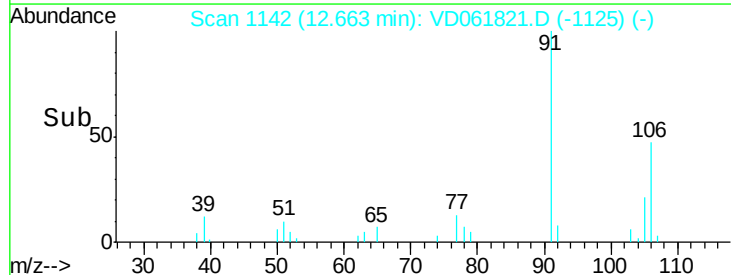
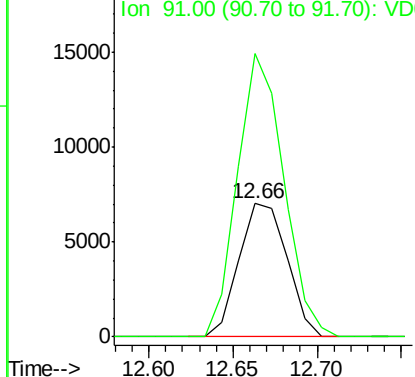


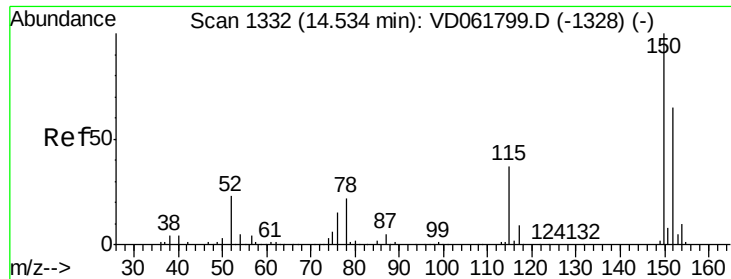
#68
m/p-Xylenes
Concen: 1.717 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VD061821.D
Acq: 16 Apr 2019 20:18

Tgt Ion:106 Resp: 13890
Ion Ratio Lower Upper
106 100
91 212.4 164.0 246.0



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

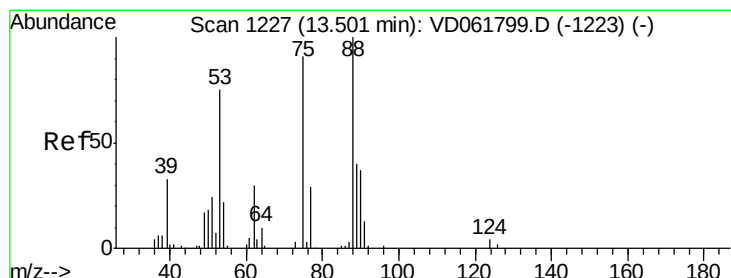
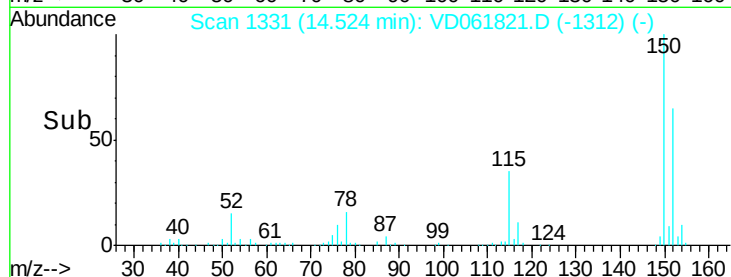
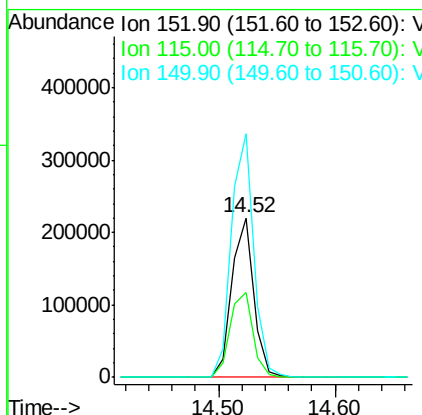
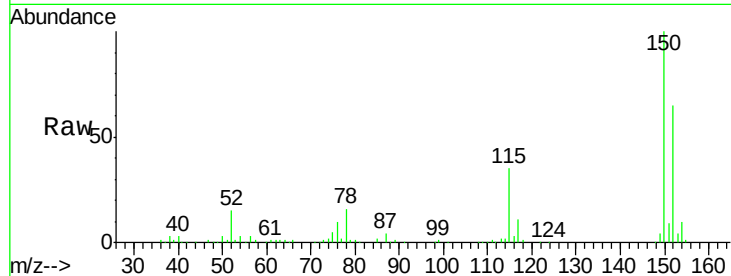




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061821.D
 Acq: 16 Apr 2019 20:18

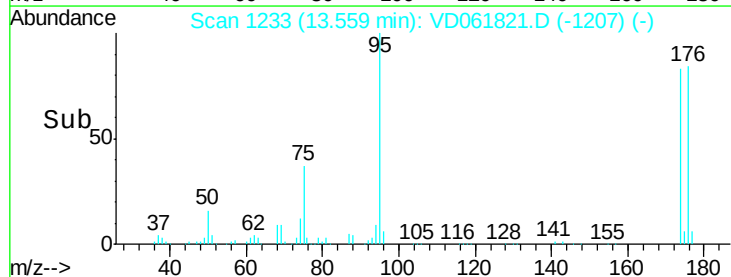
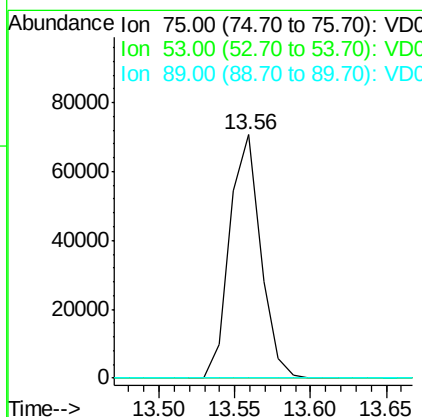
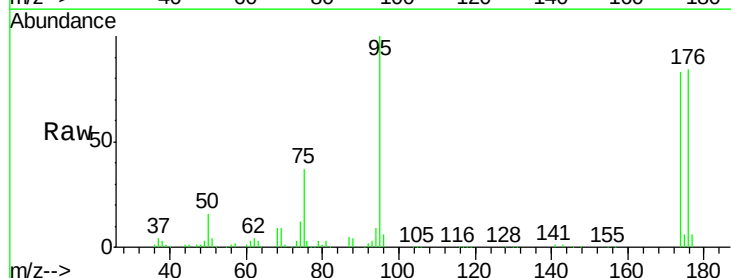
Instrument :
 MSVOA_D
 ClientSampleId :

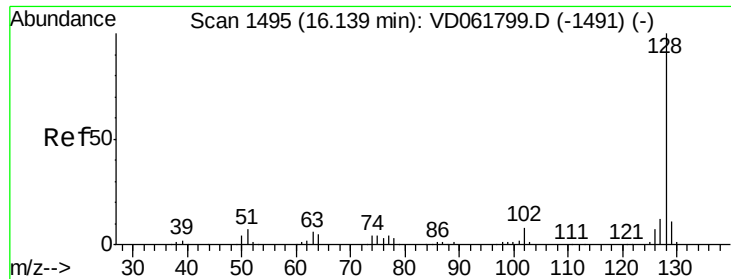
Tot Ion:152 Resp: 288383
 Ion Ratio Lower Upper
 152 100
 115 53.4 30.9 92.7
 150 152.9 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.767 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.06 min
 Lab File: VD061821.D
 Acq: 16 Apr 2019 20:18

Tgt Ion: 75 Resp: 100517
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

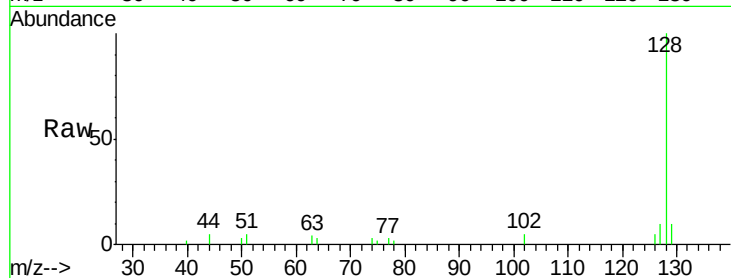




#95
 Naphthalene
 Concen: 2.782 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: VD061821.D
 Acq: 16 Apr 2019 20:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:128 Resp: 18194
 Ion Ratio Lower Upper
 128 100
 127 9.8 9.8 14.8
 129 10.1 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

