

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061595.D
 Acq On : 4 Apr 2019 22:46
 Operator : VA/AP
 Sample : K2230-02
 Misc : 3.68g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 01:41:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

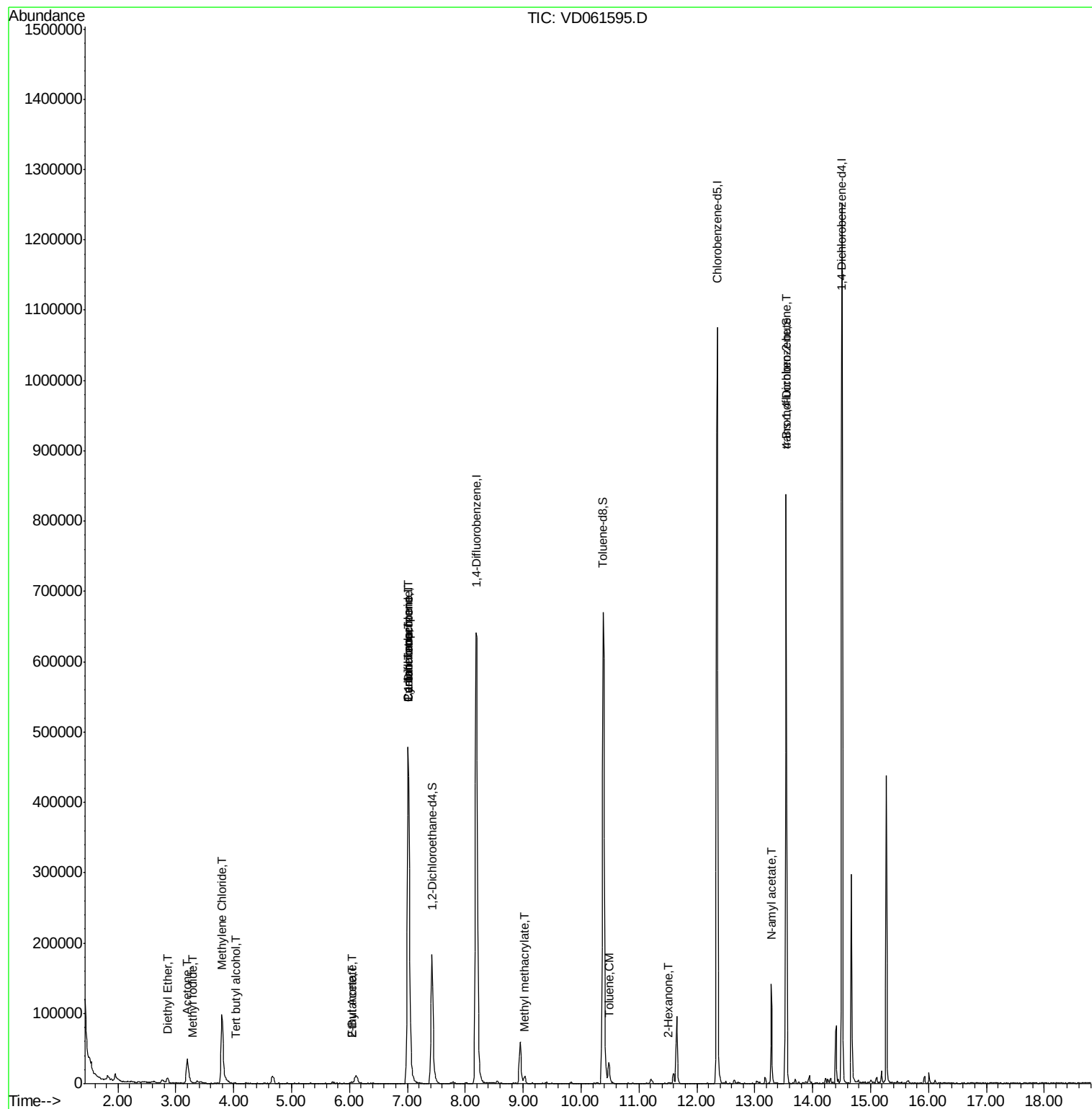
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	496148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	811015	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	689659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	284873	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	185717	43.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.64%	
35) Dibromofluoromethane	7.02	113	183	0.03	ug/l	0.12
Spiked Amount	50.000		Recovery	=	0.06%	
50) Toluene-d8	10.38	98	595892	40.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.18%	
62) 4-Bromofluorobenzene	13.54	95	246442	43.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.46%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.86	74	2696	1.451	ug/l	49
10) Methyl Iodide	3.30	142	252	3.491	ug/l #	38
11) Tert butyl alcohol	4.02	59	1005	3.808	ug/l #	76
16) Acetone	3.19	43	69287	63.594	ug/l	93
20) Methylene Chloride	3.80	84	74280	10.659	ug/l	94
25) 2-Butanone	6.04	43	5686	4.149	ug/l #	54
31) Cyclohexane	7.00	56	8063	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.01	75	37023	5.230	ug/l #	44
37) Ethyl Acetate	6.04	43	5686	1.878	ug/l #	65
38) Carbon Tetrachloride	7.01	117	48261	5.933	ug/l #	15
48) Methyl methacrylate	9.02	41	4458	1.834	ug/l #	39
52) Toluene	10.48	92	14754	1.361	ug/l	91
59) 2-Hexanone	11.51	43	2192	1.129	ug/l	83
74) N-amyl acetate	13.29	43	22152	4.011	ug/l #	3
81) trans-1,4-Dichloro-2-buten	13.54	75	93498	74.519	ug/l #	18

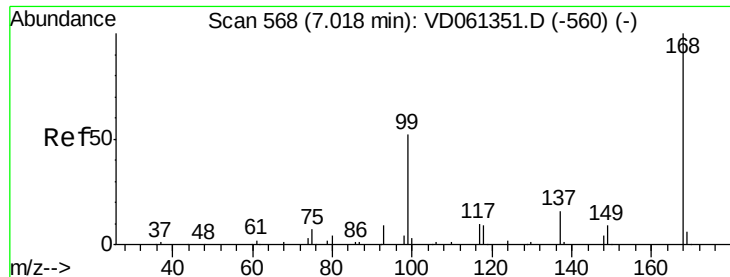
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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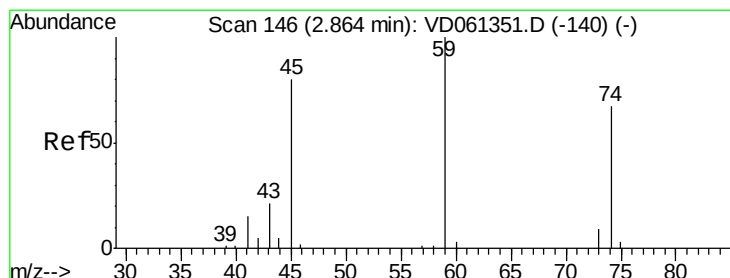
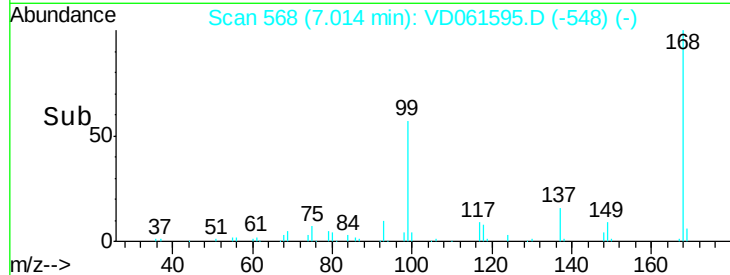
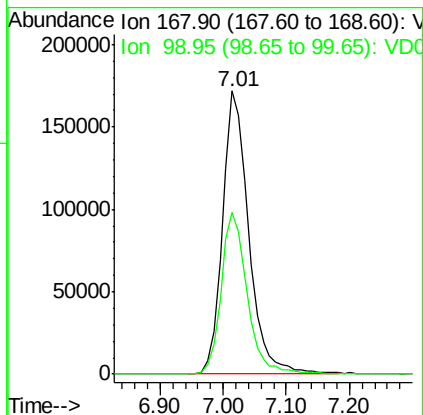
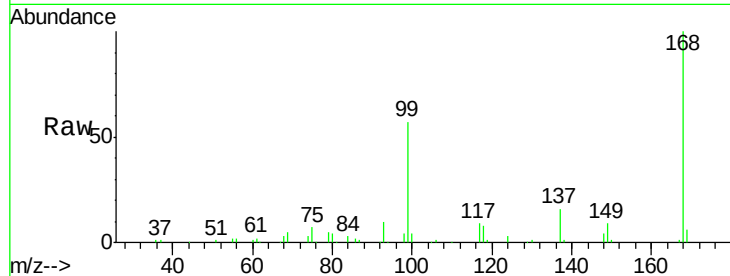




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.01 min Scan# 568
Delta R.T. -0.00 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

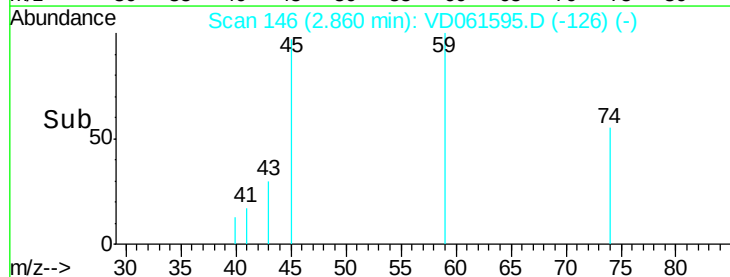
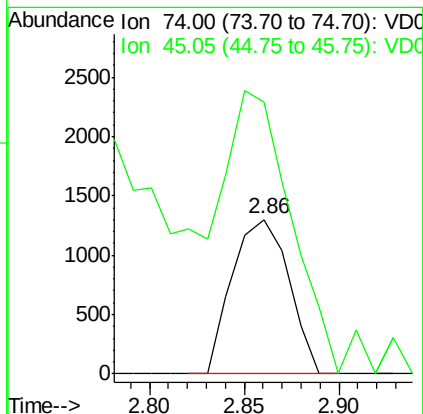
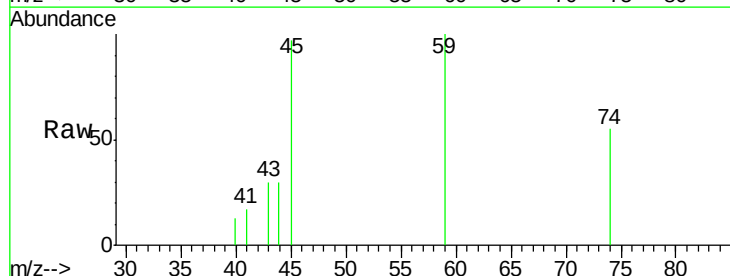
Instrument :
MSVOA_D
ClientSampleId :

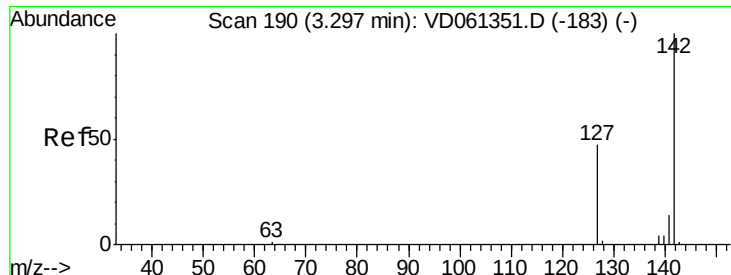
Tot Ion:168 Resp: 496148
Ion Ratio Lower Upper
168 100
99 56.9 43.1 64.7



#8
Diethyl Ether
Concen: 1.451 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.00 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

Tgt Ion: 74 Resp: 2696
Ion Ratio Lower Upper
74 100
45 176.2 59.7 179.1

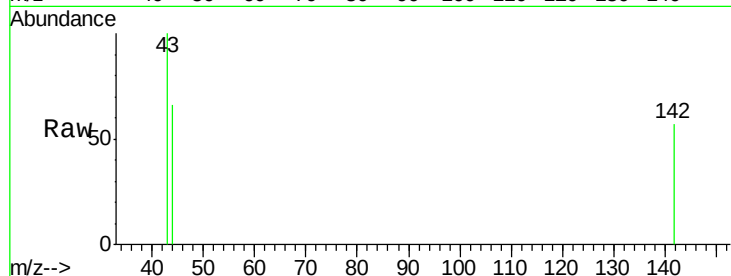




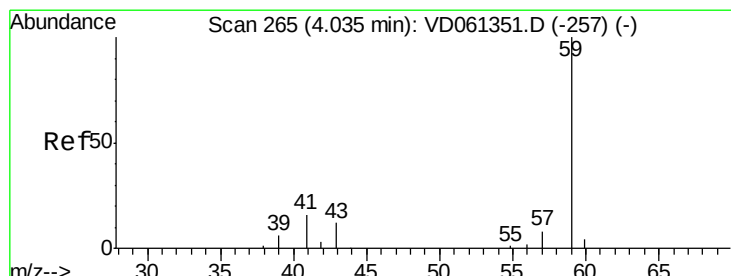
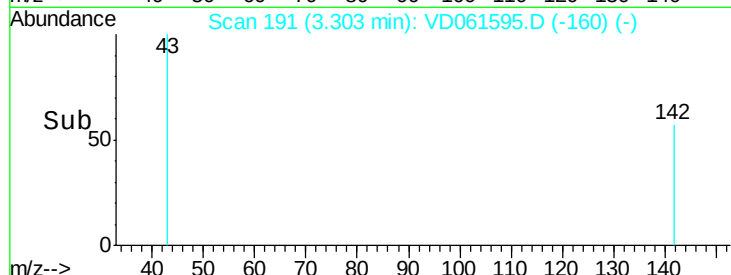
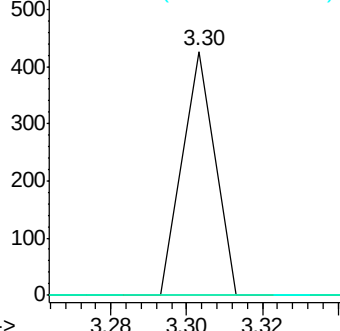
#10
Methyl Iodide
Concen: 3.491 ug/l
RT: 3.30 min Scan# 191
Delta R.T. 0.01 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:142 Resp: 252
Ion Ratio Lower Upper
142 100
127 0.0 37.7 56.5#
141 0.0 11.5 17.3#

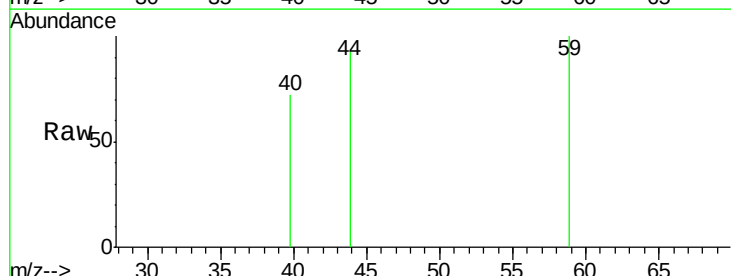


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

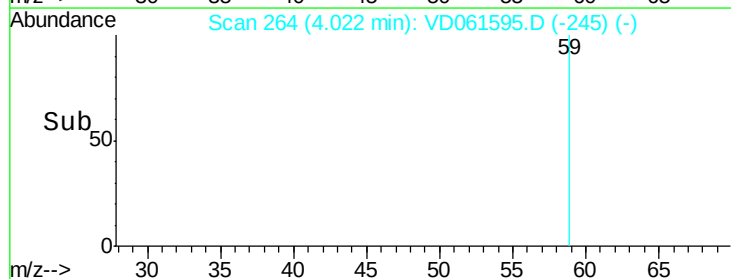
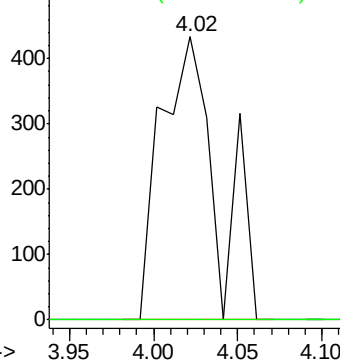


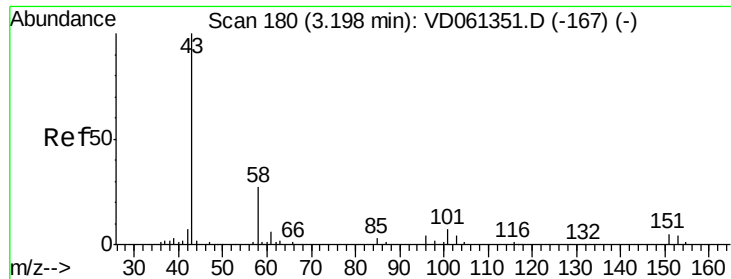
#11
Tert butyl alcohol
Concen: 3.808 ug/l
RT: 4.02 min Scan# 264
Delta R.T. -0.01 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

Tgt Ion: 59 Resp: 1005
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): V
Ion 56.95 (56.65 to 57.65): V

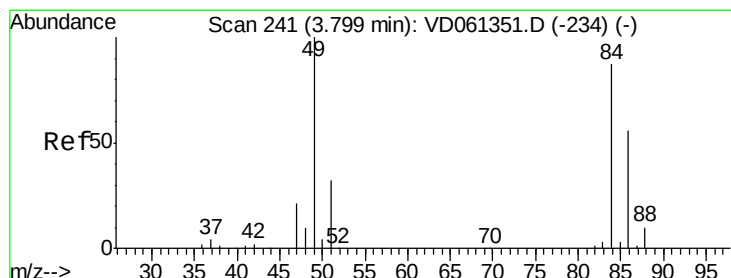
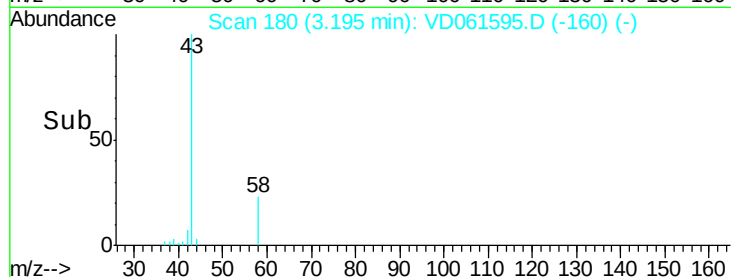
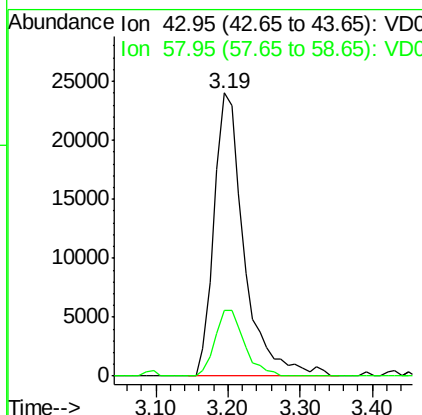
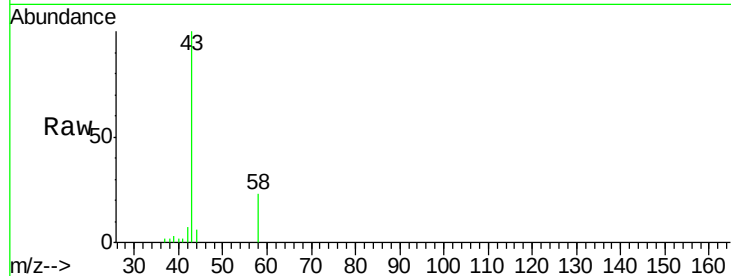




#16
Acetone
Concen: 63.594 ug/l
RT: 3.19 min Scan# 180
Delta R.T. -0.00 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

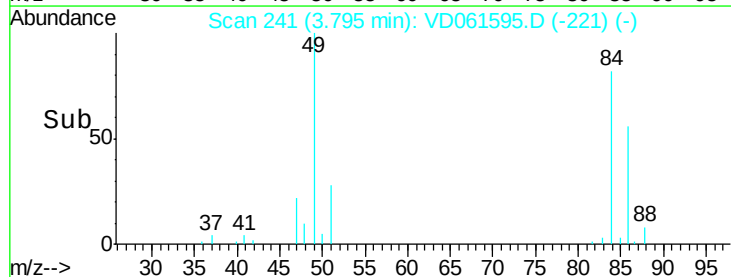
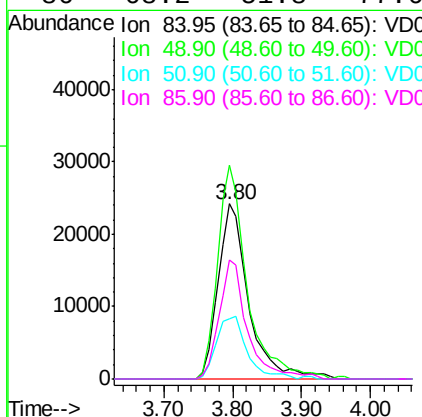
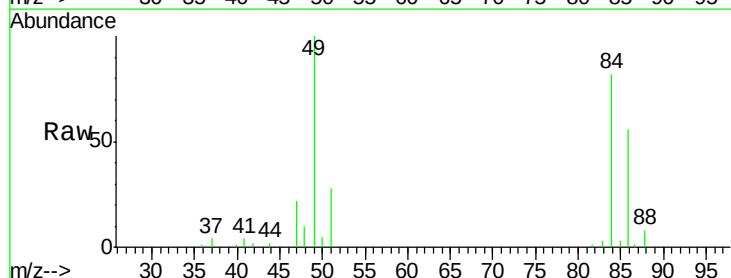
Instrument :
MSVOA_D
ClientSampleId :

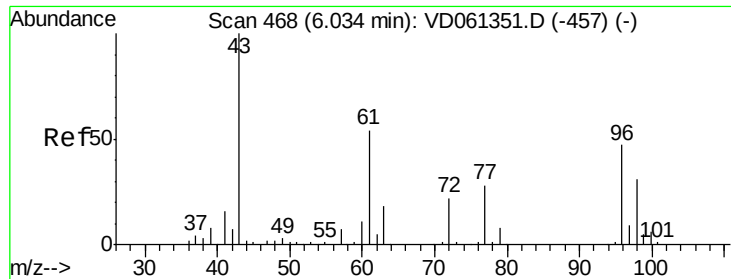
Tot Ion: 43 Resp: 69287
Ion Ratio Lower Upper
43 100
58 23.2 21.5 32.3



#20
Methylene Chloride
Concen: 10.659 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

Tgt Ion: 84 Resp: 74280
Ion Ratio Lower Upper
84 100
49 122.0 91.8 137.8
51 34.5 29.8 44.8
86 68.2 51.8 77.6

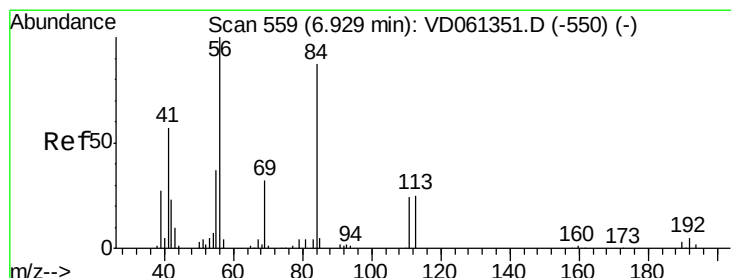
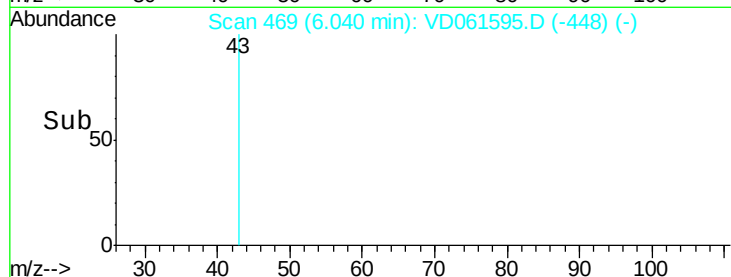
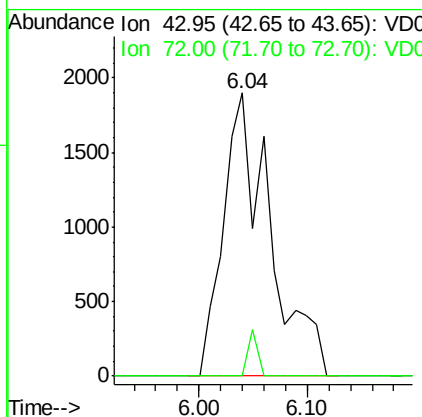
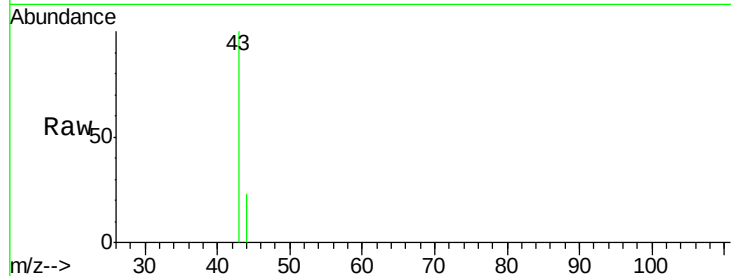




#25
2-Butanone
Concen: 4.149 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.01 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

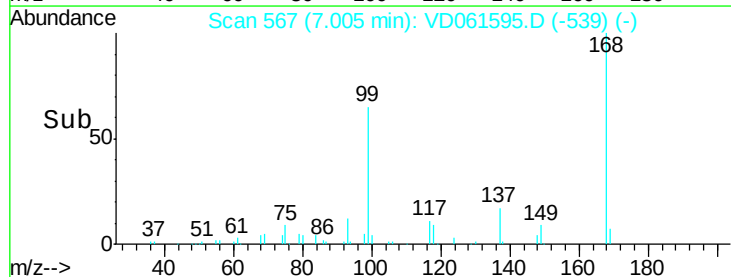
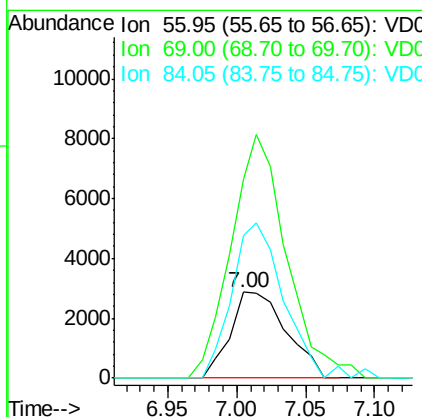
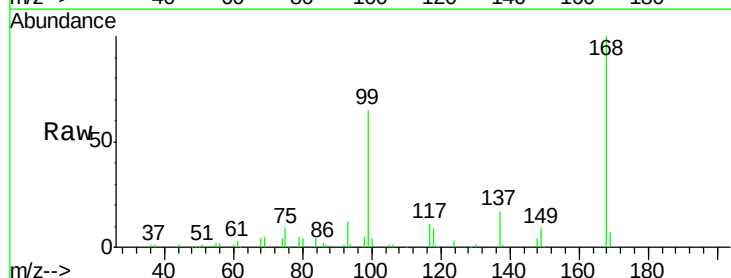
Instrument :
MSVOA_D
ClientSampleId :

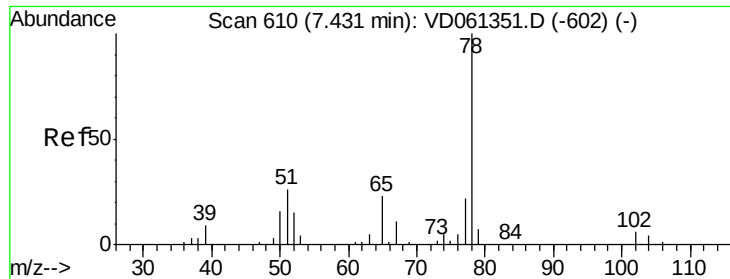
Tot Ion: 43 Resp: 5686
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#



#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.00 min Scan# 567
Delta R.T. 0.08 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

Tgt Ion: 56 Resp: 8063
Ion Ratio Lower Upper
56 100
69 231.6 25.7 38.5#
84 166.0 70.6 105.8#

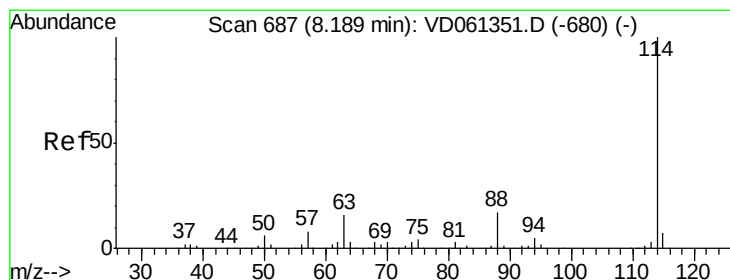
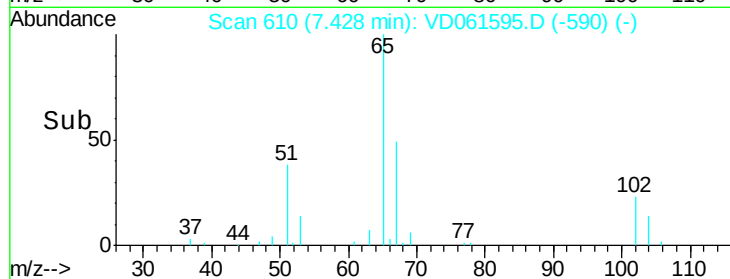
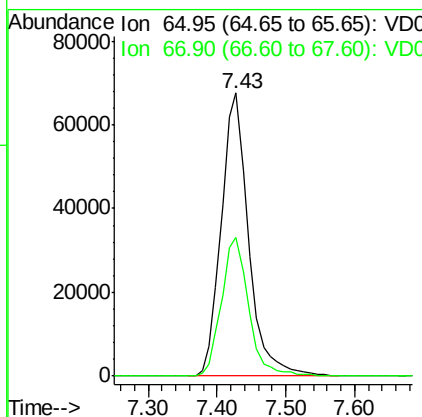
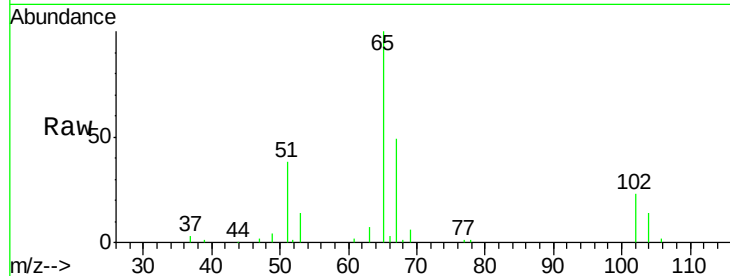




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VD061595.D
 Acq: 4 Apr 2019 22:46

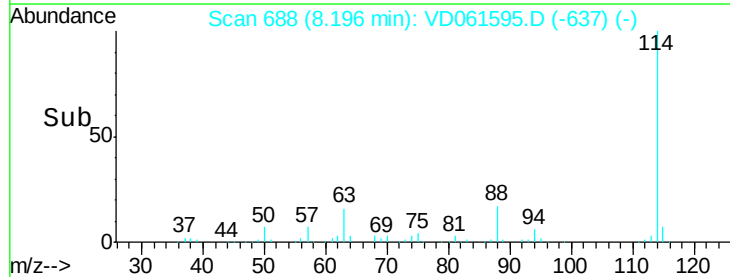
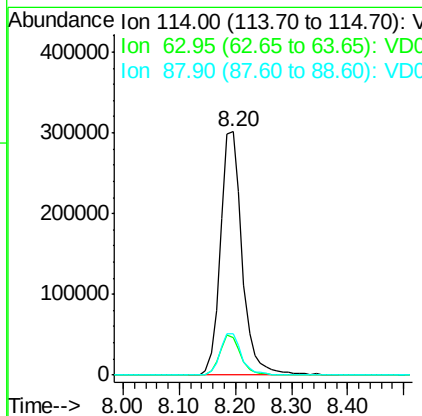
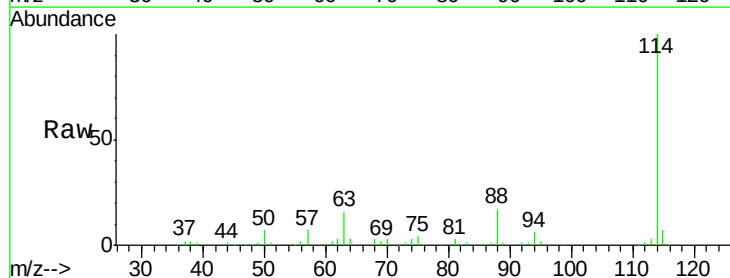
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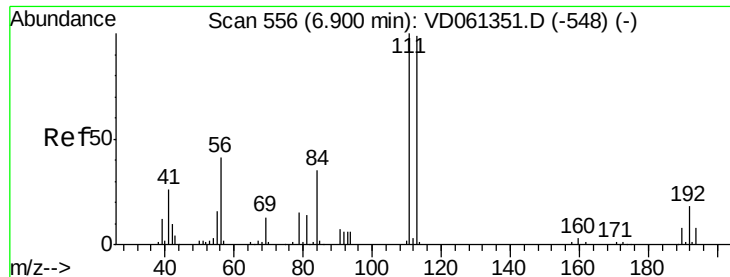
Tot Ion: 65 Resp: 185717
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD061595.D
 Acq: 4 Apr 2019 22:46

Tgt Ion: 114 Resp: 811015
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.6
 88 17.1 0.0 33.4

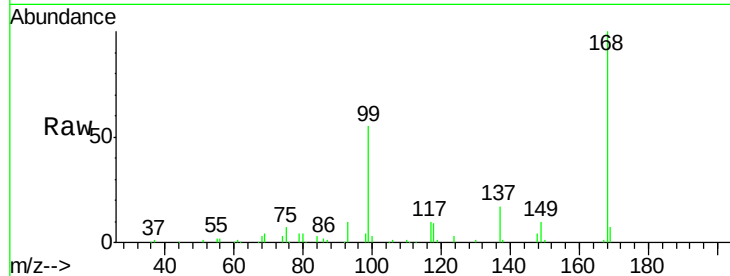




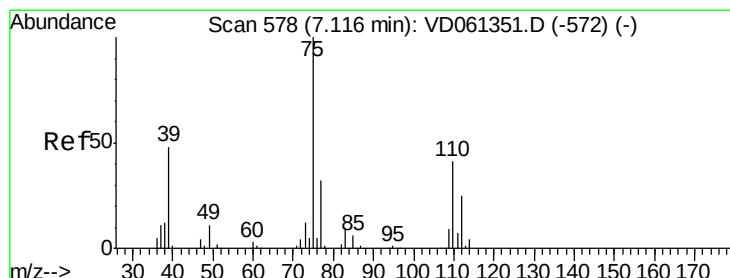
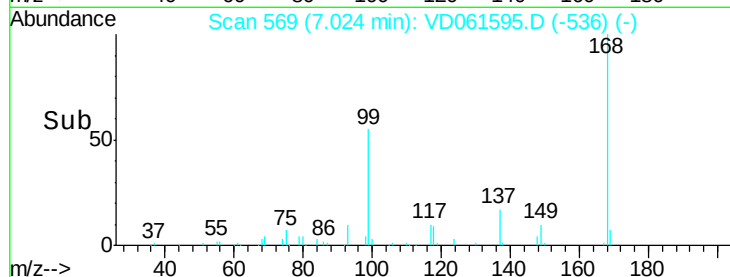
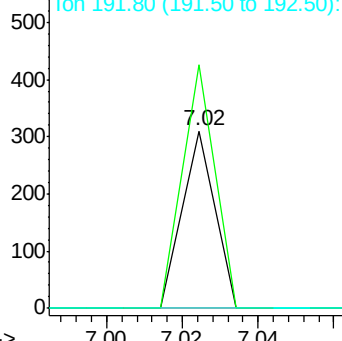
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. 0.12 min
 Lab File: VD061595.D
 Acq: 4 Apr 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 183
 Ion Ratio Lower Upper
 113 100
 111 137.4 81.0 121.6#
 192 0.0 14.4 21.6#

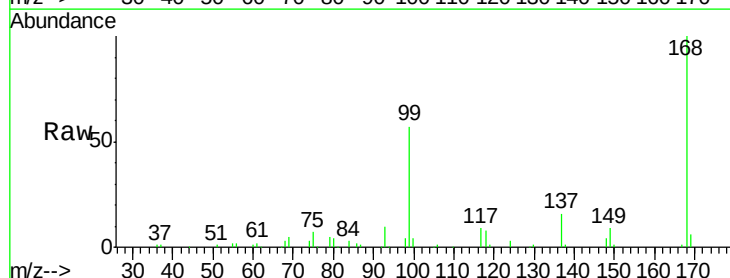


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

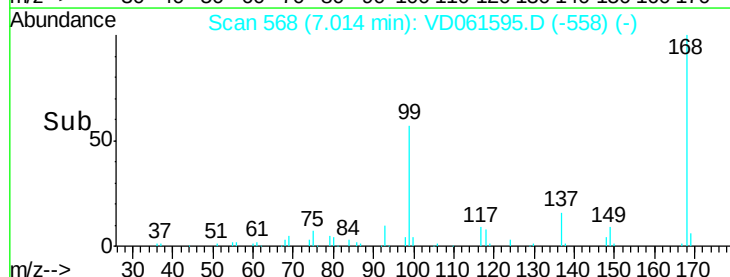
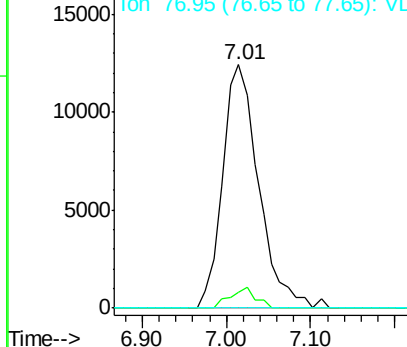


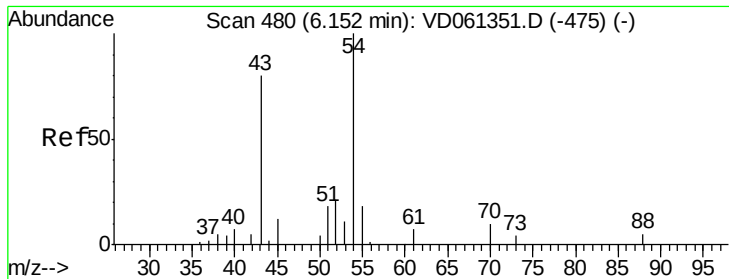
#36
 1,1-Dichloropropene
 Concen: 5.230 ug/l
 RT: 7.01 min Scan# 568
 Delta R.T. -0.10 min
 Lab File: VD061595.D
 Acq: 4 Apr 2019 22:46

Tgt Ion: 75 Resp: 37023
 Ion Ratio Lower Upper
 75 100
 110 6.5 20.4 61.3#
 77 0.0 24.9 37.3#



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





#37

Ethyl Acetate

Concen: 1.878 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.11 min

Lab File: VD061595.D

Acq: 4 Apr 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

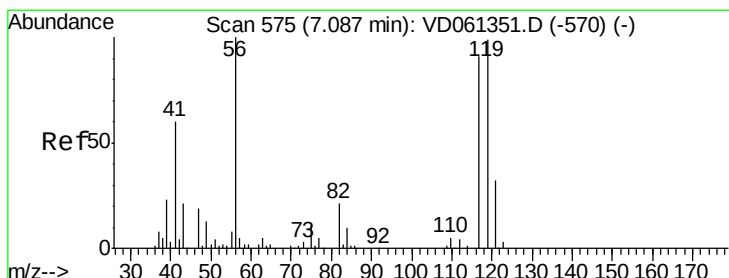
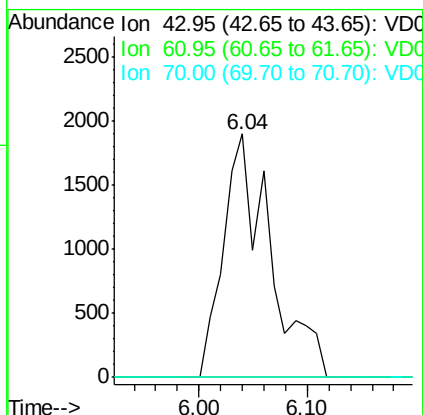
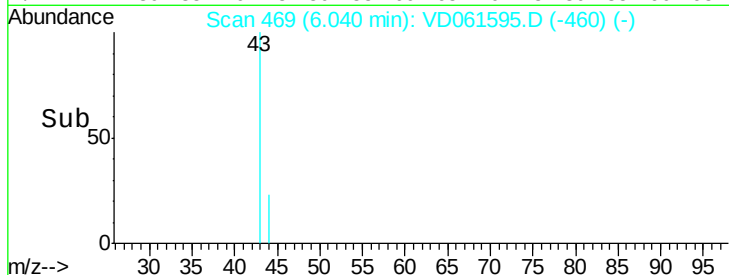
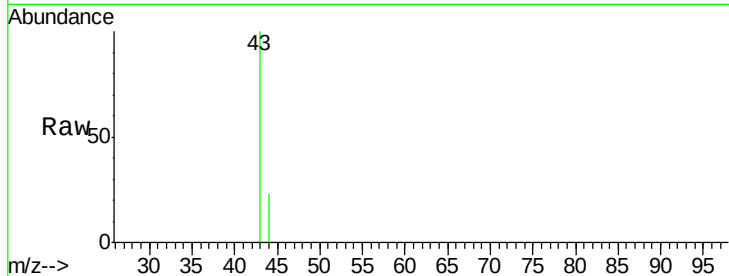
Tot Ion: 43 Resp: 5686

Ion Ratio Lower Upper

43 100

61 0.0 13.8 20.8#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.933 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.07 min

Lab File: VD061595.D

Acq: 4 Apr 2019 22:46

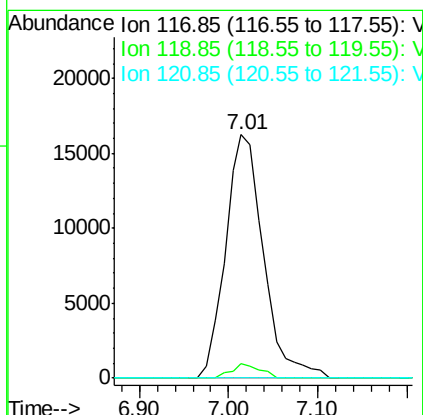
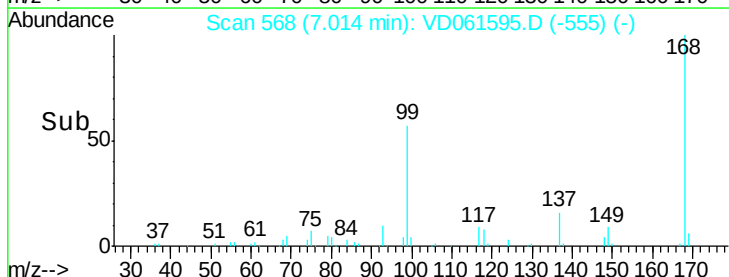
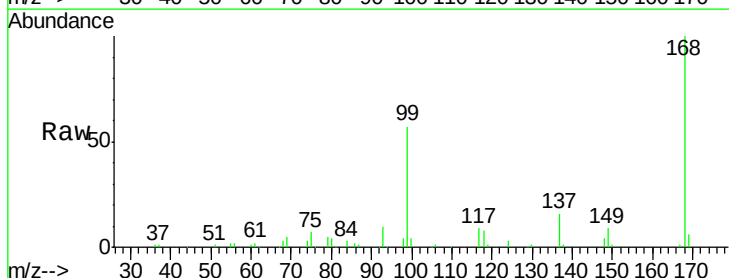
Tgt Ion: 117 Resp: 48261

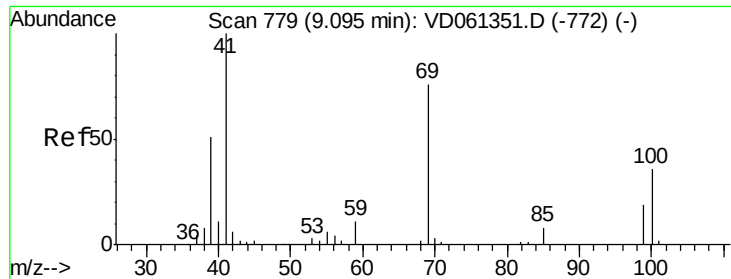
Ion Ratio Lower Upper

117 100

119 6.0 80.1 120.1#

121 0.0 25.6 38.4#

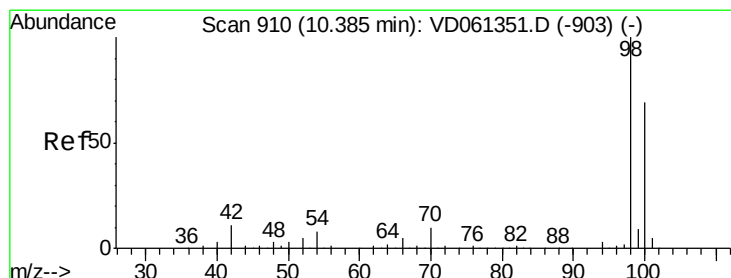
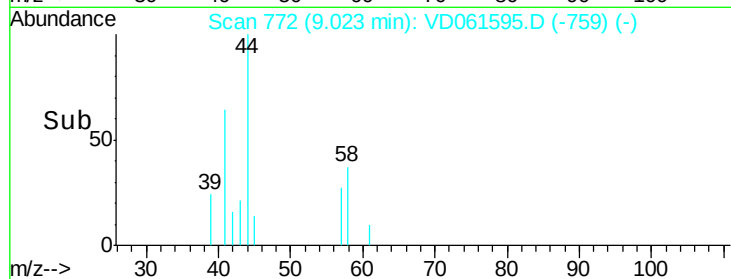
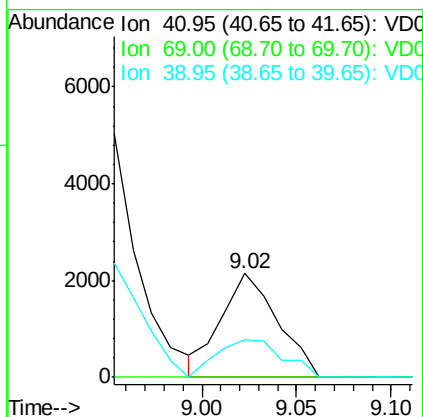
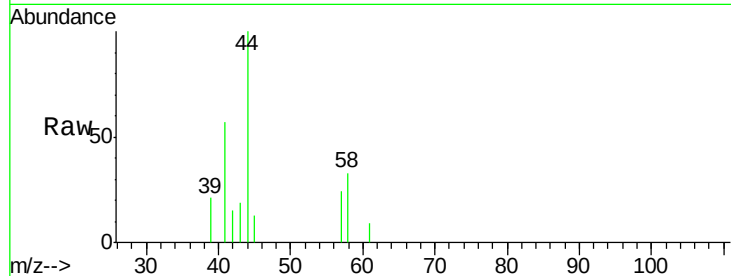




#48
Methyl methacrylate
Concen: 1.834 ug/l
RT: 9.02 min Scan# 772
Delta R.T. -0.07 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

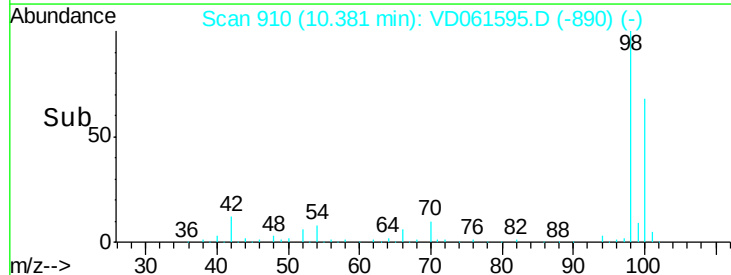
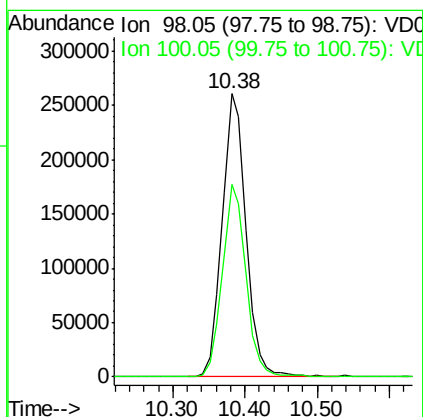
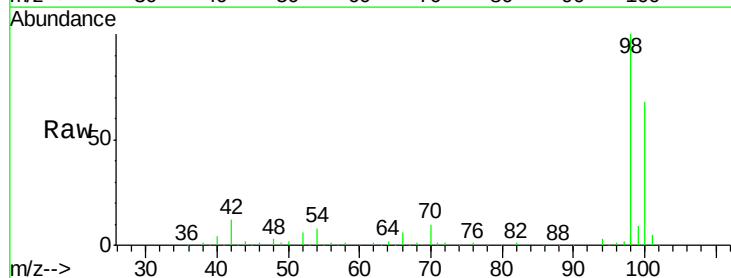
Instrument :
MSVOA_D
ClientSampleId :

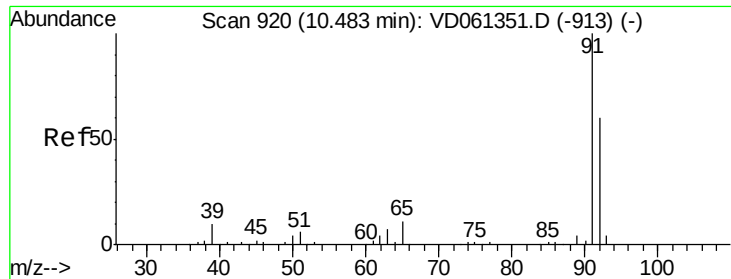
Tot Ion: 41 Resp: 4458
Ion Ratio Lower Upper
41 100
69 0.0 60.2 90.4#
39 36.6 41.4 62.2#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.00 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

Tgt Ion: 98 Resp: 595892
Ion Ratio Lower Upper
98 100
100 68.1 56.2 84.2





#52

Toluene

Concen: 1.361 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.00 min

Lab File: VD061595.D

Acq: 4 Apr 2019 22:46

Instrument :

MSVOA_D

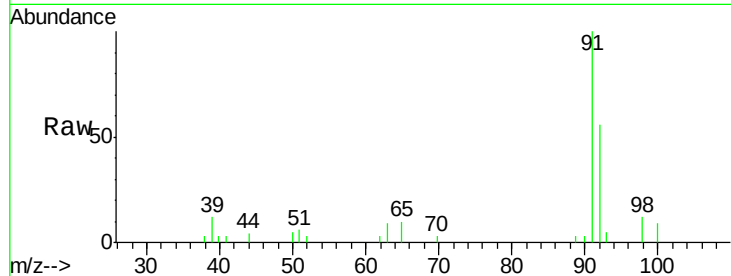
ClientSampled :

Tot Ion: 92 Resp: 14754

Ion Ratio Lower Upper

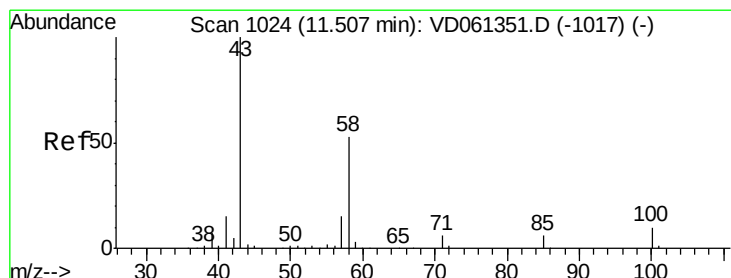
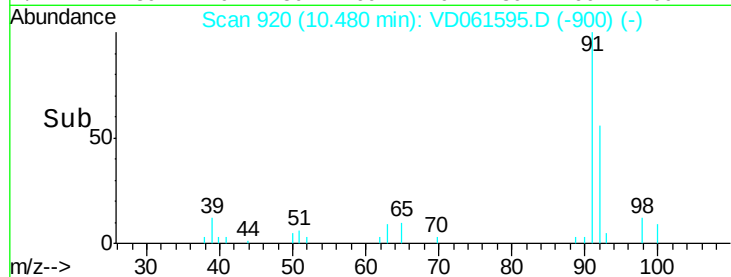
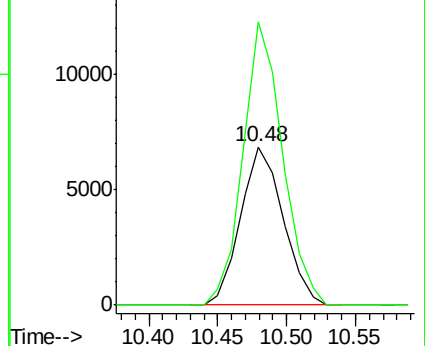
92 100

91 179.2 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#59

2-Hexanone

Concen: 1.129 ug/l

RT: 11.51 min Scan# 1025

Delta R.T. 0.01 min

Lab File: VD061595.D

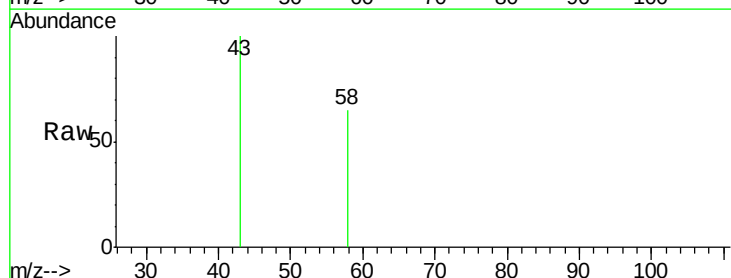
Acq: 4 Apr 2019 22:46

Tgt Ion: 43 Resp: 2192

Ion Ratio Lower Upper

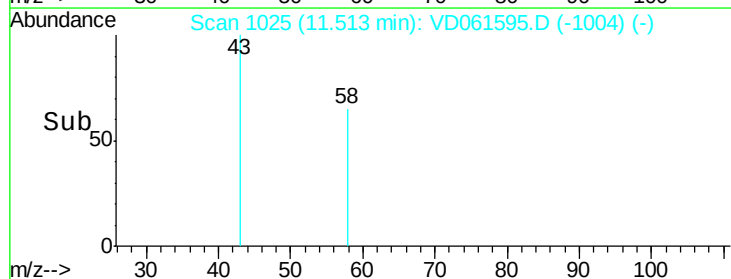
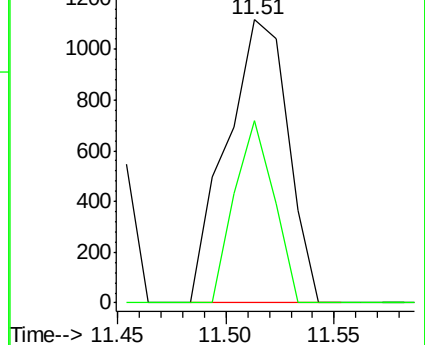
43 100

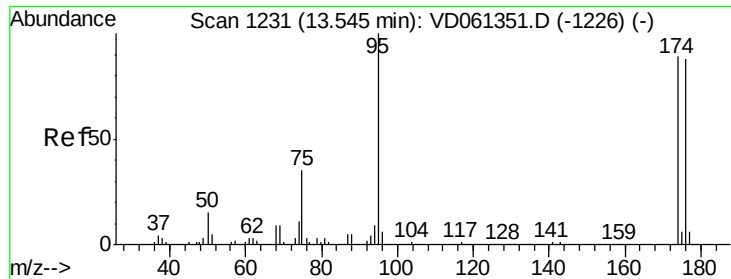
58 64.5 26.3 78.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

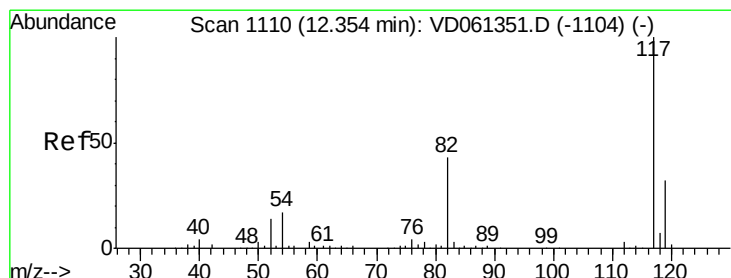
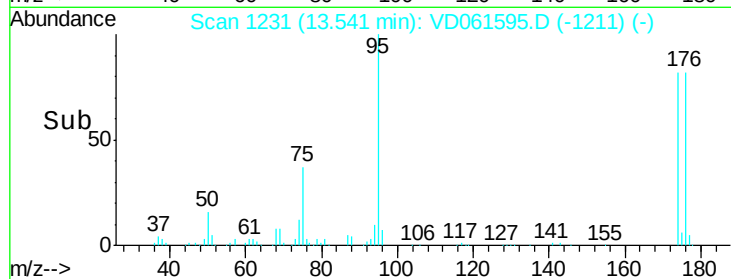
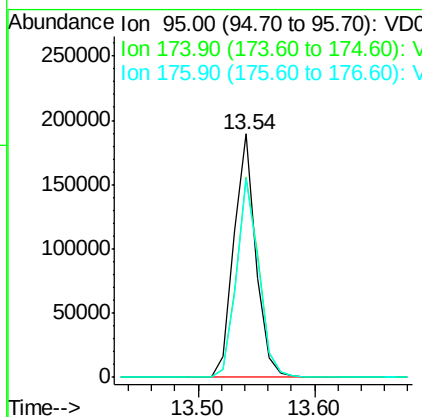
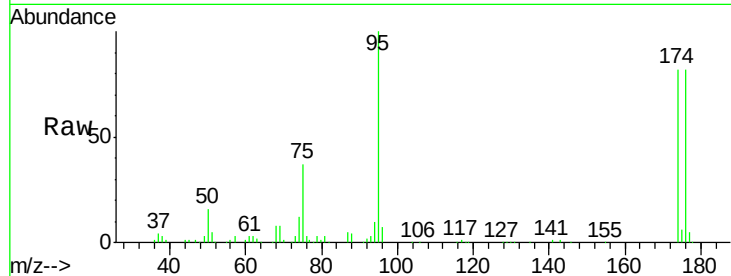




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

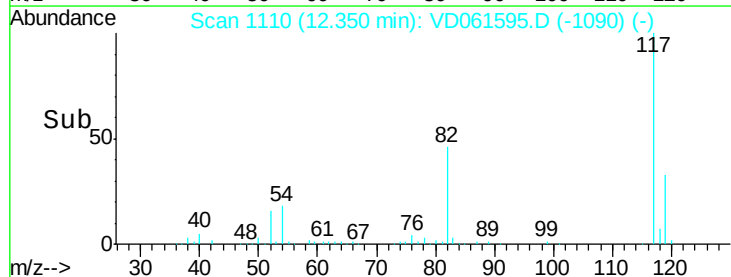
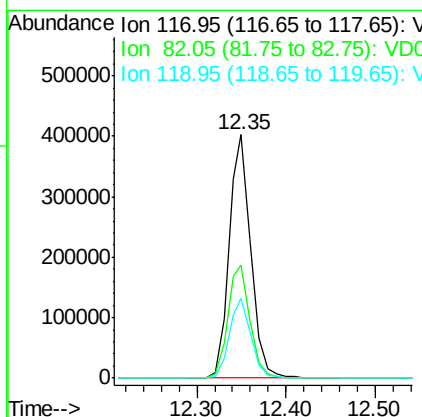
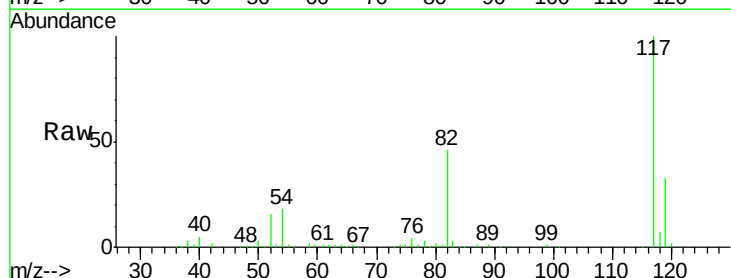
Instrument :
MSVOA_D
ClientSampleId :

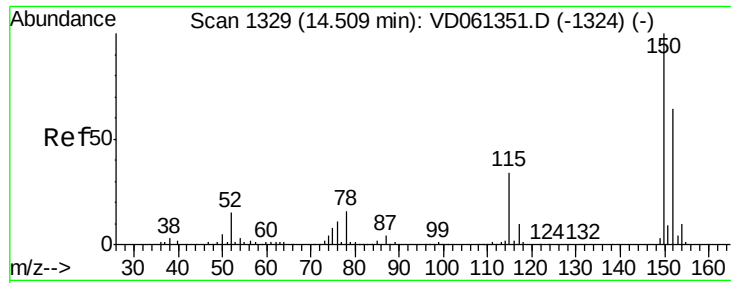
Tot Ion: 95 Resp: 246442
Ion Ratio Lower Upper
95 100
174 82.2 0.0 178.0
176 81.9 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

Tgt Ion: 117 Resp: 689659
Ion Ratio Lower Upper
117 100
82 46.5 34.4 51.6
119 32.8 25.8 38.6



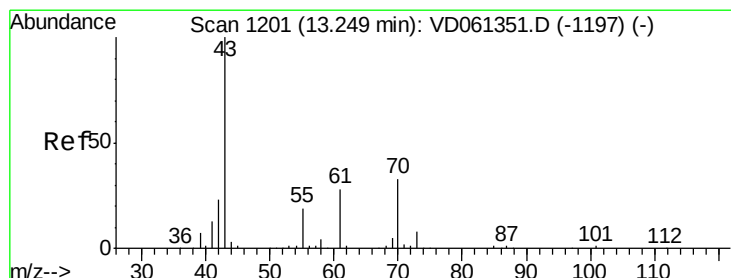
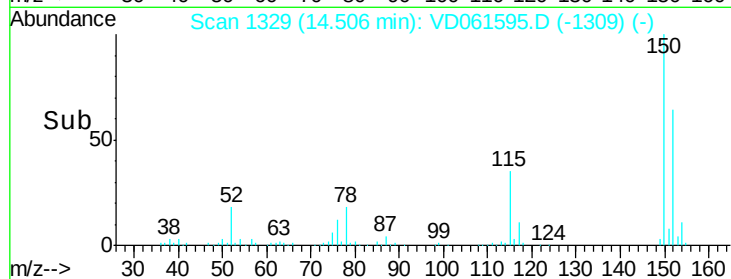
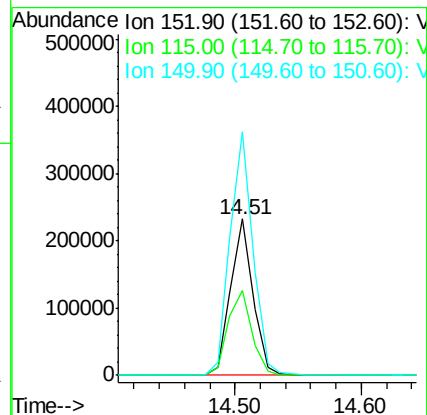
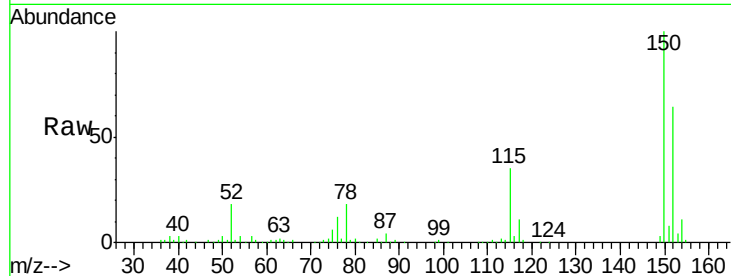


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

Instrument :
MSVOA_D
ClientSampled :

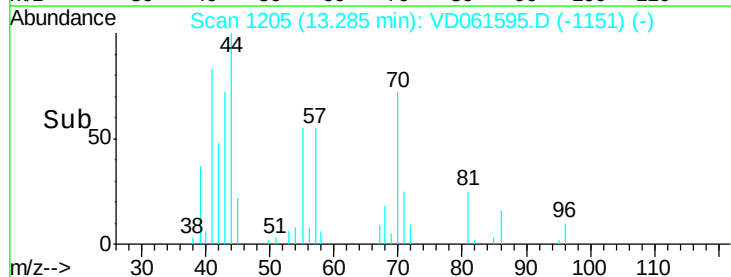
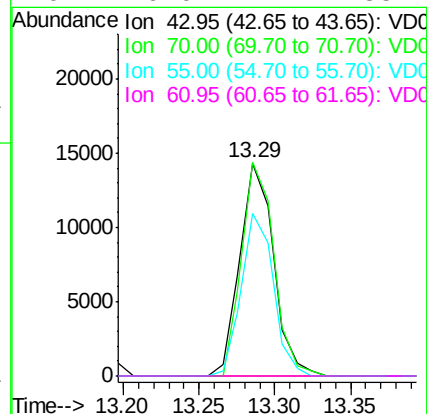
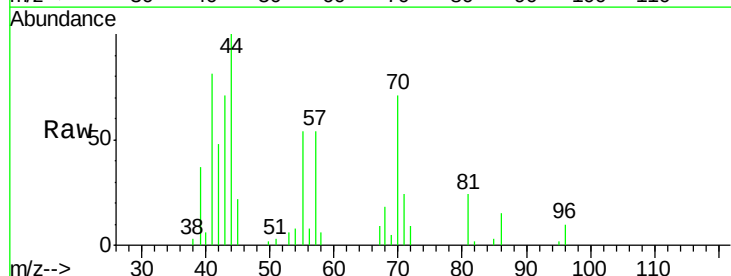
Tot Ion:152 Resp: 284873
Ion Ratio Lower Upper
152 100
115 54.6 26.9 80.6
150 155.7 0.0 318.0

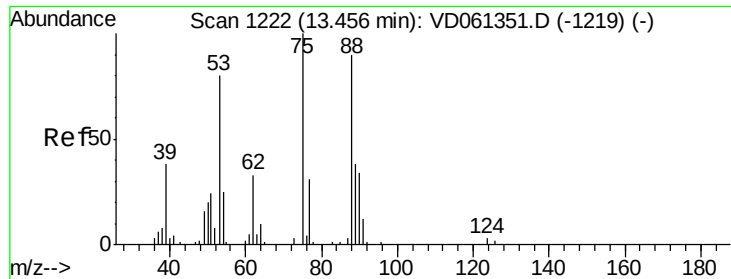


#74

N-amil acetate
Concen: 4.011 ug/l
RT: 13.29 min Scan# 1205
Delta R.T. 0.04 min
Lab File: VD061595.D
Acq: 4 Apr 2019 22:46

Tgt Ion: 43 Resp: 22152
Ion Ratio Lower Upper
43 100
70 100.3 26.6 40.0#
55 76.2 15.4 23.2#
61 0.0 22.2 33.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 74.519 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.09 min

Lab File: VD061595.D

Acq: 4 Apr 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

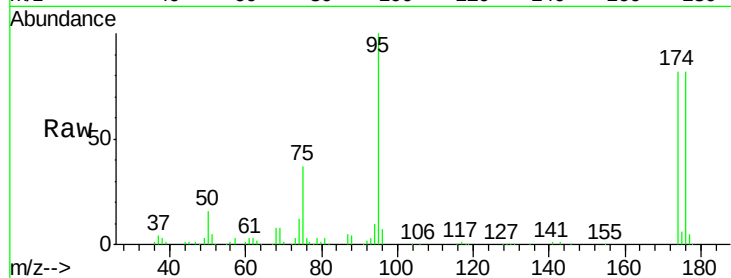
Tot Ion: 75 Resp: 93498

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

