

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061033.D
 Acq On : 16 Apr 2020 23:29
 Operator : JC/MD
 Sample : L2307-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Quant Time: Apr 17 04:03:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	152658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	261535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	245372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110518	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	103019	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
35) Dibromofluoromethane	7.56	113	78302	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
50) Toluene-d8	10.08	98	327574	56.76	ug/l	0.00
Spiked Amount			Recovery	=	113.52%	
62) 4-Bromofluorobenzene	12.39	95	122794	54.29	ug/l	0.00
Spiked Amount			Recovery	=	108.58%	

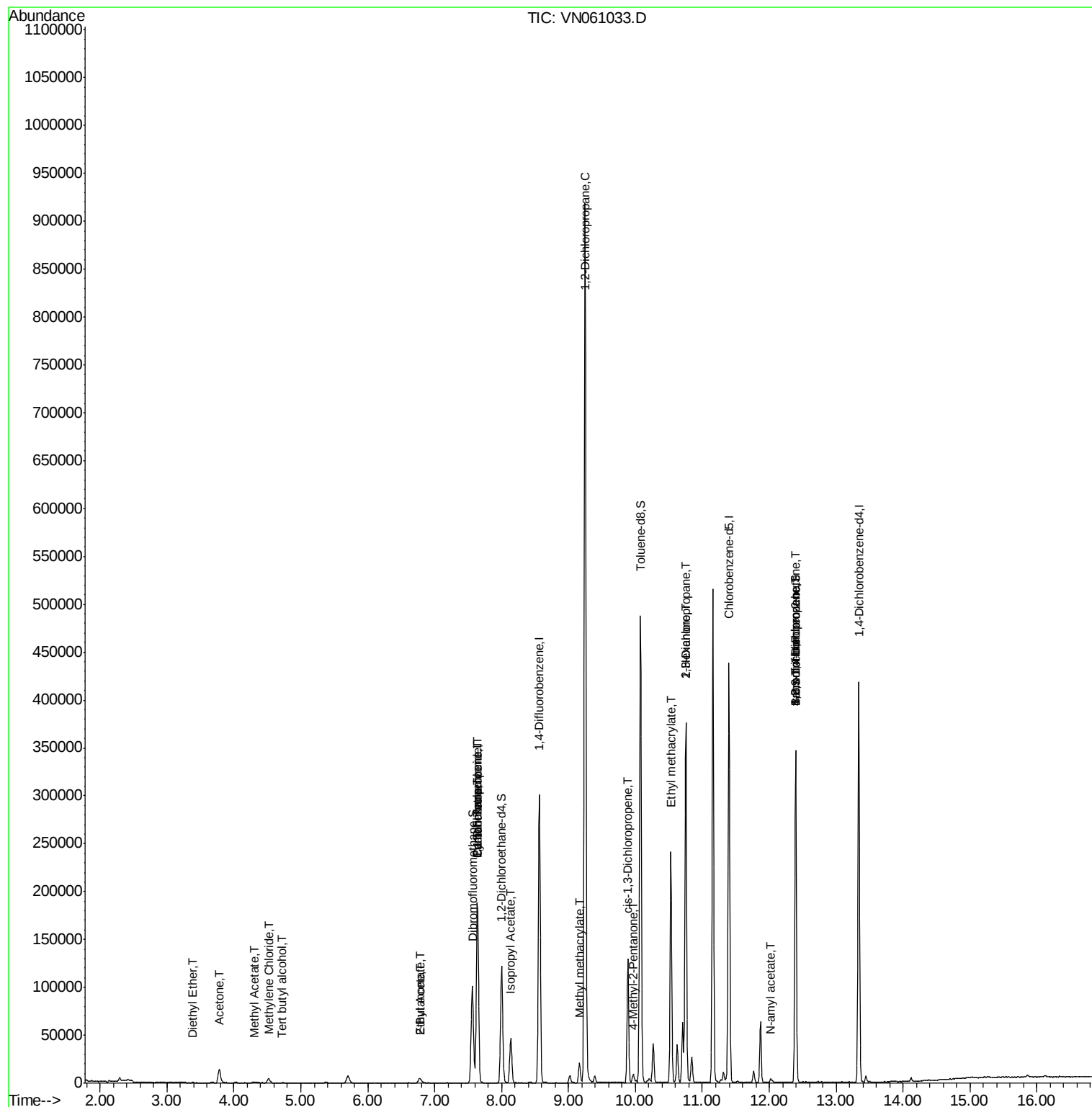
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.38	74	279	0.251	ug/l	89
11) Tert butyl alcohol	4.71	59	228	0.658	ug/l #	73
16) Acetone	3.78	43	25064	29.155	ug/l	99
18) Methyl Acetate	4.30	43	1885	0.699	ug/l #	54
20) Methylene Chloride	4.52	84	3401	1.812	ug/l	92
25) 2-Butanone	6.80	43	3800	2.885	ug/l	99
31) Cyclohexane	7.63	56	3395	0.933	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12852	4.762	ug/l #	48
37) Ethyl Acetate	6.80	43	3800	1.297	ug/l #	69
38) Carbon Tetrachloride	7.63	117	14929	6.646	ug/l #	15
43) Isopropyl Acetate	8.14	43	56380	11.830	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	1041	0.481	ug/l #	43
48) Methyl methacrylate	9.16	41	3226	1.532	ug/l #	14
51) 4-Methyl-2-Pentanone	9.97	43	6951	2.530	ug/l	98
54) cis-1,3-Dichloropropene	9.89	75	22649	6.785	ug/l #	61
56) Ethyl methacrylate	10.53	69	577	0.202	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	3584	1.105	ug/l #	43
59) 2-Hexanone	10.75	43	57249	28.893	ug/l #	52
71) Bromoform	12.40	173	480	0.355	ug/l #	1
74) N-amyl acetate	12.02	43	3240	0.787	ug/l #	46
76) 1,2,3-Trichloropropane	12.39	75	62063	25.530	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	62063	62.973	ug/l #	12

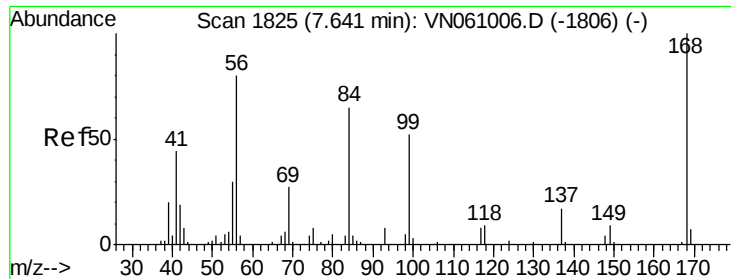
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Apr 17 04:03:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration

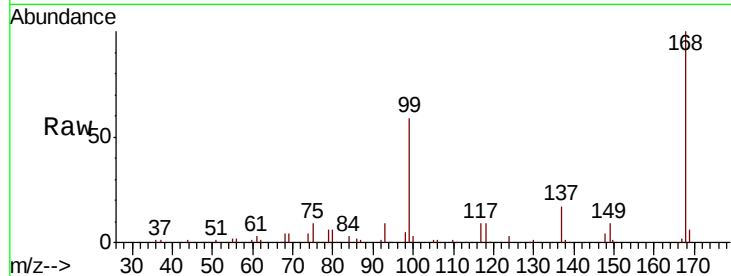




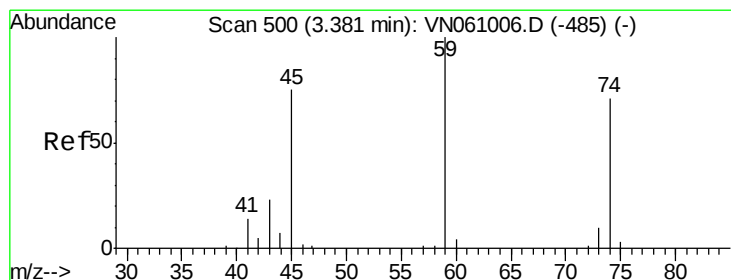
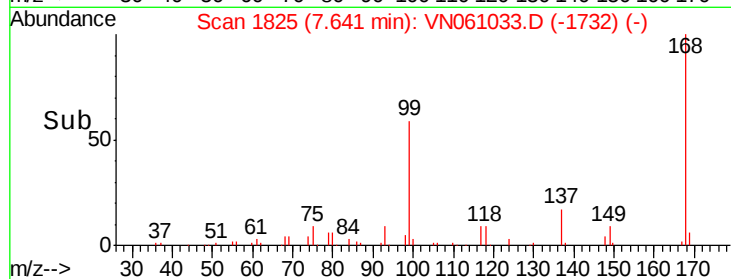
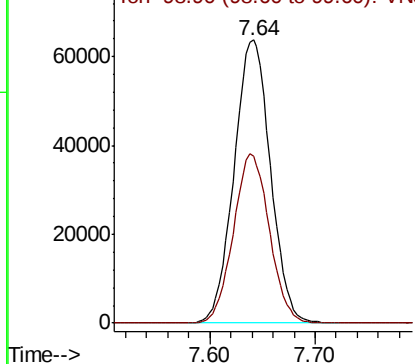
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

Instrument :
MSVOA_N
ClientSampled :
TP-10

Tot Ion:168 Resp: 152658
Ion Ratio Lower Upper
168 100
99 58.8 47.4 71.2

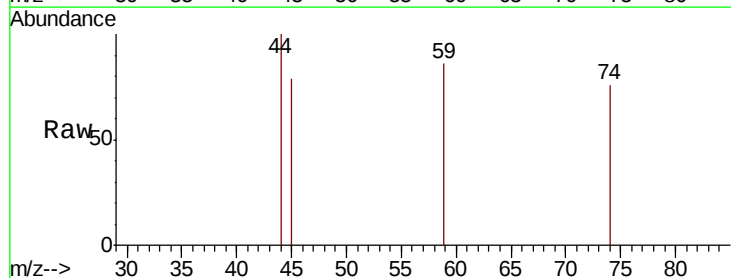


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN

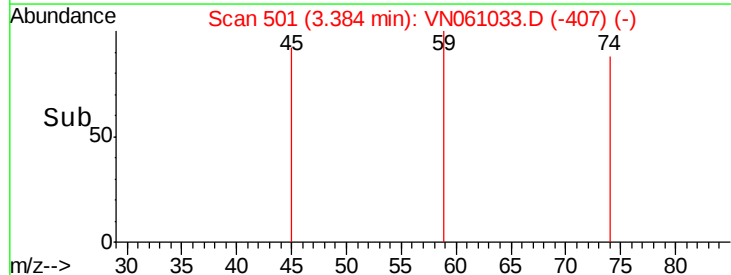
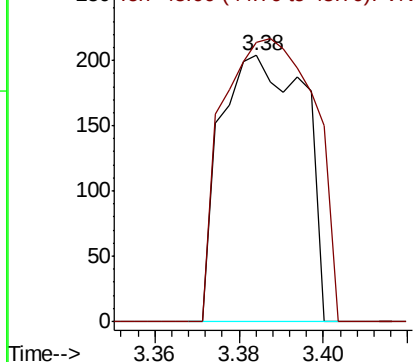


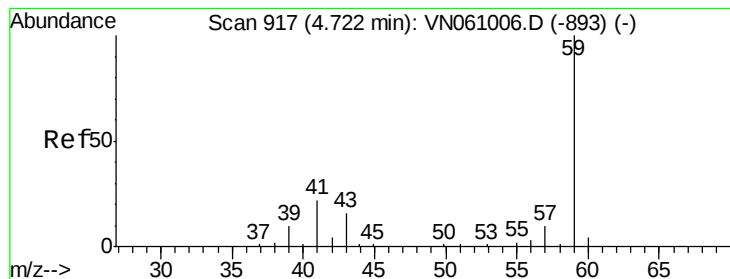
#8
Diethyl Ether
Concen: 0.251 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

Tgt Ion: 74 Resp: 279
Ion Ratio Lower Upper
74 100
45 117.2 52.9 158.8



Abundance Ion 74.00 (73.70 to 74.70): VN
250 Ion 45.00 (44.70 to 45.70): VN



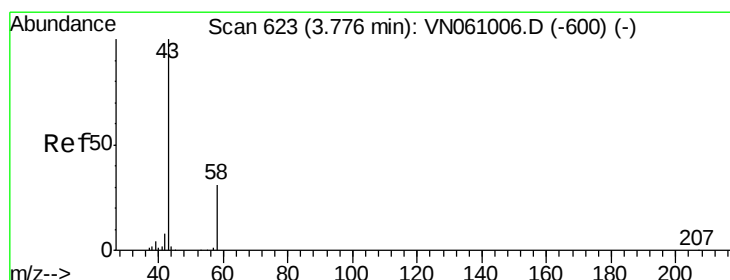
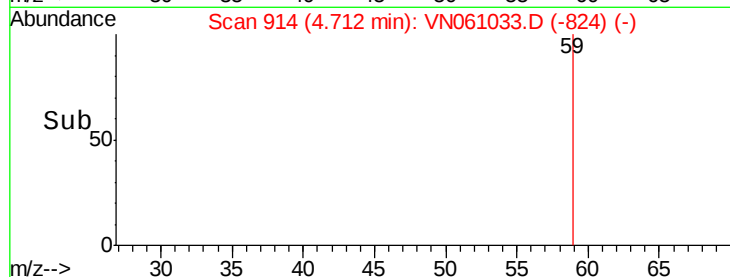
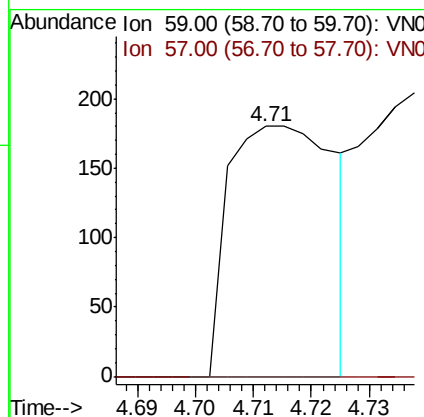
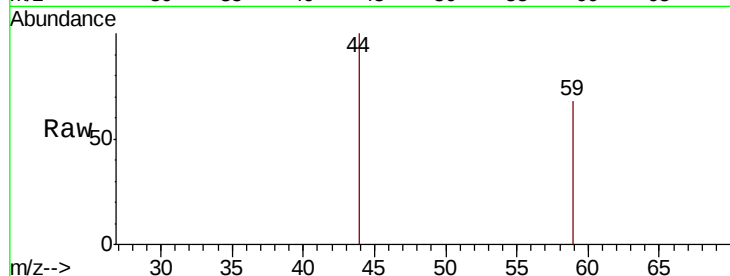


#11

Tert butyl alcohol
 Concen: 0.658 ug/l
 RT: 4.71 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VN061033.D
 Acq: 16 Apr 2020 23:29

Instrument :
 MSVOA_N
 ClientSampled :
 TP-10

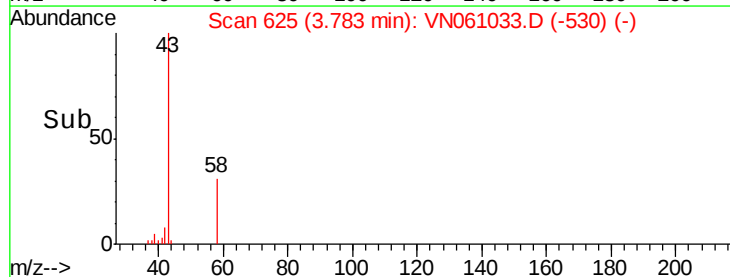
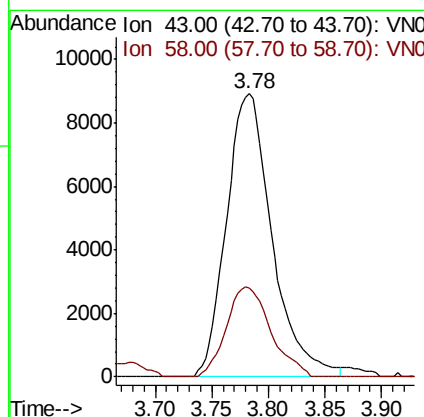
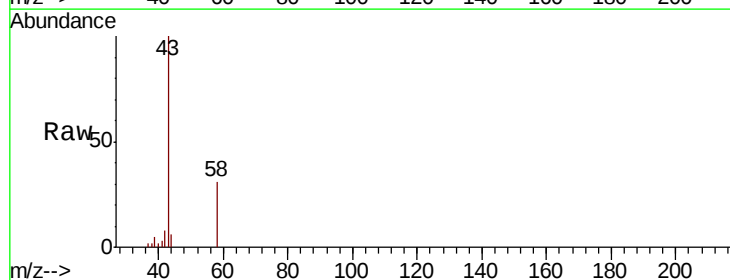
Tot Ion: 59 Resp: 228
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

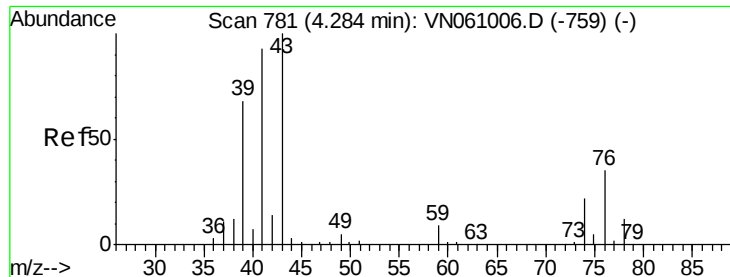


#16

Acetone
 Concen: 29.155 ug/l
 RT: 3.78 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: VN061033.D
 Acq: 16 Apr 2020 23:29

Tgt Ion: 43 Resp: 25064
 Ion Ratio Lower Upper
 43 100
 58 31.2 24.6 37.0

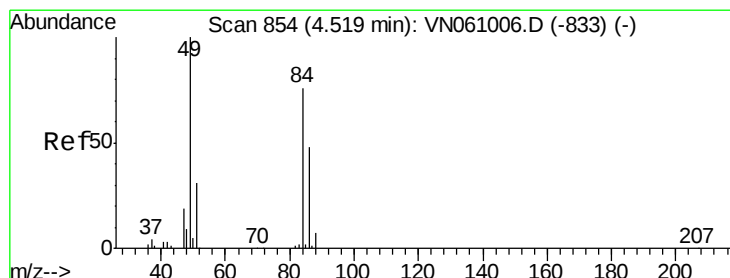
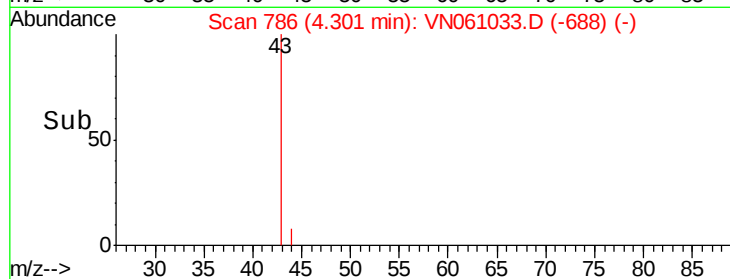
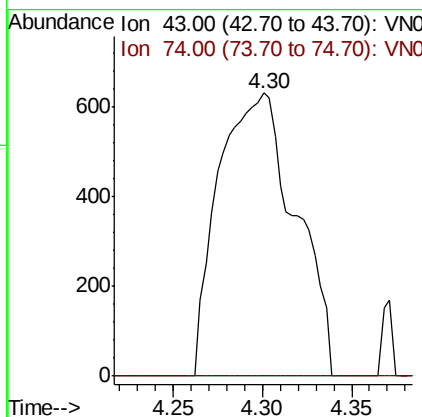
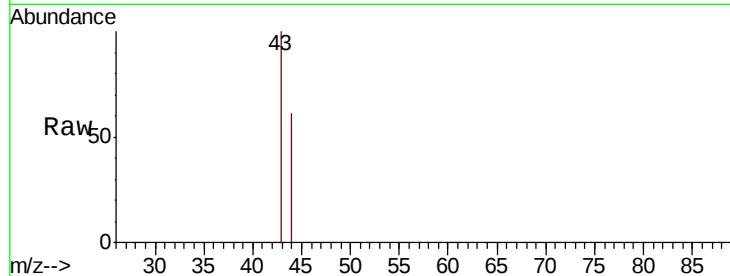




#18
Methyl Acetate
Concen: 0.699 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.02 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

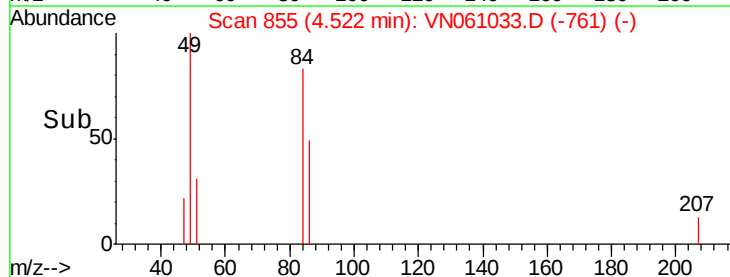
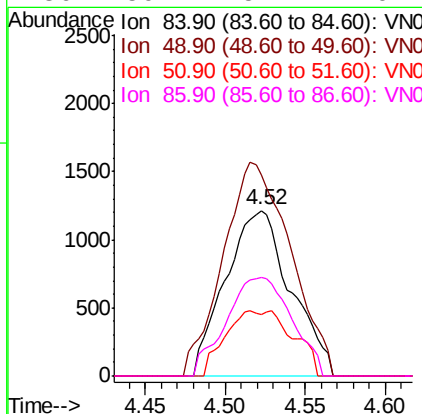
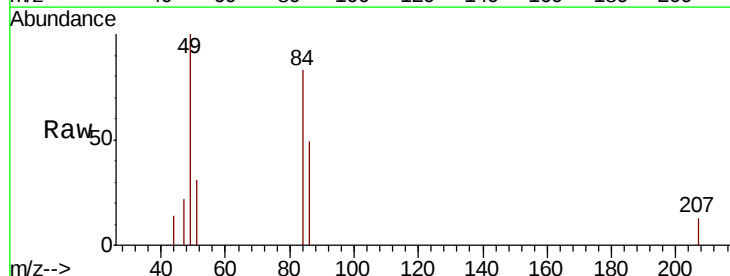
Instrument :
MSVOA_N
ClientSampled :
TP-10

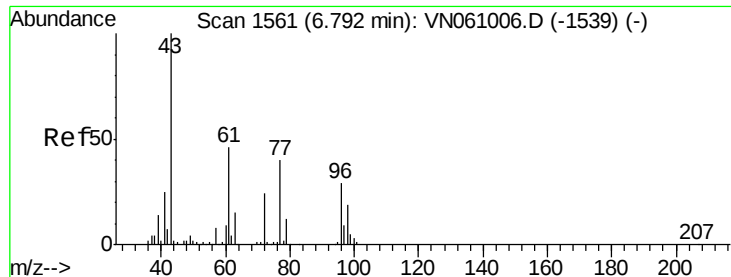
Tot Ion: 43 Resp: 1885
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#20
Methylene Chloride
Concen: 1.812 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

Tgt Ion: 84 Resp: 3401
Ion Ratio Lower Upper
84 100
49 121.2 105.8 158.6
51 37.4 32.4 48.6
86 59.2 51.1 76.7

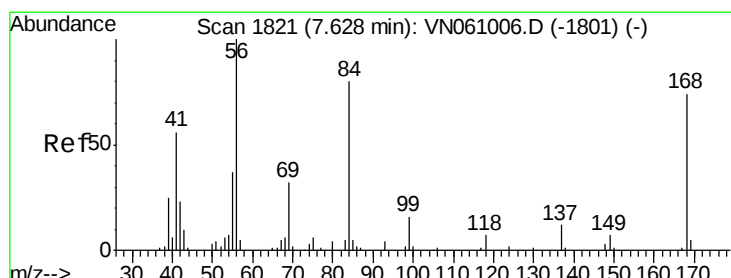
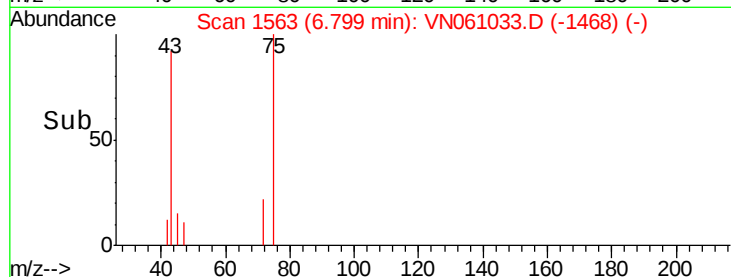
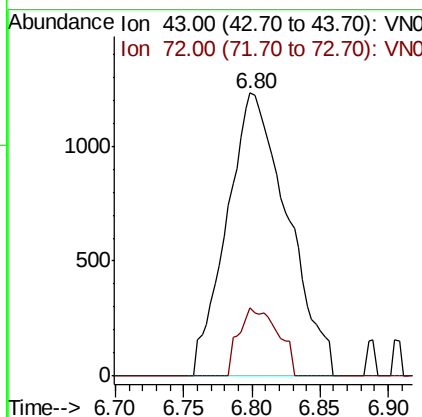
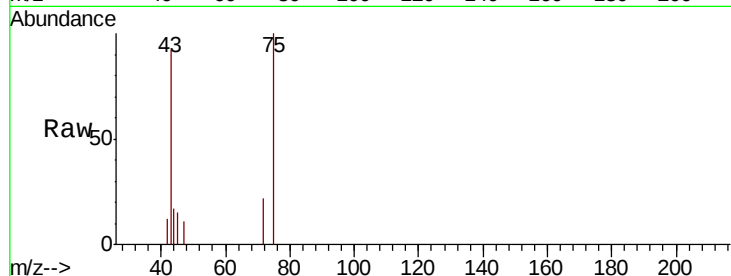




#25
2-Butanone
Concen: 2.885 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

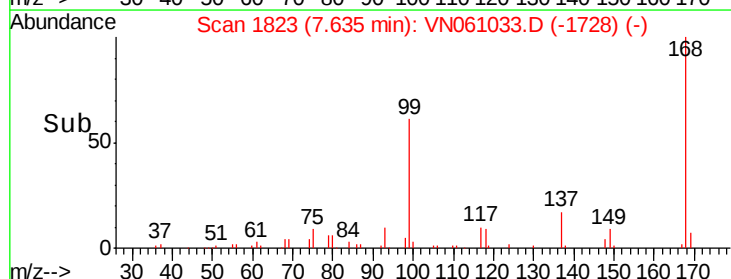
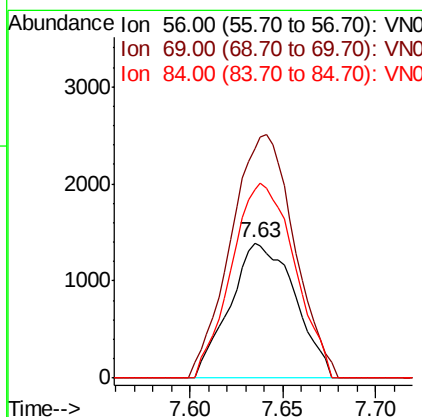
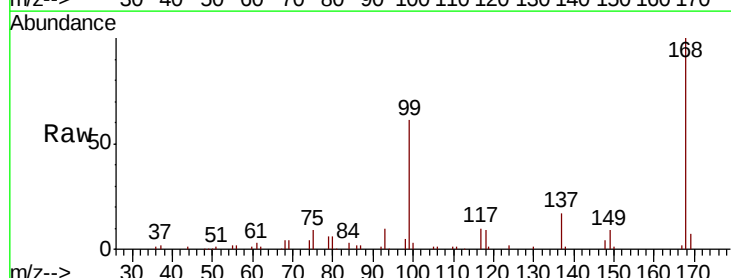
Instrument :
MSVOA_N
ClientSampled :
TP-10

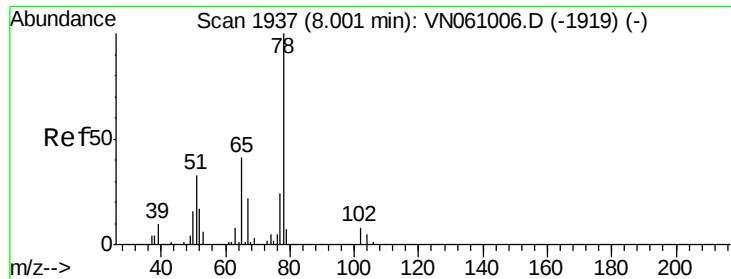
Tot Ion: 43 Resp: 3800
Ion Ratio Lower Upper
43 100
72 24.1 19.6 29.4



#31
Cyclohexane
Concen: 0.933 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

Tgt Ion: 56 Resp: 3395
Ion Ratio Lower Upper
56 100
69 170.6 25.6 38.4#
84 139.4 63.4 95.2#





#33

1,2-Dichloroethane-d4

Concen: 52.745 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN061033.D

Acq: 16 Apr 2020 23:29

Instrument :

MSVOA_N

ClientSampled :

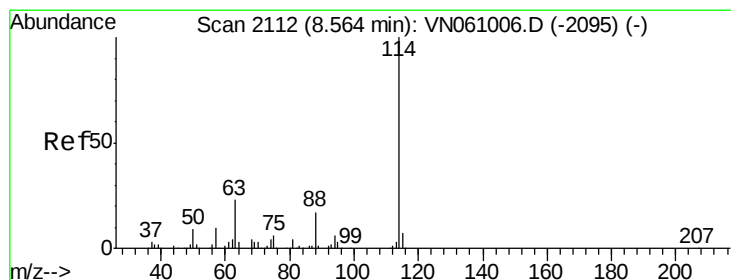
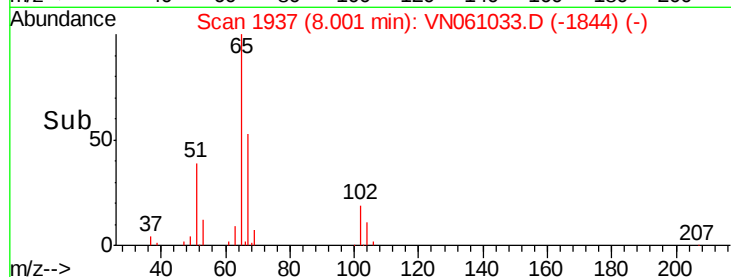
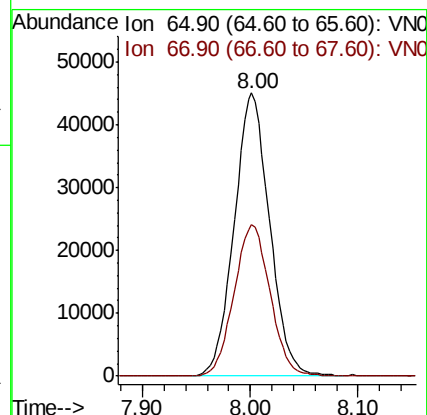
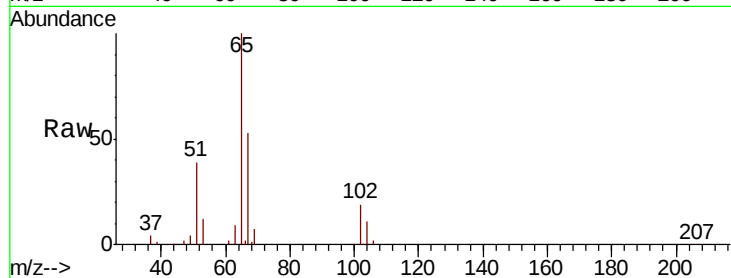
TP-10

Tot Ion: 65 Resp: 103019

Ion Ratio Lower Upper

65 100

67 54.5 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN061033.D

Acq: 16 Apr 2020 23:29

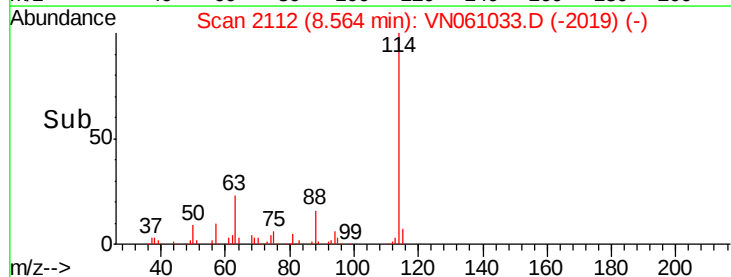
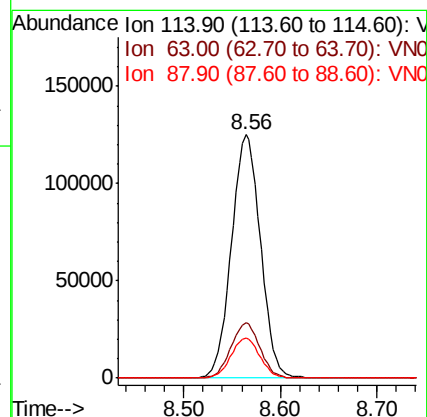
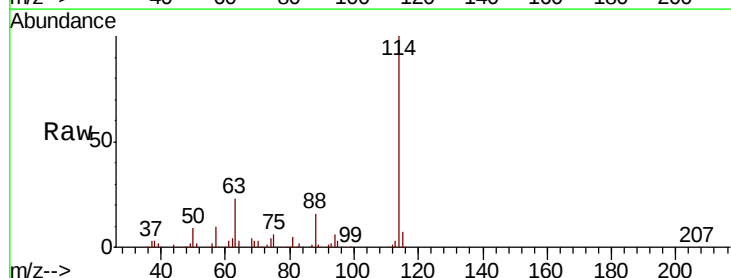
Tgt Ion: 114 Resp: 261535

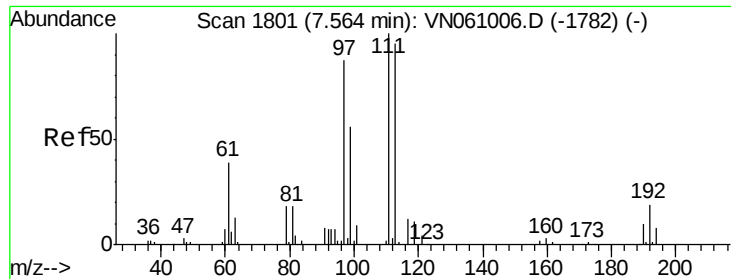
Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.2

88 16.3 0.0 33.4

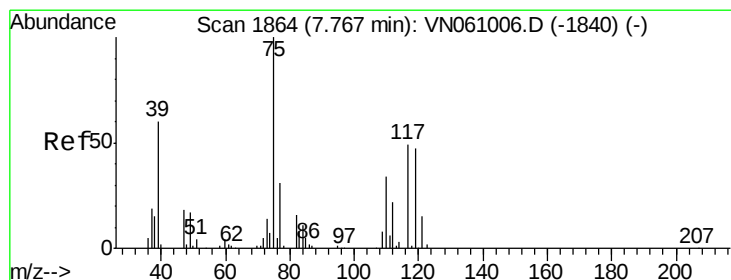
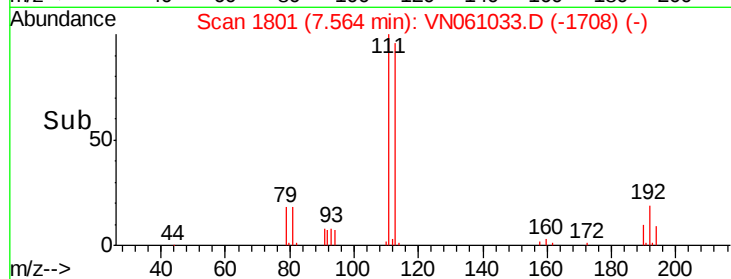
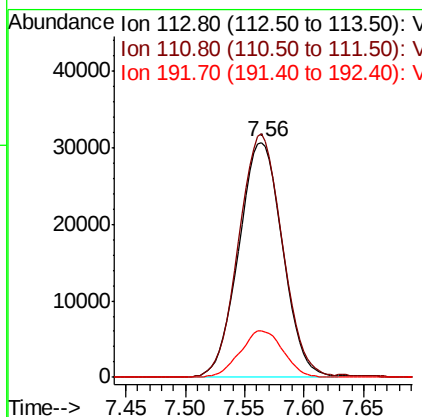
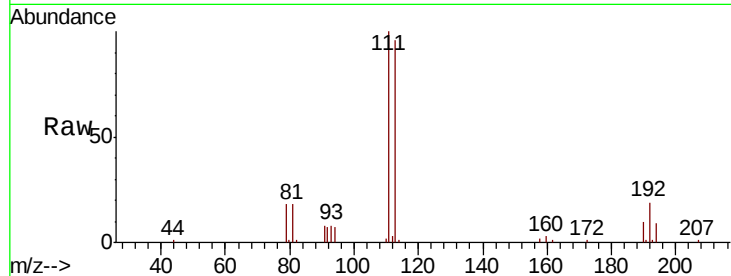




#35
 Dibromofluoromethane
 Concen: 51.267 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN061033.D
 Acq: 16 Apr 2020 23:29

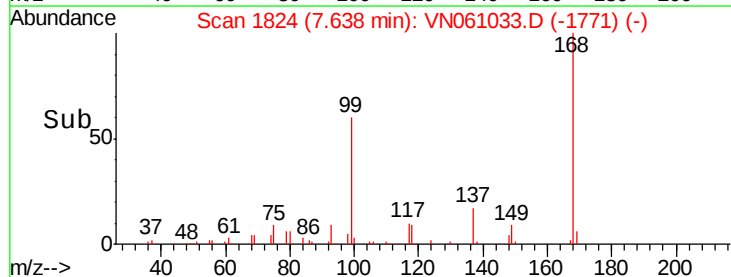
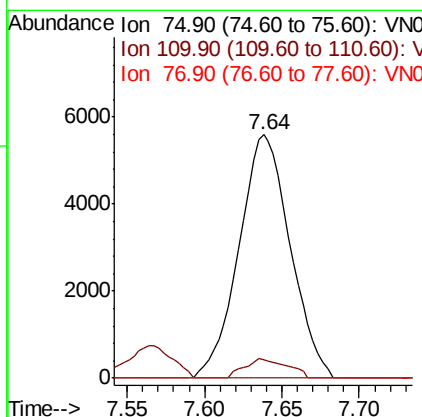
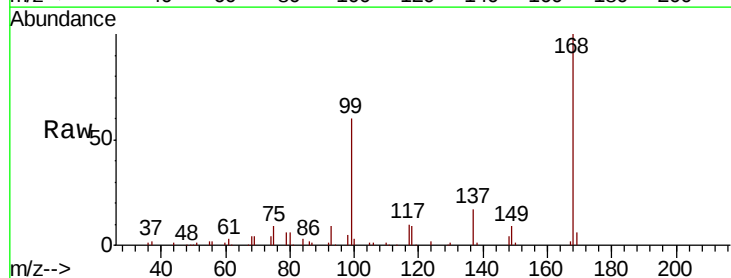
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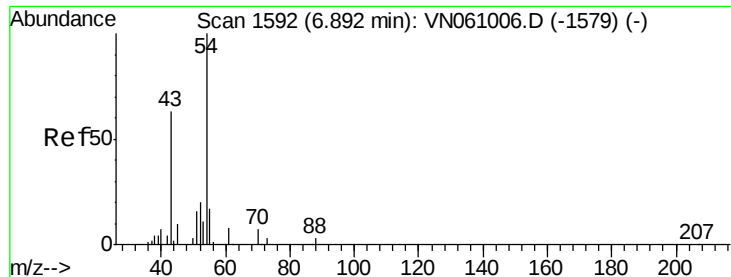
Tot Ion:113 Resp: 78302
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.2
 192 19.4 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.762 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061033.D
 Acq: 16 Apr 2020 23:29

Tgt Ion: 75 Resp: 12852
 Ion Ratio Lower Upper
 75 100
 110 6.7 16.8 50.3#
 77 0.0 24.7 37.1#

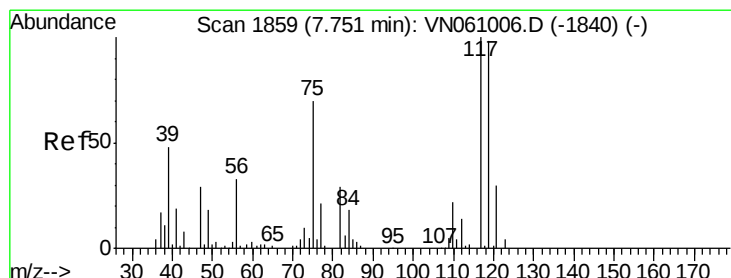
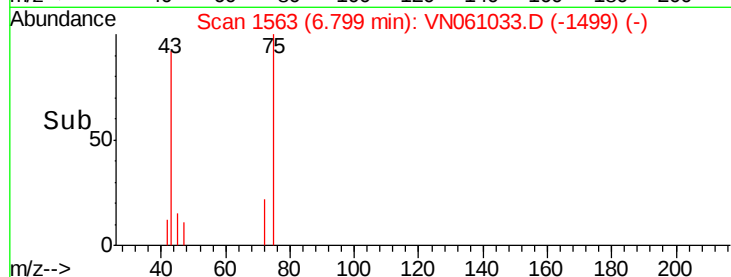
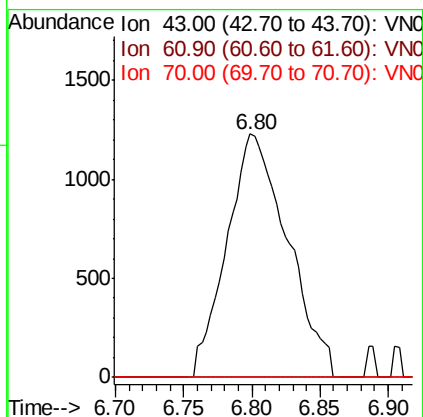
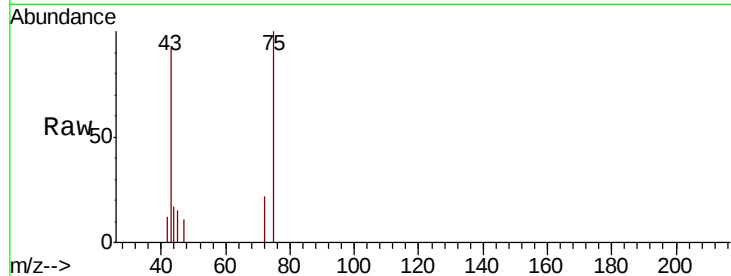




#37
Ethyl Acetate
Concen: 1.297 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.09 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

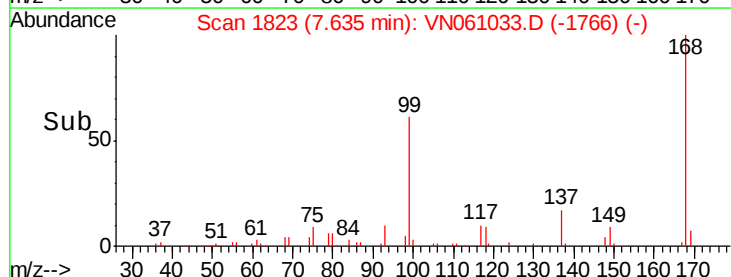
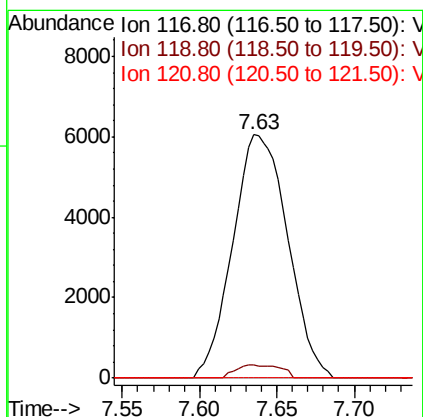
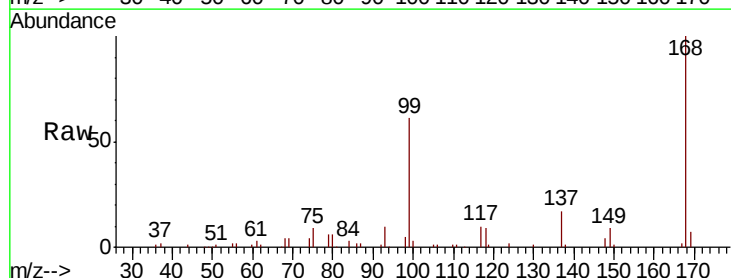
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ClientSampleId :
TP-10

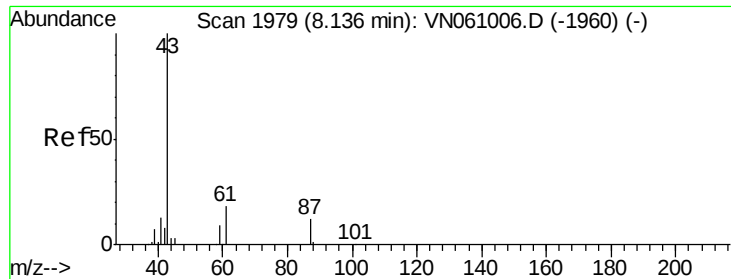
Tot Ion: 43 Resp: 3800
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.646 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.12 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

Tgt Ion: 117 Resp: 14929
Ion Ratio Lower Upper
117 100
119 5.4 78.1 117.1#
121 0.0 24.0 36.0#

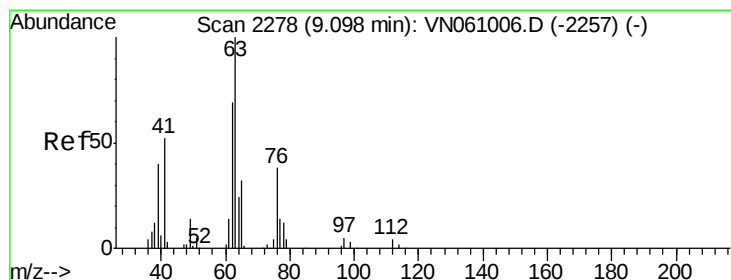
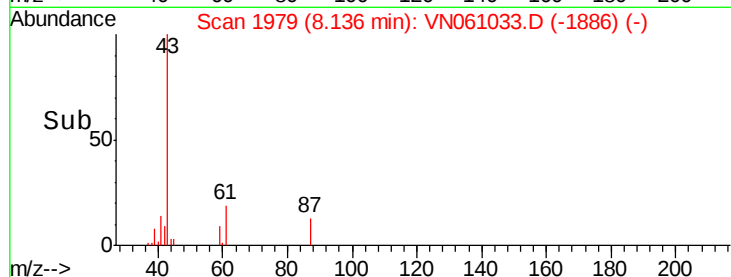
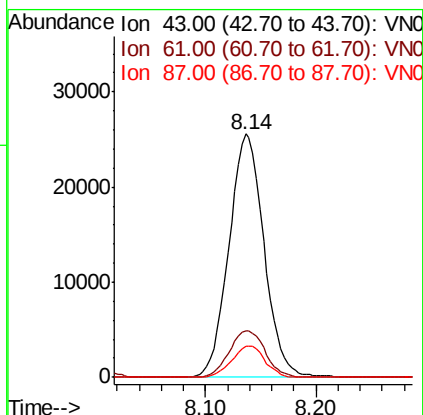
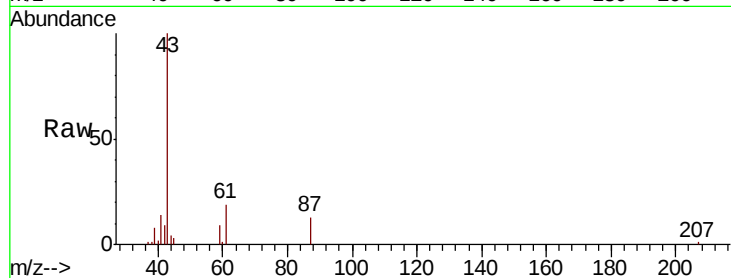




#43
Isopropyl Acetate
Concen: 11.830 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

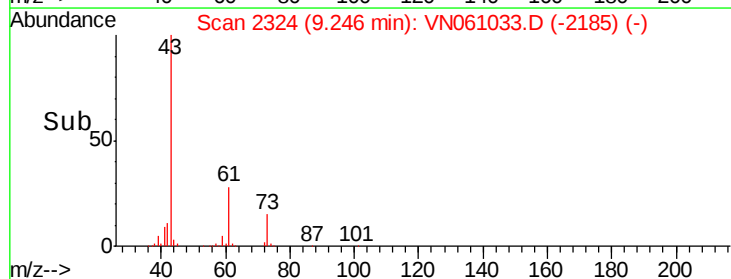
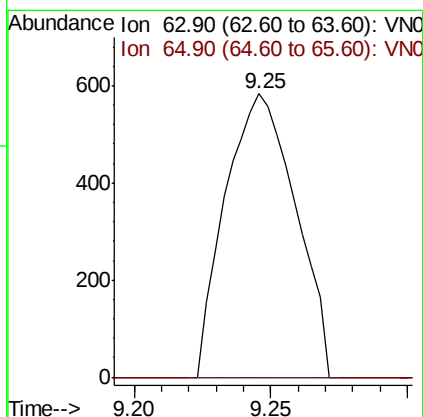
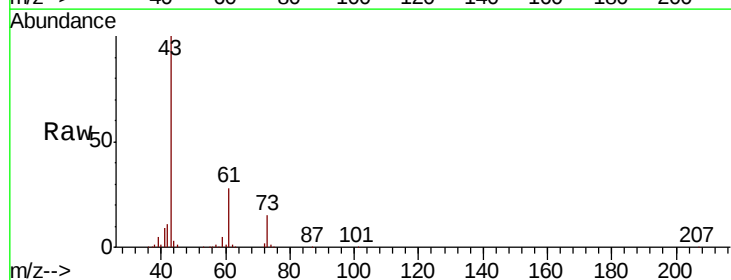
Instrument :
MSVOA_N
ClientSampled :
TP-10

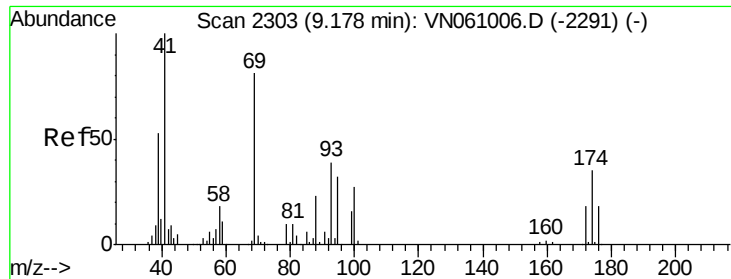
Tot Ion: 43 Resp: 56380
Ion Ratio Lower Upper
43 100
61 19.5 20.3 30.5#
87 12.1 9.4 14.2



#45
1,2-Dichloropropane
Concen: 0.481 ug/l
RT: 9.25 min Scan# 2324
Delta R.T. 0.15 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

Tgt Ion: 63 Resp: 1041
Ion Ratio Lower Upper
63 100
65 0.0 25.2 37.8#

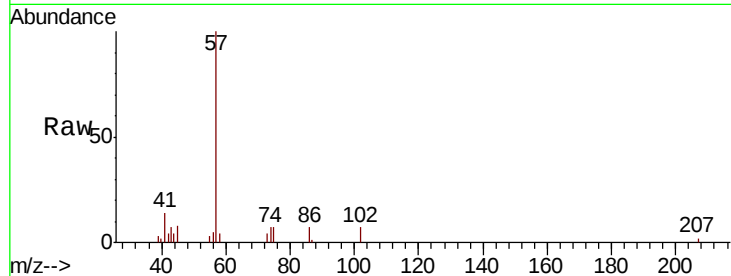




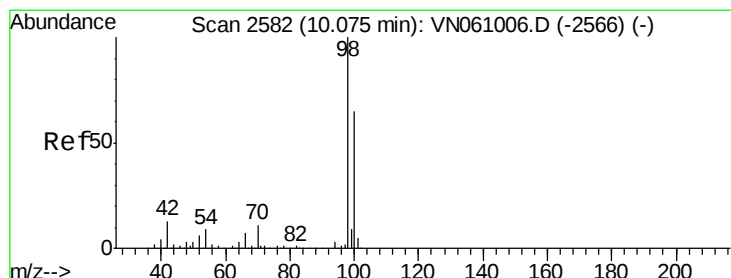
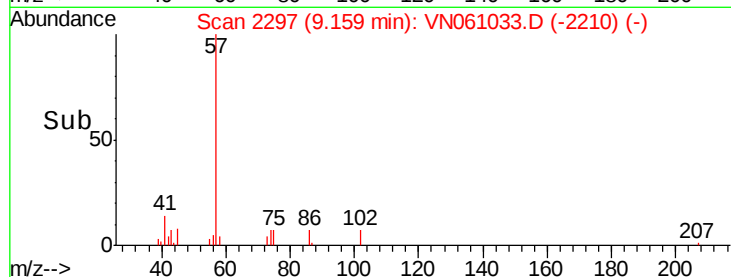
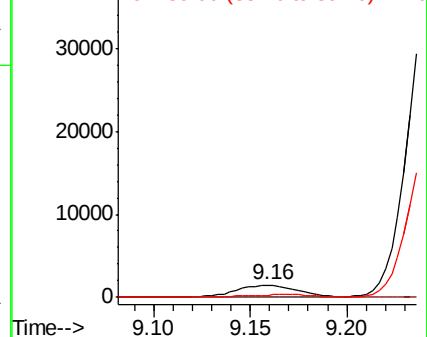
#48
Methvl methacrylate
Concen: 1.532 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

Instrument :
MSVOA_N
ClientSampleId :
TP-10

Tot Ion: 41 Resp: 3226
Ion Ratio Lower Upper
41 100
69 0.0 65.3 97.9#
39 0.0 45.2 67.8#

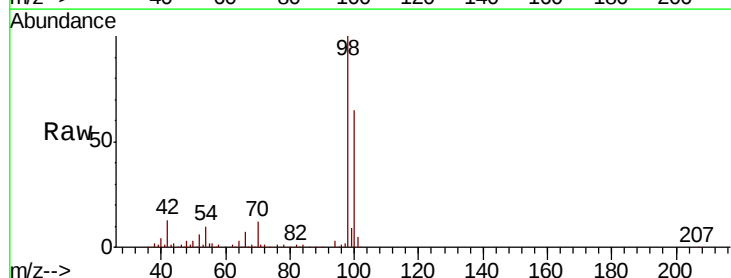


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

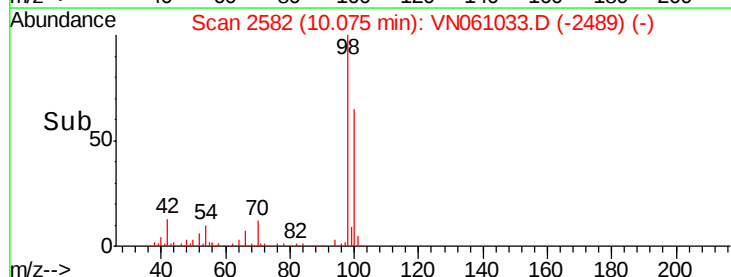
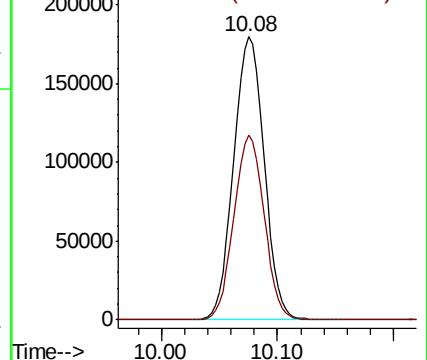


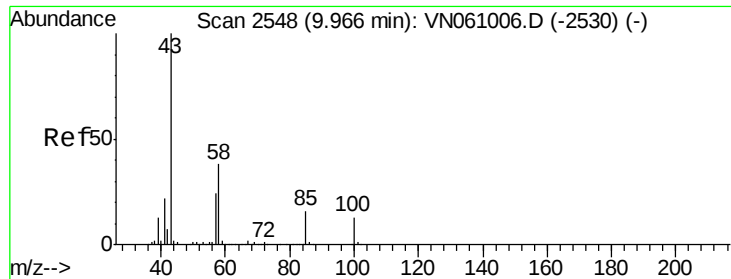
#50
Toluene-d8
Concen: 56.757 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

Tgt Ion: 98 Resp: 327574
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

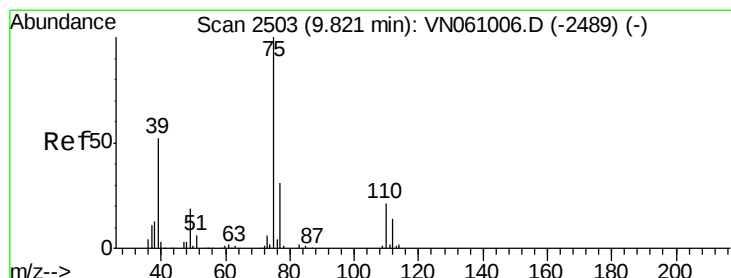
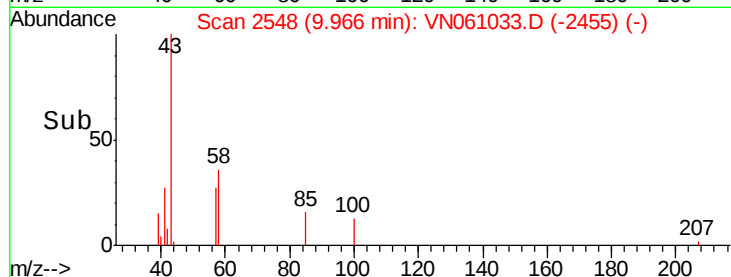
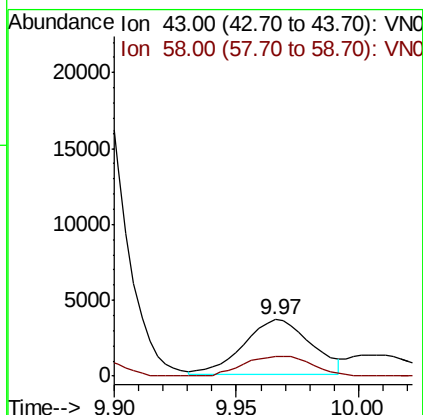
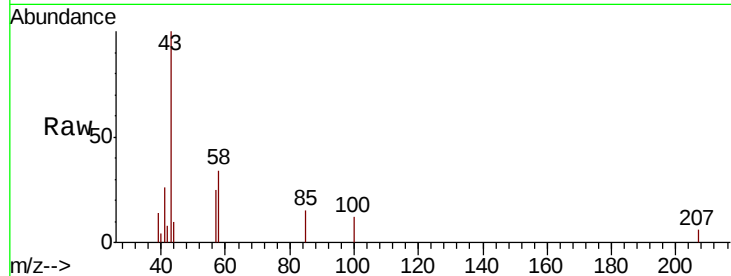




#51
 4-Methyl-2-Pentanone
 Concen: 2.530 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN061033.D
 Acq: 16 Apr 2020 23:29

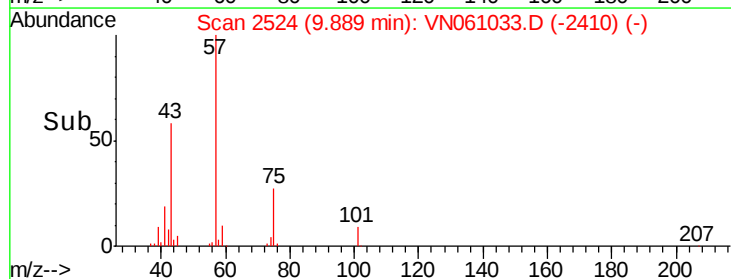
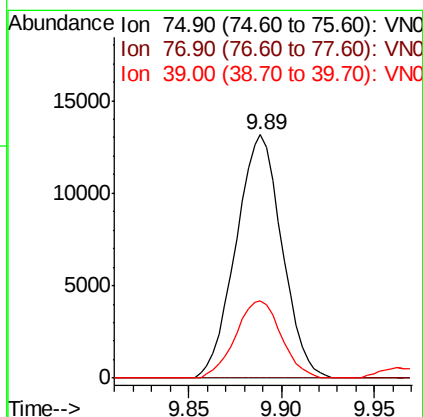
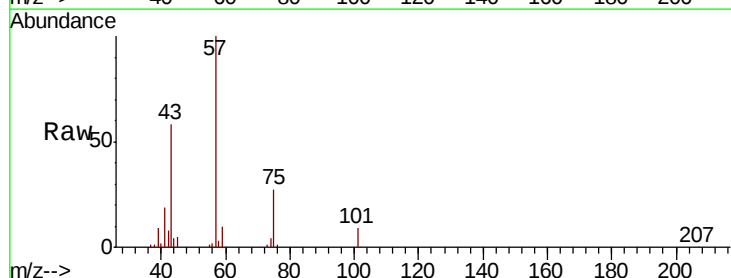
Instrument :
 MSVOA_N
 ClientSampled :
 TP-10

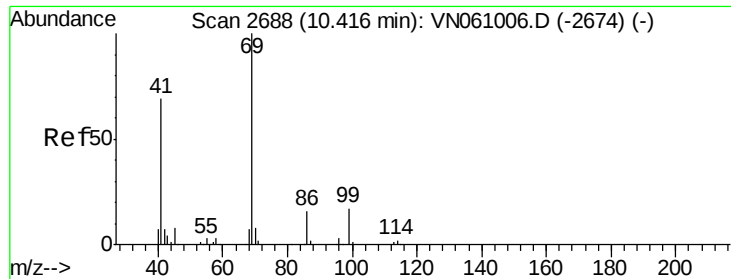
Tot Ion: 43 Resp: 6951
 Ion Ratio Lower Upper
 43 100
 58 36.6 30.3 45.5



#54
 cis-1,3-Dichloropropene
 Concen: 6.785 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.07 min
 Lab File: VN061033.D
 Acq: 16 Apr 2020 23:29

Tgt Ion: 75 Resp: 22649
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 31.9 41.4 62.2#

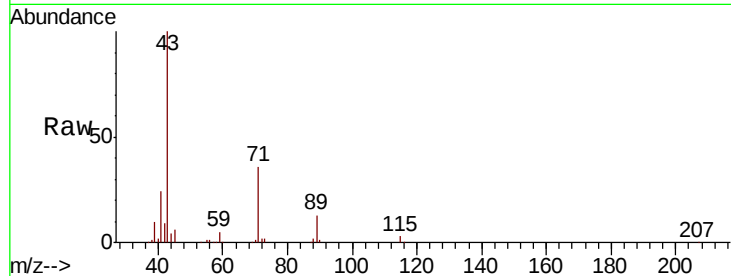




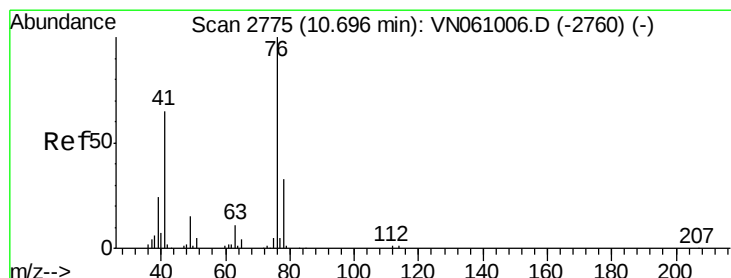
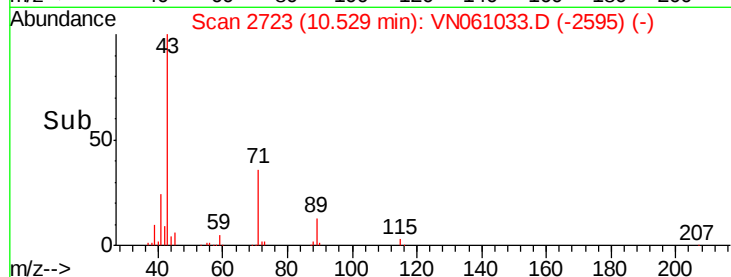
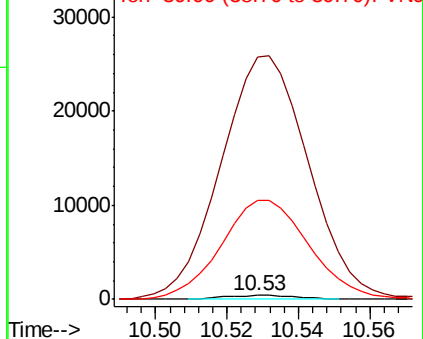
#56
Ethyl methacrylate
Concen: 0.202 ug/l
RT: 10.53 min Scan# 2723
Delta R.T. 0.11 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

Instrument :
MSVOA_N
ClientSampleId :
TP-10

Tot Ion: 69 Resp: 577
Ion Ratio Lower Upper
69 100
41 7666.9 56.7 85.1#
39 3117.2 29.4 44.0#

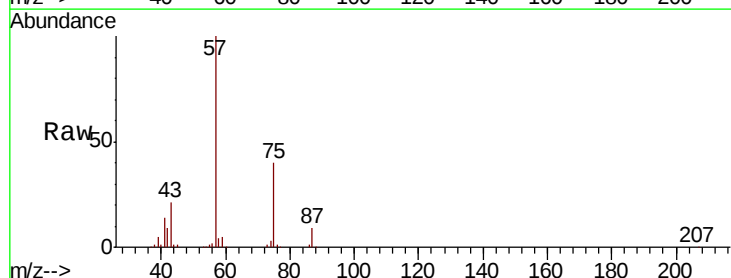


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

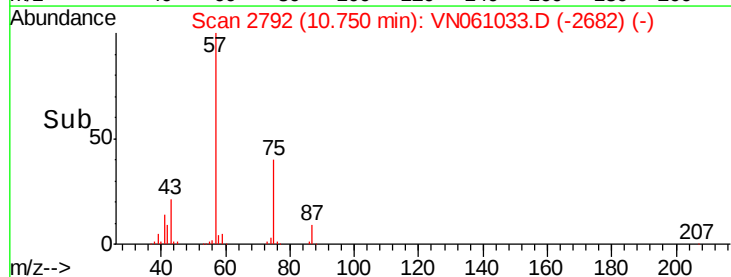
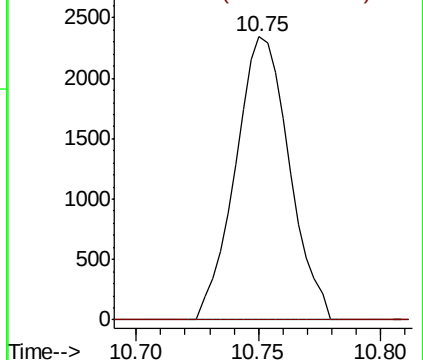


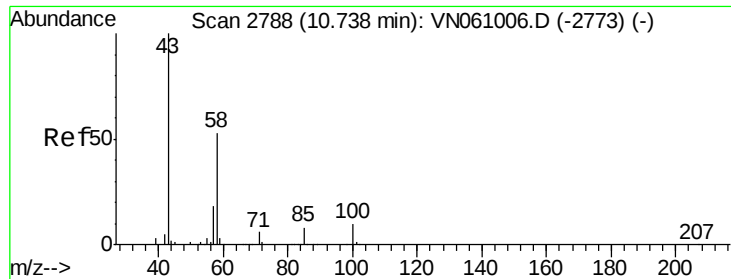
#57
1,3-Dichloropropane
Concen: 1.105 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.05 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

Tgt Ion: 76 Resp: 3584
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

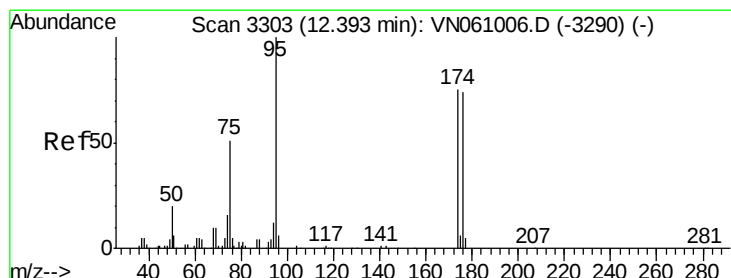
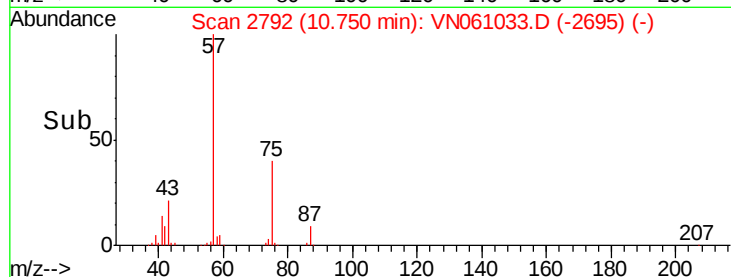
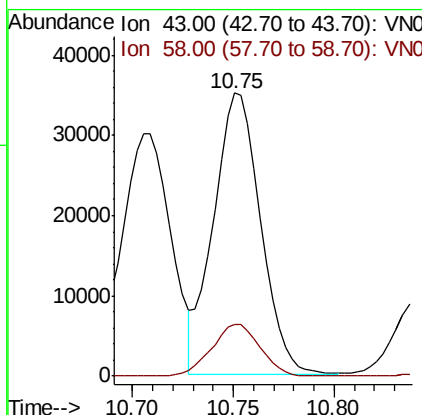
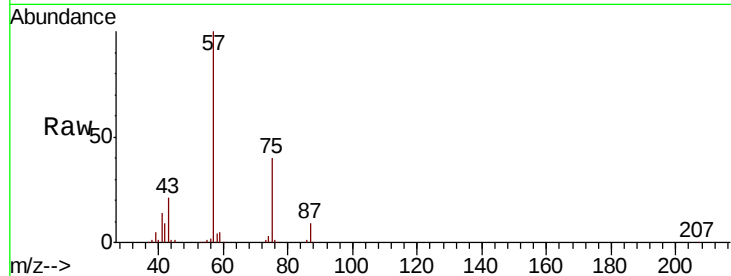




#59
2-Hexanone
Concen: 28.893 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.01 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

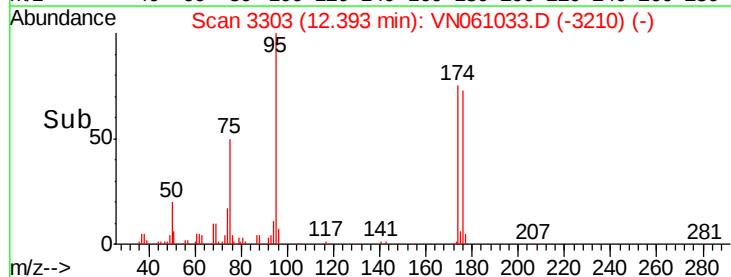
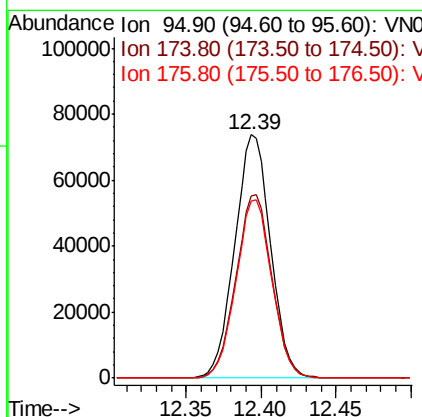
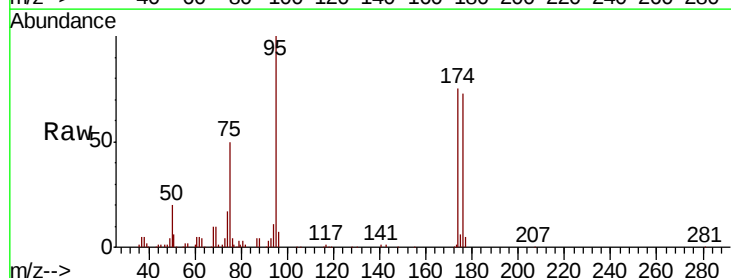
Instrument :
MSVOA_N
ClientSampleId :
TP-10

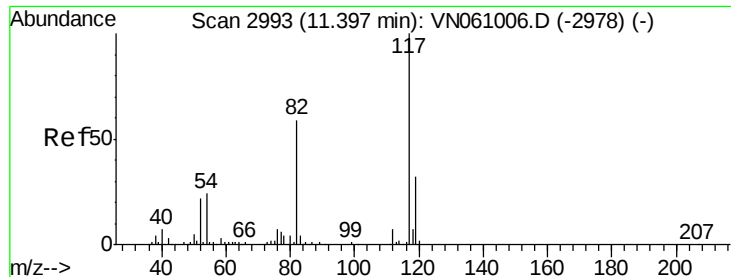
Tot Ion: 43 Resp: 57249
Ion Ratio Lower Upper
43 100
58 18.7 26.4 79.0#



#62
4-Bromofluorobenzene
Concen: 54.285 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.00 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

Tgt Ion: 95 Resp: 122794
Ion Ratio Lower Upper
95 100
174 75.8 0.0 151.2
176 73.3 0.0 148.2

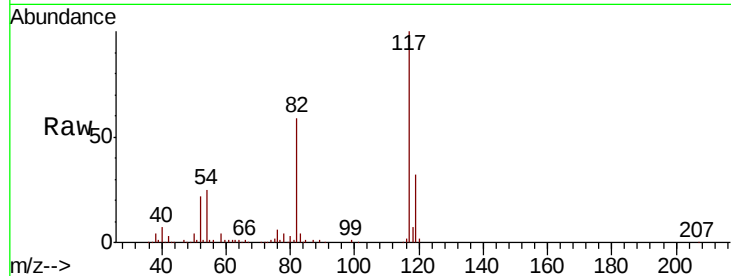




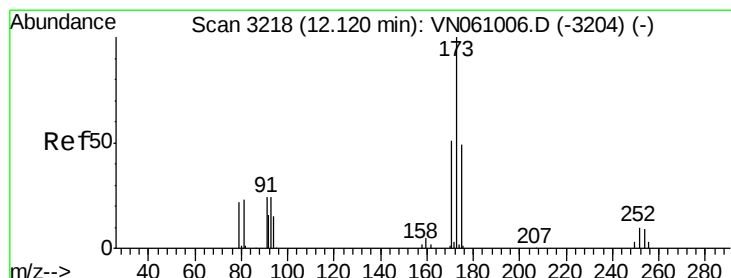
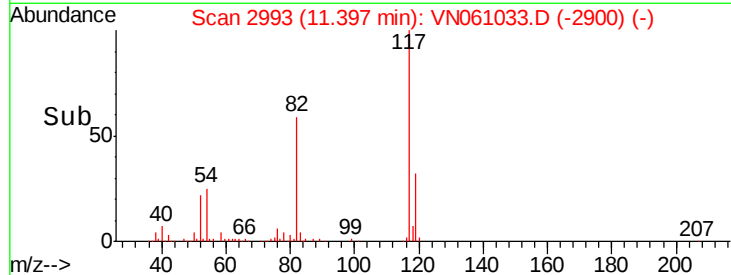
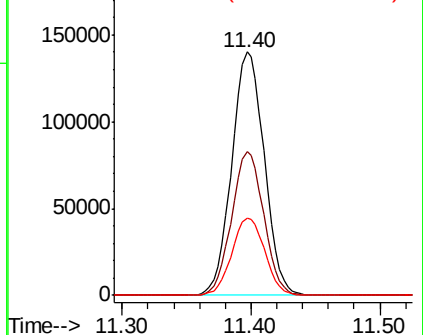
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

Instrument :
MSVOA_N
ClientSampleId :
TP-10

Tot Ion:117 Resp: 245372
Ion Ratio Lower Upper
117 100
82 59.1 47.1 70.7
119 31.7 25.7 38.5

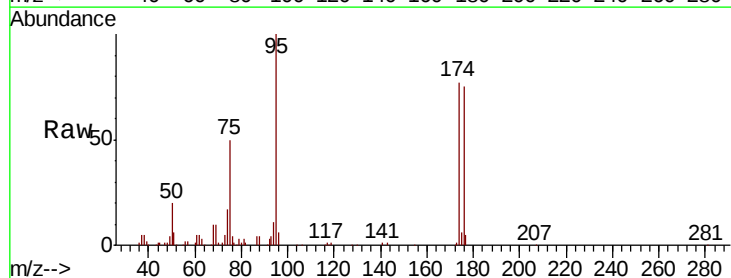


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

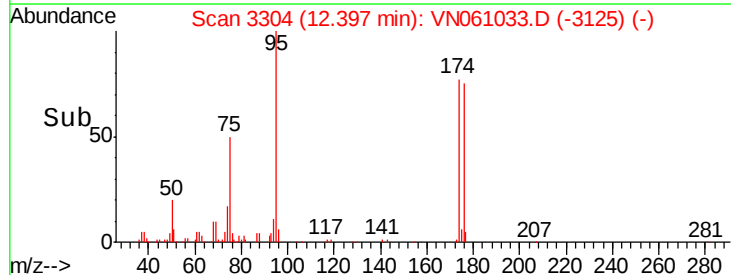
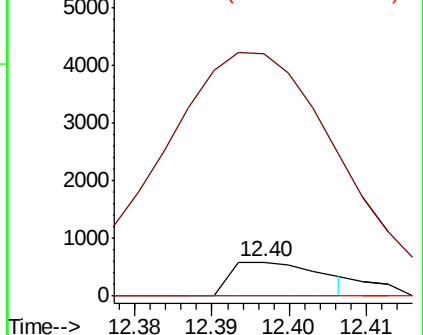


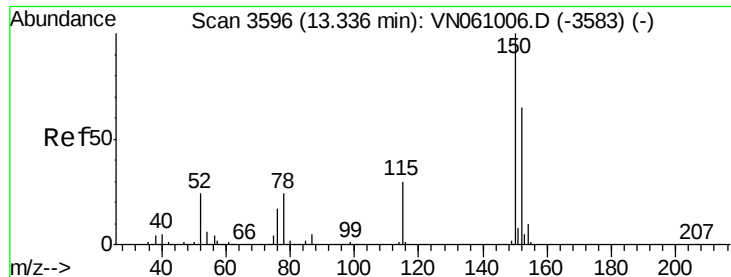
#71
Bromoform
Concen: 0.355 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN061033.D
Acq: 16 Apr 2020 23:29

Tgt Ion:173 Resp: 480
Ion Ratio Lower Upper
173 100
175 1293.1 24.5 73.5#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061033.D

Acq: 16 Apr 2020 23:29

Instrument :

MSVOA_N

ClientSampled :

TP-10

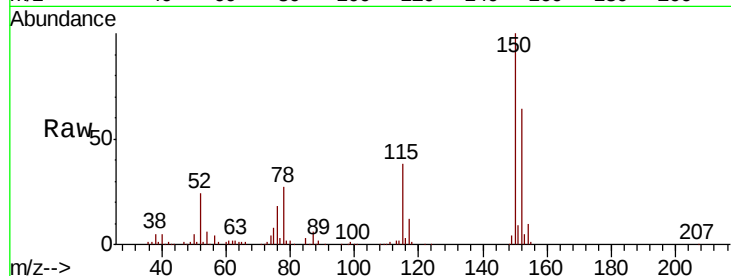
Tot Ion:152 Resp: 110518

Ion Ratio Lower Upper

152 100

115 60.3 30.8 92.4

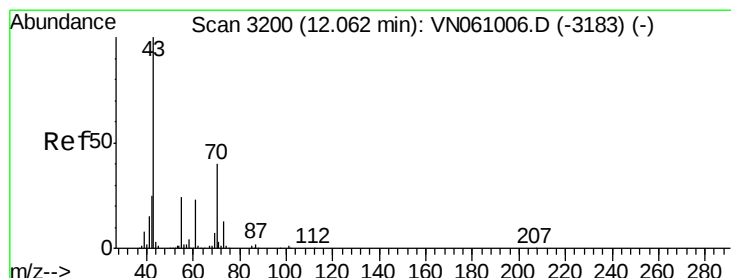
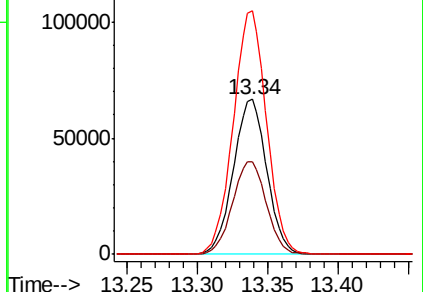
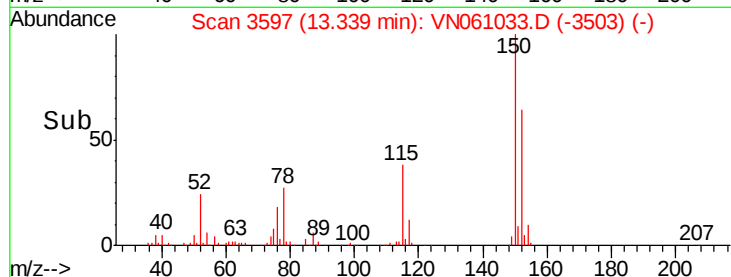
150 156.9 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.787 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN061033.D

Acq: 16 Apr 2020 23:29

Tgt Ion: 43 Resp: 3240

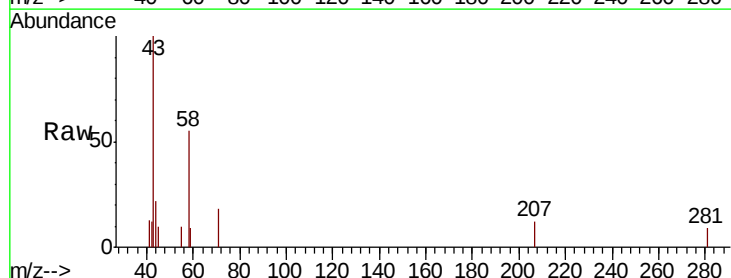
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 1.9 18.6 27.8#

61 0.0 18.2 27.4#

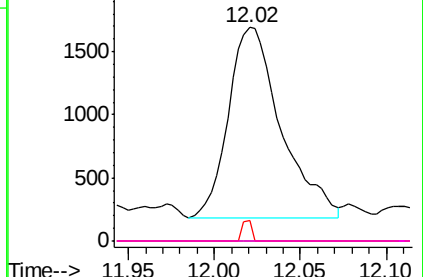
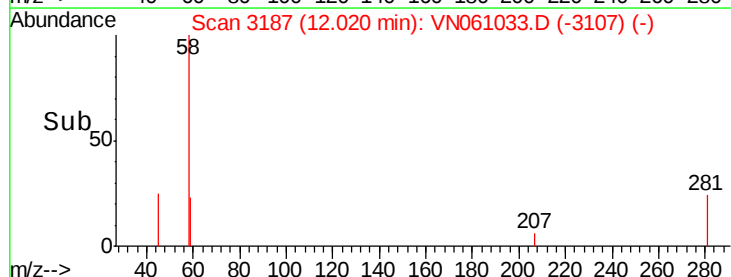


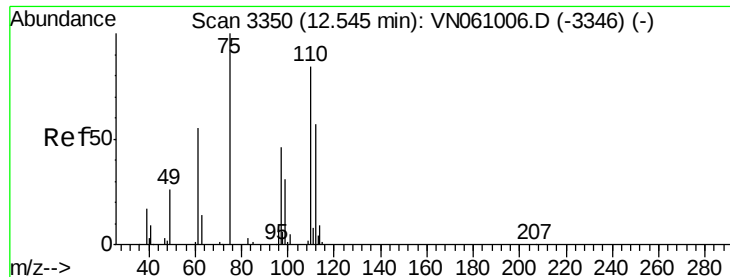
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 25.530 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061033.D

Acq: 16 Apr 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

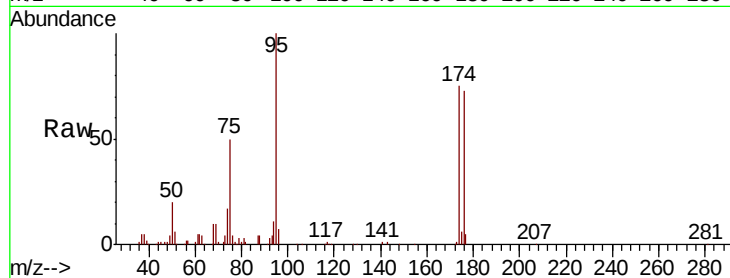
TP-10

Tot Ion: 75 Resp: 62063

Ion Ratio Lower Upper

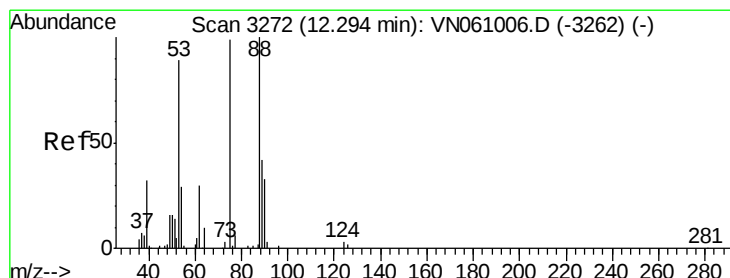
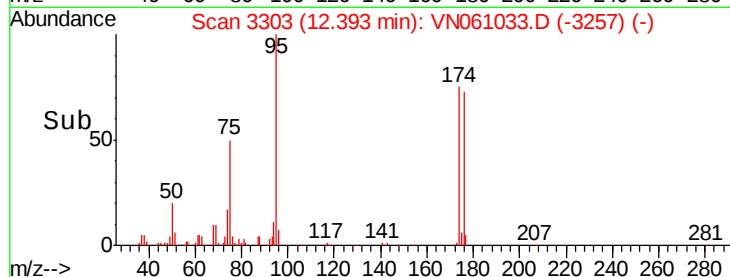
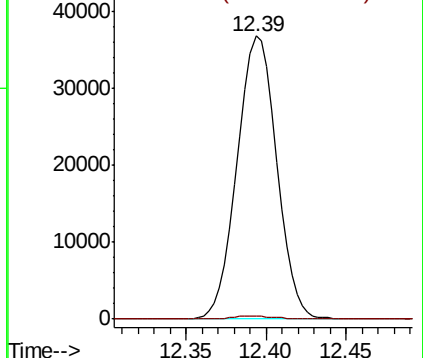
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 62.973 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061033.D

Acq: 16 Apr 2020 23:29

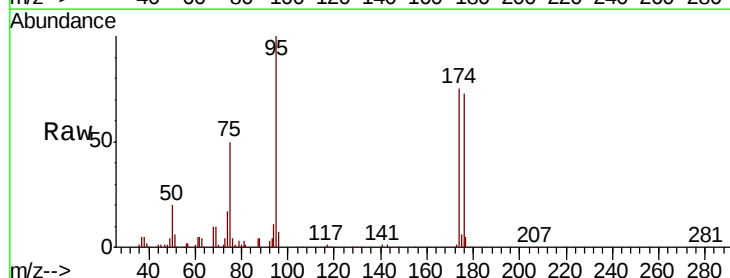
Tgt Ion: 75 Resp: 62063

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

