

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061370.D
 Acq On : 8 May 2020 18:28
 Operator : JC/MD
 Sample : PB128729ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 09 00:48:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	99330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	185174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	181745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	78564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	85130	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
35) Dibromofluoromethane	7.55	113	47564	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	
50) Toluene-d8	10.06	98	233651	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.38	95	87726	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

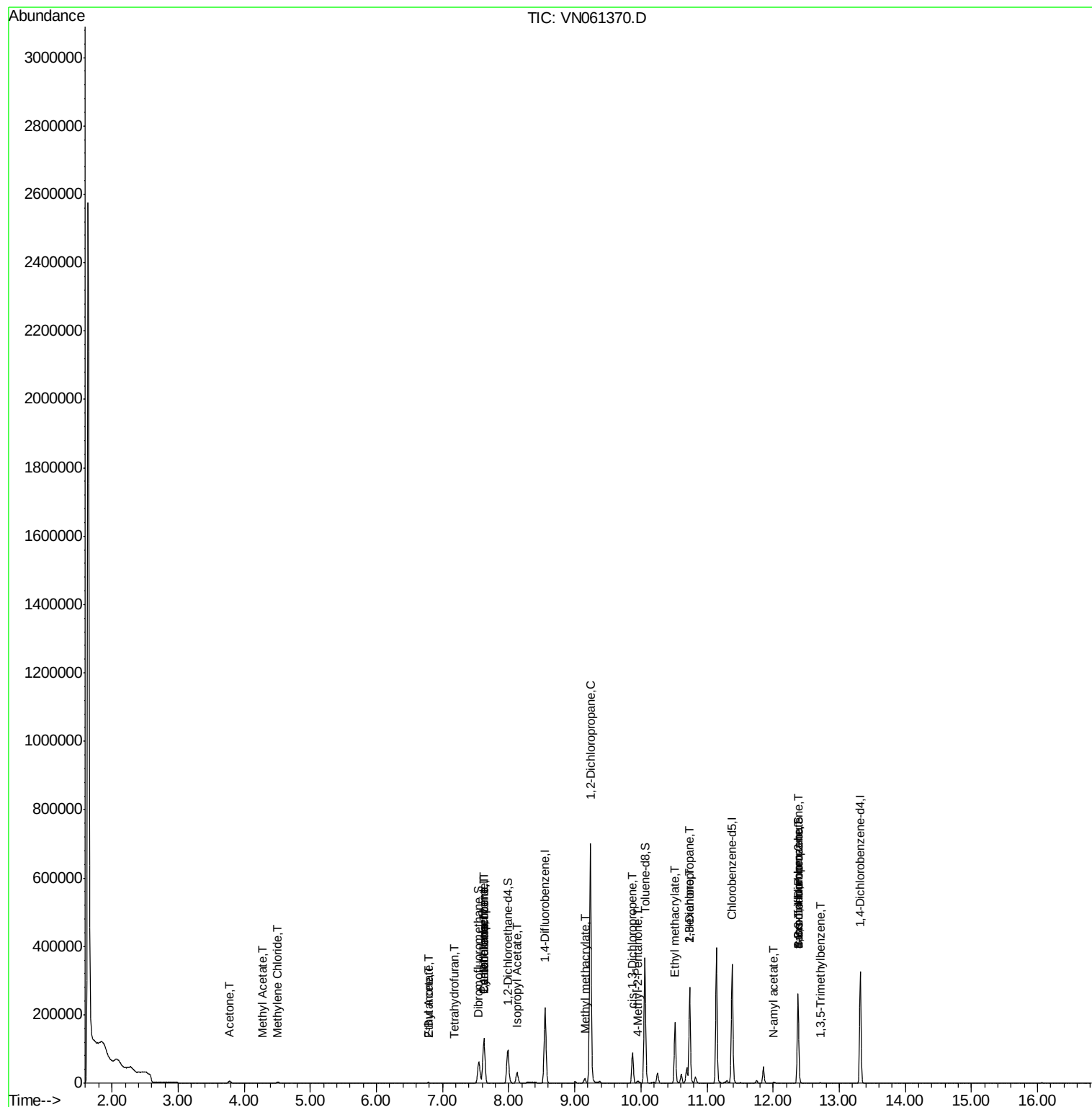
						Qvalue
16) Acetone	3.78	43	10343	11.751	ug/l	96
18) Methyl Acetate	4.28	43	1262	1.307	ug/l #	55
20) Methylene Chloride	4.50	84	1506	1.229	ug/l	94
25) 2-Butanone	6.79	43	2106	2.264	ug/l	99
29) Tetrahydrofuran	7.17	42	329	0.525	ug/l #	37
31) Cyclohexane	7.62	56	2548	1.114	ug/l #	12
36) 1,1-Dichloropropene	7.63	75	8979	4.844	ug/l #	49
37) Ethyl Acetate	6.79	43	2106	0.969	ug/l #	71
38) Carbon Tetrachloride	7.62	117	10560	8.245	ug/l #	18
43) Isopropyl Acetate	8.13	43	38746	10.743	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	630	0.427	ug/l #	44
48) Methyl methacrylate	9.15	41	2066	1.269	ug/l #	16
51) 4-Methyl-2-Pentanone	9.95	43	4012	1.890	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	14062	6.020	ug/l #	64
56) Ethyl methacrylate	10.52	69	538	2.947	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2653	1.138	ug/l #	43
59) 2-Hexanone	10.74	43	43729	28.314	ug/l #	53
71) Bromoform	12.38	173	500	0.527	ug/l #	1
74) N-amyl acetate	12.00	43	2397	0.820	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	48503	29.283	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1484	0.310	ug/l	85
81) trans-1,4-Dichloro-2-buten	12.38	75	48503	74.364	ug/l #	8

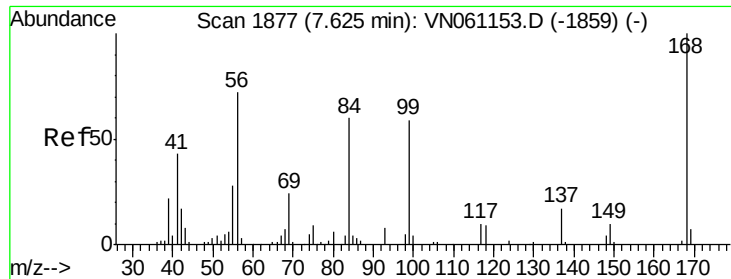
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 05 07:01:08 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VN061370.D

Acq: 8 May 2020 18:28

Instrument :

MSVOA_N

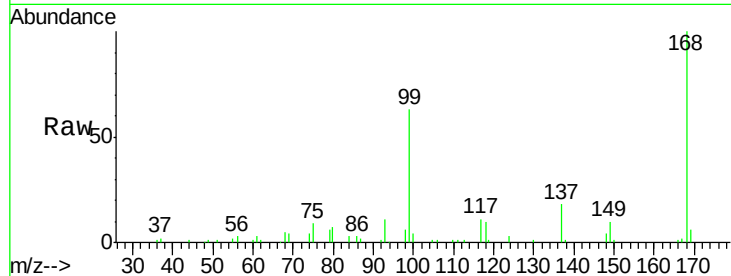
ClientSampleId :

Tot Ion:168 Resp: 99330

Ion Ratio Lower Upper

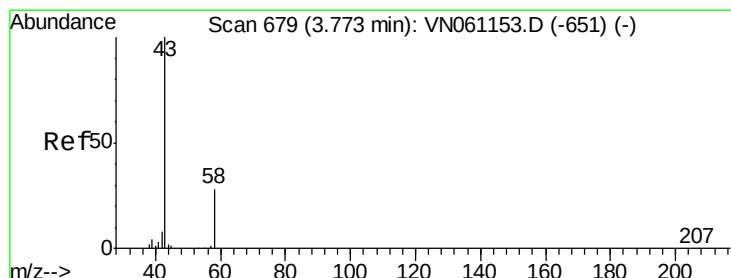
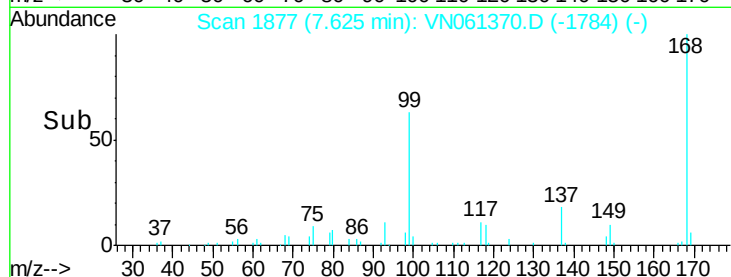
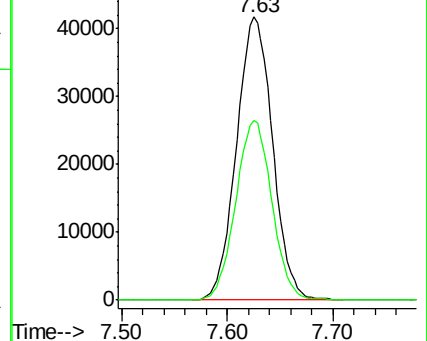
168 100

99 63.3 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 11.751 ug/l

RT: 3.78 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN061370.D

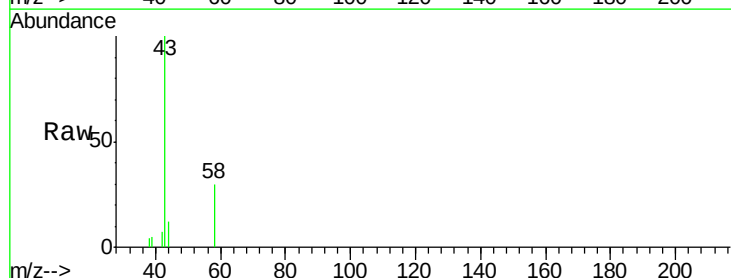
Acq: 8 May 2020 18:28

Tgt Ion: 43 Resp: 10343

Ion Ratio Lower Upper

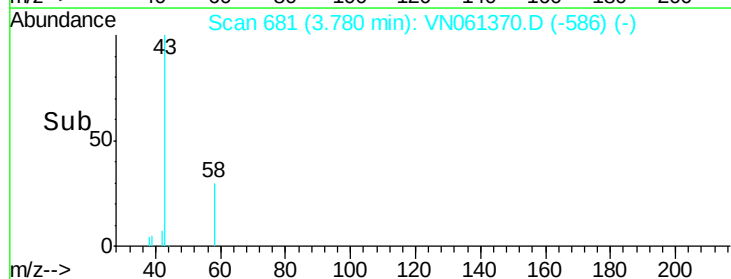
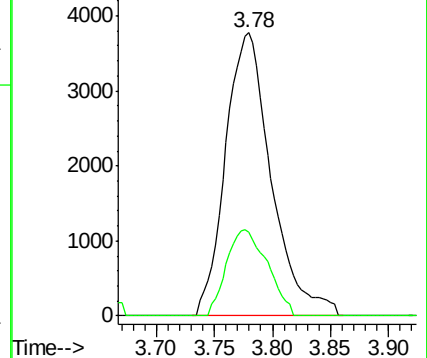
43 100

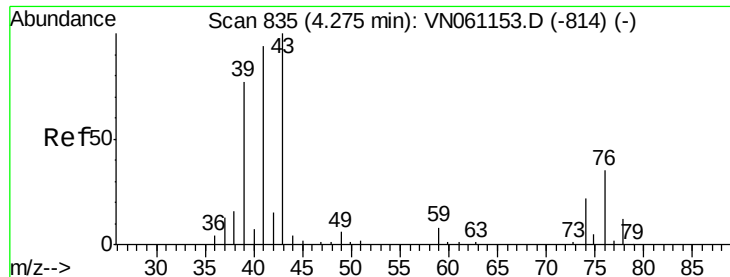
58 29.7 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

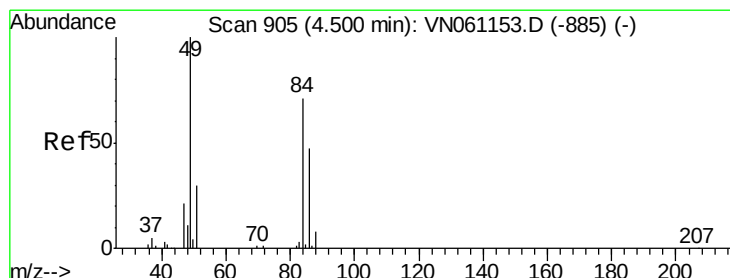
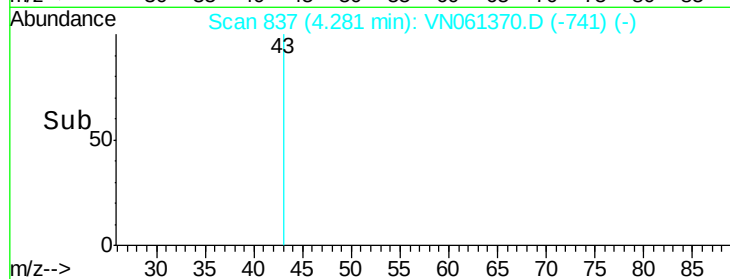
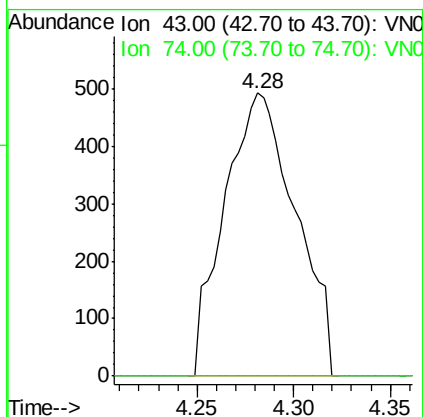
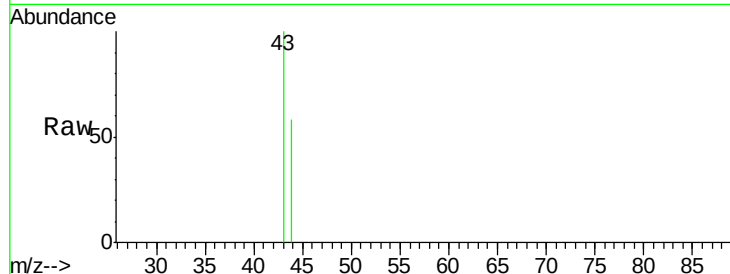




#18
Methvl Acetate
Concen: 1.307 ug/l
RT: 4.28 min Scan# 837
Delta R.T. 0.01 min
Lab File: VN061370.D
Acq: 8 May 2020 18:28

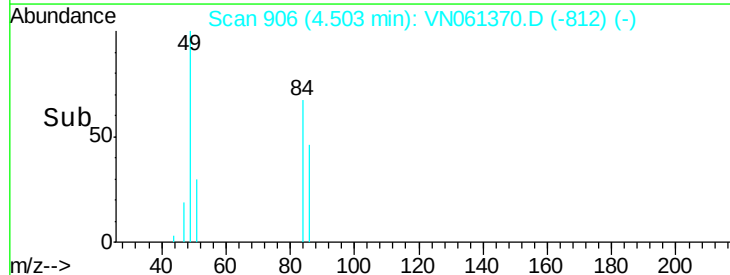
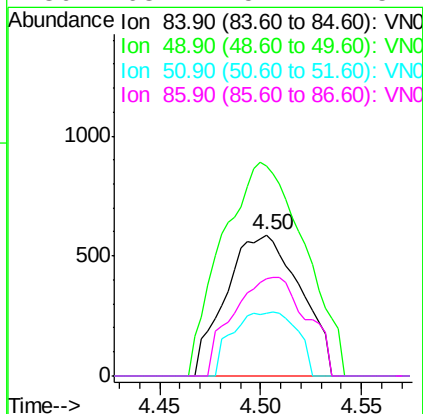
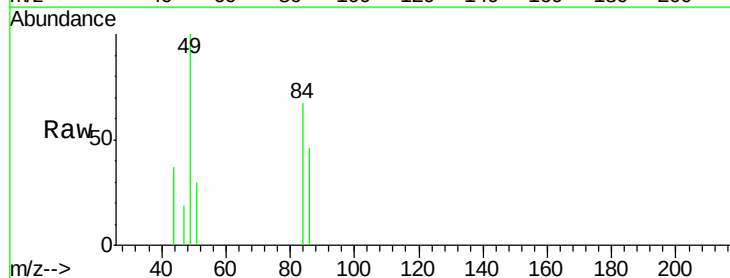
Instrument :
MSVOA_N
ClientSampled :

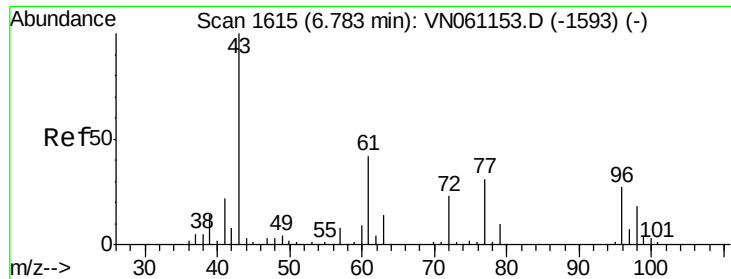
Tot Ion: 43 Resp: 1262
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: 1.229 ug/l
RT: 4.50 min Scan# 906
Delta R.T. 0.00 min
Lab File: VN061370.D
Acq: 8 May 2020 18:28

Tgt Ion: 84 Resp: 1506
Ion Ratio Lower Upper
84 100
49 148.9 112.0 168.0
51 44.1 33.6 50.4
86 68.7 52.1 78.1

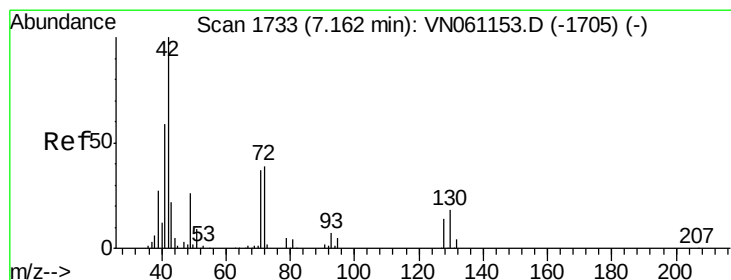
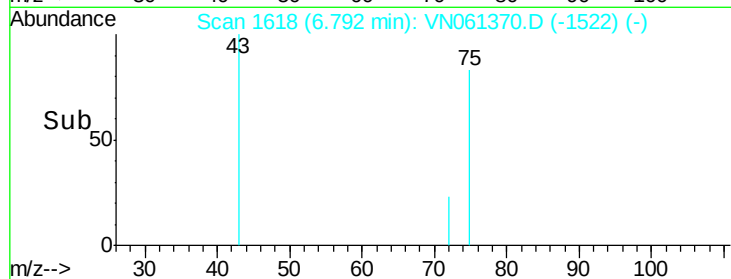
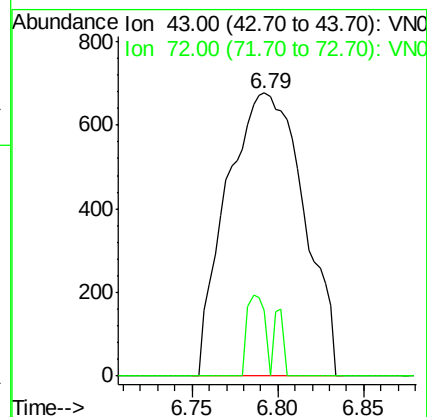
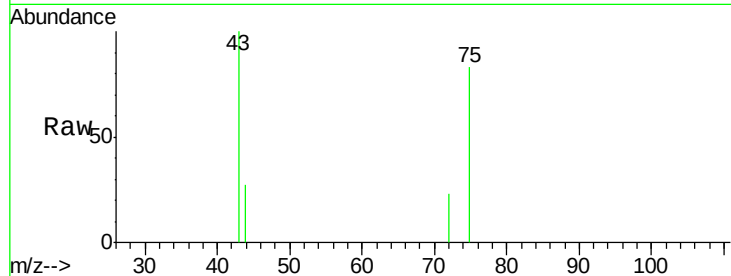




#25
2-Butanone
Concen: 2.264 ug/l
RT: 6.79 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VN061370.D
Acq: 8 May 2020 18:28

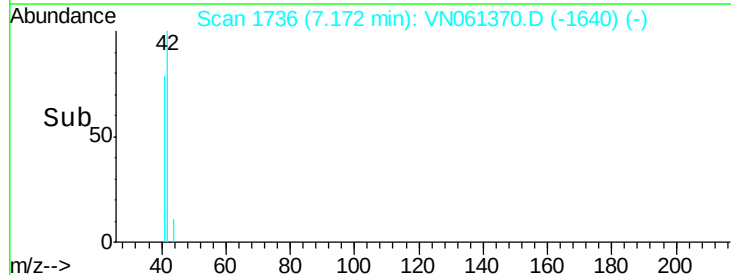
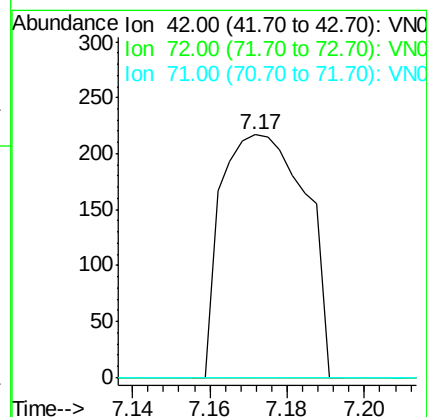
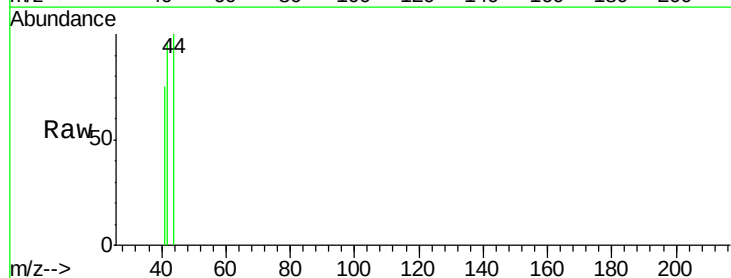
Instrument :
MSVOA_N
ClientSampleId :

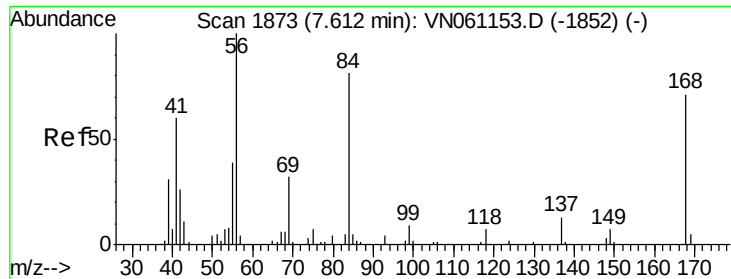
Tot Ion: 43 Resp: 2106
Ion Ratio Lower Upper
43 100
72 23.5 18.2 27.4



#29
Tetrahydrofuran
Concen: 0.525 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. 0.01 min
Lab File: VN061370.D
Acq: 8 May 2020 18:28

Tgt Ion: 42 Resp: 329
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 0.0 29.5 44.3#

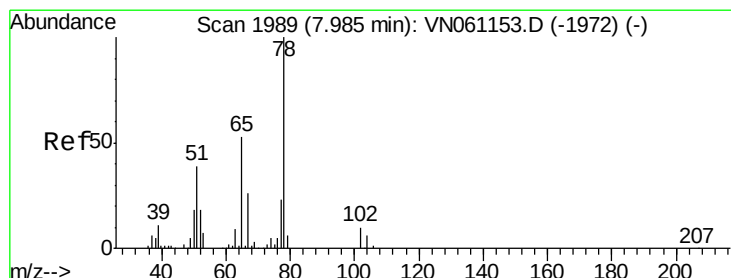
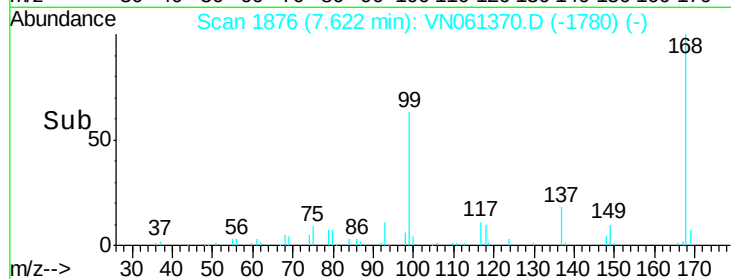
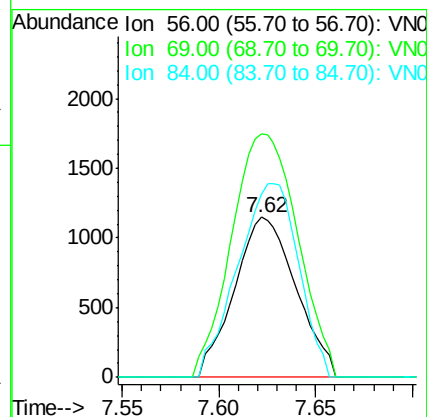
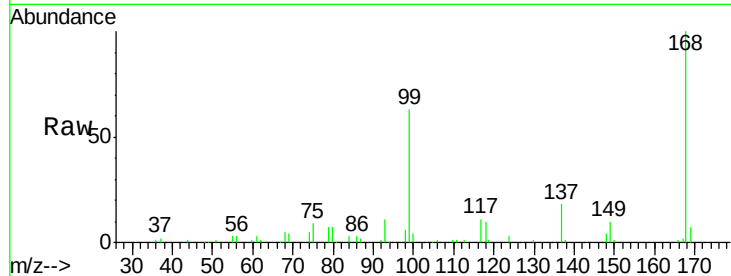




#31
Cyclohexane
Concen: 1.114 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061370.D
Acq: 8 May 2020 18:28

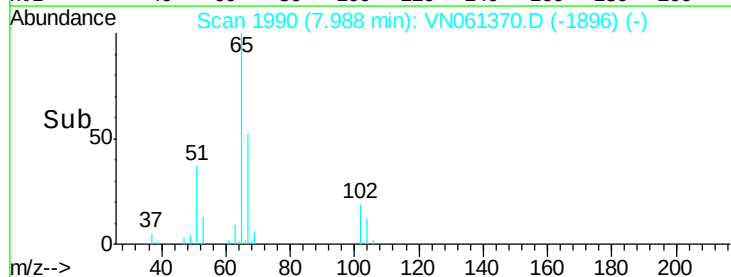
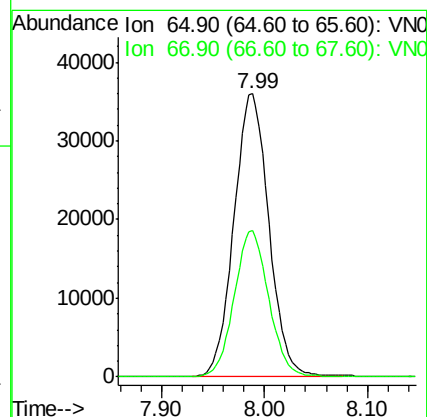
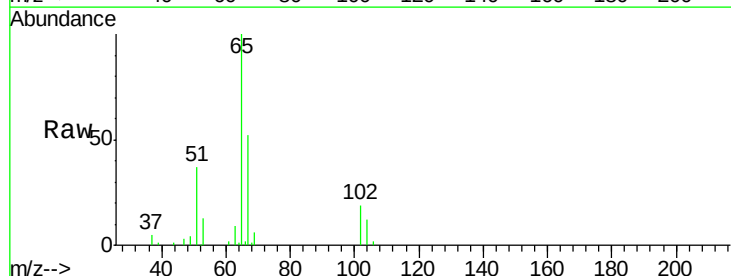
Instrument :
MSVOA_N
ClientSampled :

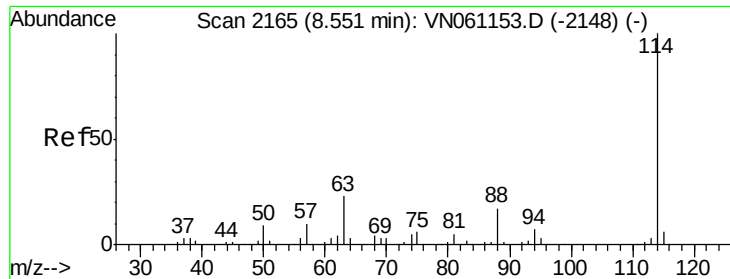
Tot Ion: 56 Resp: 2548
Ion Ratio Lower Upper
56 100
69 151.9 25.7 38.5#
84 114.9 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 54.164 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061370.D
Acq: 8 May 2020 18:28

Tgt Ion: 65 Resp: 85130
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.6

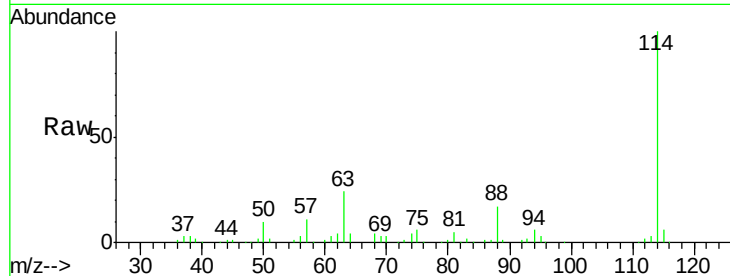




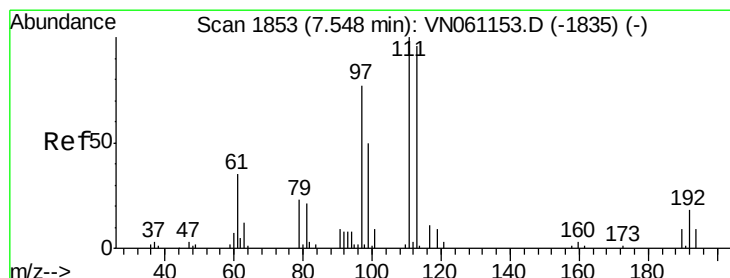
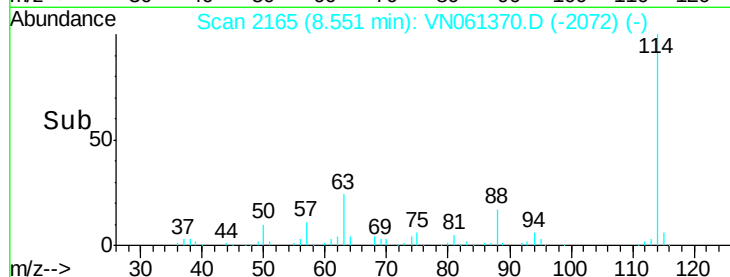
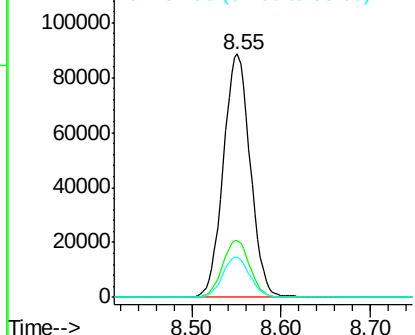
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VN061370.D
Acq: 8 May 2020 18:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:114 Resp: 185174
Ion Ratio Lower Upper
114 100
63 23.5 0.0 46.6
88 16.6 0.0 33.4

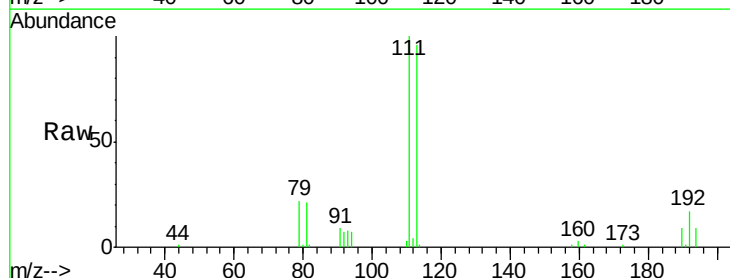


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

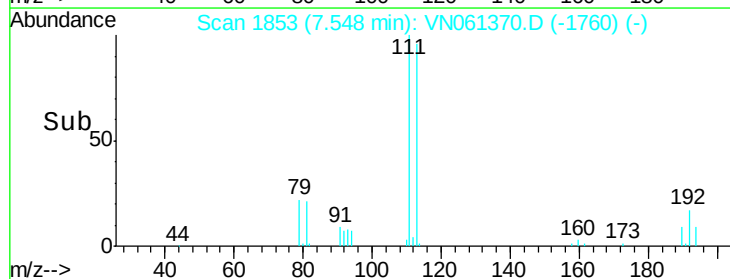
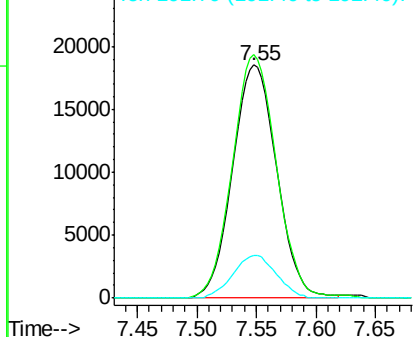


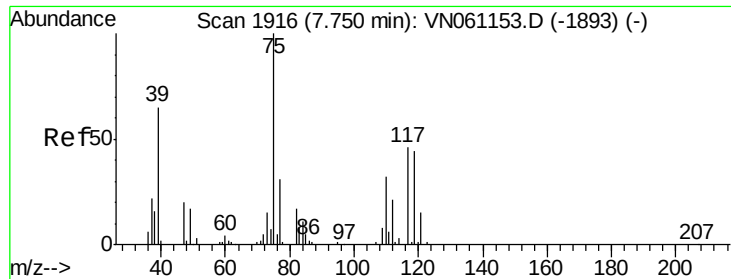
#35
Dibromofluoromethane
Concen: 43.438 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061370.D
Acq: 8 May 2020 18:28

Tgt Ion:113 Resp: 47564
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 17.9 14.7 22.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

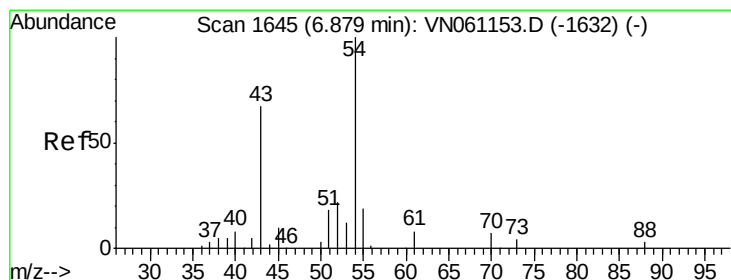
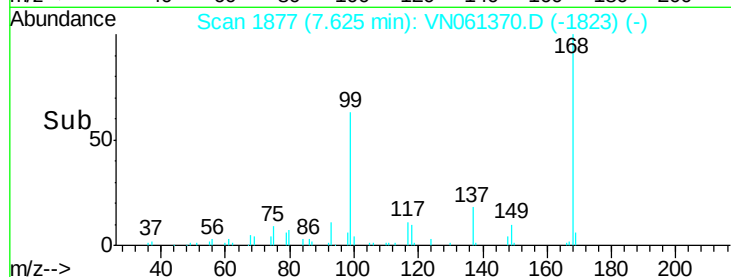
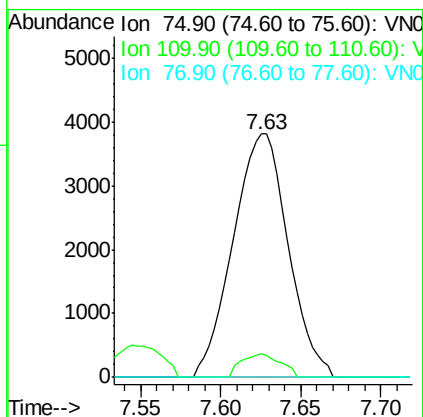
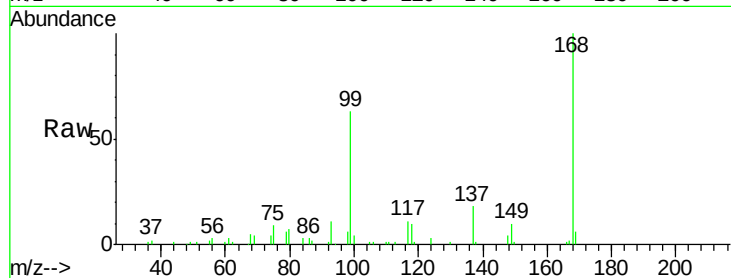




#36
 1,1-Dichloropropene
 Concen: 4.844 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061370.D
 Acq: 8 May 2020 18:28

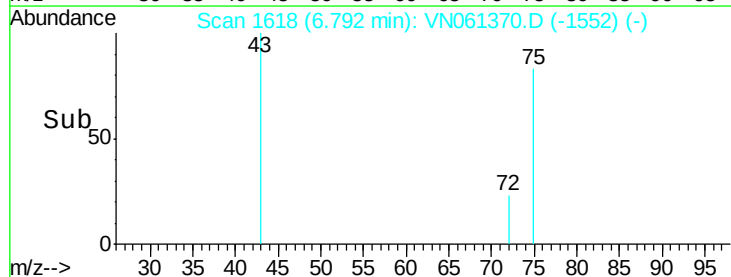
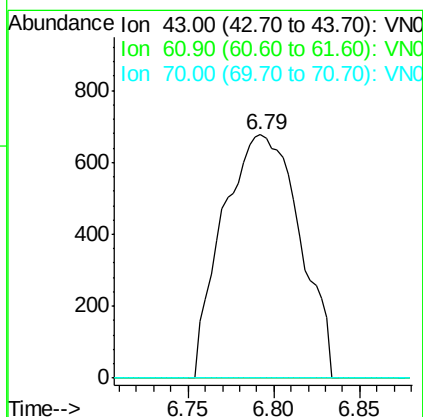
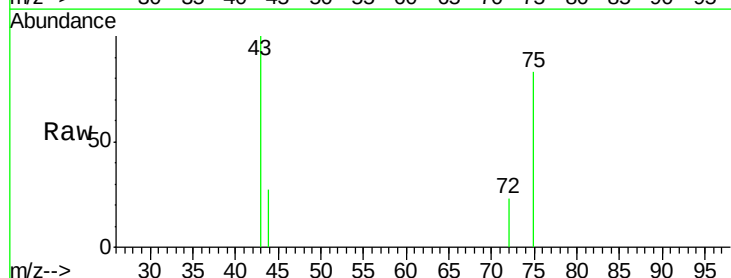
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 MSVOA_N
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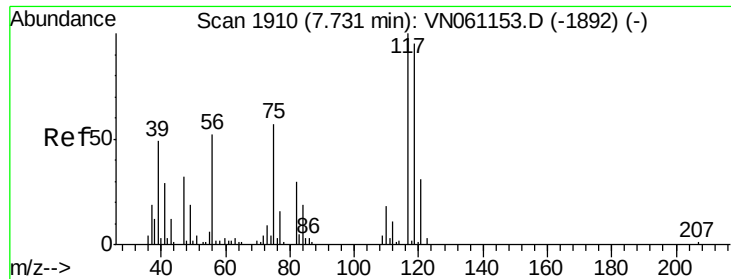
Tot Ion: 75 Resp: 8979
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.0 48.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 0.969 ug/l
 RT: 6.79 min Scan# 1618
 Delta R.T. -0.09 min
 Lab File: VN061370.D
 Acq: 8 May 2020 18:28

Tgt Ion: 43 Resp: 2106
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.2#
 70 0.0 7.2 10.8#

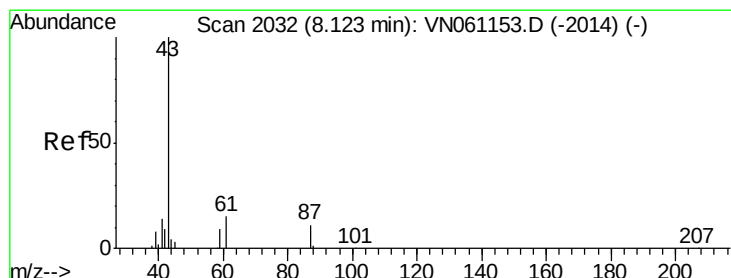
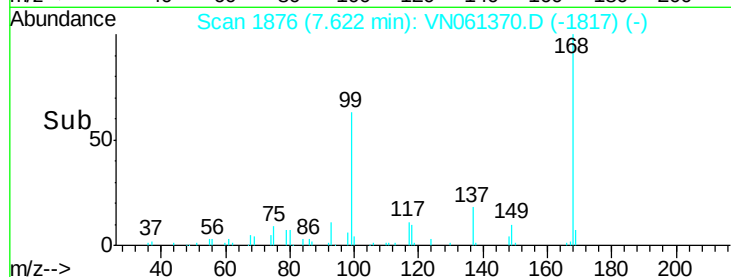
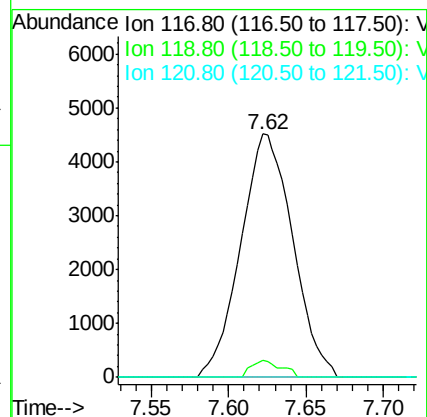
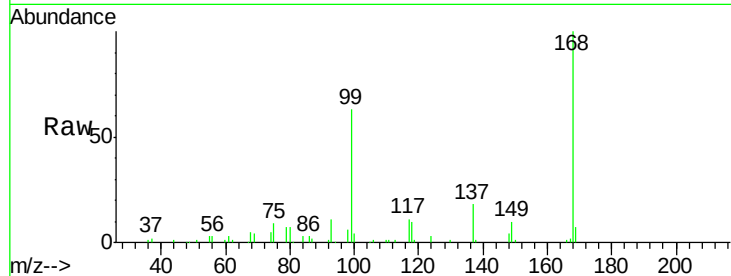




#38
Carbon Tetrachloride
Concen: 8.245 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. -0.11 min
Lab File: VN061370.D
Acq: 8 May 2020 18:28

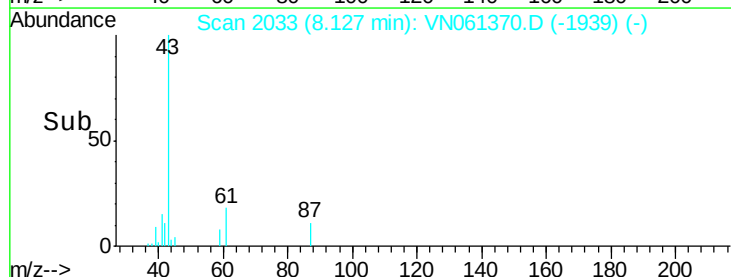
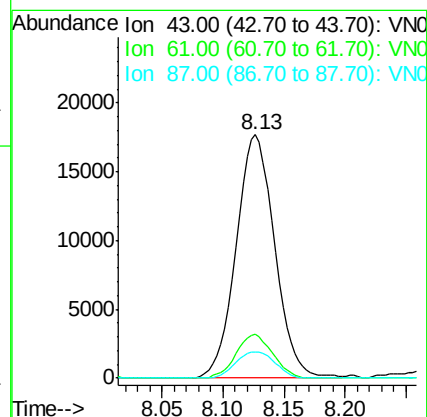
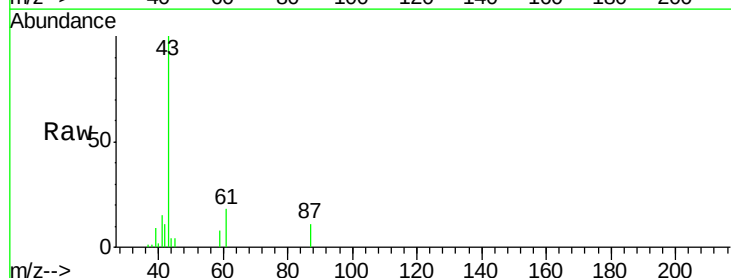
Instrument :
MSVOA_N
ClientSampled :

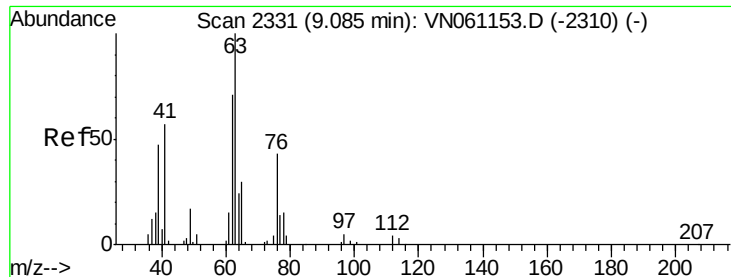
Tot Ion:117 Resp: 10560
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 10.743 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN061370.D
Acq: 8 May 2020 18:28

Tgt Ion: 43 Resp: 38746
Ion Ratio Lower Upper
43 100
61 16.9 19.5 29.3#
87 10.8 8.9 13.3

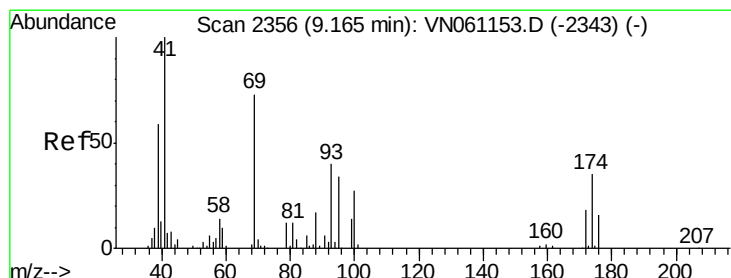
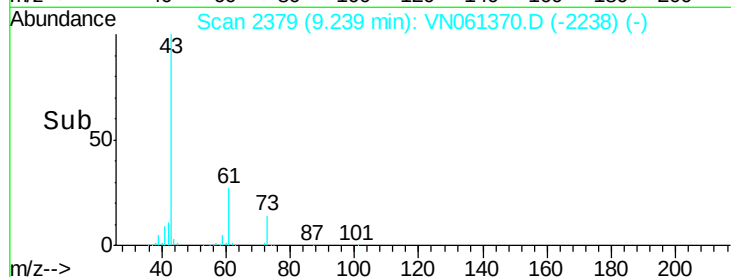
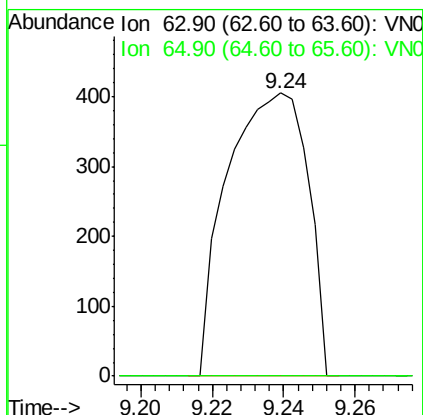
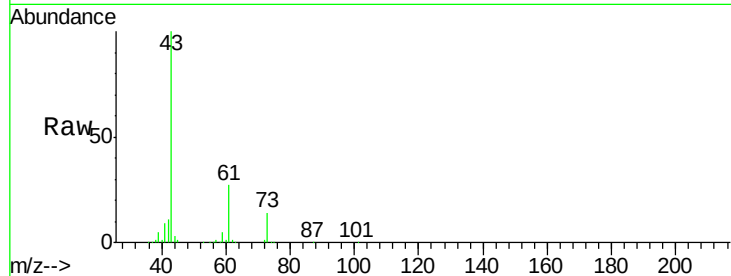




#45
 1,2-Dichloropropane
 Concen: 0.427 ug/l
 RT: 9.24 min Scan# 2379
 Delta R.T. 0.15 min
 Lab File: VN061370.D
 Acq: 8 May 2020 18:28

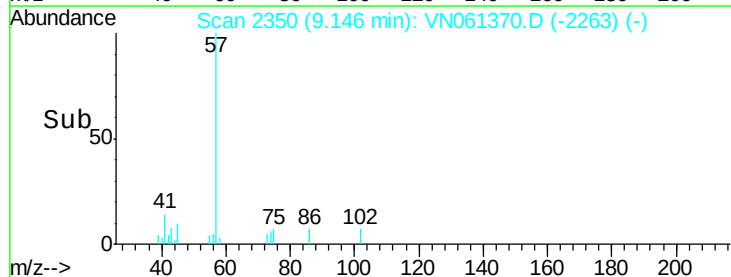
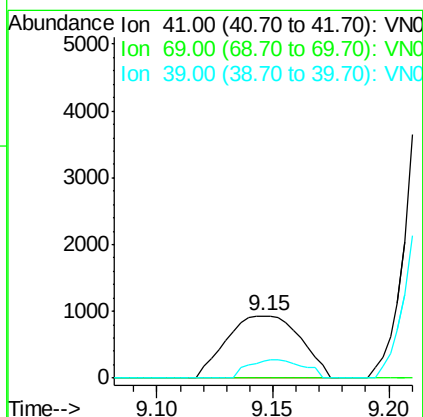
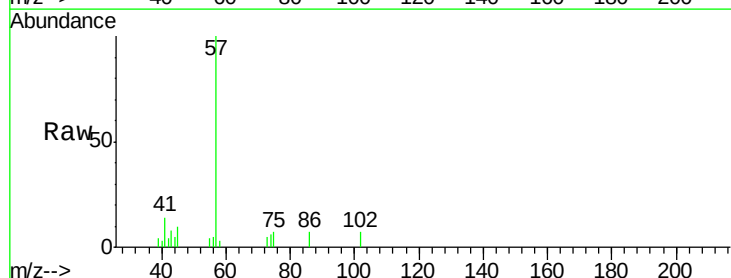
Instrument :
 MSVOA_N
 ClientSampled :

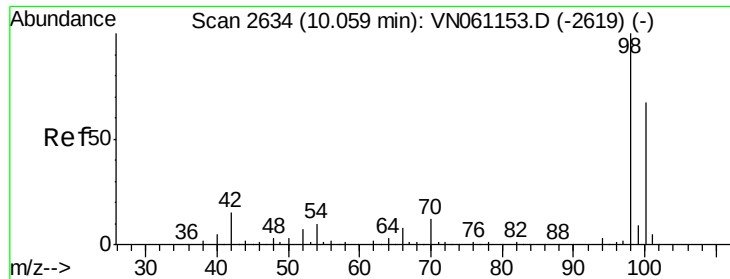
Tot Ion: 63 Resp: 630
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.7 37.1#



#48
 Methyl methacrylate
 Concen: 1.269 ug/l
 RT: 9.15 min Scan# 2350
 Delta R.T. -0.02 min
 Lab File: VN061370.D
 Acq: 8 May 2020 18:28

Tgt Ion: 41 Resp: 2066
 Ion Ratio Lower Upper
 41 100
 69 0.0 60.3 90.5#
 39 0.0 47.4 71.0#

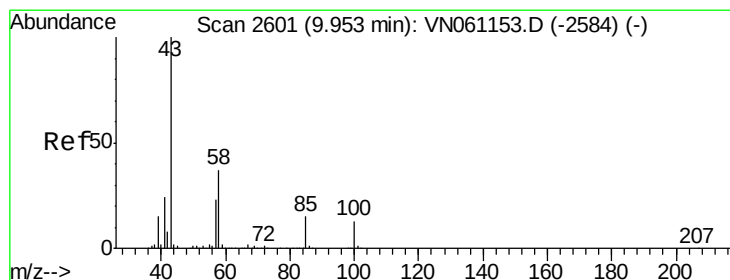
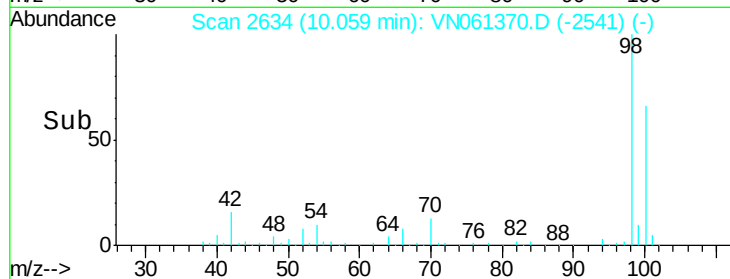
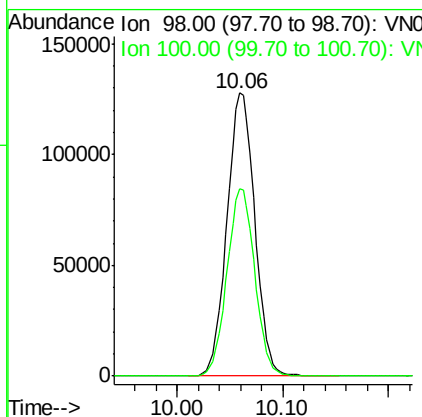
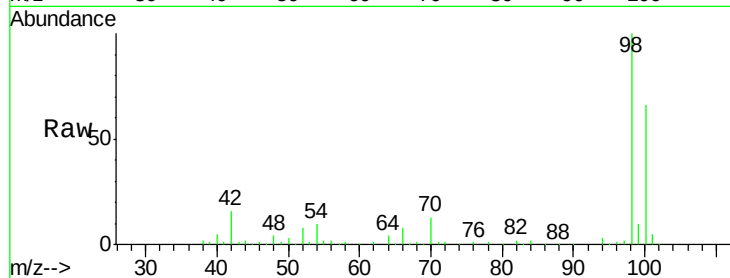




#50
Toluene-d8
Concen: 52.345 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. -0.00 min
Lab File: VN061370.D
Acq: 8 May 2020 18:28

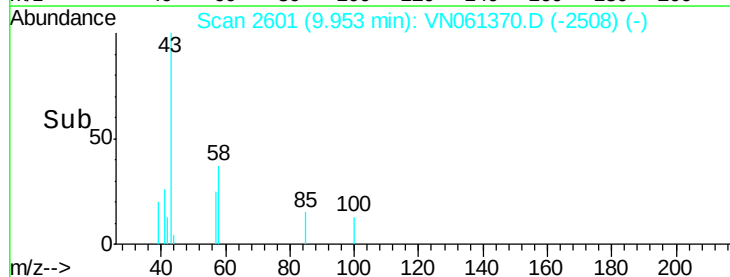
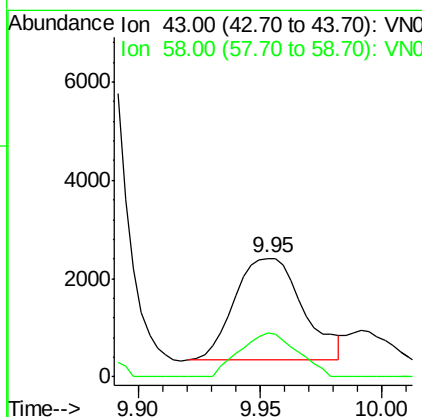
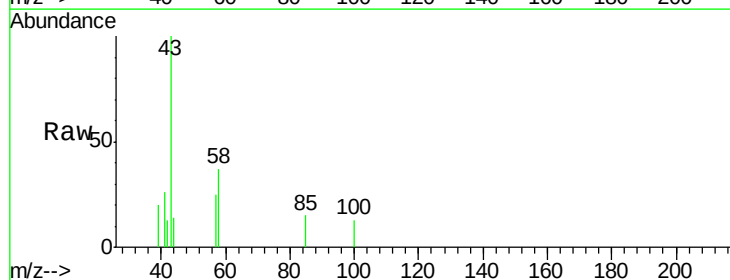
Instrument :
MSVOA_N
ClientSampleId :

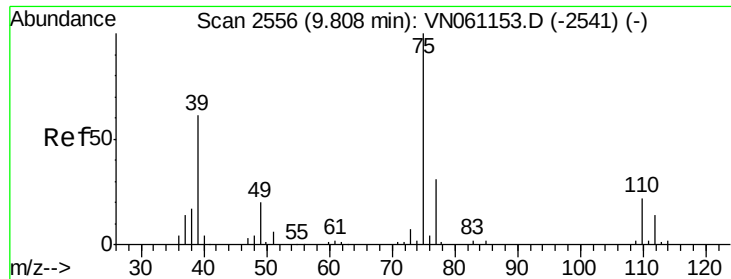
Tot Ion: 98 Resp: 233651
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 1.890 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. -0.00 min
Lab File: VN061370.D
Acq: 8 May 2020 18:28

Tgt Ion: 43 Resp: 4012
Ion Ratio Lower Upper
43 100
58 36.7 29.1 43.7



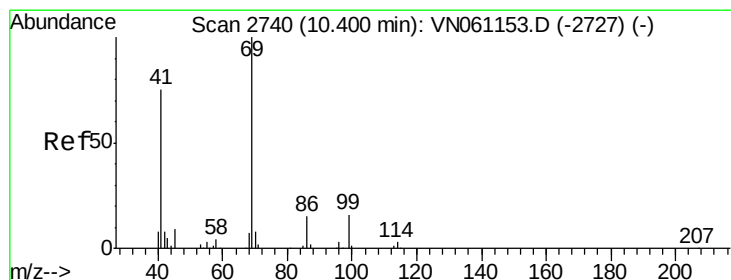
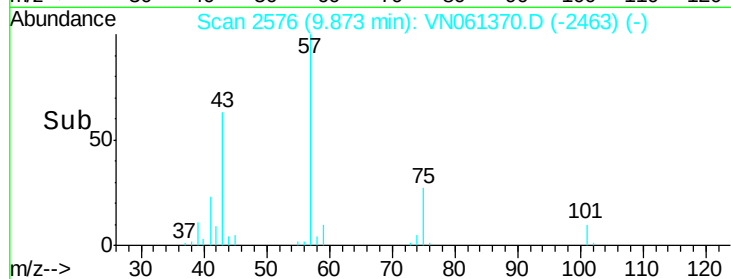
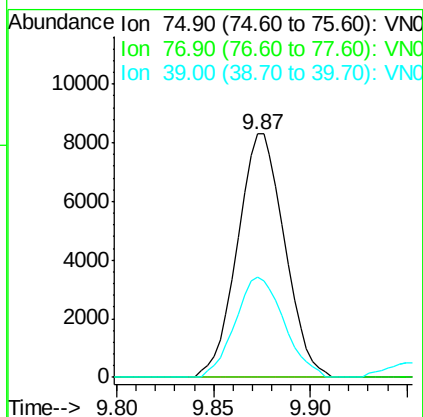
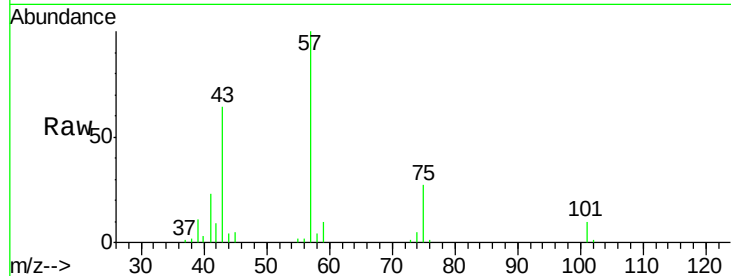


#54

cis-1,3-Dichloropropene
 Concen: 6.020 ug/l
 RT: 9.87 min Scan# 2576
 Delta R.T. 0.06 min
 Lab File: VN061370.D
 Acq: 8 May 2020 18:28

Instrument :
 MSVOA_N
 ClientSampleId :

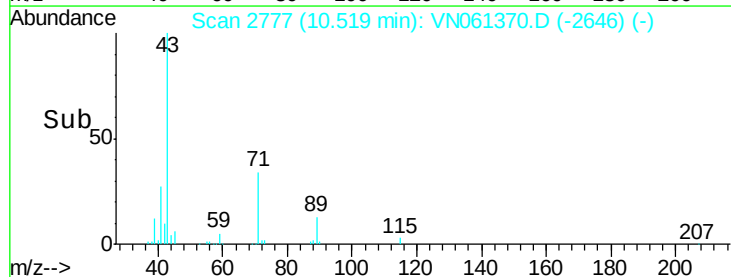
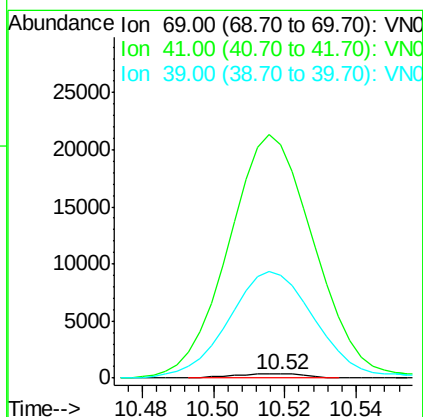
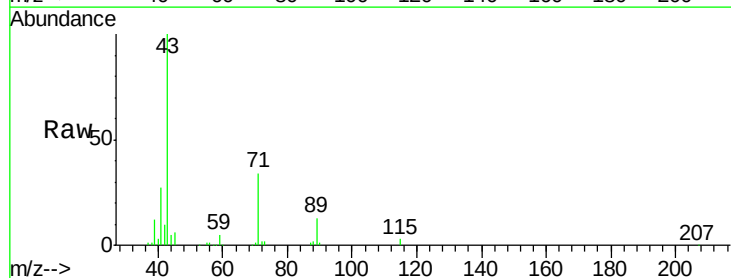
Tot Ion: 75 Resp: 14062
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 41.4 48.7 73.1#

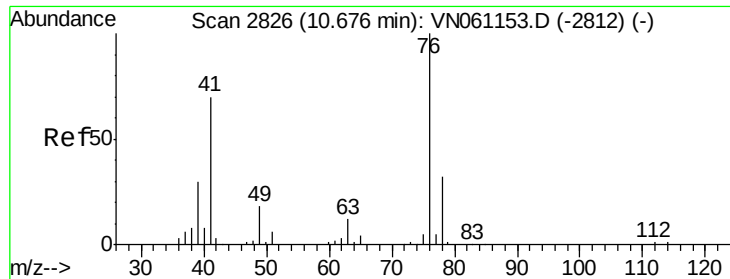


#56

Ethyl methacrylate
 Concen: 2.947 ug/l
 RT: 10.52 min Scan# 2777
 Delta R.T. 0.12 min
 Lab File: VN061370.D
 Acq: 8 May 2020 18:28

Tgt Ion: 69 Resp: 538
 Ion Ratio Lower Upper
 69 100
 41 6627.1 60.3 90.5#
 39 2952.8 35.9 53.9#





#57

1,3-Dichloropropane

Concen: 1.138 ug/l

RT: 10.73 min Scan# 2844

Delta R.T. 0.06 min

Lab File: VN061370.D

Acq: 8 May 2020 18:28

Instrument :

MSVOA_N

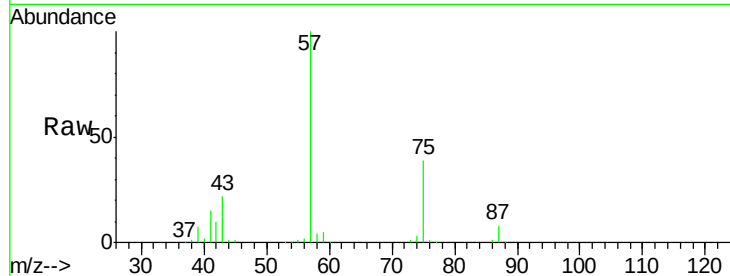
ClientSampled :

Tot Ion: 76 Resp: 2653

Ion Ratio Lower Upper

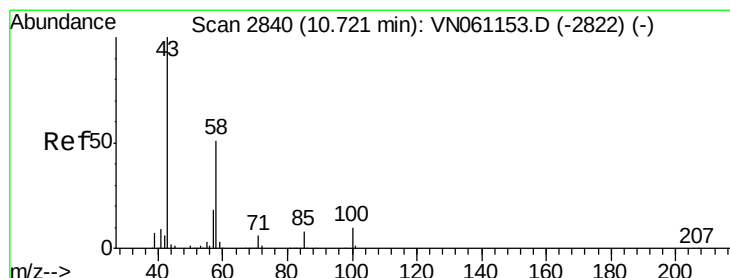
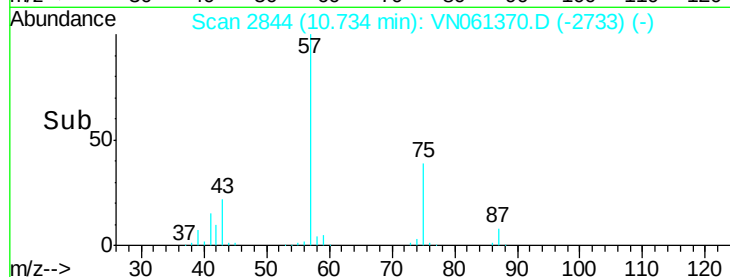
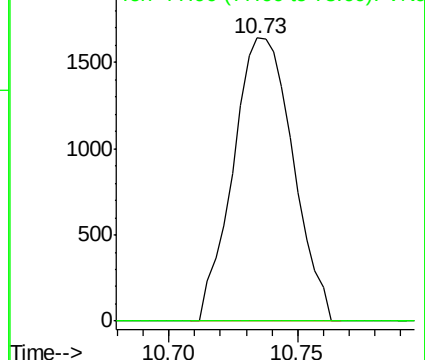
76 100

78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 28.314 ug/l

RT: 10.74 min Scan# 2845

Delta R.T. 0.02 min

Lab File: VN061370.D

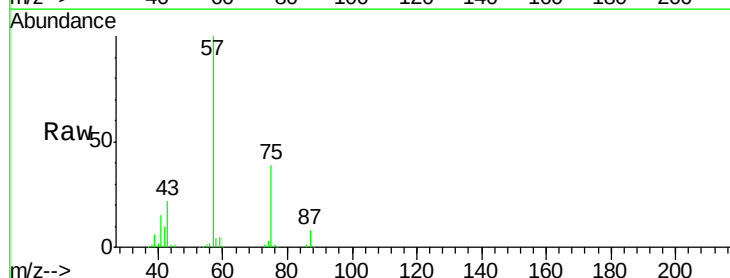
Acq: 8 May 2020 18:28

Tgt Ion: 43 Resp: 43729

Ion Ratio Lower Upper

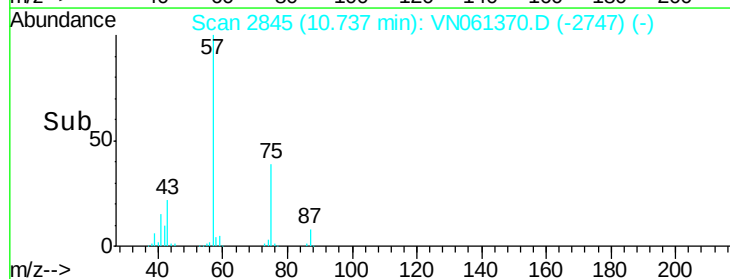
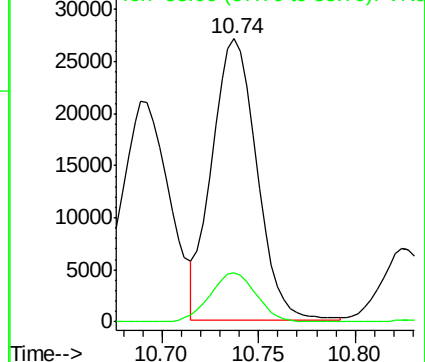
43 100

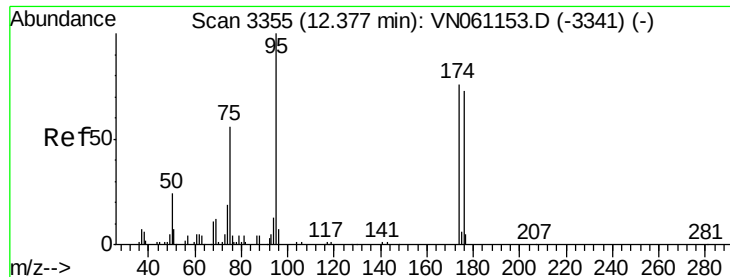
58 18.0 25.4 76.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.225 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN061370.D

Acq: 8 May 2020 18:28

Instrument :

MSVOA_N

ClientSampleId :

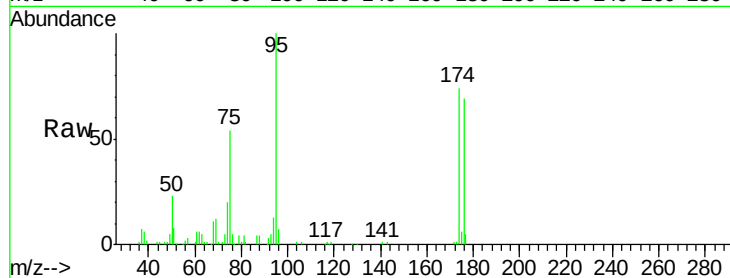
Tot Ion: 95 Resp: 87726

Ion Ratio Lower Upper

95 100

174 73.0 0.0 149.4

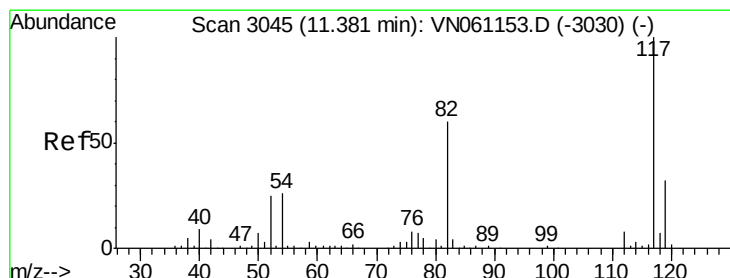
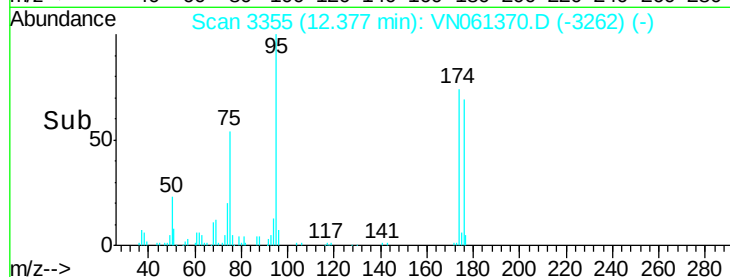
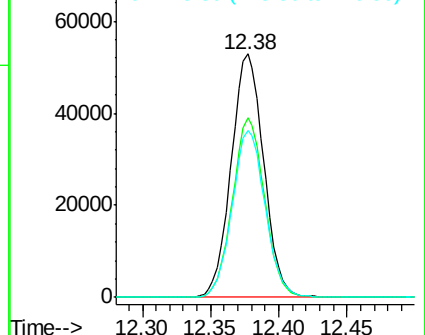
176 69.3 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061370.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061370.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061370.D (-3262) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. -0.00 min

Lab File: VN061370.D

Acq: 8 May 2020 18:28

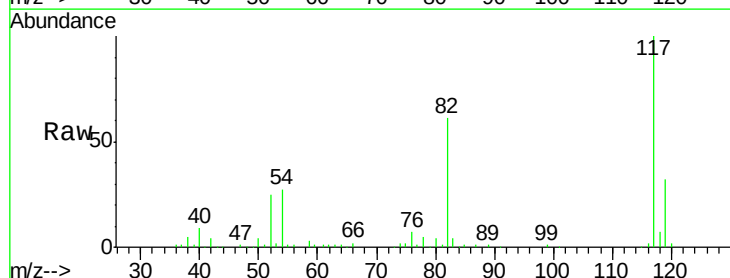
Tgt Ion: 117 Resp: 181745

Ion Ratio Lower Upper

117 100

82 60.7 47.8 71.8

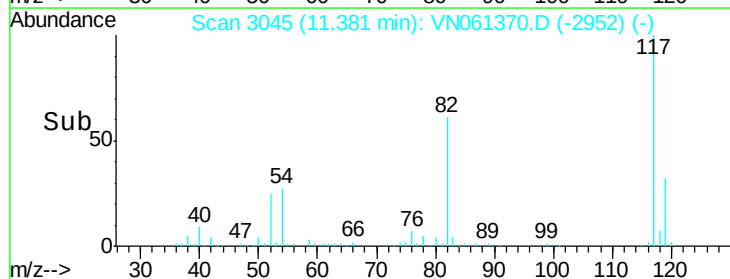
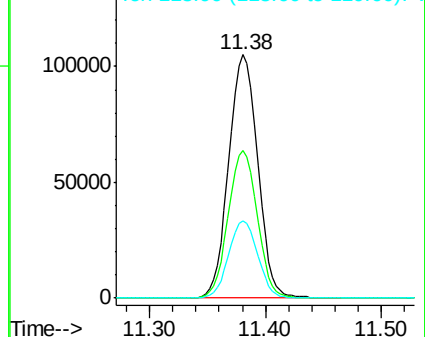
119 32.0 25.8 38.6

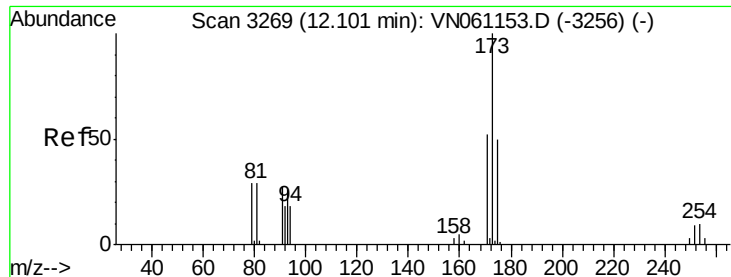


Abundance Ion 116.90 (116.60 to 117.60): VN061370.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061370.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061370.D (-2952) (-)





#71

Bromoform

Concen: 0.527 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.28 min

Lab File: VN061370.D

Acq: 8 May 2020 18:28

Instrument :

MSVOA_N

ClientSampleId :

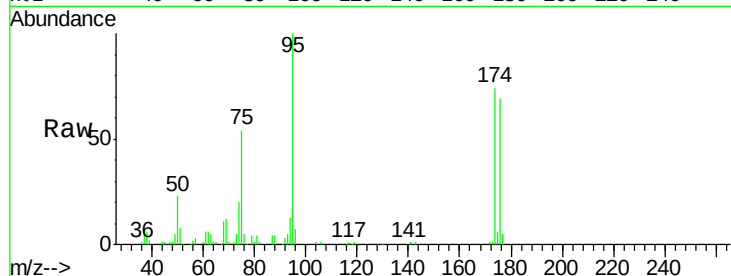
Tot Ion:173 Resp: 500

Ion Ratio Lower Upper

173 100

175 836.8 24.1 72.4#

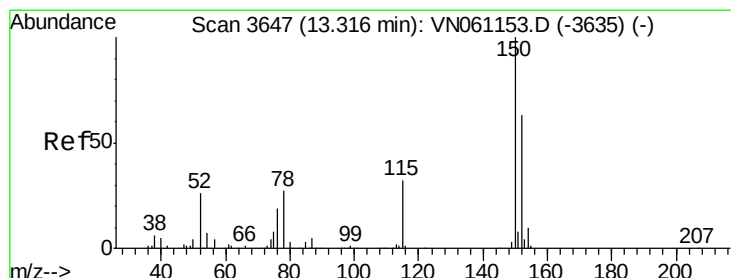
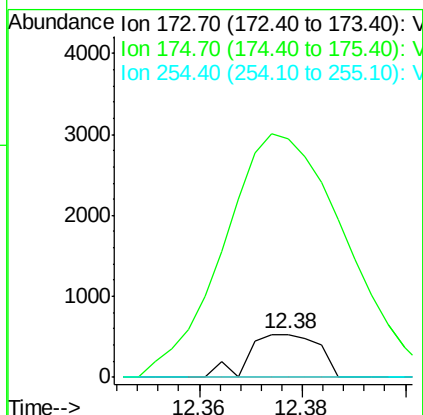
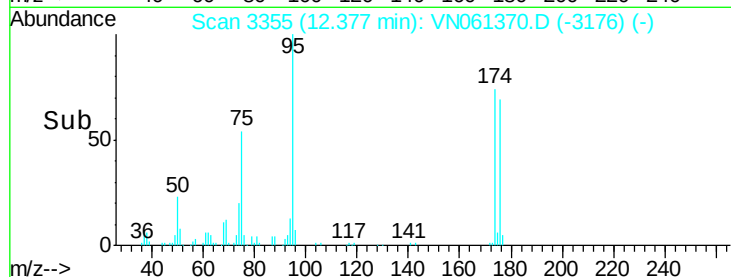
254 0.0 0.0 0.0



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: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061370.D

Acq: 8 May 2020 18:28

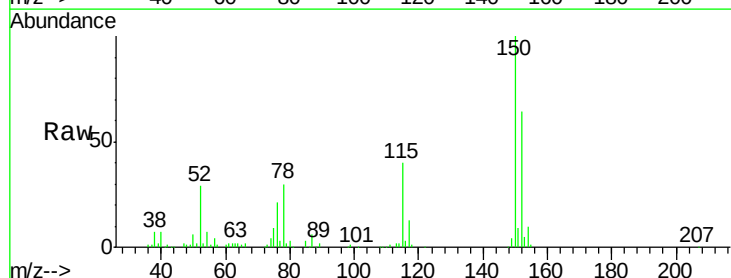
Tgt Ion:152 Resp: 78564

Ion Ratio Lower Upper

152 100

115 62.8 31.0 93.0

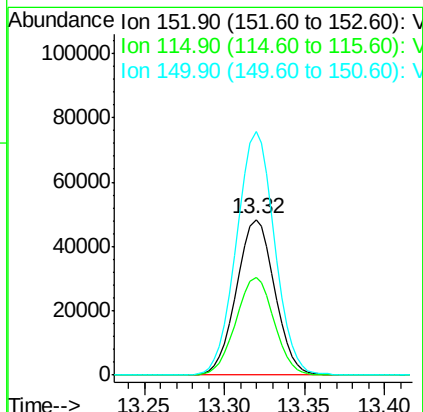
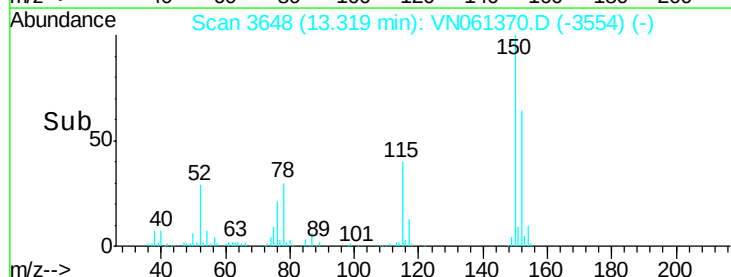
150 156.6 0.0 351.8

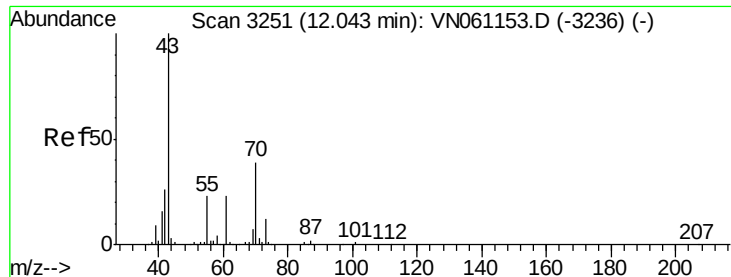


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.820 ug/l

RT: 12.00 min Scan# 3239

Delta R.T. -0.04 min

Lab File: VN061370.D

Acq: 8 May 2020 18:28

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2397

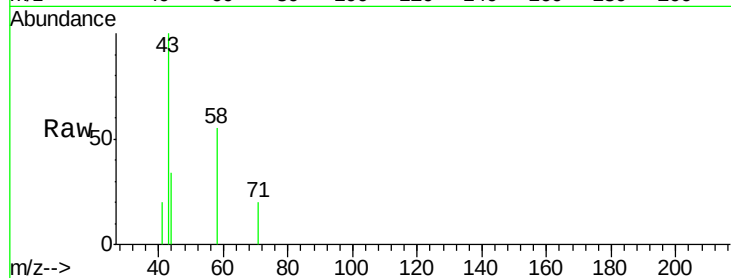
Ion Ratio Lower Upper

43 100

70 0.0 30.6 46.0#

55 0.0 18.5 27.7#

61 0.0 17.9 26.9#

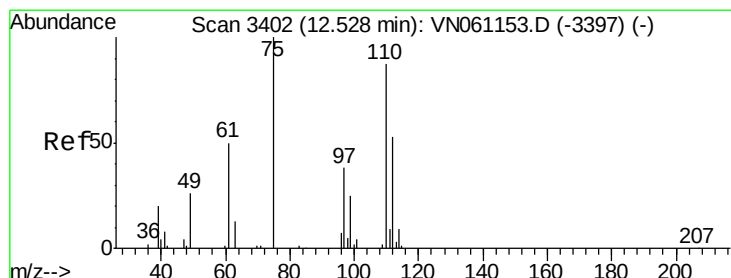
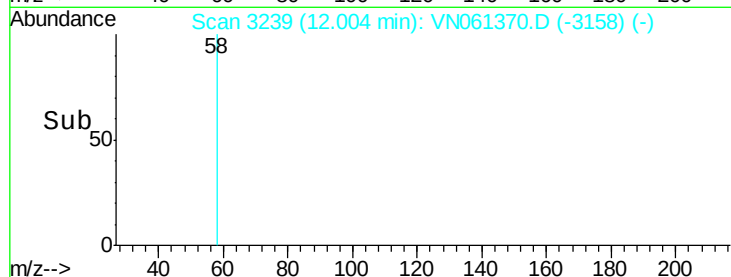
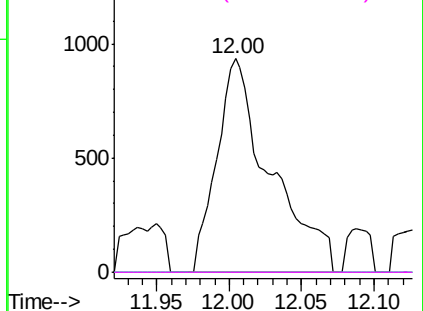


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 29.283 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061370.D

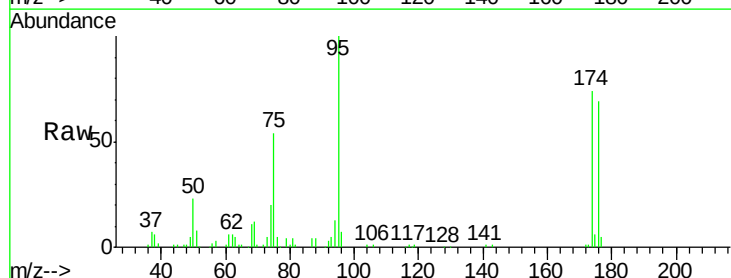
Acq: 8 May 2020 18:28

Tgt Ion: 75 Resp: 48503

Ion Ratio Lower Upper

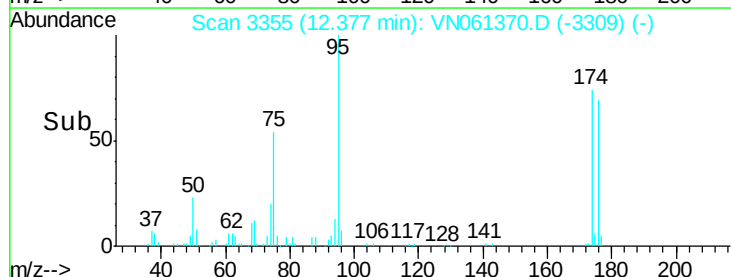
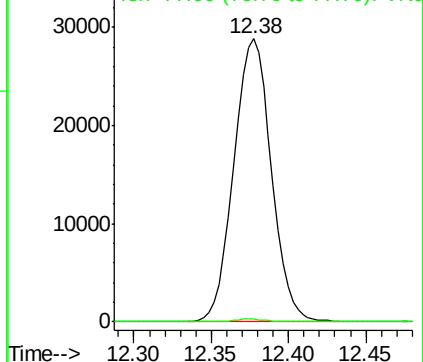
75 100

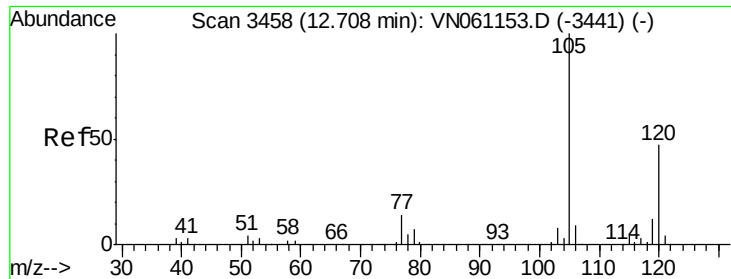
77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

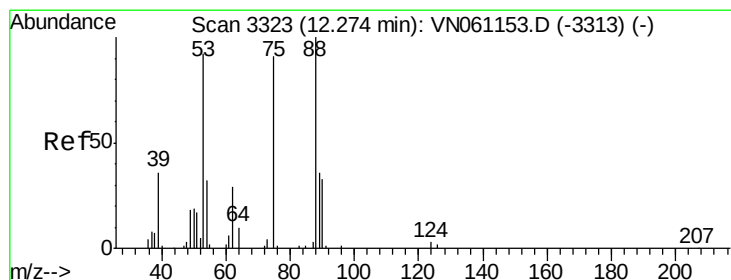
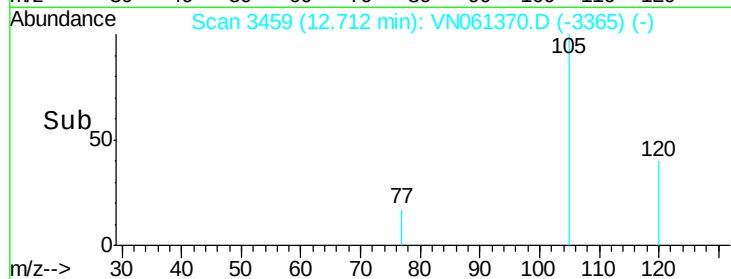
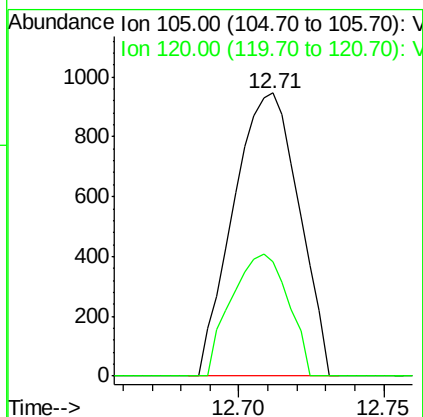
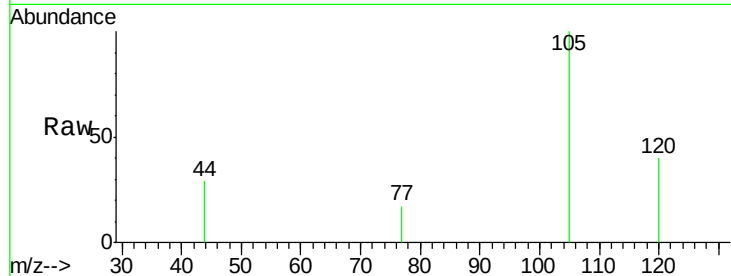




#80
 1,3,5-Trimethylbenzene
 Concen: 0.310 ug/l
 RT: 12.71 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN061370.D
 Acq: 8 May 2020 18:28

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:105 Resp: 1484
 Ion Ratio Lower Upper
 105 100
 120 37.5 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.364 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.10 min
 Lab File: VN061370.D
 Acq: 8 May 2020 18:28

Tgt Ion: 75 Resp: 48503
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#

