

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061373.D
 Acq On : 8 May 2020 19:38
 Operator : JC/MD
 Sample : PB128729ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 09 00:49:50 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	89348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	167702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	168992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	71792	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	78186	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	
35) Dibromofluoromethane	7.55	113	43720	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	
50) Toluene-d8	10.06	98	215286	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	
62) 4-Bromofluorobenzene	12.38	95	81118	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	

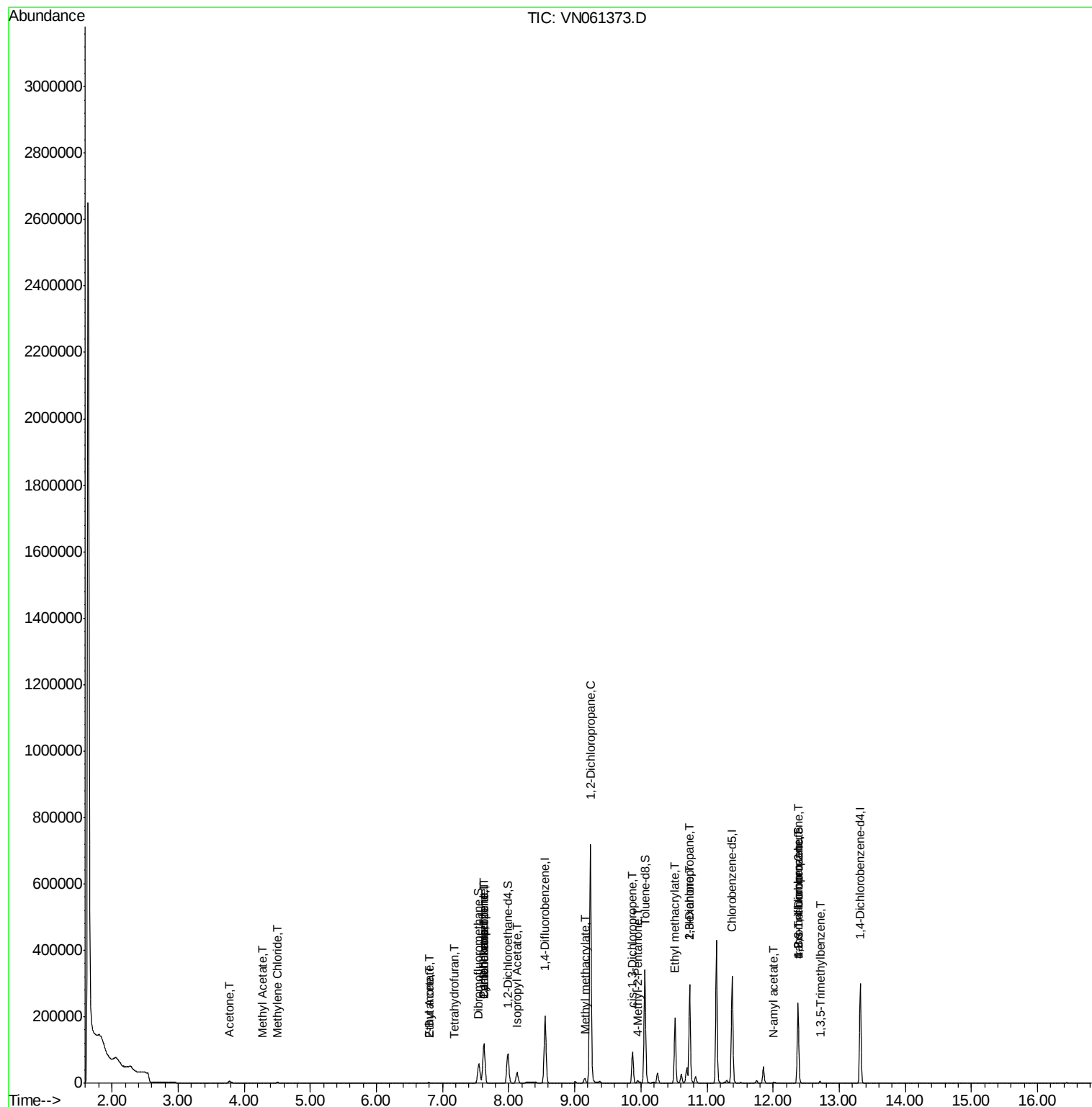
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	10616	14.205	ug/l	100
18) Methyl Acetate	4.27	43	1242	1.366	ug/l #	55
20) Methylene Chloride	4.50	84	961	0.872	ug/l	92
25) 2-Butanone	6.80	43	2239	2.676	ug/l	96
29) Tetrahydrofuran	7.17	42	479	0.850	ug/l #	37
31) Cyclohexane	7.62	56	2437	1.185	ug/l #	38
36) 1,1-Dichloropropene	7.63	75	7985	4.756	ug/l #	49
37) Ethyl Acetate	6.80	43	2239	1.138	ug/l #	71
38) Carbon Tetrachloride	7.63	117	9715	8.339	ug/l #	18
43) Isopropyl Acetate	8.13	43	39559	12.111	ug/l #	90
45) 1,2-Dichloropropane	9.23	63	697	0.522	ug/l #	44
48) Methyl methacrylate	9.15	41	2160	1.465	ug/l #	16
51) 4-Methyl-2-Pentanone	9.95	43	5428	2.823	ug/l #	87
54) cis-1,3-Dichloropropene	9.88	75	15132	7.153	ug/l #	63
56) Ethyl methacrylate	10.51	69	674	3.031	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2862	1.355	ug/l #	43
59) 2-Hexanone	10.74	43	45618	32.614	ug/l #	52
74) N-amyl acetate	12.01	43	1817	0.680	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	45060	29.771	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2760	0.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	45060	75.602	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
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

Instrument :

MSVOA_N

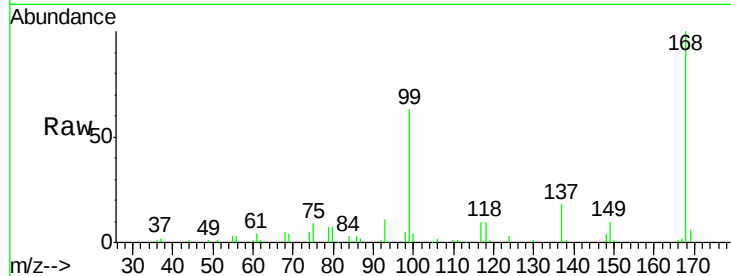
ClientSampled :

Tot Ion:168 Resp: 89348

Ion Ratio Lower Upper

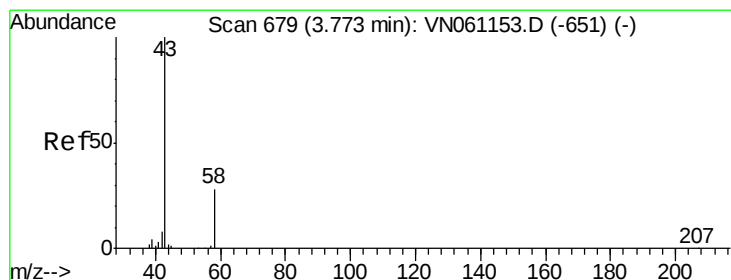
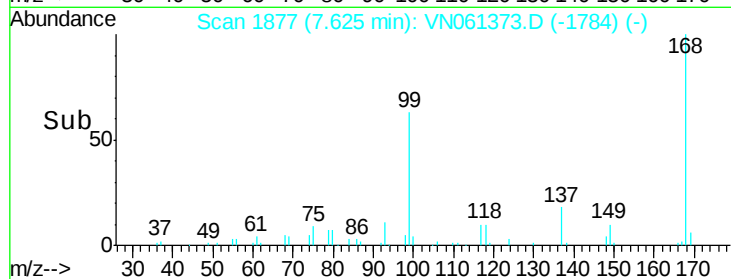
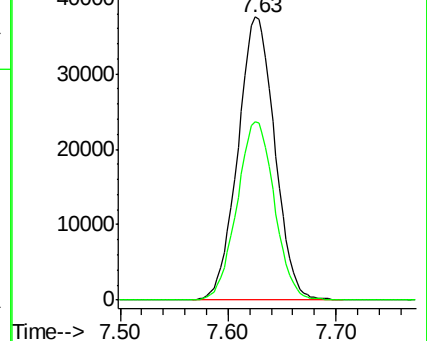
168 100

99 63.1 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 14.205 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061373.D

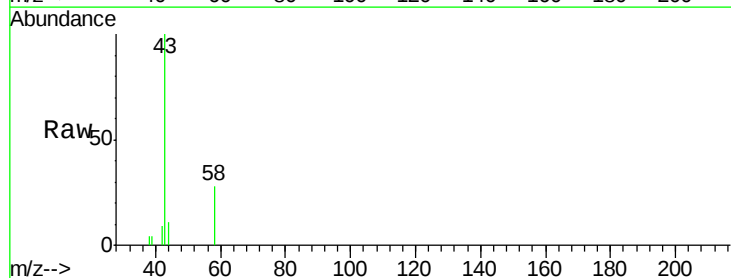
Acq: 8 May 2020 19:38

Tgt Ion: 43 Resp: 10616

Ion Ratio Lower Upper

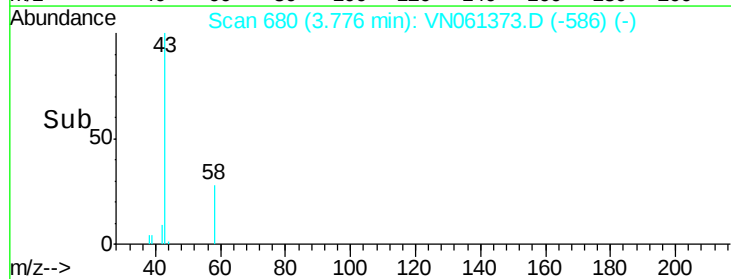
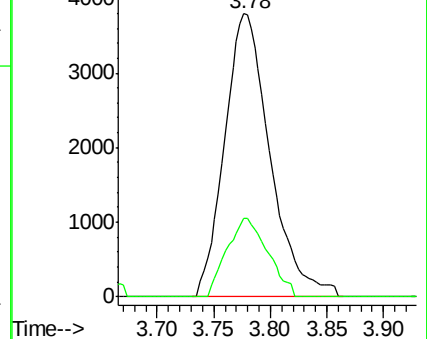
43 100

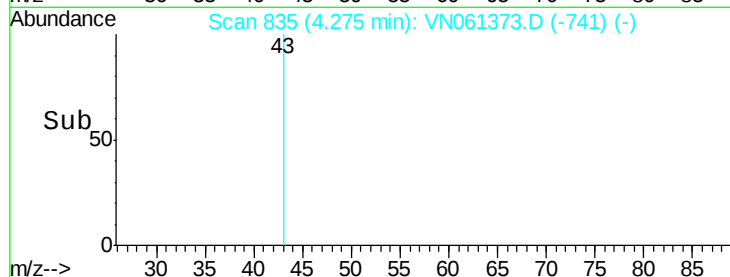
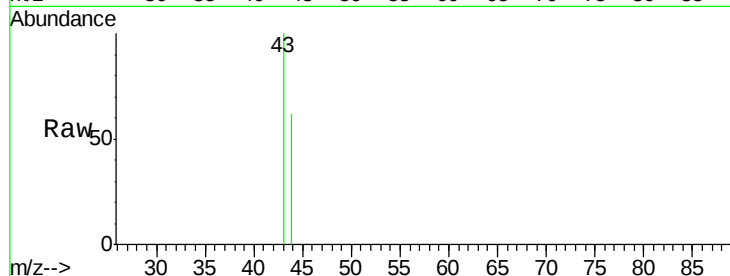
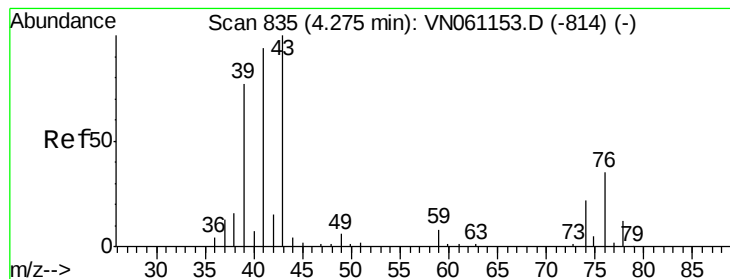
58 27.6 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#18

Methyl Acetate

Concen: 1.366 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

Instrument :

MSVOA_N

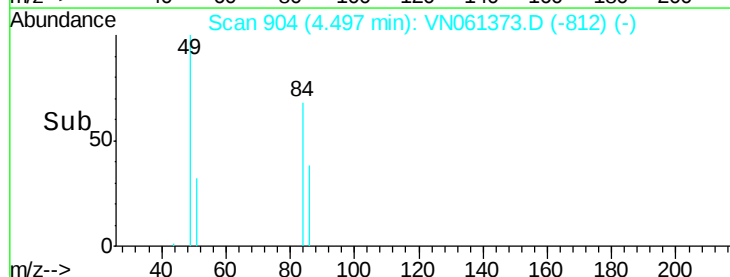
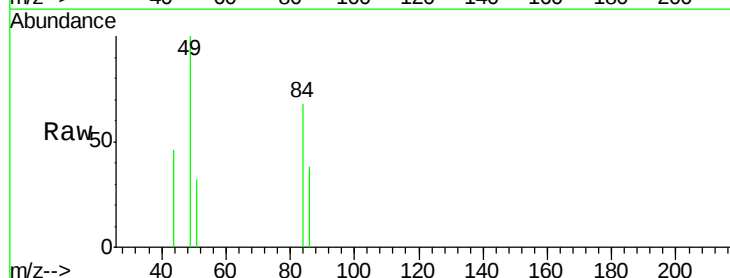
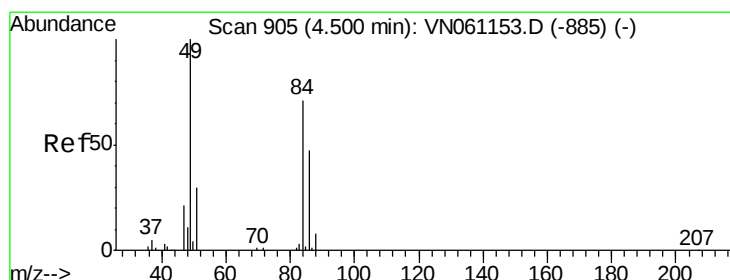
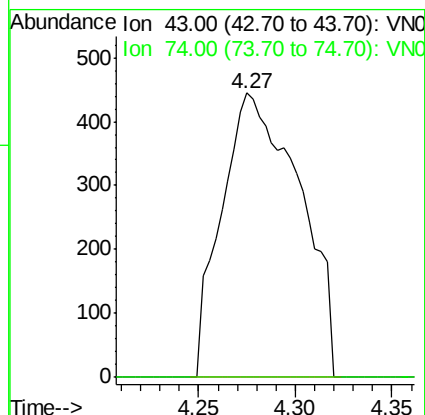
ClientSampled :

Tot Ion: 43 Resp: 1242

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#



#20

Methylene Chloride

Concen: 0.872 ug/l

RT: 4.50 min Scan# 904

Delta R.T. -0.00 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

Tgt Ion: 84 Resp: 961

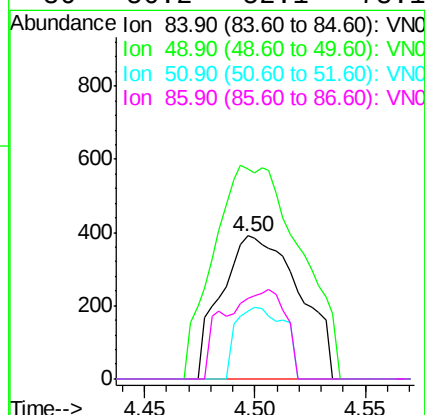
Ion Ratio Lower Upper

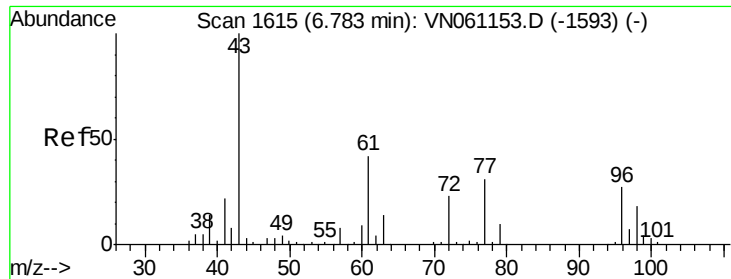
84 100

49 146.9 112.0 168.0

51 47.4 33.6 50.4

86 56.2 52.1 78.1





#25

2-Butanone

Concen: 2.676 ug/l

RT: 6.80 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

Instrument :

MSVOA_N

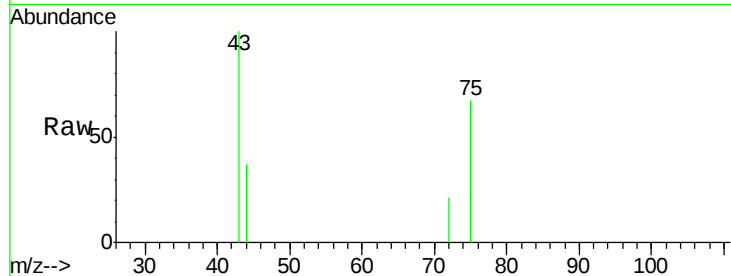
ClientSampled :

Tot Ion: 43 Resp: 2239

Ion Ratio Lower Upper

43 100

72 20.9 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.80

800

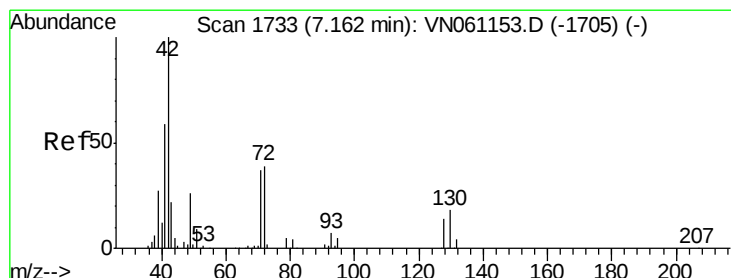
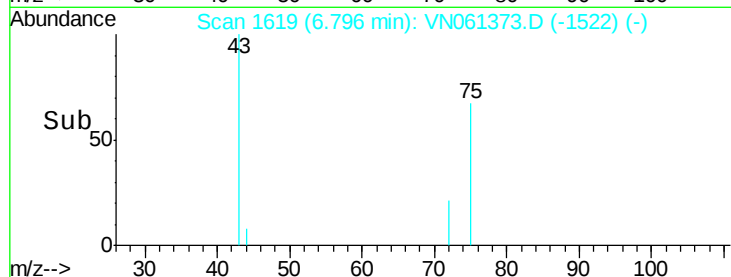
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 0.850 ug/l

RT: 7.17 min Scan# 1736

Delta R.T. 0.01 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

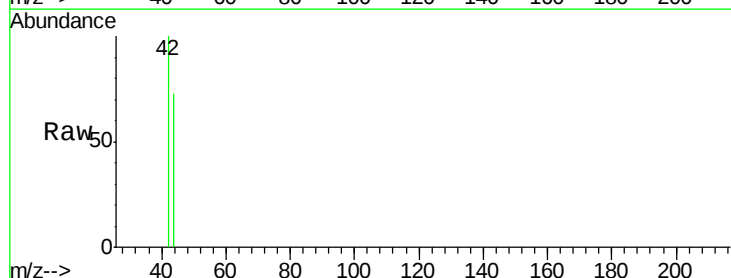
Tgt Ion: 42 Resp: 479

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 0.0 29.5 44.3#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

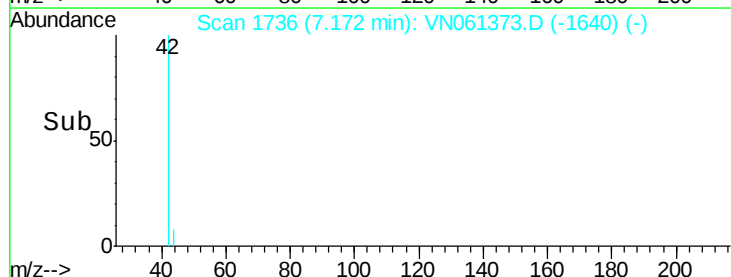
300

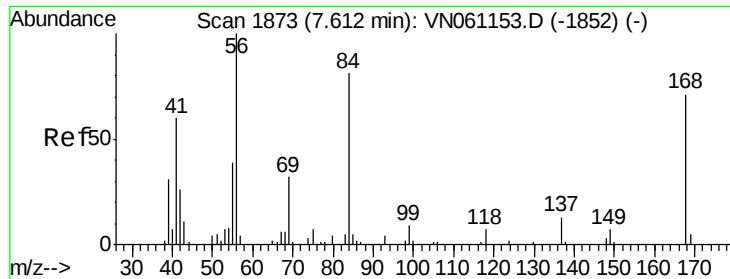
200

100

0

Time-->

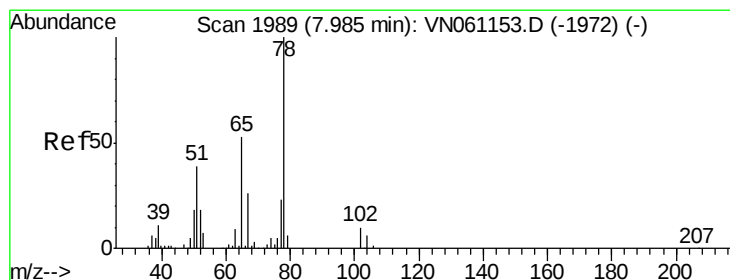
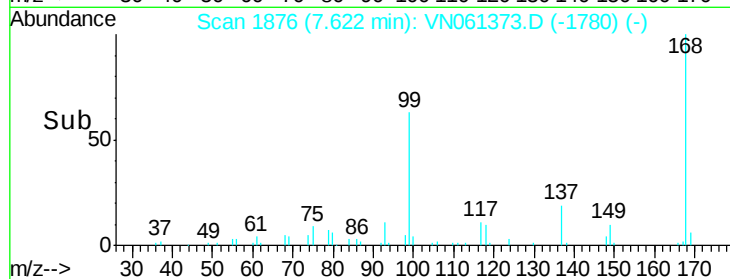
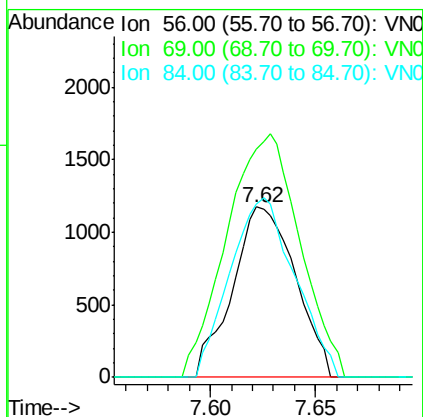
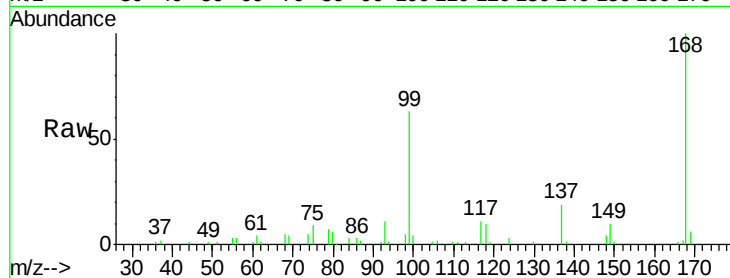




#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061373.D
Acq: 8 May 2020 19:38

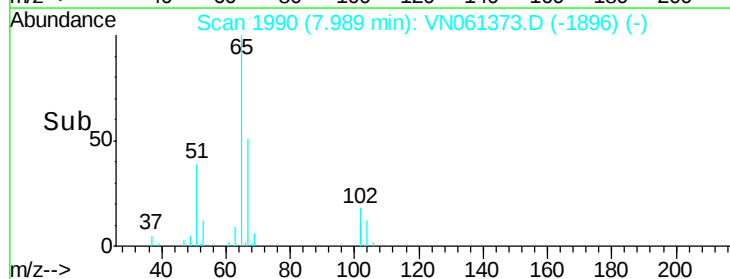
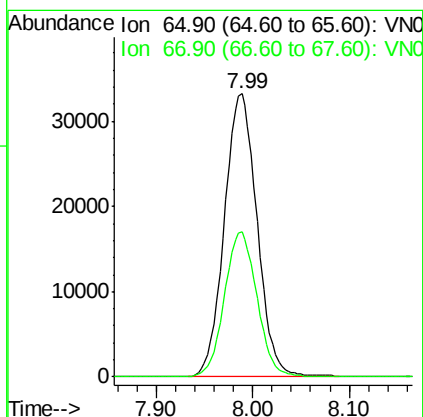
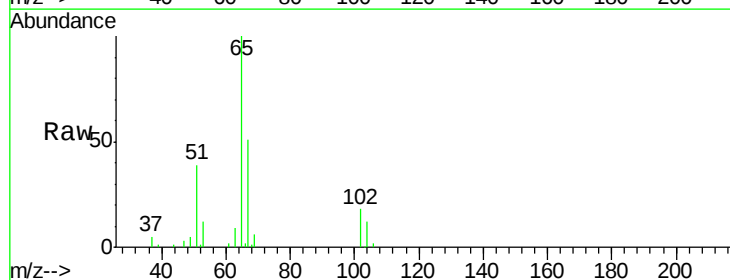
Instrument :
MSVOA_N
ClientSampled :

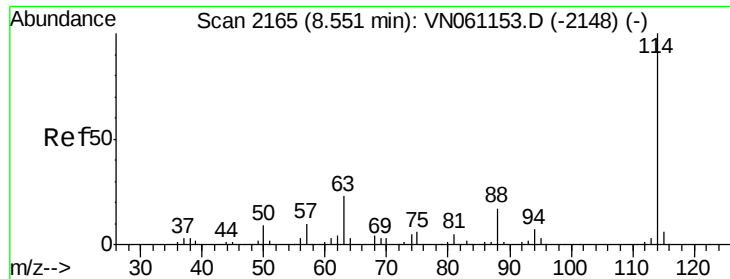
Tot Ion: 56 Resp: 2437
Ion Ratio Lower Upper
56 100
69 120.4 25.7 38.5#
84 101.7 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 55.303 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061373.D
Acq: 8 May 2020 19:38

Tgt Ion: 65 Resp: 78186
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.6

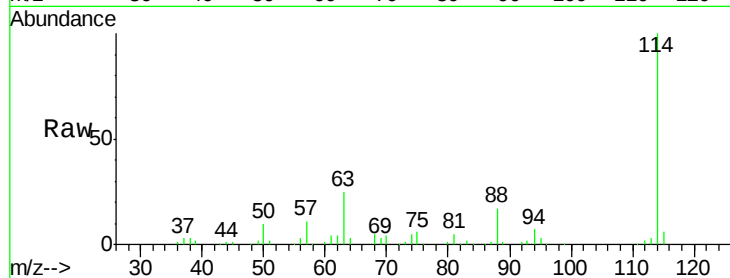




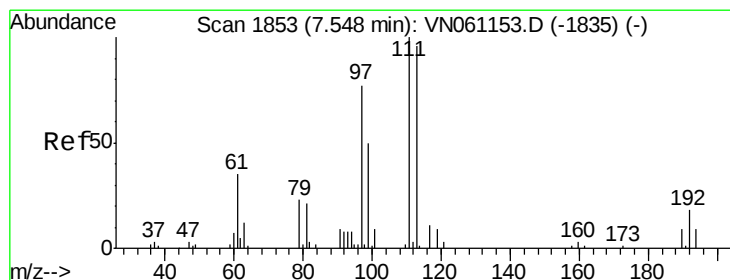
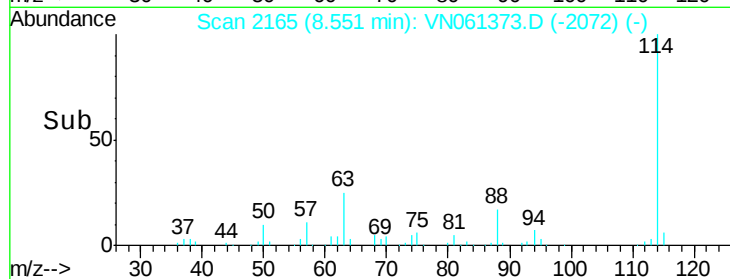
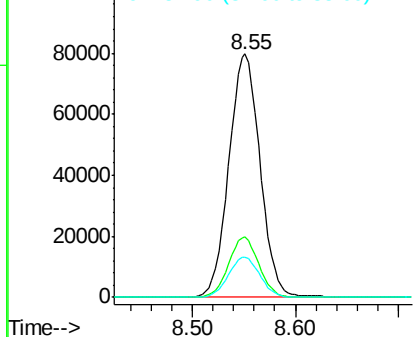
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VN061373.D
Acq: 8 May 2020 19:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:114 Resp: 167702
Ion Ratio Lower Upper
114 100
63 24.8 0.0 46.6
88 16.6 0.0 33.4

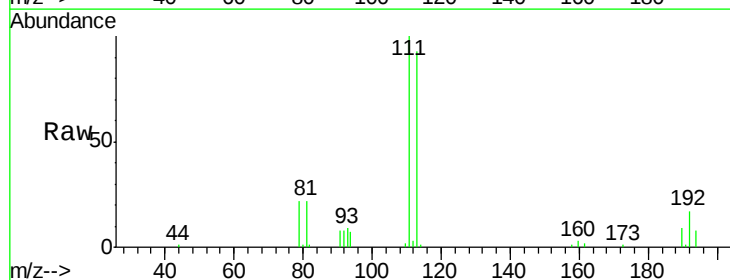


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

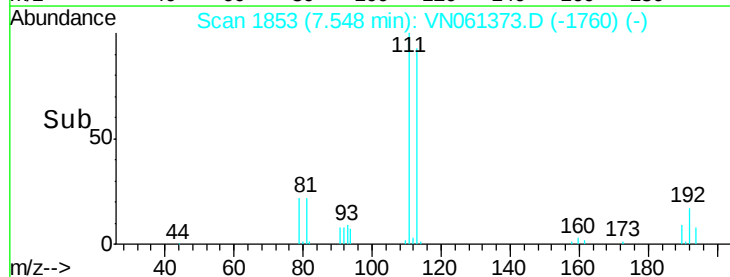
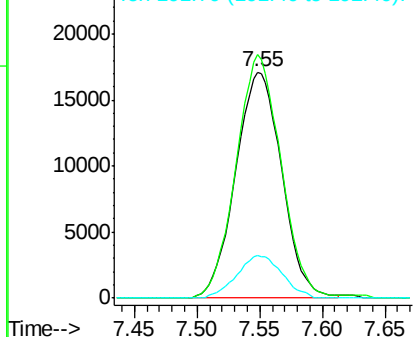


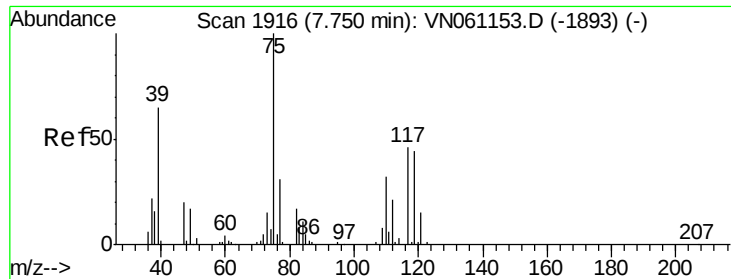
#35
Dibromofluoromethane
Concen: 44.088 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061373.D
Acq: 8 May 2020 19:38

Tgt Ion:113 Resp: 43720
Ion Ratio Lower Upper
113 100
111 104.8 82.9 124.3
192 18.4 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

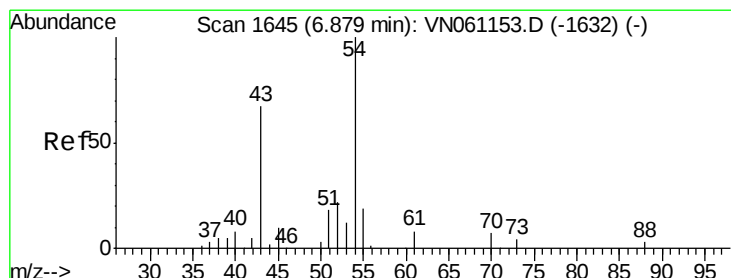
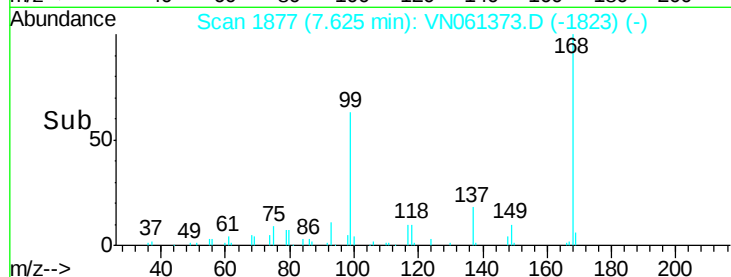
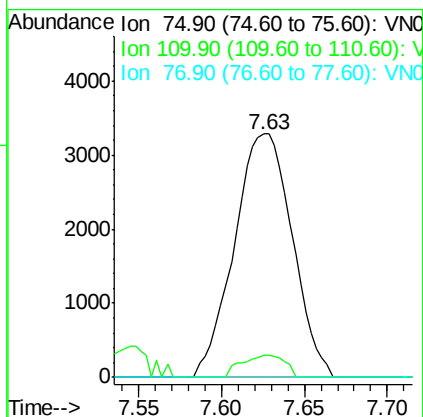
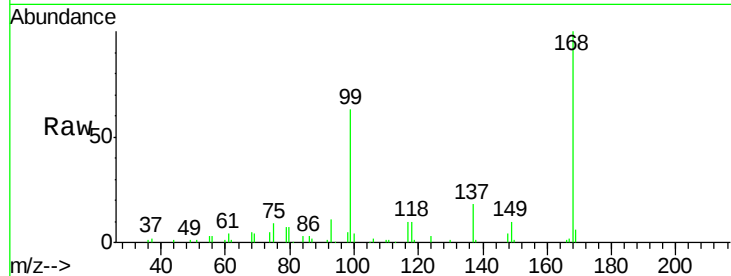




#36
 1,1-Dichloropropene
 Concen: 4.756 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061373.D
 Acq: 8 May 2020 19:38

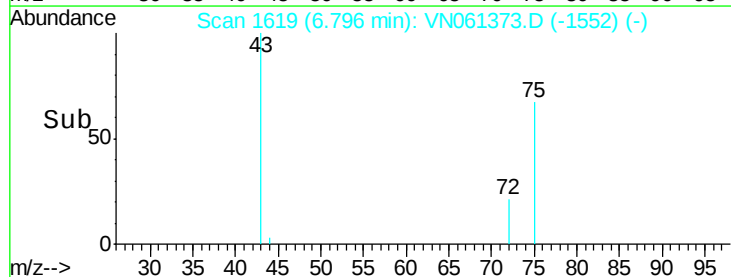
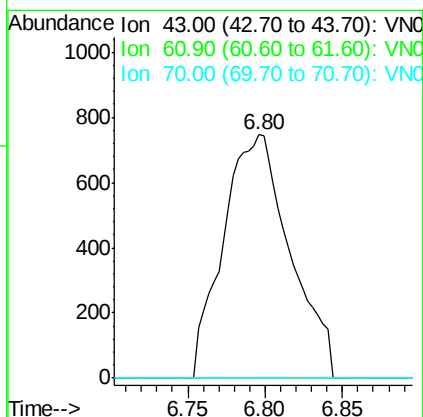
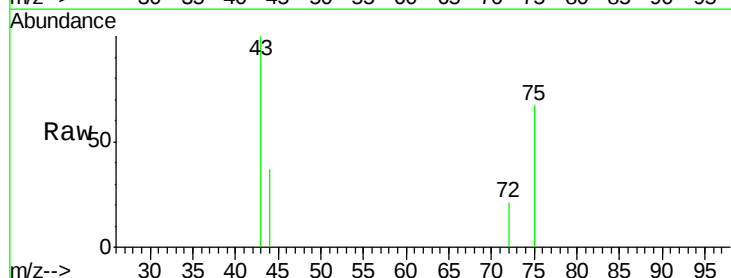
Instrument :
 MSVOA_N
 ClientSampleId :

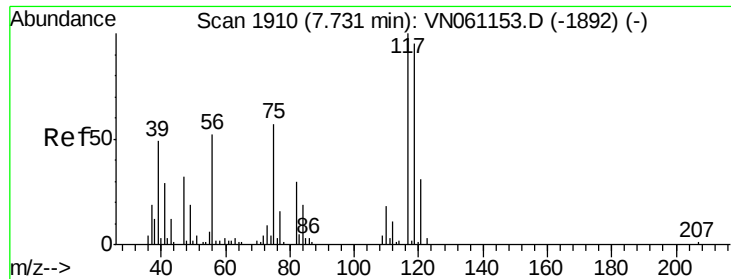
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.8	16.0	48.0#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 1.138 ug/l
 RT: 6.80 min Scan# 1619
 Delta R.T. -0.08 min
 Lab File: VN061373.D
 Acq: 8 May 2020 19:38

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





#38

Carbon Tetrachloride

Concen: 8.339 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

Instrument :

MSVOA_N

ClientSampled :

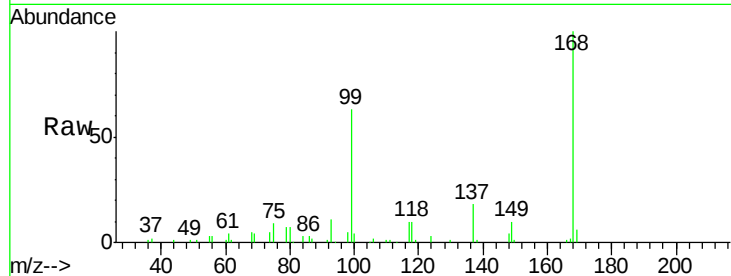
Tot Ion:117 Resp: 9715

Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

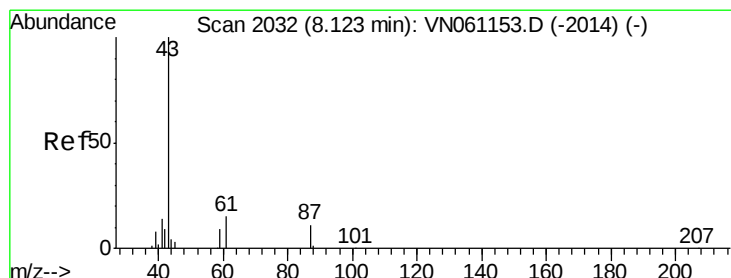
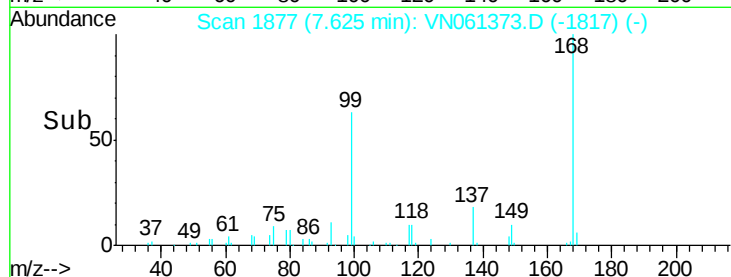
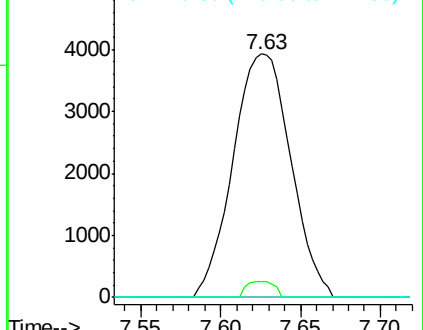
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 12.111 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

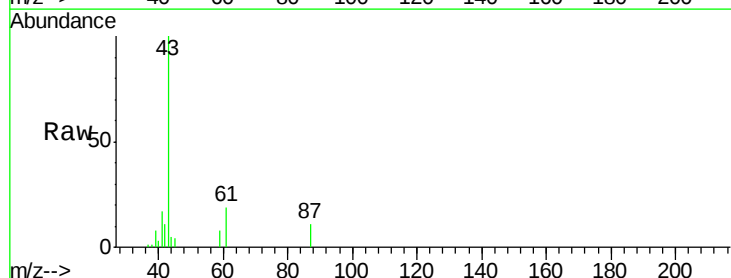
Tgt Ion: 43 Resp: 39559

Ion Ratio Lower Upper

43 100

61 17.6 19.5 29.3#

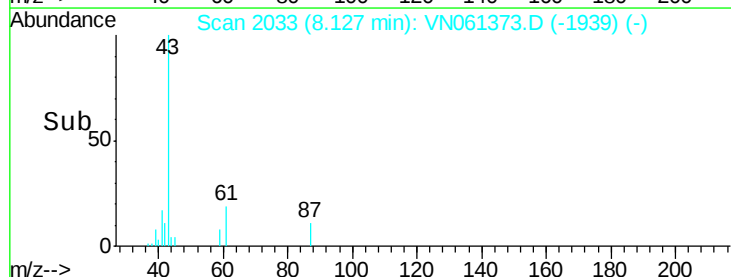
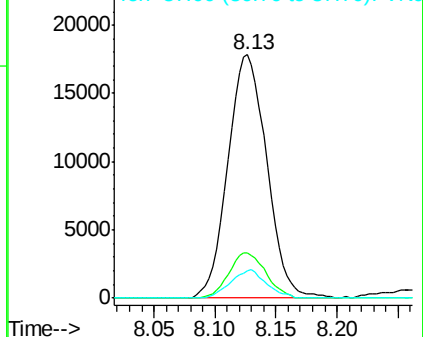
87 10.7 8.9 13.3

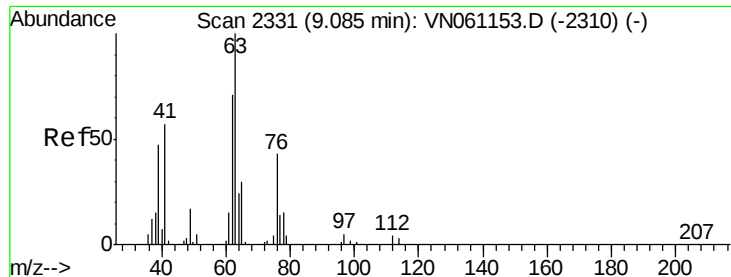


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.522 ug/l

RT: 9.23 min Scan# 2377

Delta R.T. 0.15 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

Instrument :

MSVOA_N

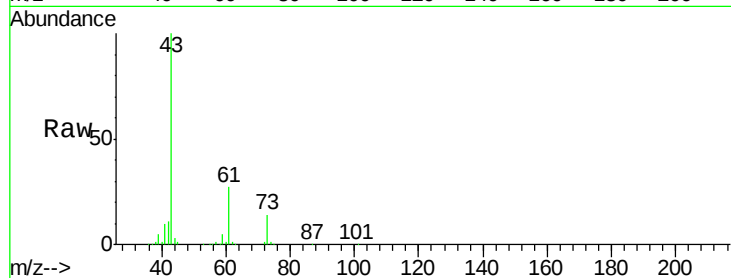
ClientSampleId :

Tot Ion: 63 Resp: 697

Ion Ratio Lower Upper

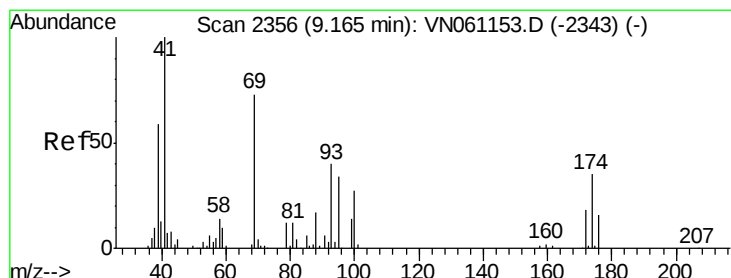
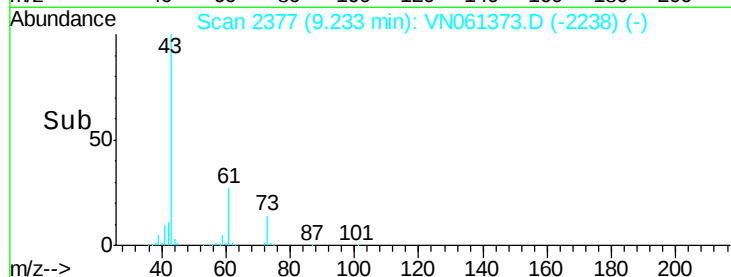
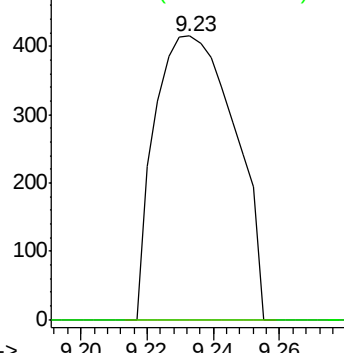
63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.465 ug/l

RT: 9.15 min Scan# 2351

Delta R.T. -0.02 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

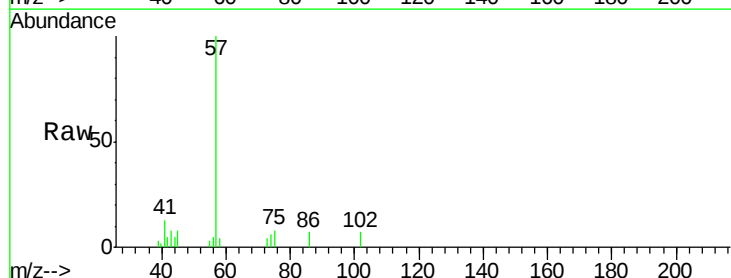
Tgt Ion: 41 Resp: 2160

Ion Ratio Lower Upper

41 100

69 0.0 60.3 90.5#

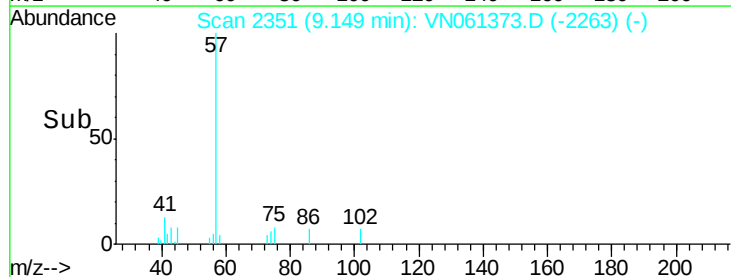
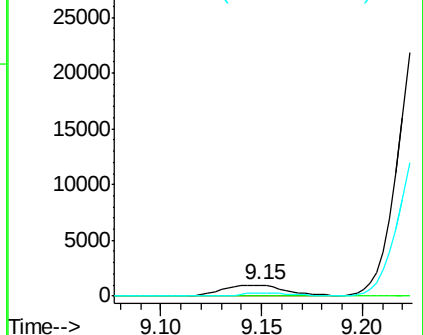
39 0.0 47.4 71.0#

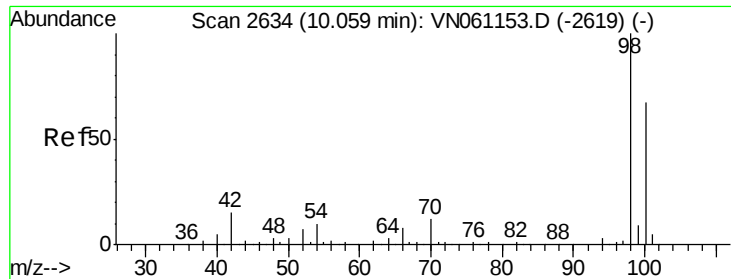


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

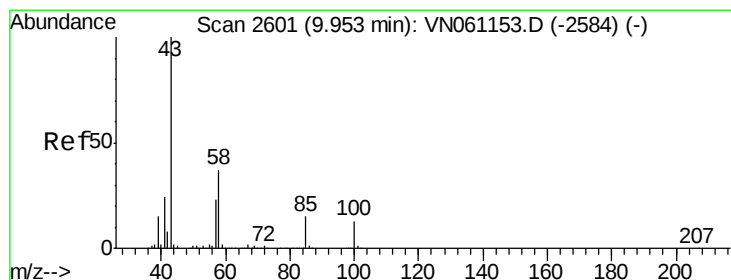
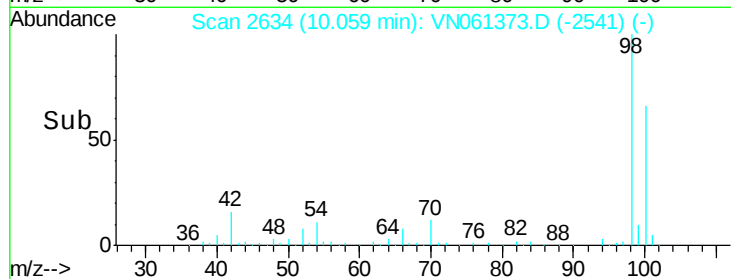
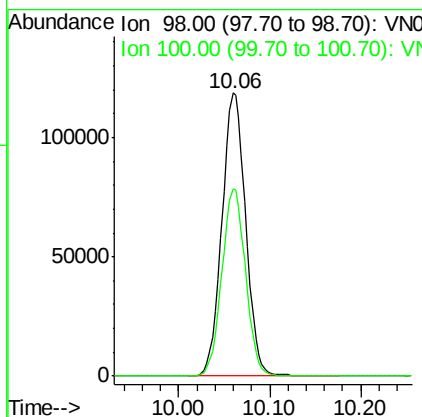
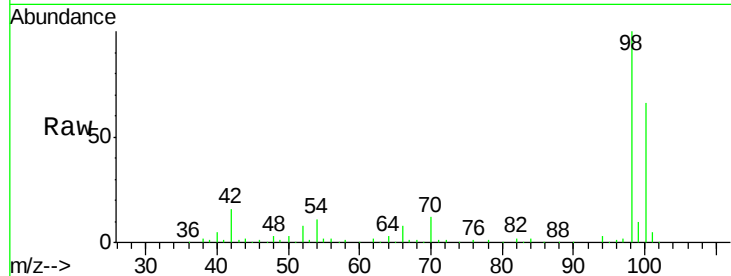




#50
Toluene-d8
Concen: 53.255 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061373.D
Acq: 8 May 2020 19:38

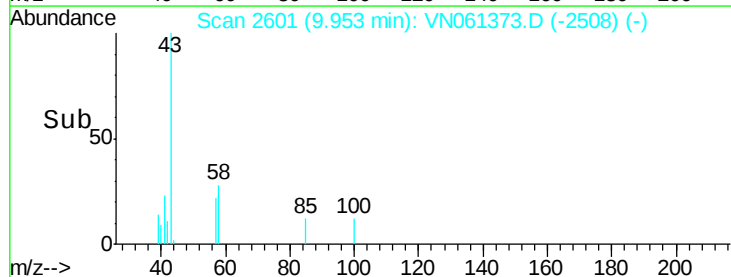
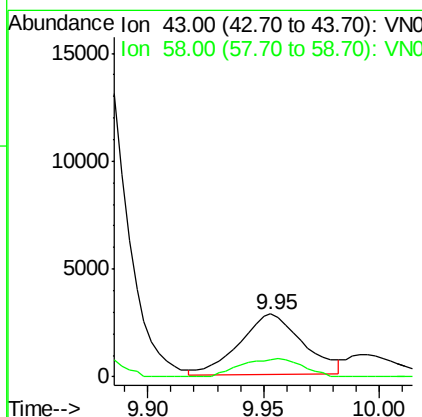
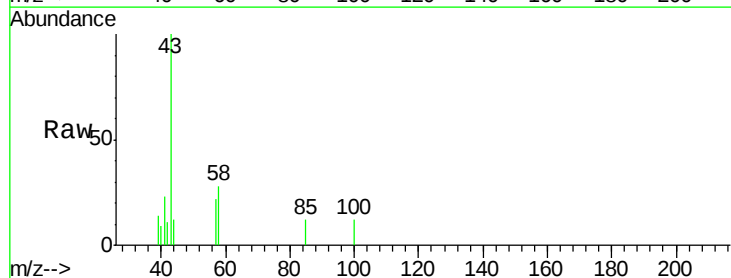
Instrument :
MSVOA_N
ClientSampled :

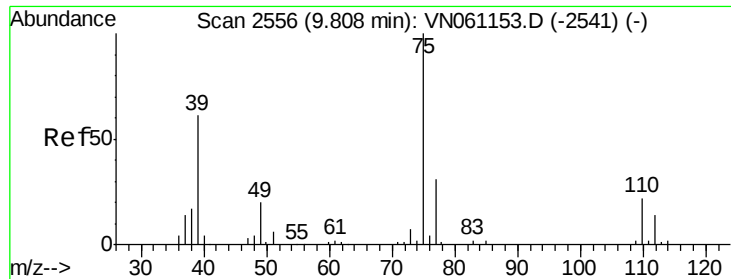
Tot Ion: 98 Resp: 215286
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 2.823 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061373.D
Acq: 8 May 2020 19:38

Tgt Ion: 43 Resp: 5428
Ion Ratio Lower Upper
43 100
58 28.9 29.1 43.7#

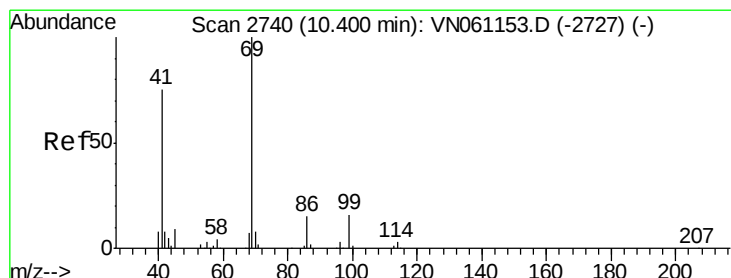
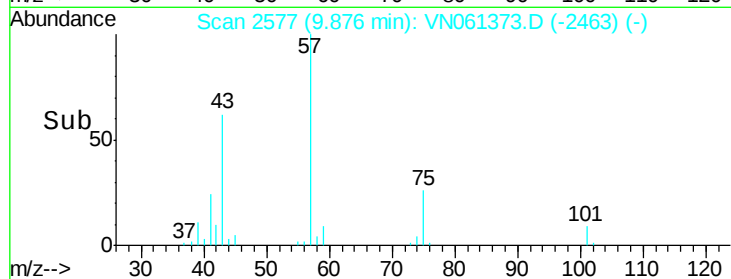
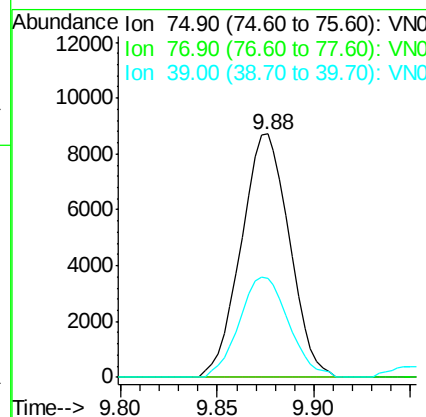
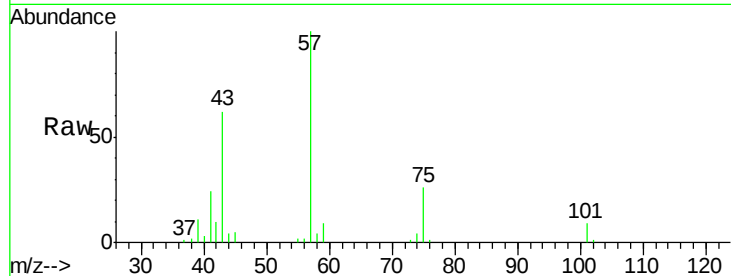




#54
 cis-1,3-Dichloropropene
 Concen: 7.153 ug/l
 RT: 9.88 min Scan# 2577
 Delta R.T. 0.07 min
 Lab File: VN061373.D
 Acq: 8 May 2020 19:38

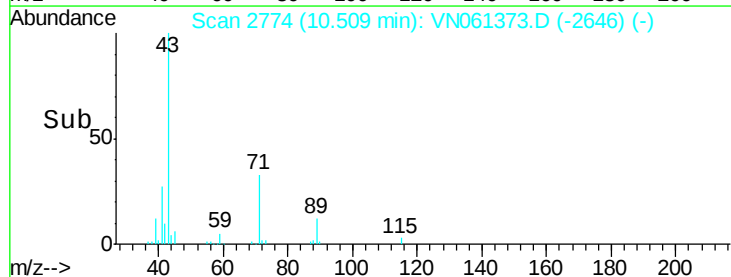
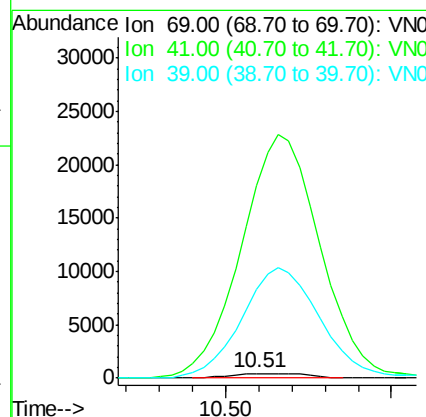
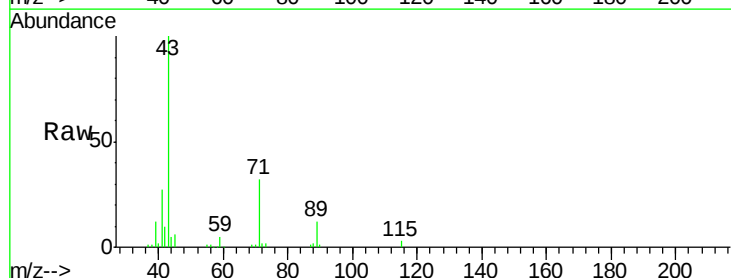
Instrument :
 MSVOA_N
 ClientSampleId :

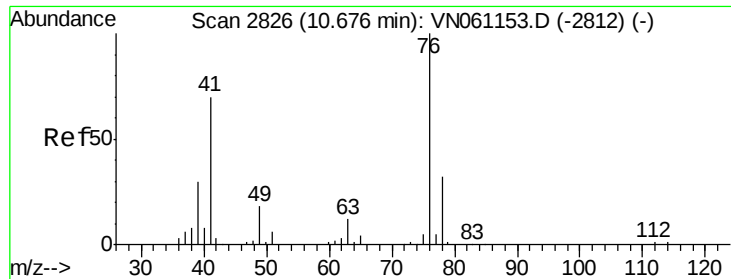
Tot Ion: 75 Resp: 15132
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 40.6 48.7 73.1#



#56
 Ethyl methacrylate
 Concen: 3.031 ug/l
 RT: 10.51 min Scan# 2774
 Delta R.T. 0.11 min
 Lab File: VN061373.D
 Acq: 8 May 2020 19:38

Tgt Ion: 69 Resp: 674
 Ion Ratio Lower Upper
 69 100
 41 5656.7 60.3 90.5#
 39 2554.2 35.9 53.9#

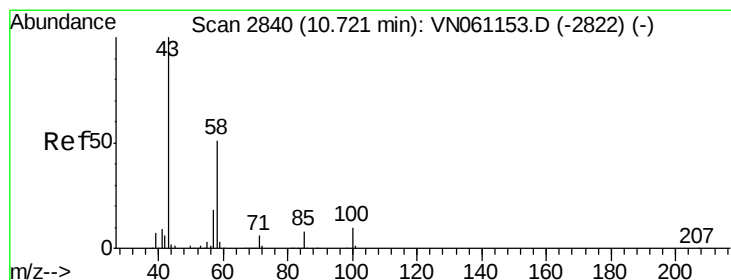
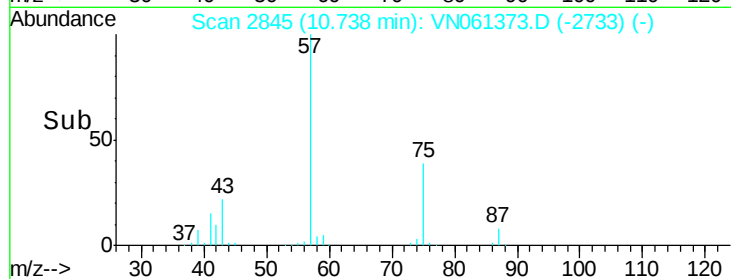
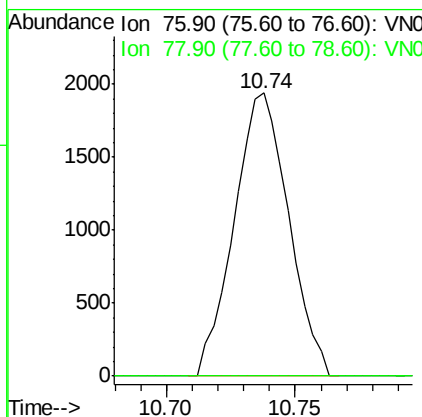
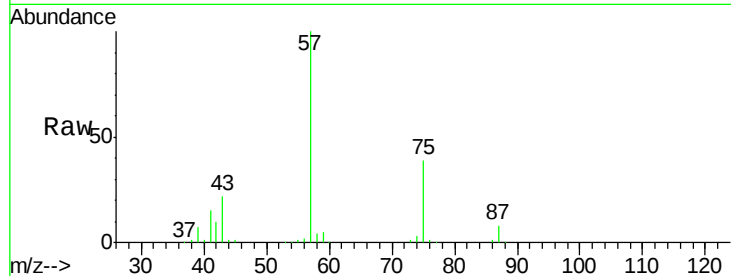




#57
 1,3-Dichloropropane
 Concen: 1.355 ug/l
 RT: 10.74 min Scan# 2845
 Delta R.T. 0.06 min
 Lab File: VN061373.D
 Acq: 8 May 2020 19:38

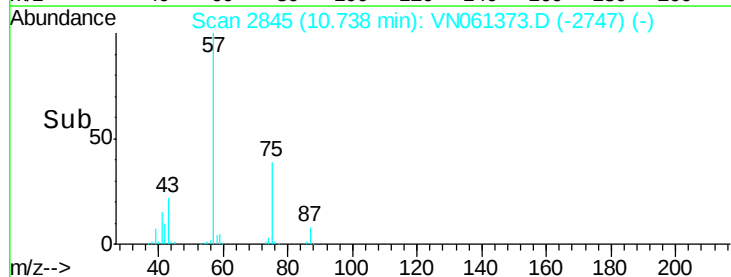
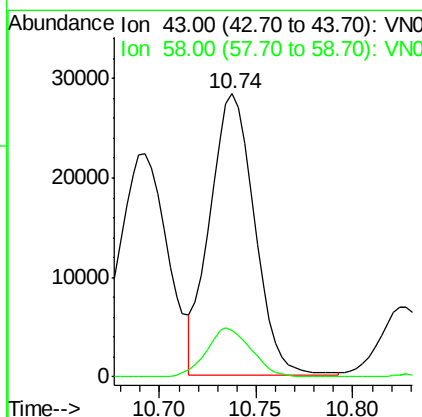
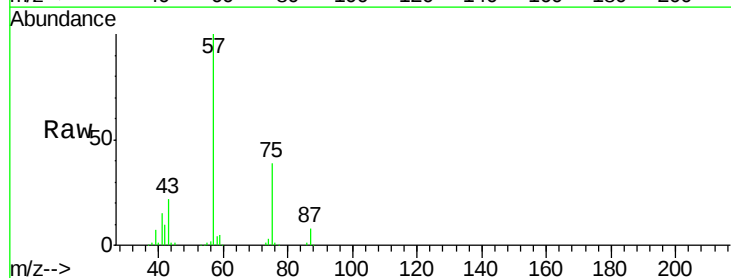
Instrument :
 MSVOA_N
 ClientSampled :

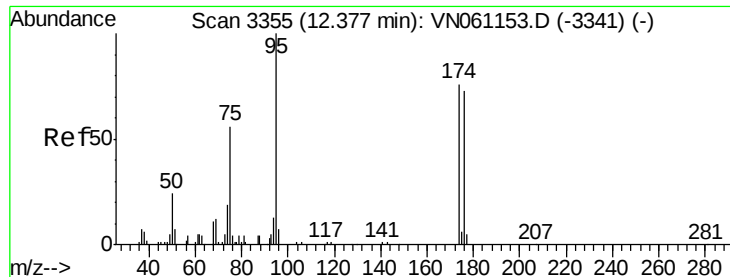
Tot Ion: 76 Resp: 2862
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 32.614 ug/l
 RT: 10.74 min Scan# 2845
 Delta R.T. 0.02 min
 Lab File: VN061373.D
 Acq: 8 May 2020 19:38

Tgt Ion: 43 Resp: 45618
 Ion Ratio Lower Upper
 43 100
 58 17.5 25.4 76.4#





#62

4-Bromofluorobenzene

Concen: 53.323 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

Instrument :

MSVOA_N

ClientSampleId :

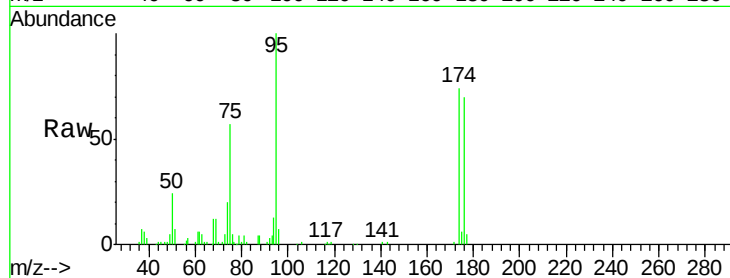
Tot Ion: 95 Resp: 81118

Ion Ratio Lower Upper

95 100

174 73.1 0.0 149.4

176 69.1 0.0 144.8

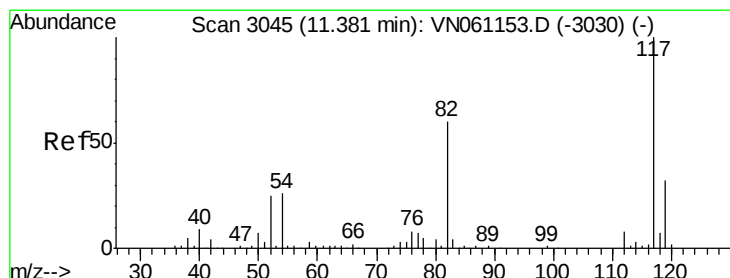
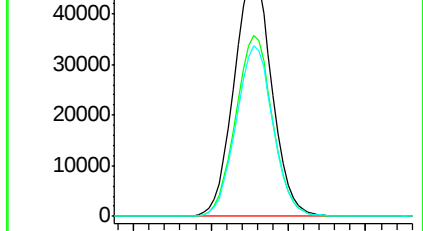
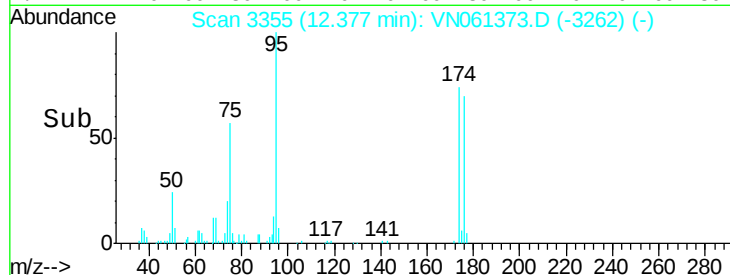


Abundance Ion 94.90 (94.60 to 95.60): VN061373.D (-2952) (-)

Ion 173.80 (173.50 to 174.50): VN061373.D (-2952) (-)

Ion 175.80 (175.50 to 176.50): VN061373.D (-2952) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

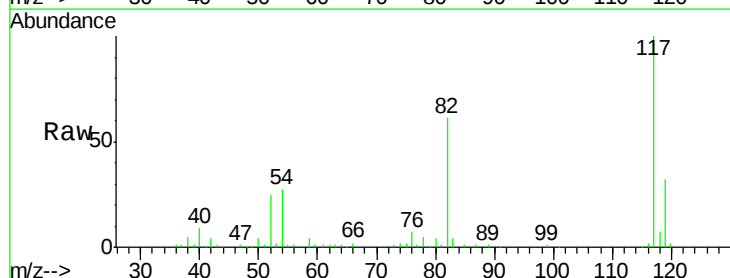
Tgt Ion: 117 Resp: 168992

Ion Ratio Lower Upper

117 100

82 61.2 47.8 71.8

119 32.0 25.8 38.6

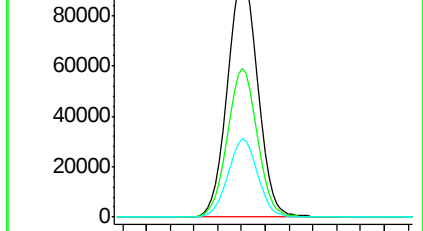
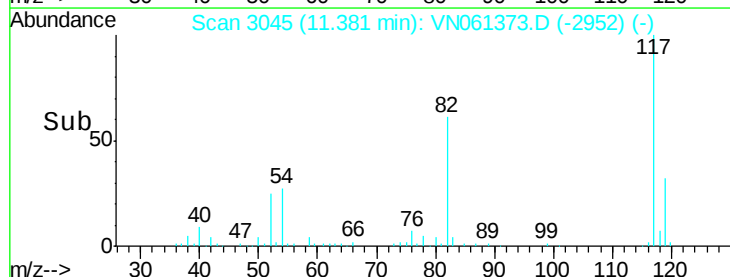


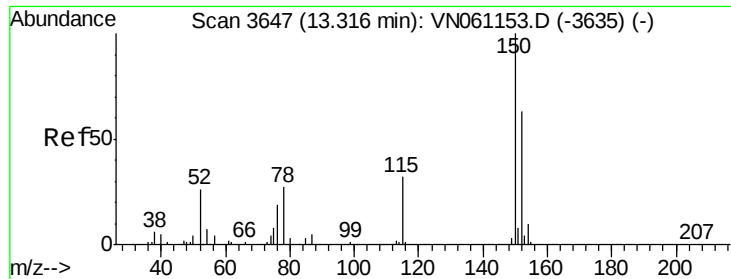
Abundance Ion 116.90 (116.60 to 117.60): VN061373.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061373.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061373.D (-2952) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

Instrument :

MSVOA_N

ClientSampleId :

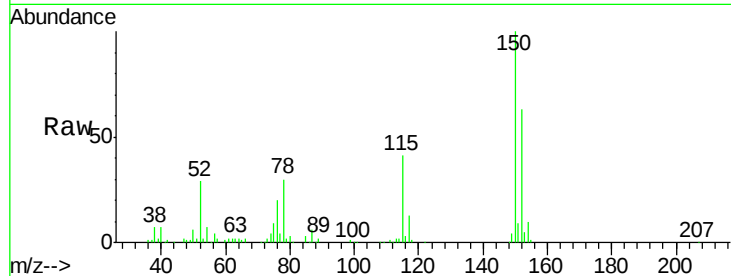
Tot Ion:152 Resp: 71792

Ion Ratio Lower Upper

152 100

115 63.5 31.0 93.0

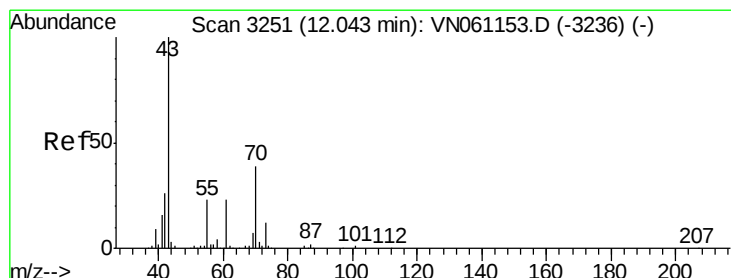
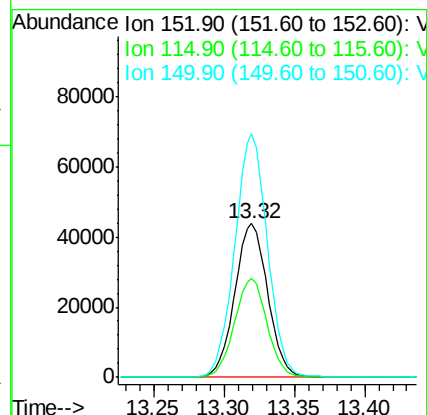
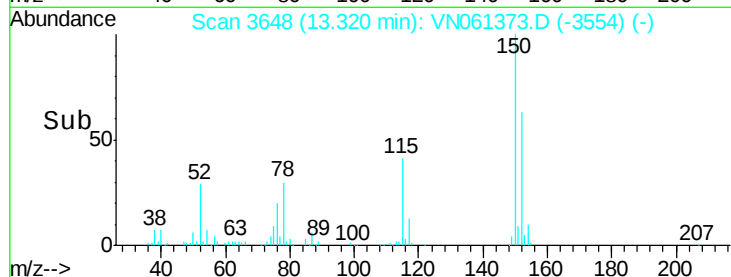
150 157.0 0.0 351.8



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-ethyl acetate

Concen: 0.680 ug/l

RT: 12.01 min Scan# 3240

Delta R.T. -0.04 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

Tgt Ion: 43 Resp: 1817

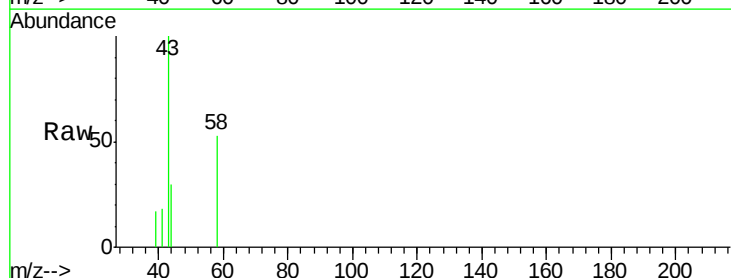
Ion Ratio Lower Upper

43 100

70 0.0 30.6 46.0#

55 0.0 18.5 27.7#

61 0.0 17.9 26.9#

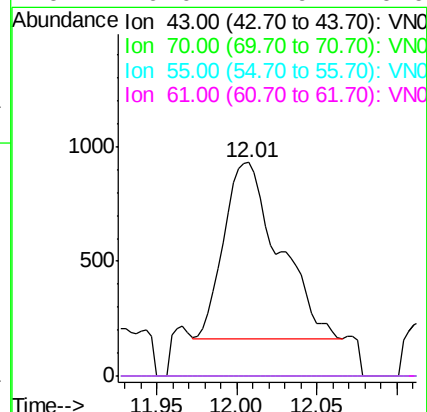
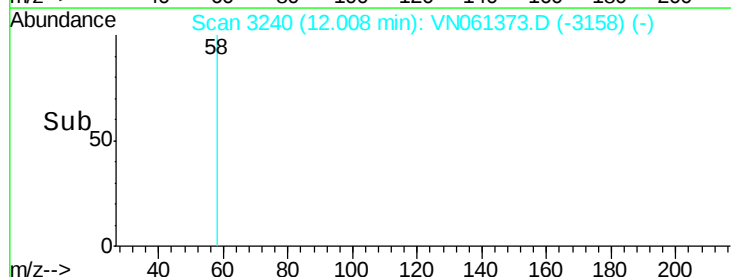


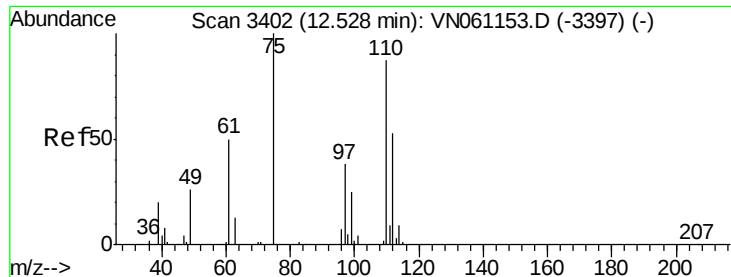
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 29.771 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

Instrument :

MSVOA_N

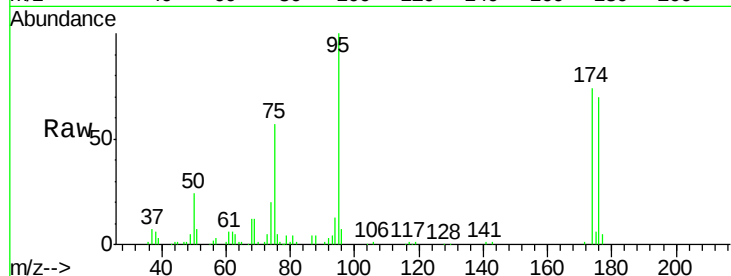
ClientSampled :

Tot Ion: 75 Resp: 45060

Ion Ratio Lower Upper

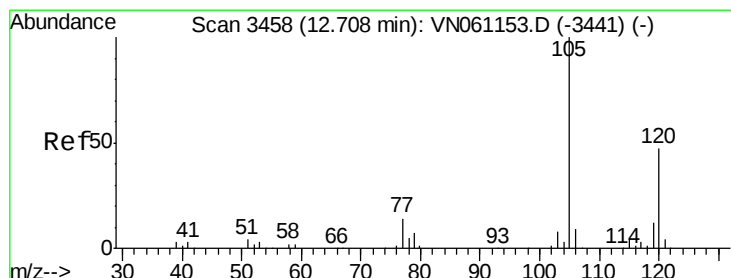
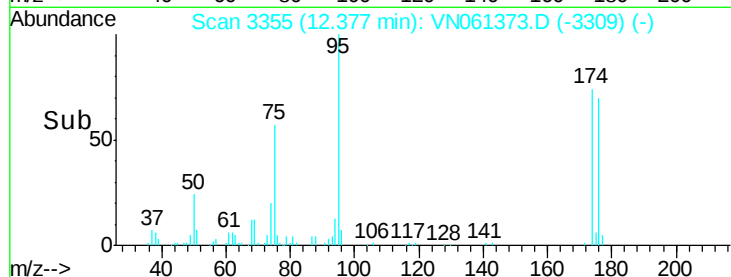
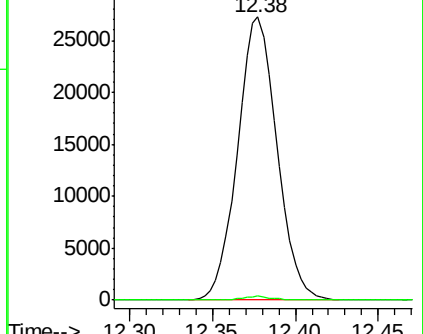
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3397) (-)

Ion 77.00 (76.70 to 77.70): VN061153.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.632 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061373.D

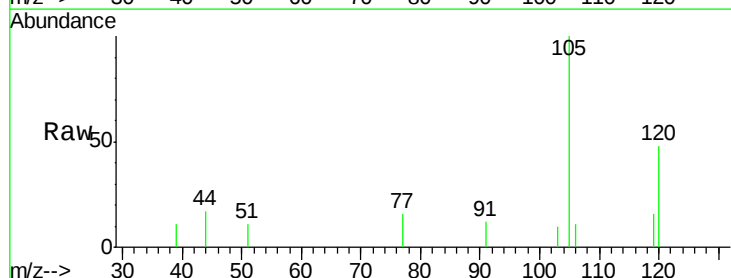
Acq: 8 May 2020 19:38

Tgt Ion: 105 Resp: 2760

Ion Ratio Lower Upper

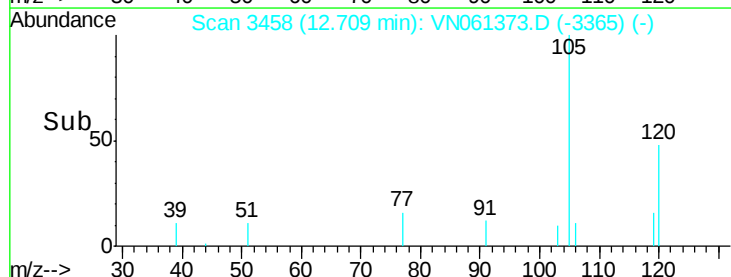
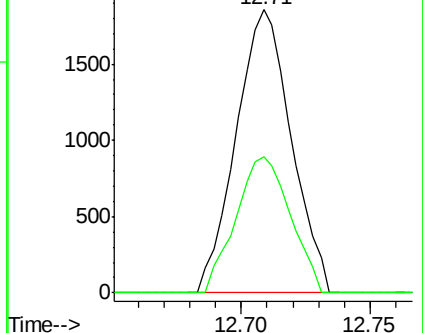
105 100

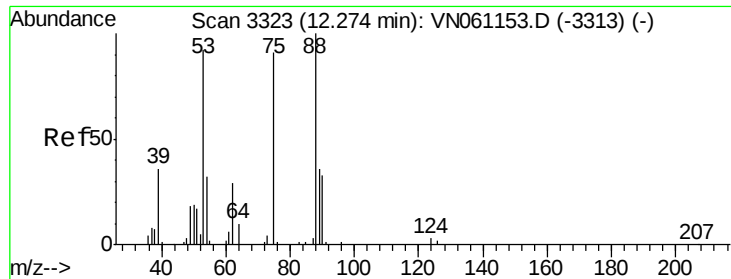
120 47.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 75.602 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061373.D

Acq: 8 May 2020 19:38

Instrument :

MSVOA_N

ClientSampleId :

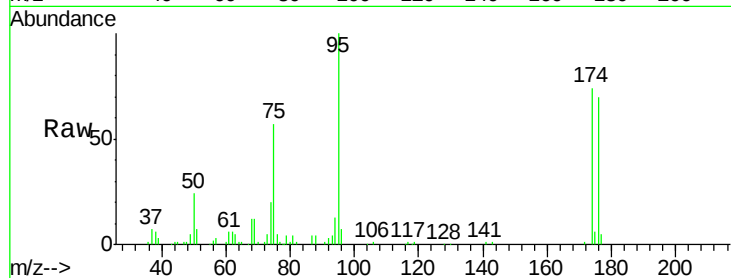
Tot Ion: 75 Resp: 45060

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

