

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032020\
 Data File : VN060657.D
 Acq On : 20 Mar 2020 16:56
 Operator : JC/MD
 Sample : L1749-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 23:25:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	327884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147328	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	130597	48.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.10%	
35) Dibromofluoromethane	7.57	113	98701	49.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.56%	
50) Toluene-d8	10.08	98	409608	50.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.40	95	156375	52.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.38%	

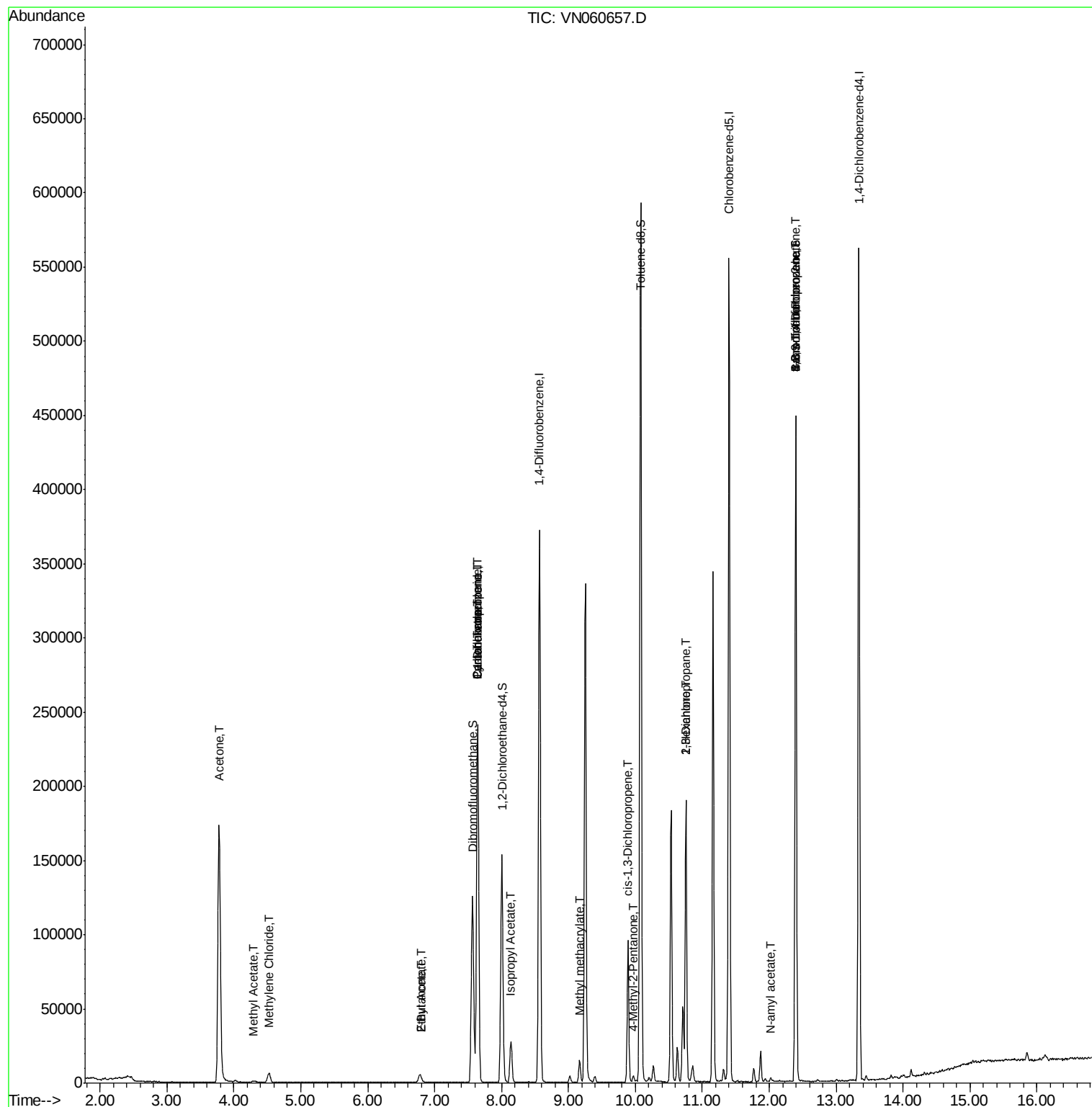
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	294798	306.181	ug/l	100
18) Methyl Acetate	4.28	43	649	0.239	ug/l #	54
20) Methylene Chloride	4.52	84	5056	2.135	ug/l	98
25) 2-Butanone	6.81	43	2177	1.397	ug/l	97
31) Cyclohexane	7.64	56	3948	0.902	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15464	4.871	ug/l #	50
37) Ethyl Acetate	6.81	43	2177	0.635	ug/l #	70
38) Carbon Tetrachloride	7.64	117	19134	6.724	ug/l #	16
43) Isopropyl Acetate	8.14	43	33764	5.968	ug/l #	92
48) Methyl methacrylate	9.16	41	1859	0.738	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	2778	0.863	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	16197	4.046	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	1799	0.466	ug/l #	42
59) 2-Hexanone	10.75	43	28713	12.381	ug/l #	53
71) Bromoform	12.39	173	150	1.758	ug/l #	29
74) N-amyl acetate	12.02	43	1899	0.372	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	79099	24.881	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	79099	63.903	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060657.D

Acq: 20 Mar 2020 16:56

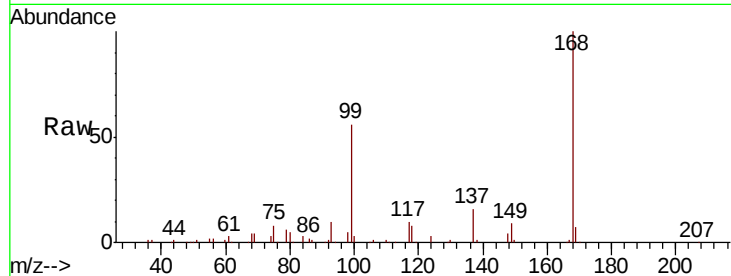
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 198004

Ion Ratio Lower Upper

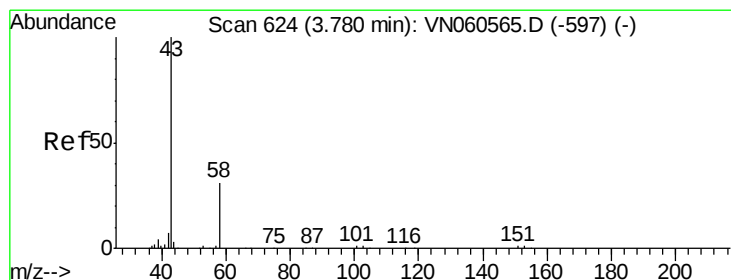
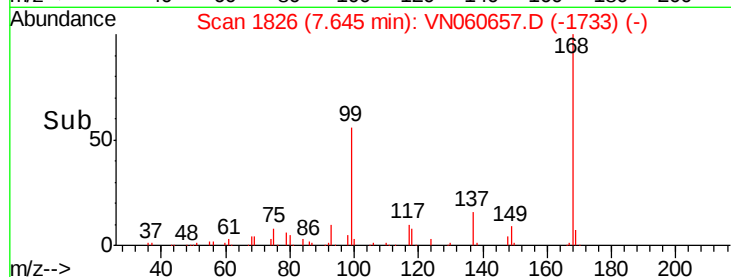
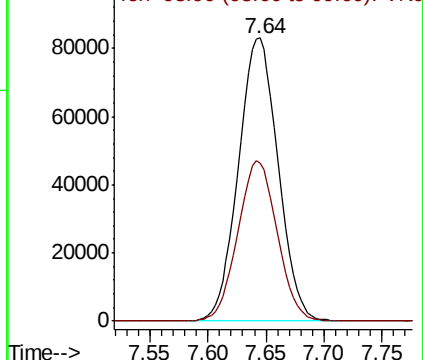
168 100

99 56.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 306.181 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060657.D

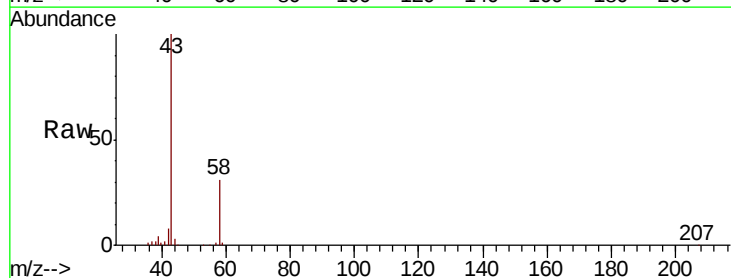
Acq: 20 Mar 2020 16:56

Tgt Ion: 43 Resp: 294798

Ion Ratio Lower Upper

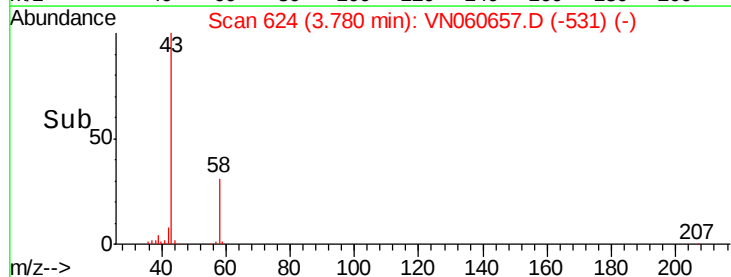
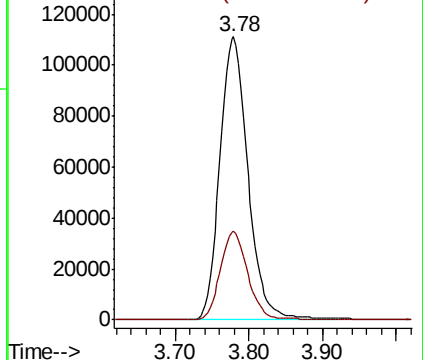
43 100

58 31.4 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

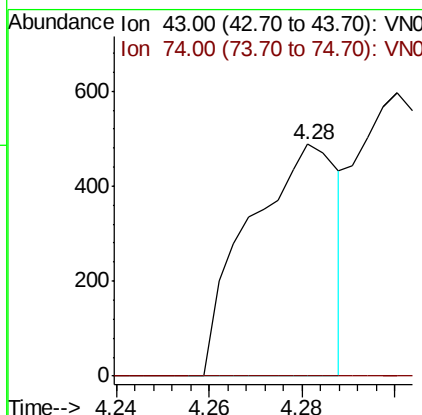
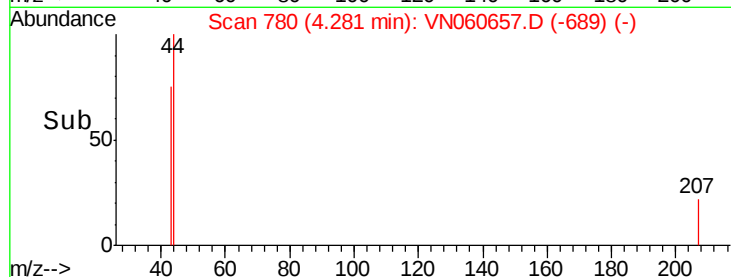
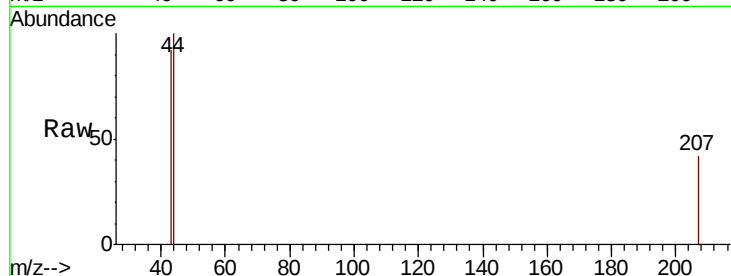




#18
Methyl Acetate
Concen: 0.239 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.01 min
Lab File: VN060657.D
Acq: 20 Mar 2020 16:56

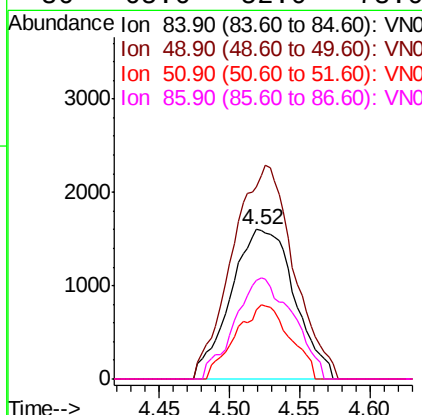
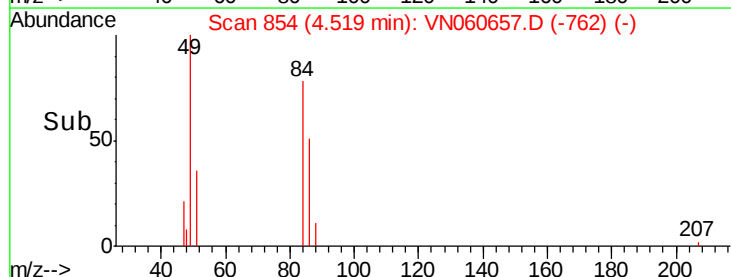
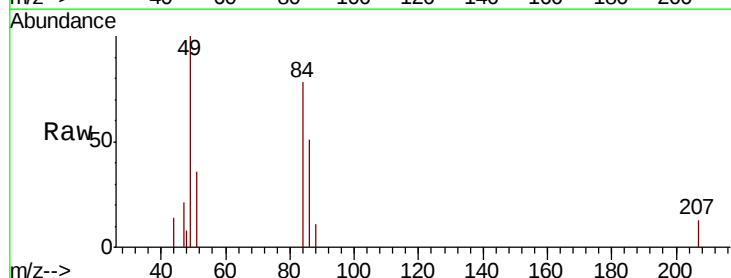
Instrument :
MSVOA_N
ClientSampleId :

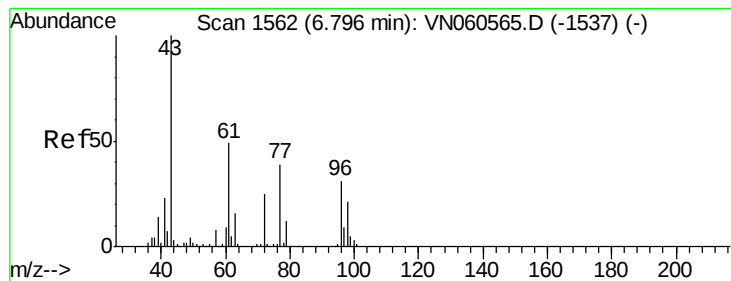
Tot Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.135 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060657.D
Acq: 20 Mar 2020 16:56

Tgt Ion: 84 Resp: 5056
Ion Ratio Lower Upper
84 100
49 128.4 103.3 154.9
51 45.9 31.6 47.4
86 65.6 52.0 78.0





#25

2-Butanone

Concen: 1.397 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060657.D

Acq: 20 Mar 2020 16:56

Instrument :

MSVOA_N

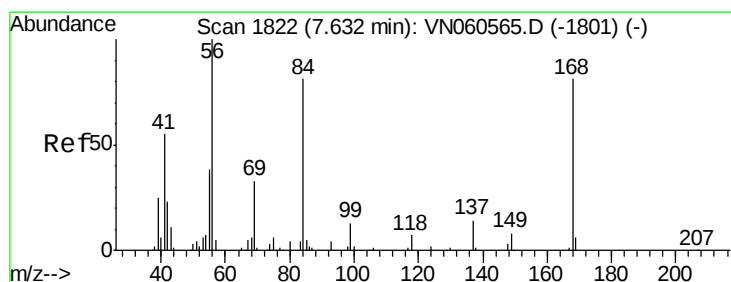
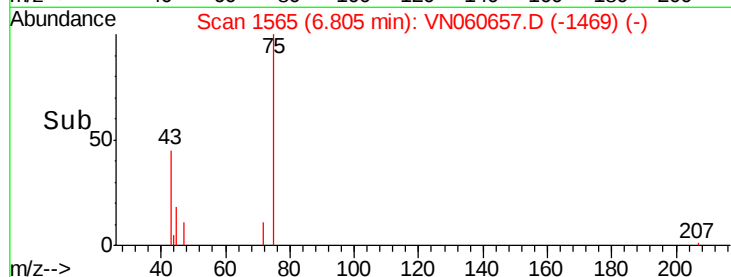
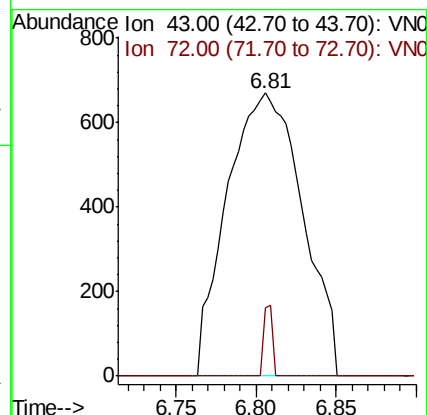
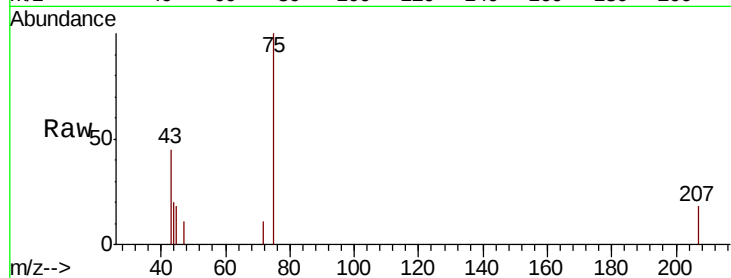
ClientSampleId :

Tot Ion: 43 Resp: 2177

Ion Ratio Lower Upper

43 100

72 24.0 20.4 30.6



#31

Cyclohexane

Concen: 0.902 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060657.D

Acq: 20 Mar 2020 16:56

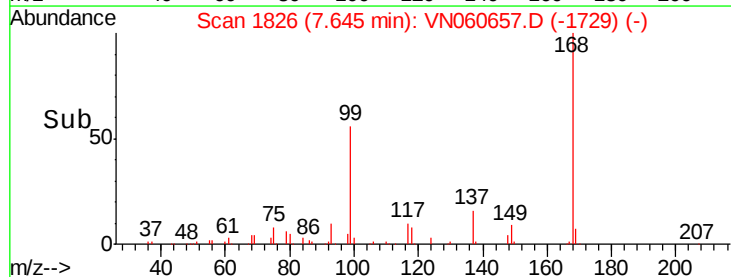
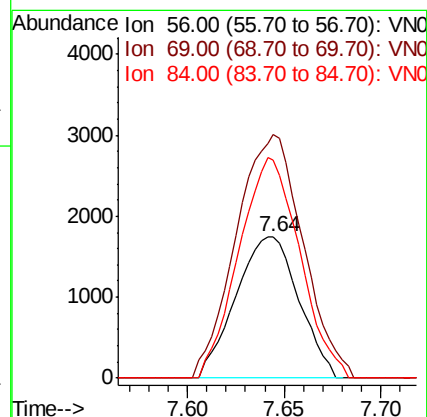
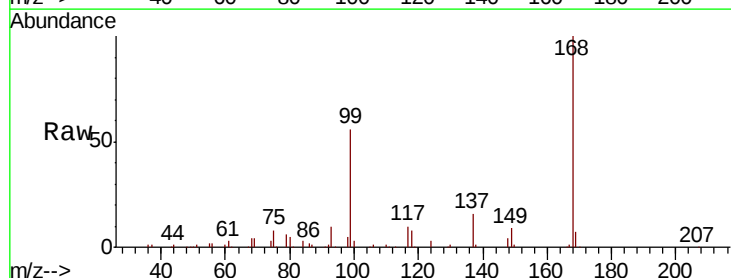
Tgt Ion: 56 Resp: 3948

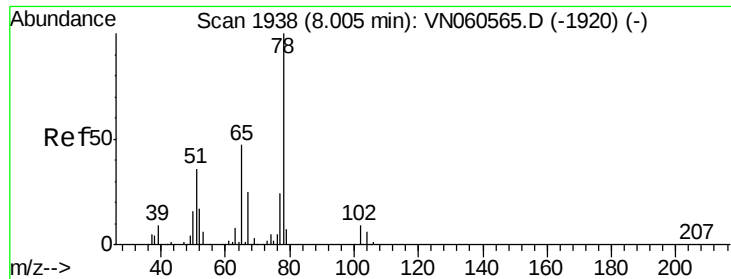
Ion Ratio Lower Upper

56 100

69 171.9 26.6 40.0#

84 154.0 64.3 96.5#

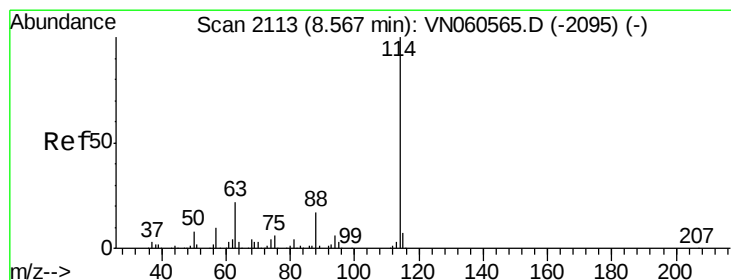
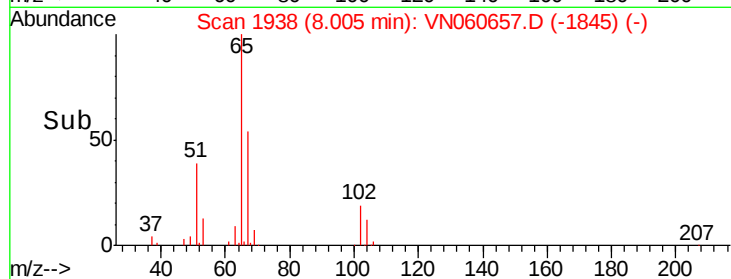
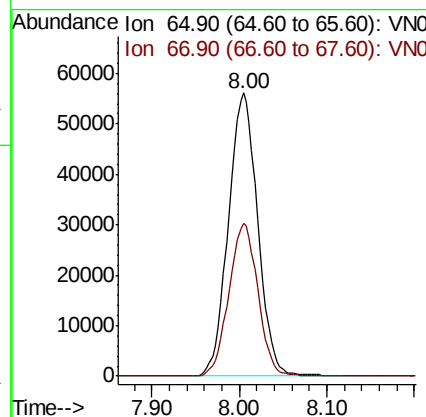
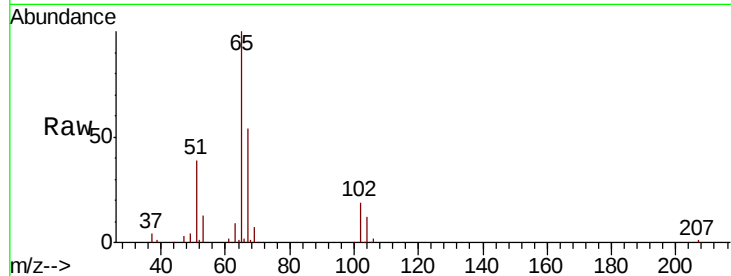




#33
 1,2-Dichloroethane-d4
 Concen: 48.046 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060657.D
 Acq: 20 Mar 2020 16:56

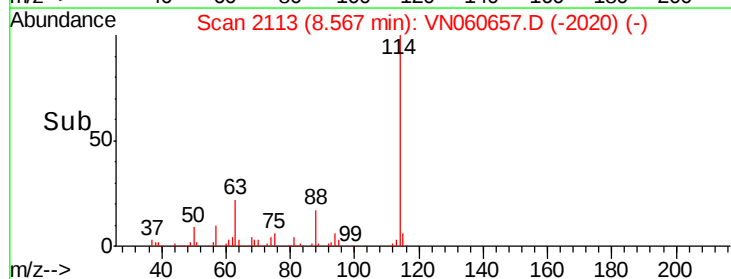
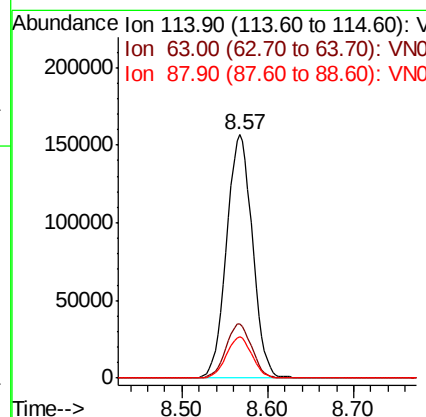
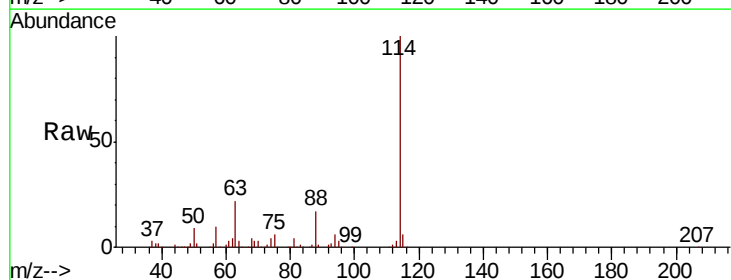
Instrument :
 MSVOA_N
 ClientSampleId :

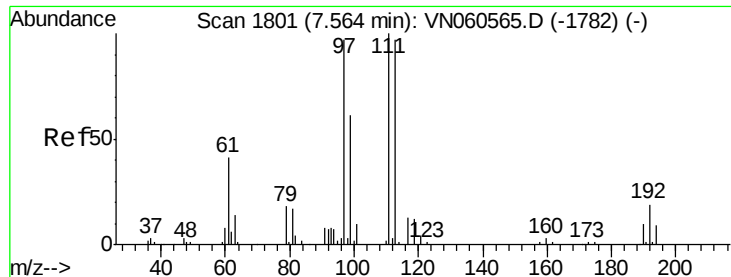
Tot Ion: 65 Resp: 130597
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060657.D
 Acq: 20 Mar 2020 16:56

Tgt Ion: 114 Resp: 327884
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.7 0.0 33.0

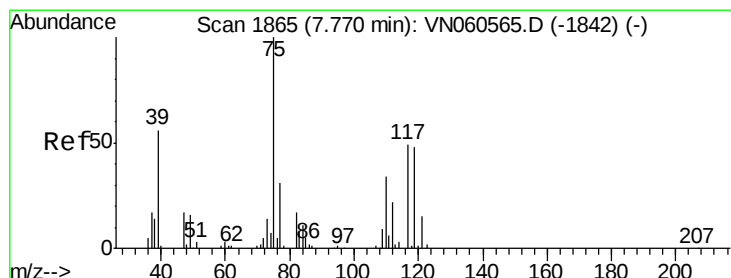
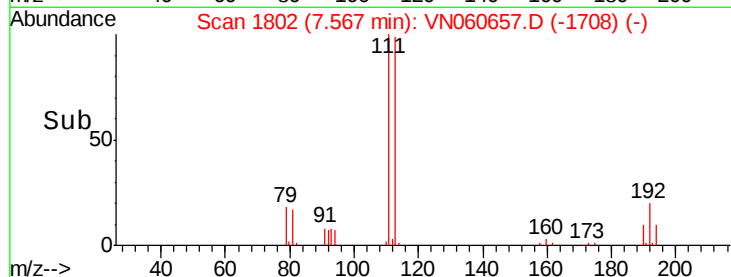
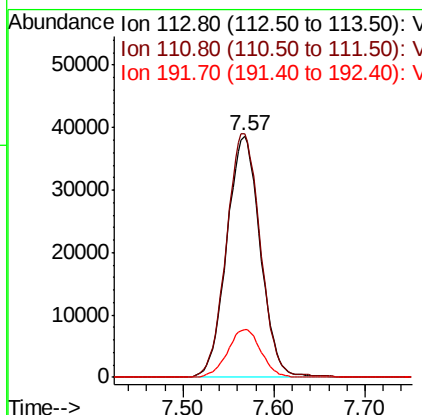
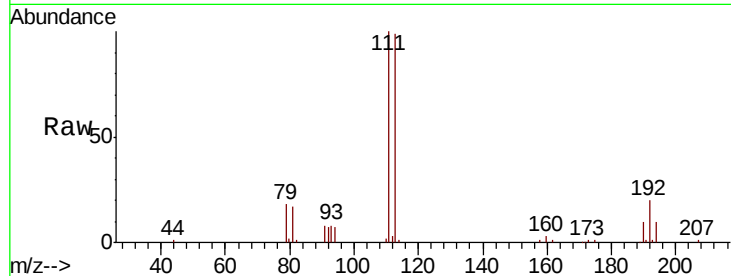




#35
 Dibromofluoromethane
 Concen: 49.783 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060657.D
 Acq: 20 Mar 2020 16:56

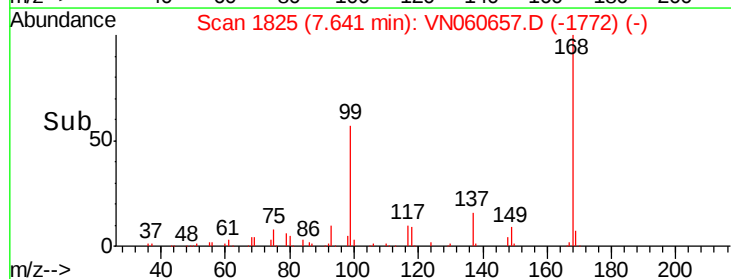
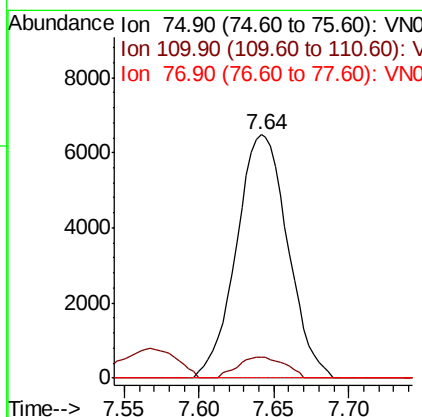
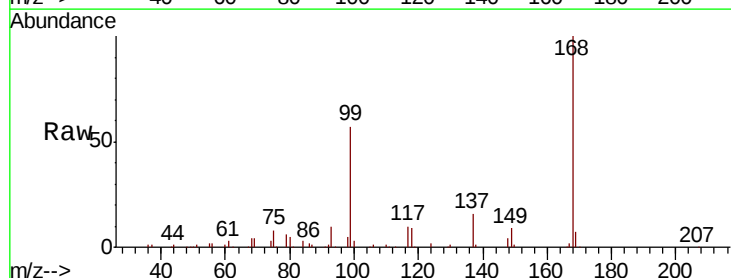
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 98701
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.9 124.3
 192 19.7 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.871 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060657.D
 Acq: 20 Mar 2020 16:56

Tgt Ion: 75 Resp: 15464
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.9 50.6#
 77 0.0 24.6 36.8#

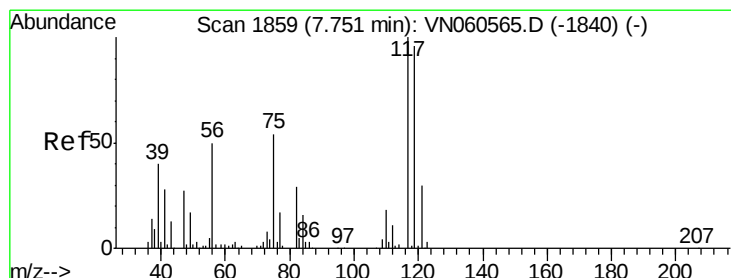
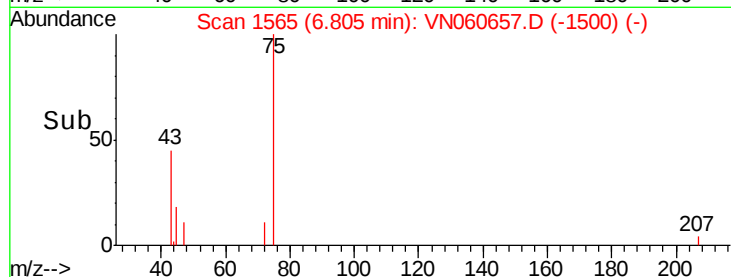
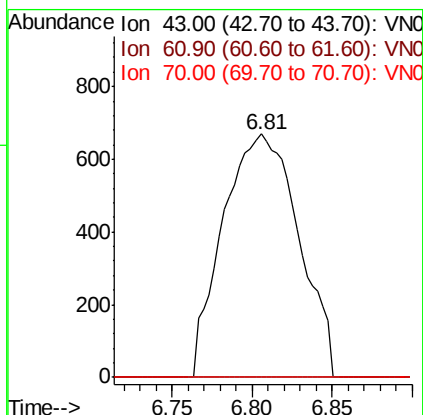
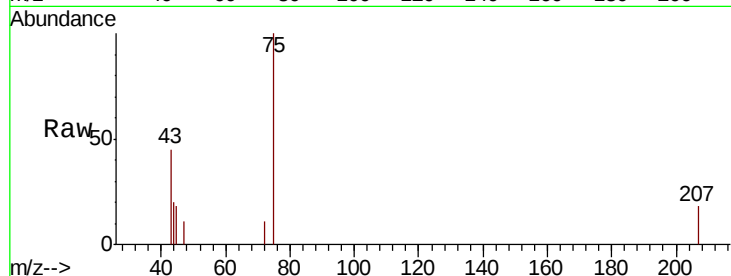




#37
Ethyl Acetate
Concen: 0.635 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.09 min
Lab File: VN060657.D
Acq: 20 Mar 2020 16:56

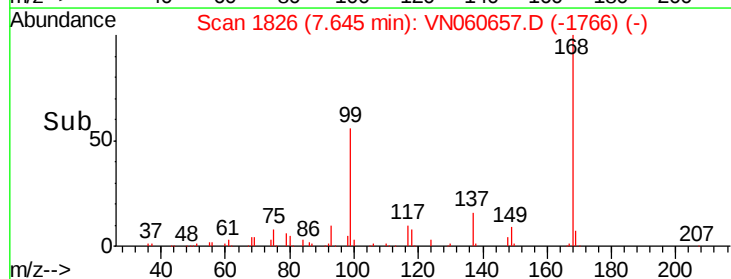
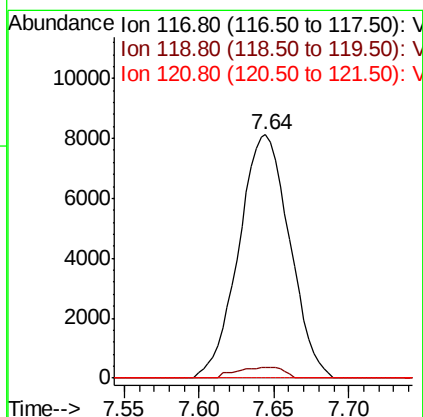
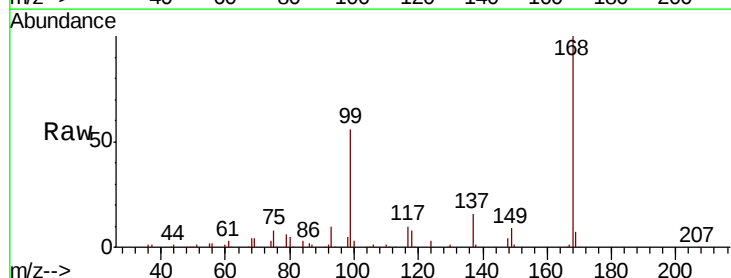
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MSVOA_N
ClientSampleId :

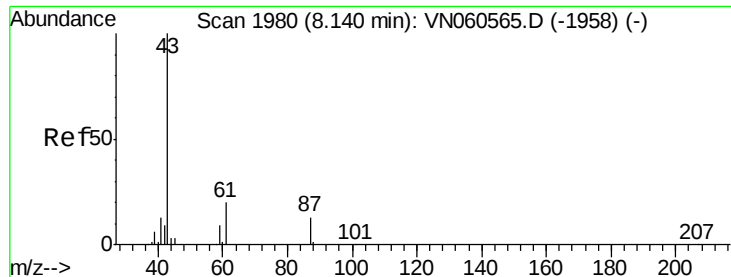
Tot Ion: 43 Resp: 2177
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.724 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060657.D
Acq: 20 Mar 2020 16:56

Tgt Ion: 117 Resp: 19134
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 23.7 35.5#

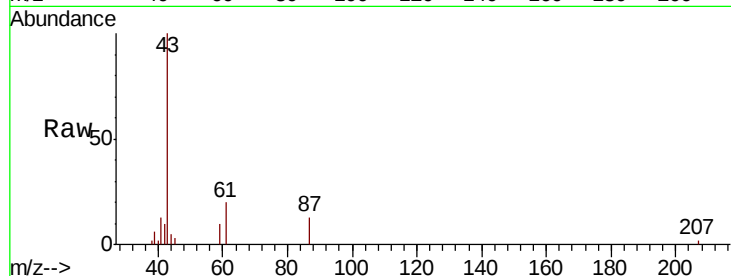




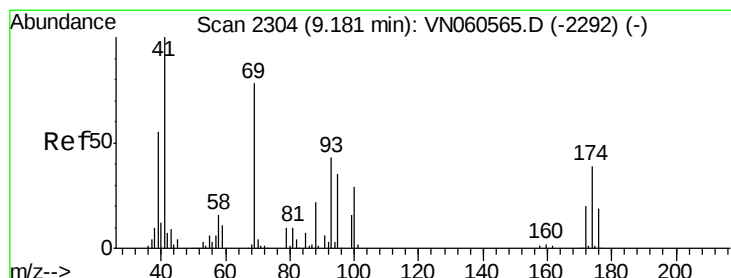
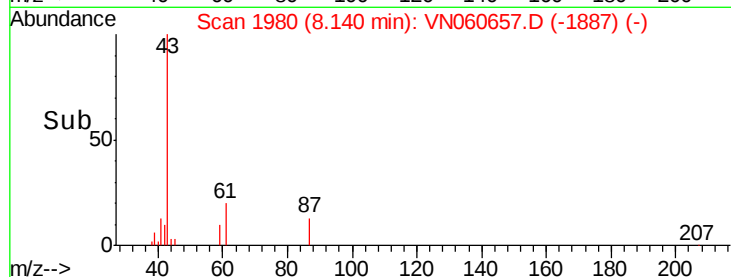
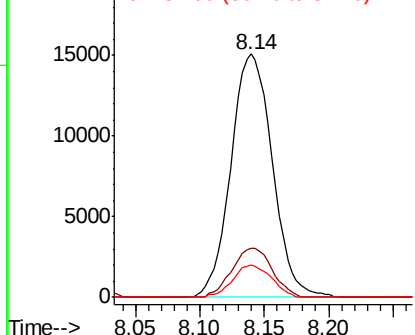
#43
Isopropyl Acetate
Concen: 5.968 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060657.D
Acq: 20 Mar 2020 16:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 33764
Ion Ratio Lower Upper
43 100
61 19.7 20.7 31.1#
87 12.5 9.8 14.8

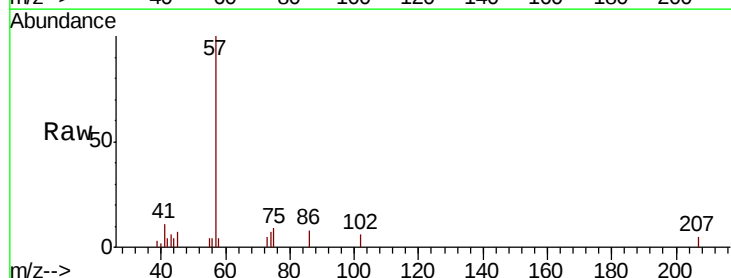


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

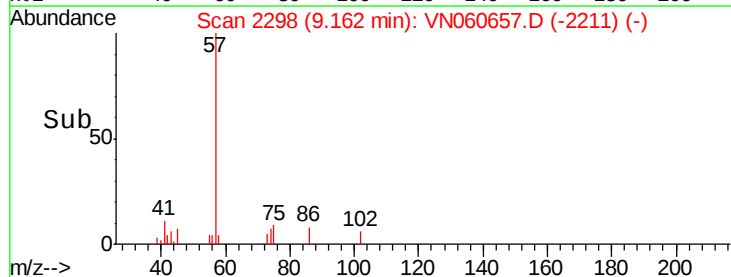
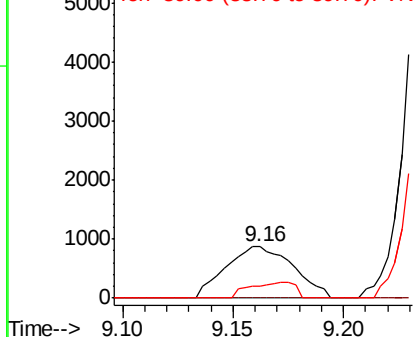


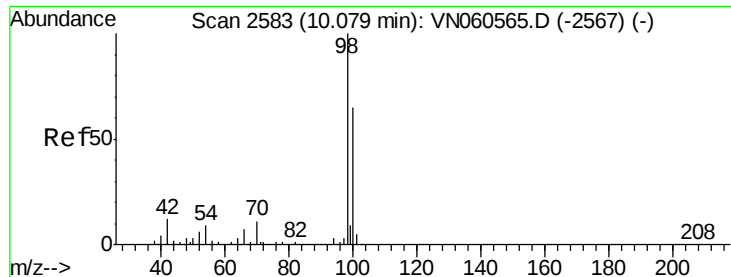
#48
Methyl methacrylate
Concen: 0.738 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060657.D
Acq: 20 Mar 2020 16:56

Tgt Ion: 41 Resp: 1859
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



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: 50.580 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060657.D

Acq: 20 Mar 2020 16:56

Instrument :

MSVOA_N

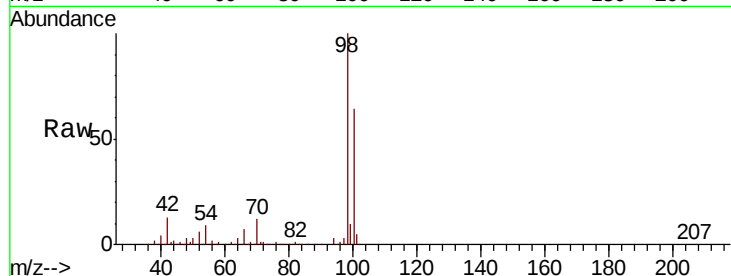
ClientSampled :

Tot Ion: 98 Resp: 409608

Ion Ratio Lower Upper

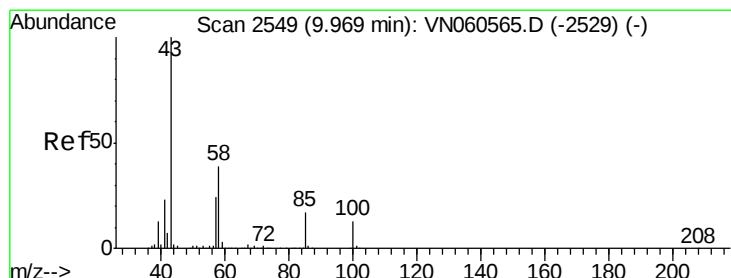
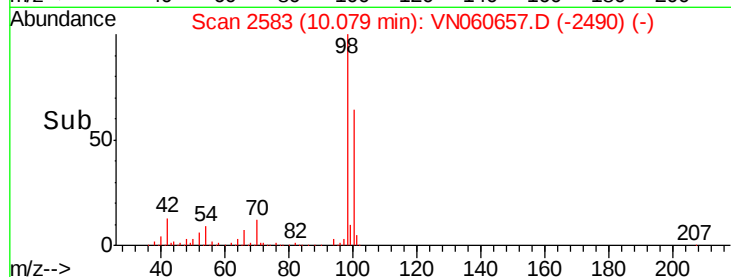
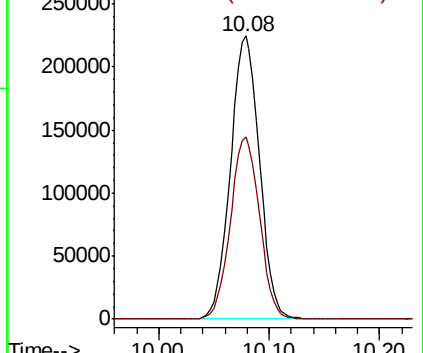
98 100

100 64.5 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.863 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060657.D

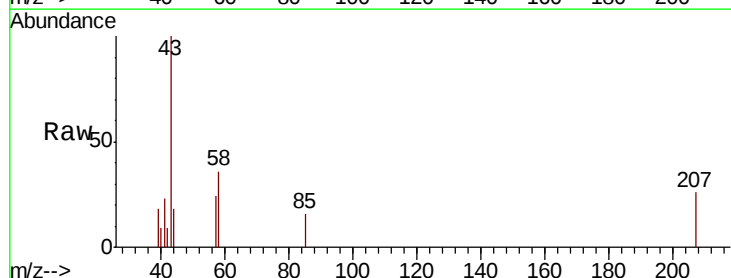
Acq: 20 Mar 2020 16:56

Tgt Ion: 43 Resp: 2778

Ion Ratio Lower Upper

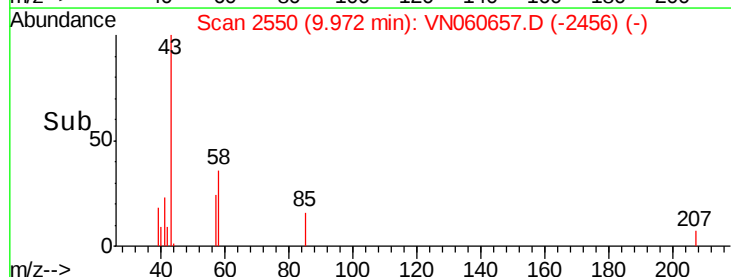
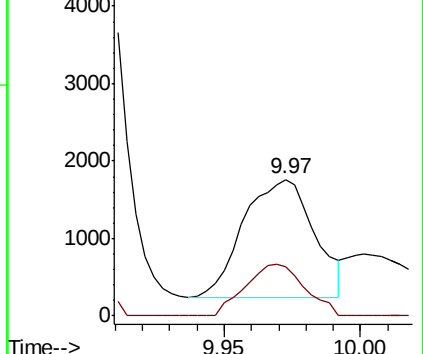
43 100

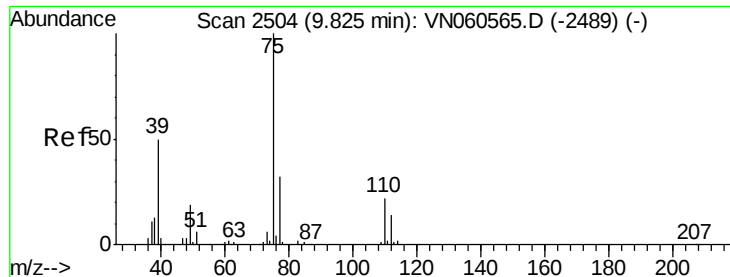
58 36.3 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

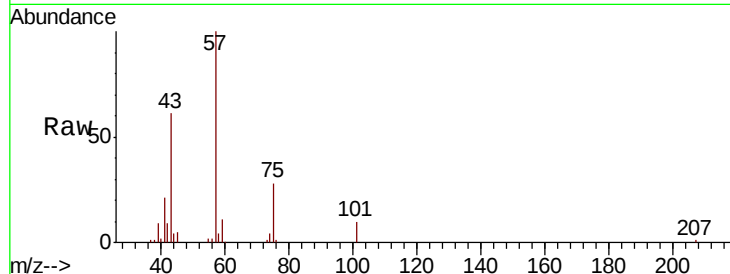




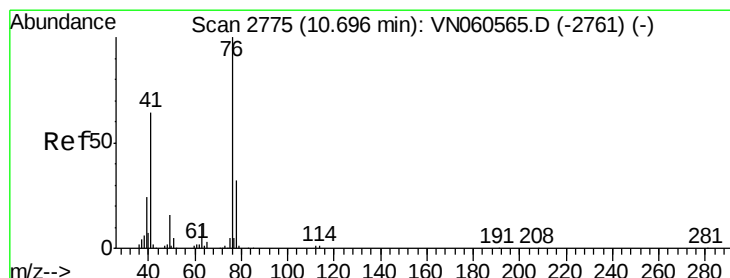
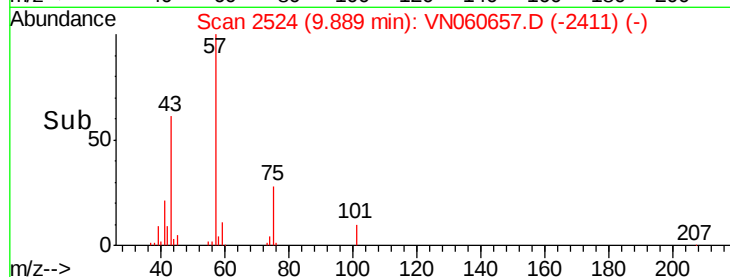
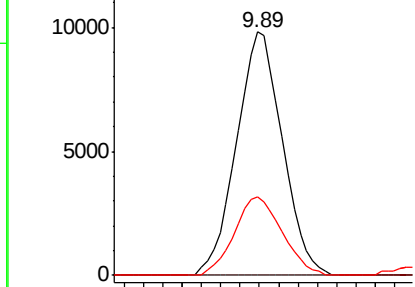
#54
 cis-1,3-Dichloropropene
 Concen: 4.046 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060657.D
 Acq: 20 Mar 2020 16:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 16197
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 32.2 40.2 60.4#

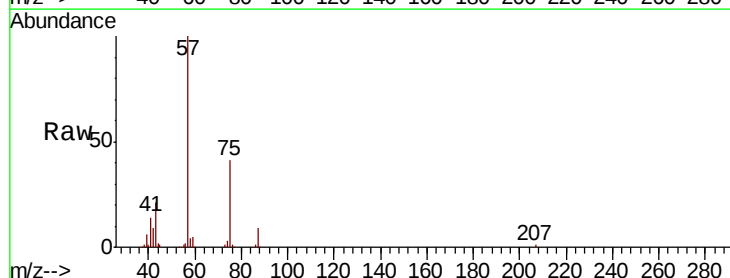


Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO

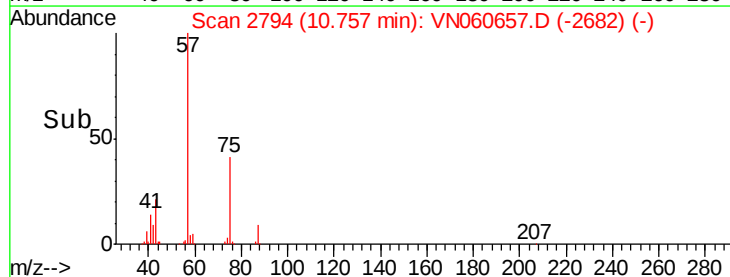
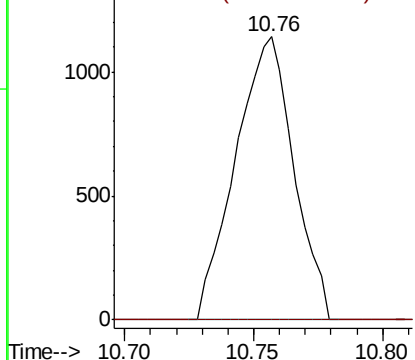


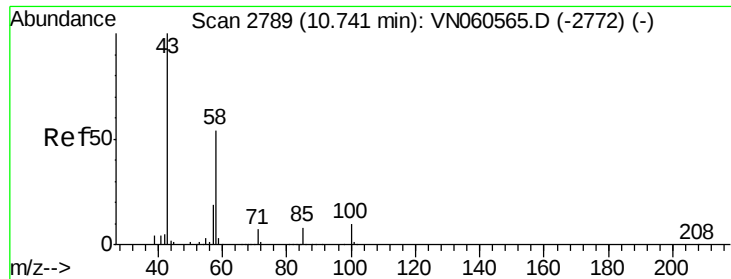
#57
 1,3-Dichloropropane
 Concen: 0.466 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN060657.D
 Acq: 20 Mar 2020 16:56

Tgt Ion: 76 Resp: 1799
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



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

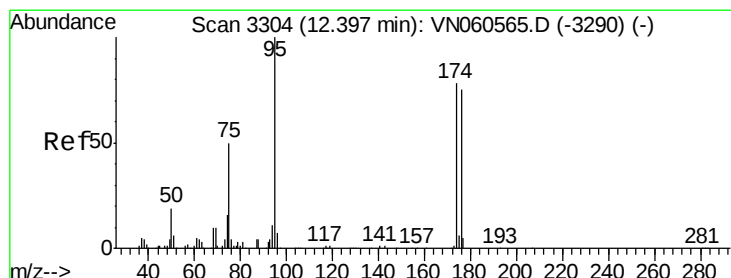
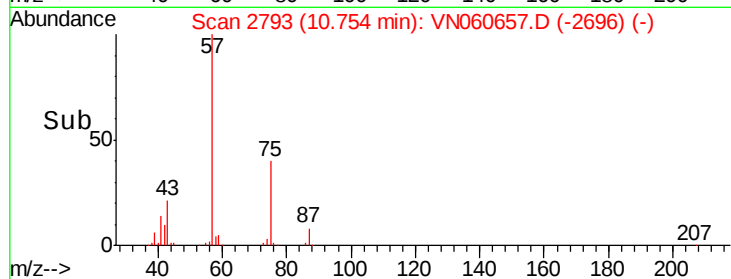
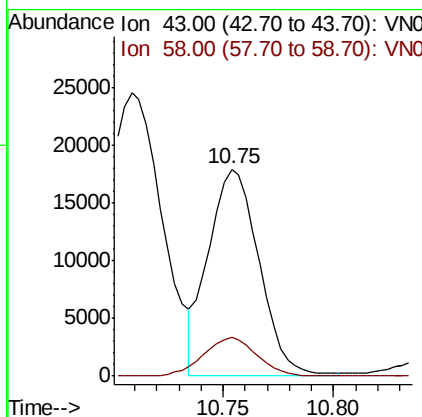
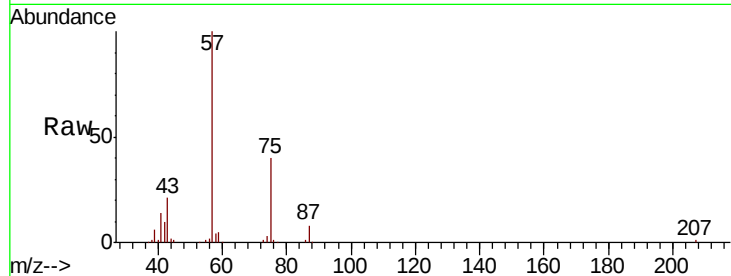




#59
2-Hexanone
Concen: 12.381 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060657.D
Acq: 20 Mar 2020 16:56

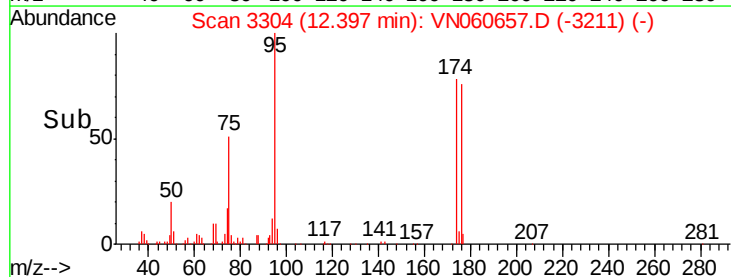
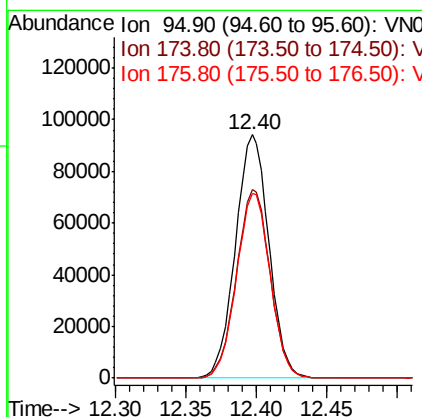
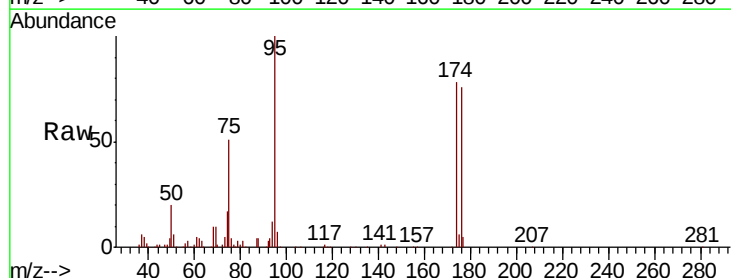
Instrument :
MSVOA_N
ClientSampled :

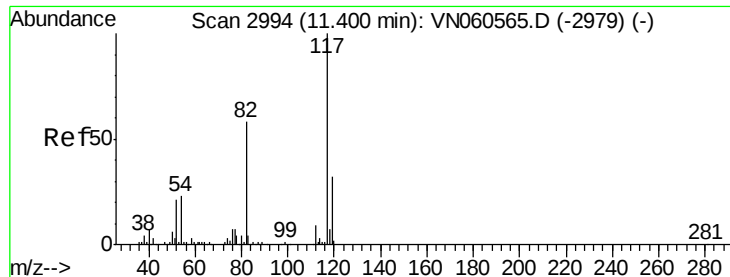
Tot Ion: 43 Resp: 28713
Ion Ratio Lower Upper
43 100
58 19.6 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 52.689 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060657.D
Acq: 20 Mar 2020 16:56

Tgt Ion: 95 Resp: 156375
Ion Ratio Lower Upper
95 100
174 78.0 0.0 157.6
176 76.4 0.0 150.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060657.D

Acq: 20 Mar 2020 16:56

Instrument :

MSVOA_N

ClientSampled :

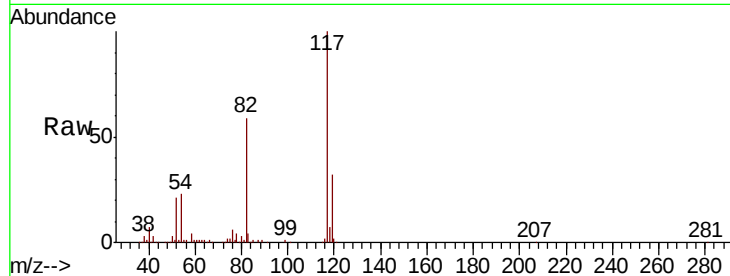
Tot Ion:117 Resp: 312910

Ion Ratio Lower Upper

117 100

82 58.8 46.7 70.1

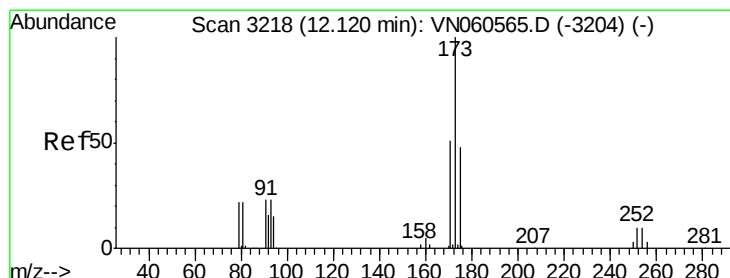
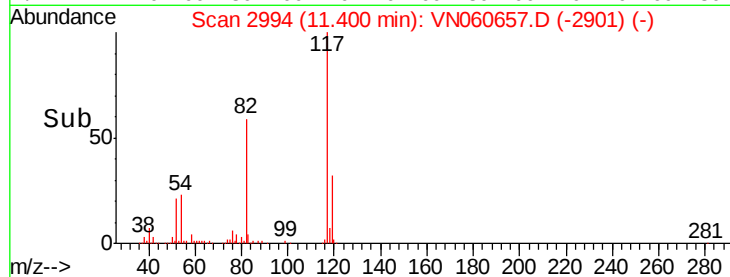
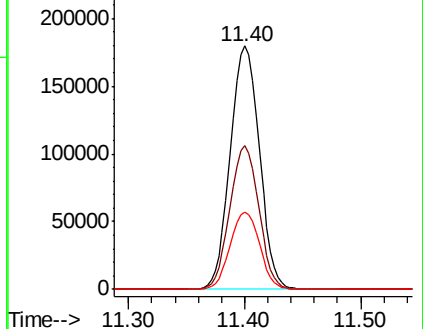
119 31.9 25.5 38.3



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: 1.758 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.27 min

Lab File: VN060657.D

Acq: 20 Mar 2020 16:56

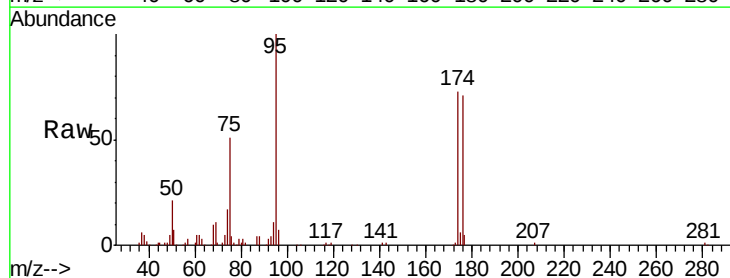
Tgt Ion:173 Resp: 150

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.4#

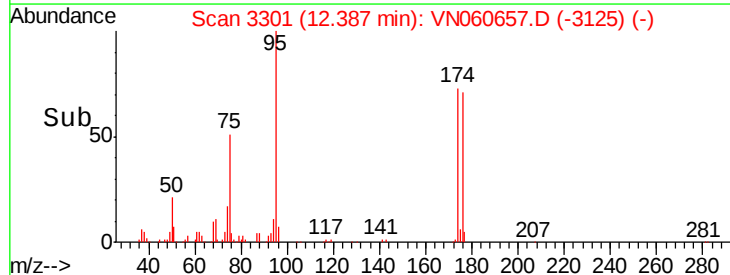
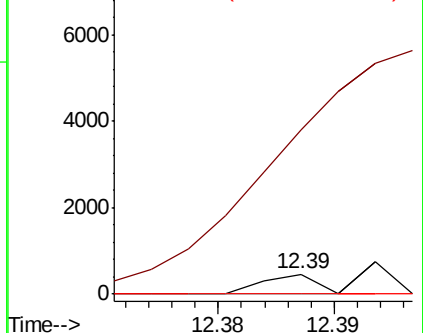
254 0.0 0.0 0.0

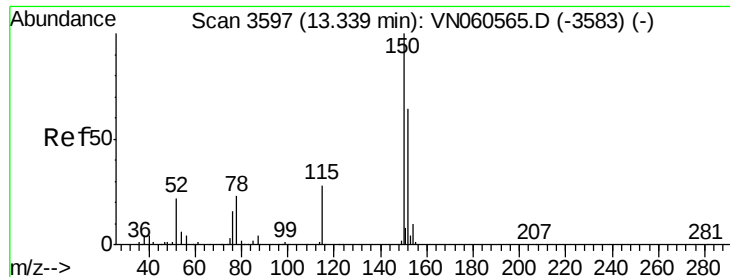


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



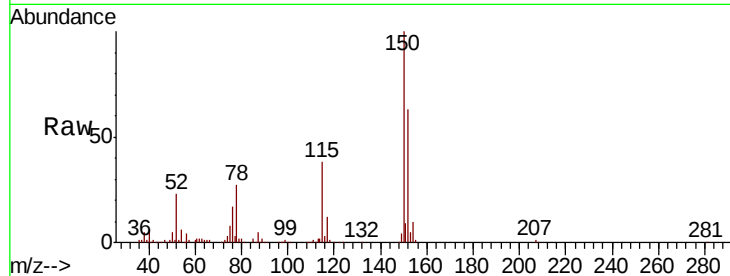


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060657.D
Acq: 20 Mar 2020 16:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.2	90.6
150	156.8	0.0	350.2

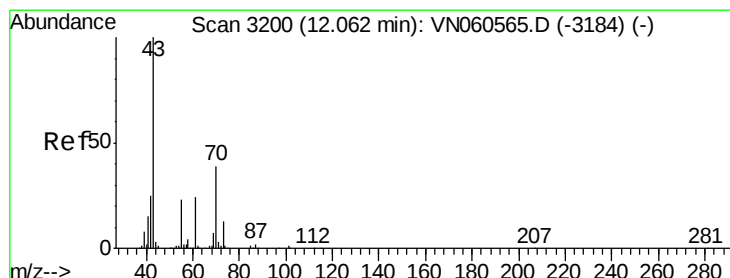
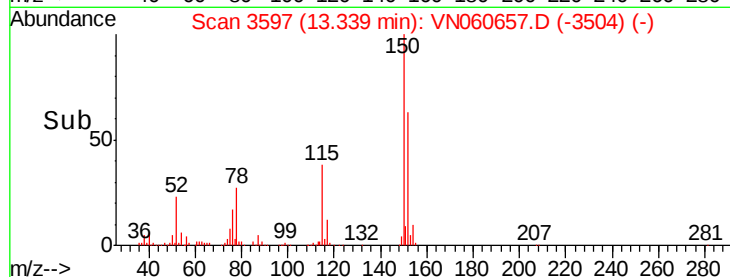
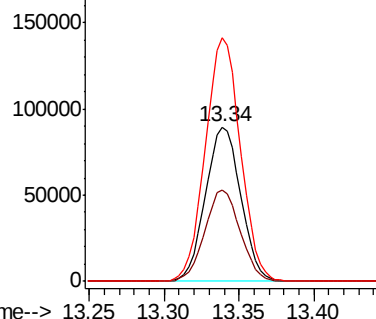


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

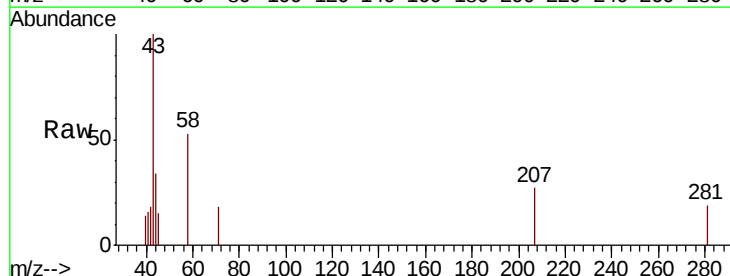
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate
Concen: 0.372 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060657.D
Acq: 20 Mar 2020 16:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.1	46.7#
55	0.0	18.6	27.8#
61	0.0	18.9	28.3#



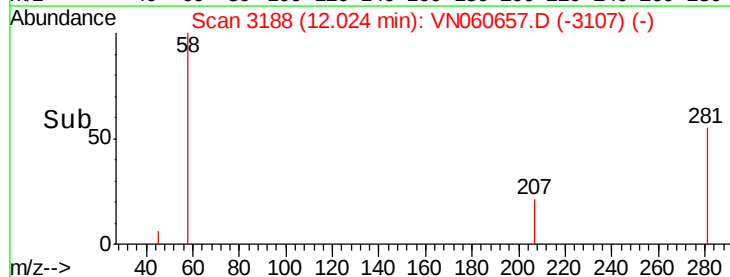
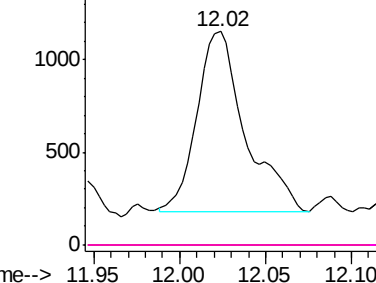
Abundance

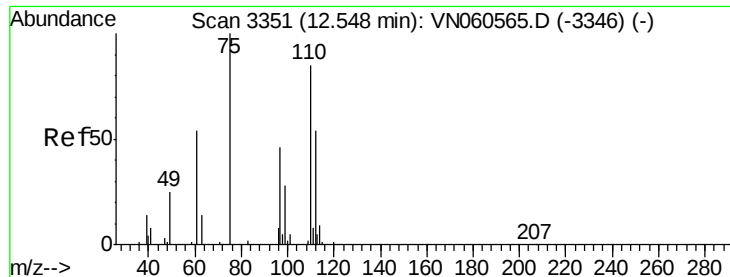
Ion 43.00 (42.70 to 43.70): VN0

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: 24.881 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060657.D

Acq: 20 Mar 2020 16:56

Instrument :

MSVOA_N

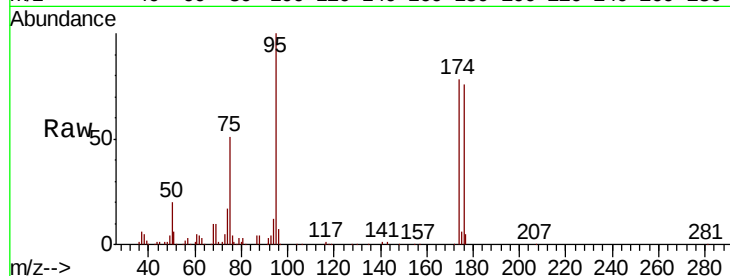
ClientSampled :

Tot Ion: 75 Resp: 79099

Ion Ratio Lower Upper

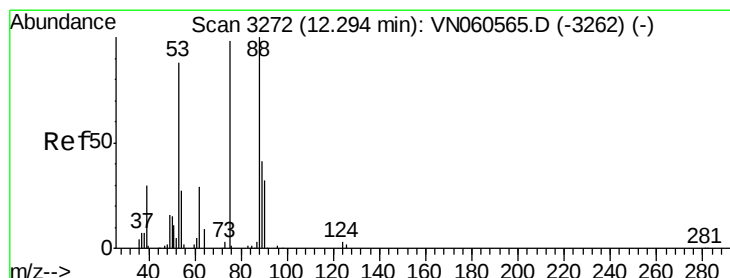
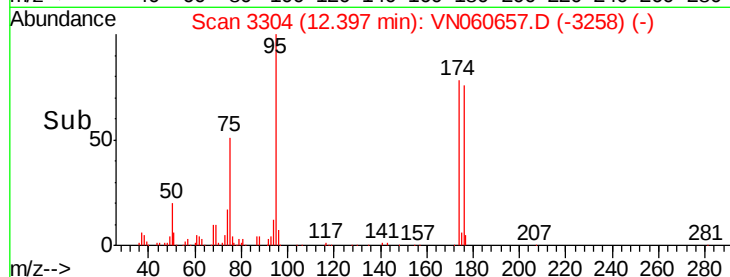
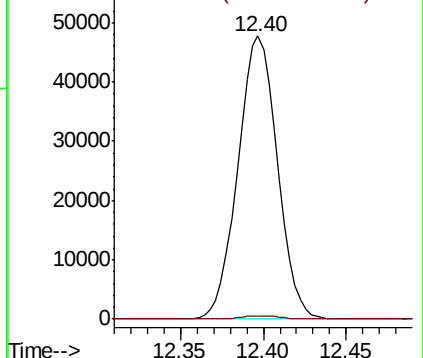
75 100

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: 63.903 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060657.D

Acq: 20 Mar 2020 16:56

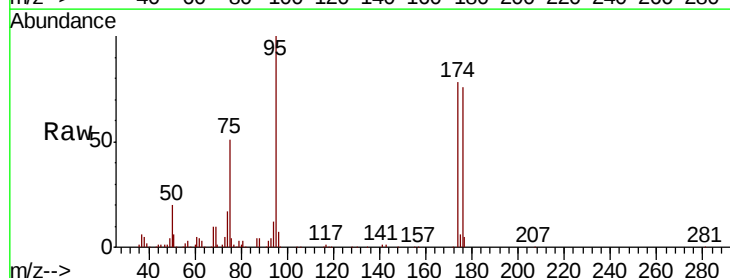
Tgt Ion: 75 Resp: 79099

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



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

