

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060671.D
 Acq On : 24 Mar 2020 14:51
 Operator : JC/MD
 Sample : PB127723TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 03:52:21 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	195061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	322871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	308008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	127205	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
35) Dibromofluoromethane	7.57	113	95939	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.08	98	403516	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.40	95	152047	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	

Target Compounds

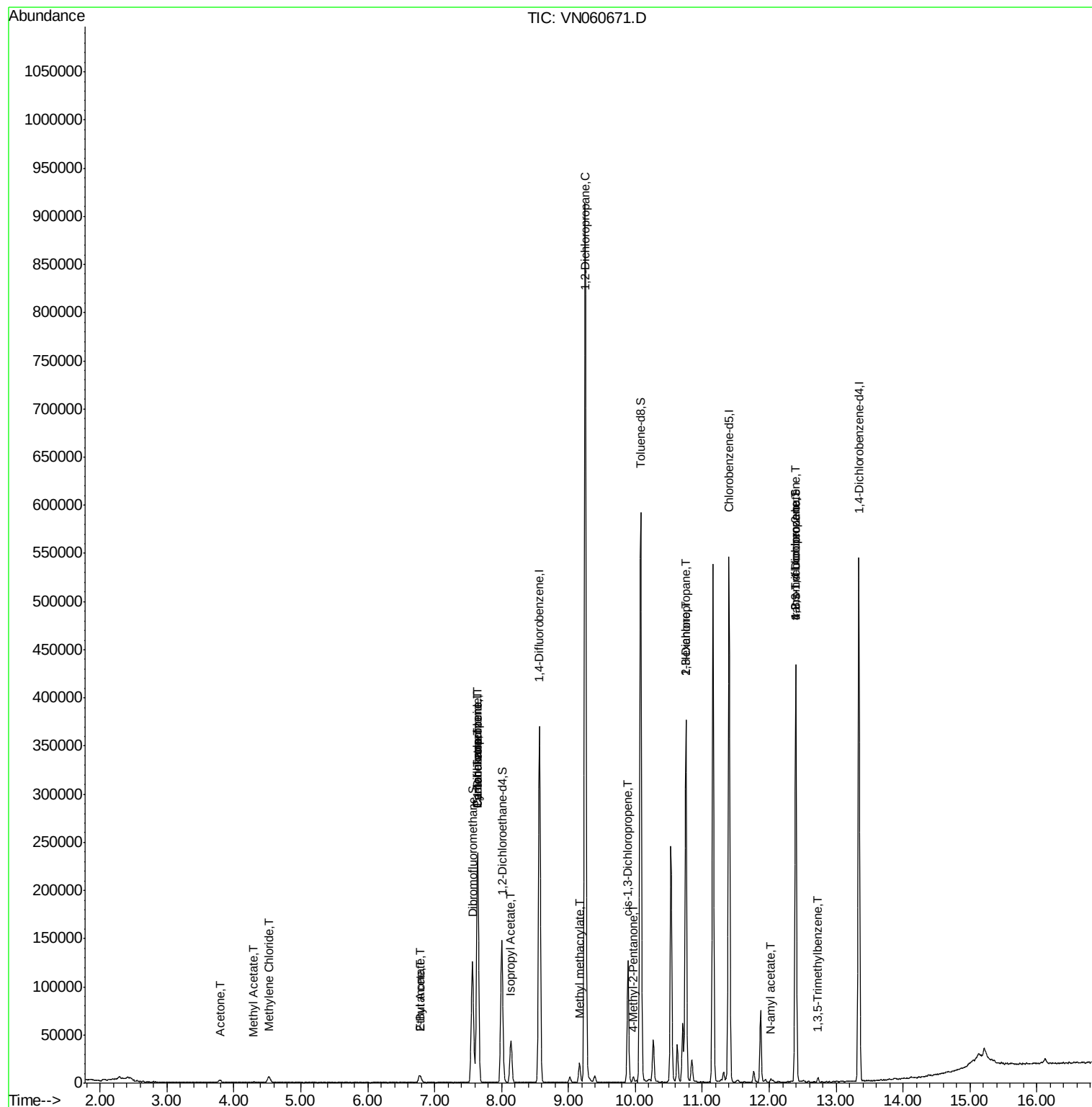
					Qvalue	
16) Acetone	3.79	43	4906	5.172	ug/l	97
18) Methyl Acetate	4.28	43	928	0.348	ug/l #	54
20) Methylene Chloride	4.53	84	5031	2.156	ug/l	94
25) 2-Butanone	6.80	43	1324	0.863	ug/l #	50
31) Cyclohexane	7.64	56	4141	0.960	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15253	4.879	ug/l #	49
37) Ethyl Acetate	6.80	43	1324	0.392	ug/l #	79
38) Carbon Tetrachloride	7.64	117	19095	6.815	ug/l #	16
43) Isopropyl Acetate	8.14	43	52877	9.491	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1222	0.491	ug/l #	43
48) Methyl methacrylate	9.16	41	3072	1.238	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4129	1.302	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	21759	5.519	ug/l #	63
57) 1,3-Dichloropropane	10.75	76	3491	0.917	ug/l #	42
59) 2-Hexanone	10.75	43	55992	24.518	ug/l #	53
74) N-amyl acetate	12.02	43	2722	0.558	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	76082	25.059	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3219	0.359	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.40	75	76082	64.358	ug/l #	13

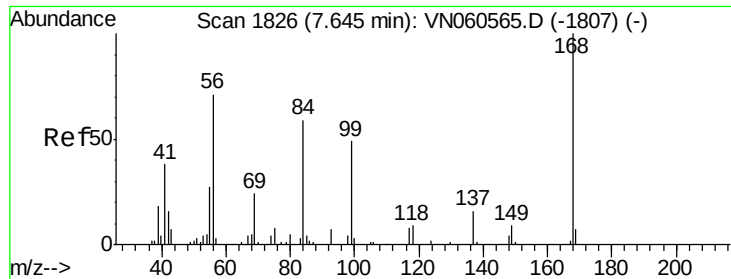
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1825

Delta R.T. -0.00 min

Lab File: VN060671.D

Acq: 24 Mar 2020 14:51

Instrument :

MSVOA_N

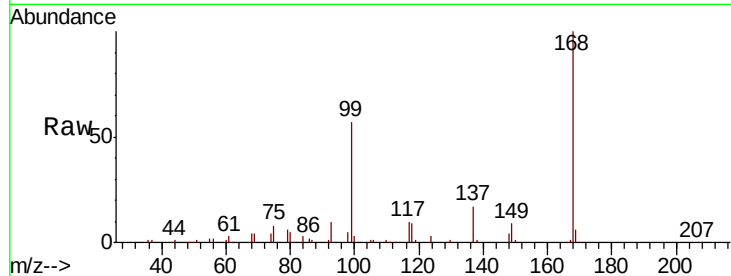
ClientSampled :

Tot Ion:168 Resp: 195061

Ion Ratio Lower Upper

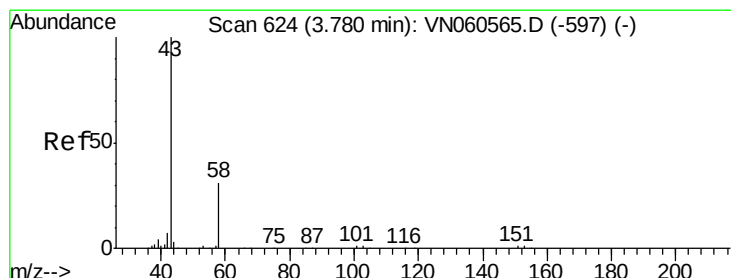
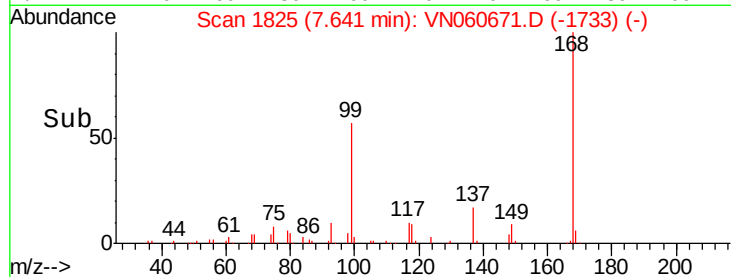
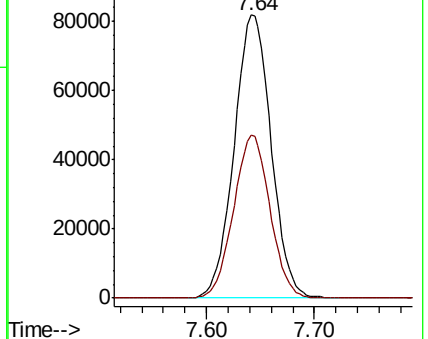
168 100

99 57.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060671.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060671.D (-1733) (-)



#16

Acetone

Concen: 5.172 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060671.D

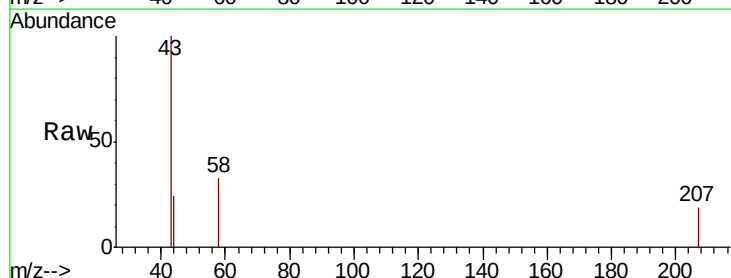
Acq: 24 Mar 2020 14:51

Tgt Ion: 43 Resp: 4906

Ion Ratio Lower Upper

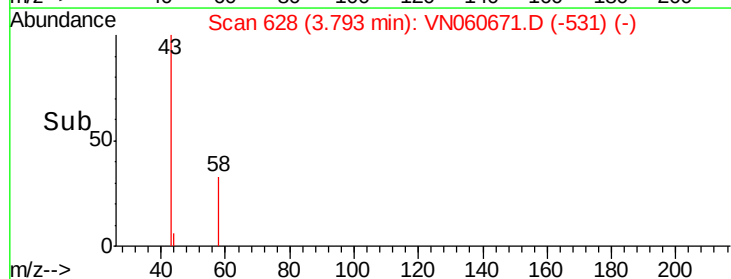
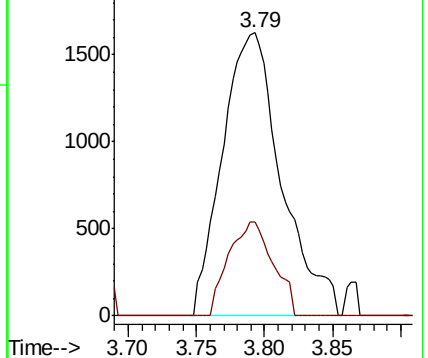
43 100

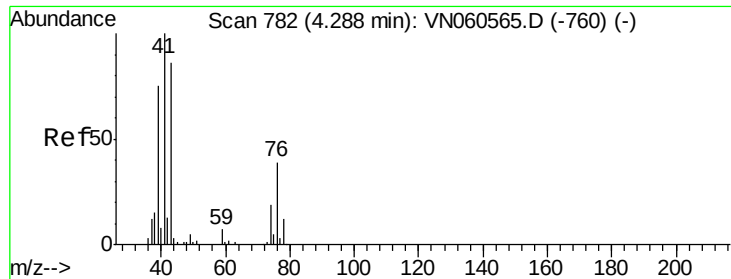
58 33.0 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060671.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060671.D (-531) (-)

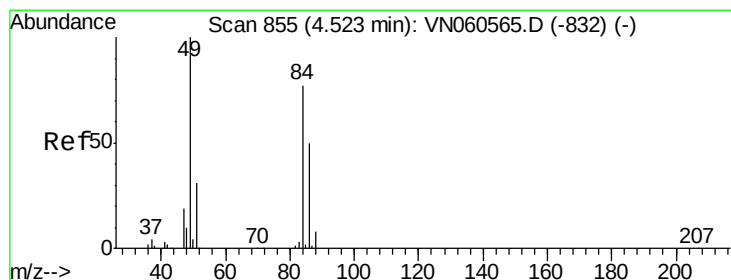
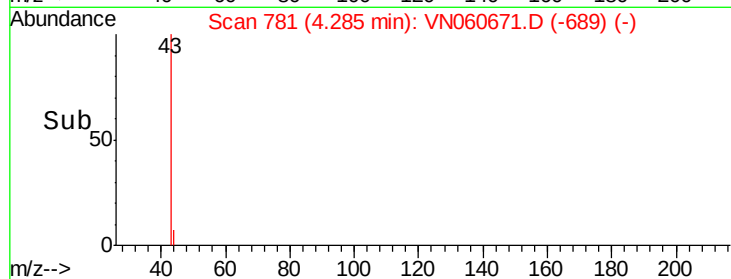
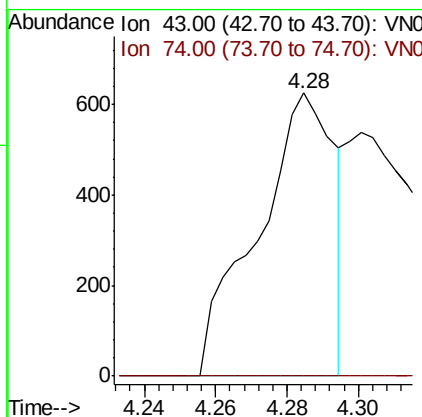
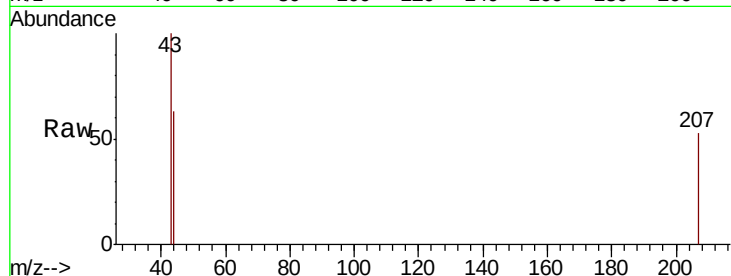




#18
Methyl Acetate
Concen: 0.348 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060671.D
Acq: 24 Mar 2020 14:51

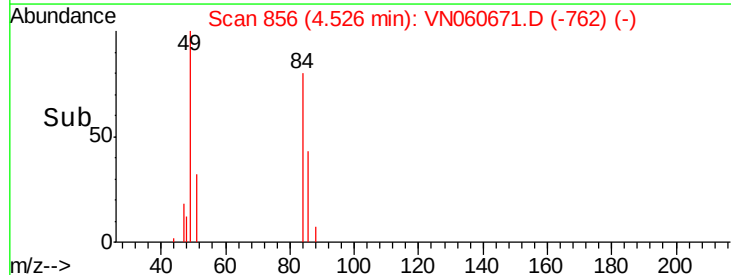
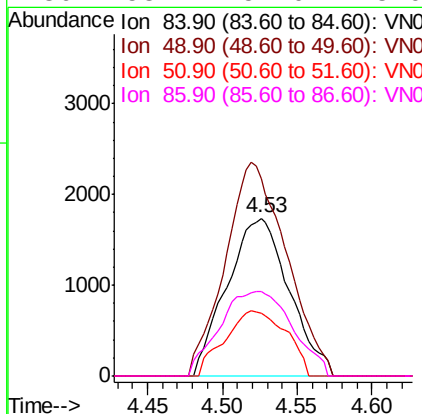
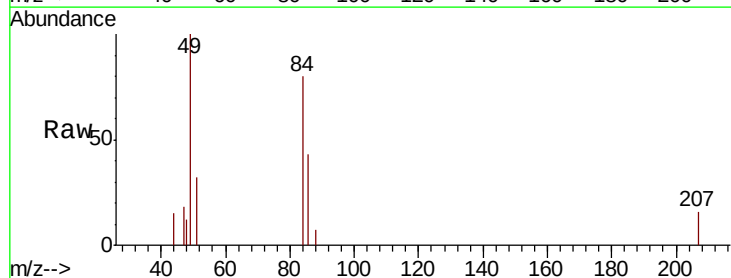
Instrument :
MSVOA_N
ClientSampled :

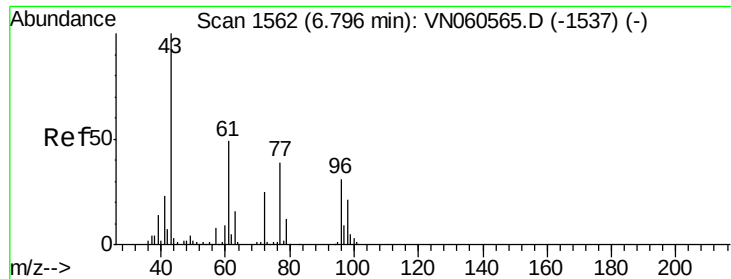
Tot Ion: 43 Resp: 928
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.156 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060671.D
Acq: 24 Mar 2020 14:51

Tgt Ion: 84 Resp: 5031
Ion Ratio Lower Upper
84 100
49 124.7 103.3 154.9
51 39.5 31.6 47.4
86 53.2 52.0 78.0

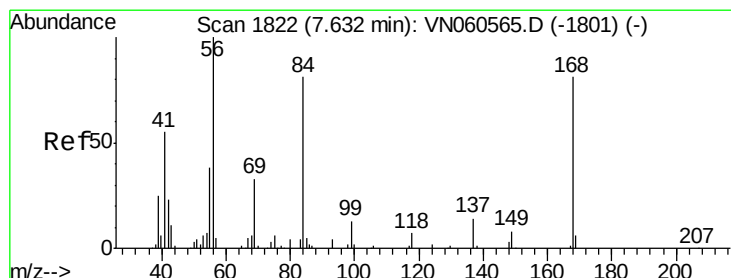
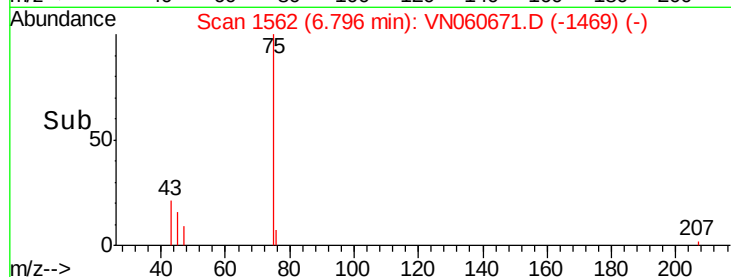
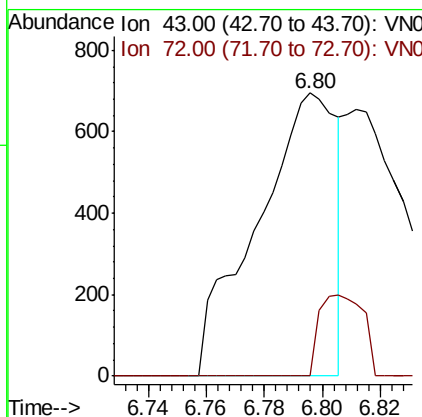
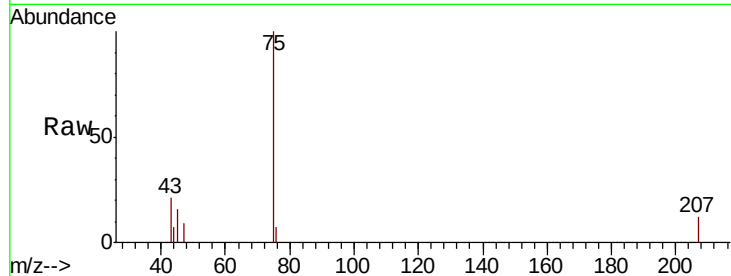




#25
2-Butanone
Concen: 0.863 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060671.D
Acq: 24 Mar 2020 14:51

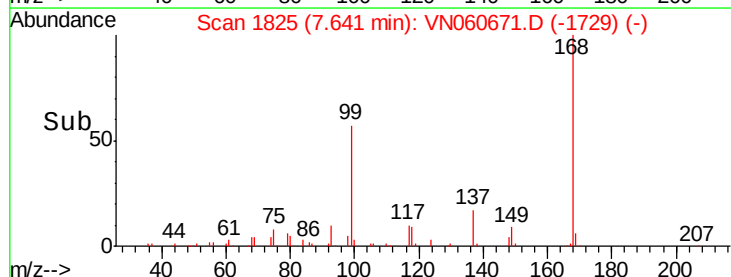
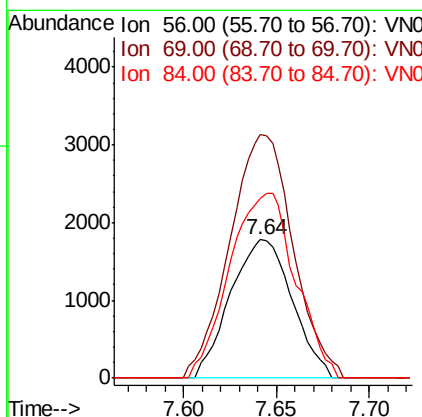
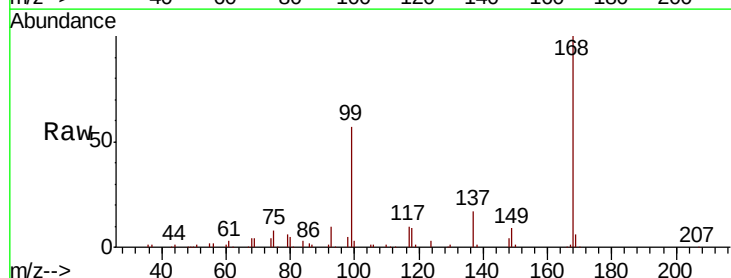
Instrument :
MSVOA_N
ClientSampleId :

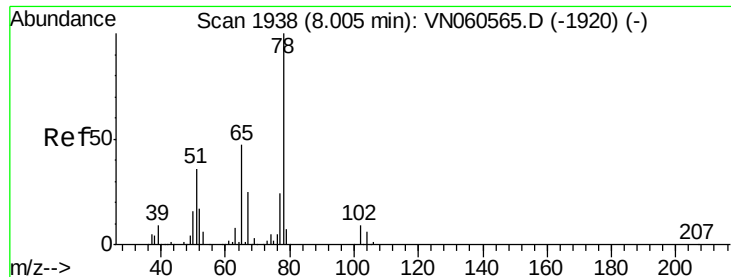
Tot Ion: 43 Resp: 1324
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.960 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060671.D
Acq: 24 Mar 2020 14:51

Tgt Ion: 56 Resp: 4141
Ion Ratio Lower Upper
56 100
69 167.7 26.6 40.0#
84 129.7 64.3 96.5#

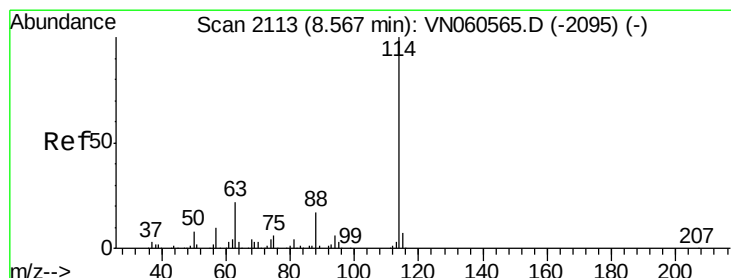
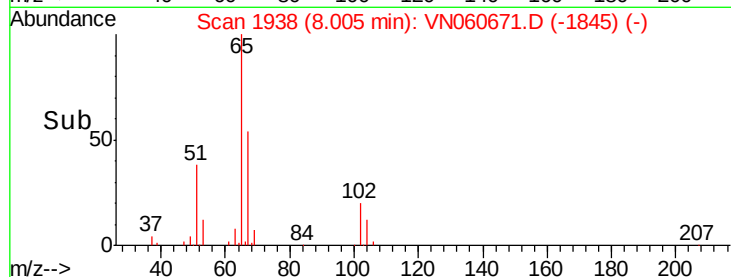
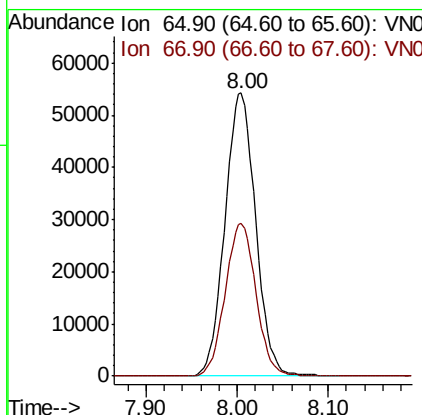
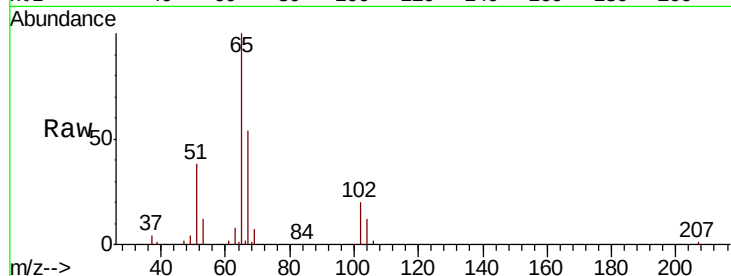




#33
 1,2-Dichloroethane-d4
 Concen: 47.505 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060671.D
 Acq: 24 Mar 2020 14:51

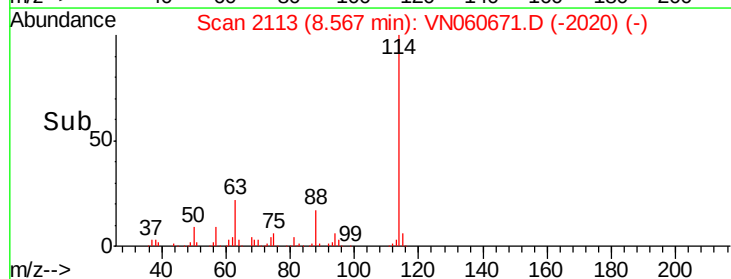
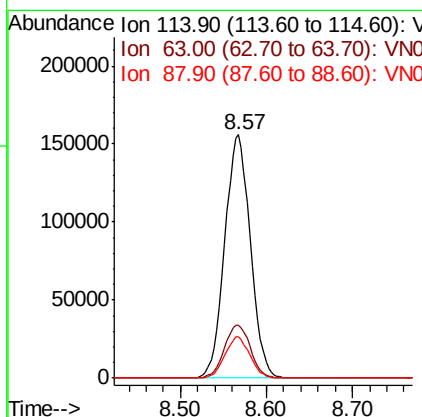
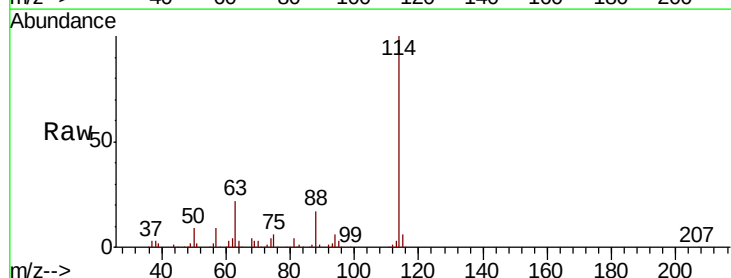
Instrument :
 MSVOA_N
 ClientSampled :

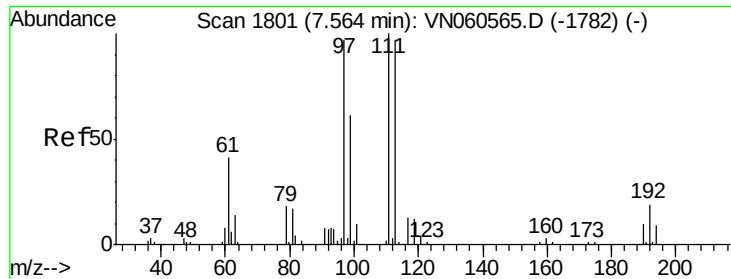
Tot Ion: 65 Resp: 127205
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060671.D
 Acq: 24 Mar 2020 14:51

Tgt Ion: 114 Resp: 322871
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.8
 88 16.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.142 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060671.D

Acq: 24 Mar 2020 14:51

Instrument :
MSVOA_N
ClientSampled :

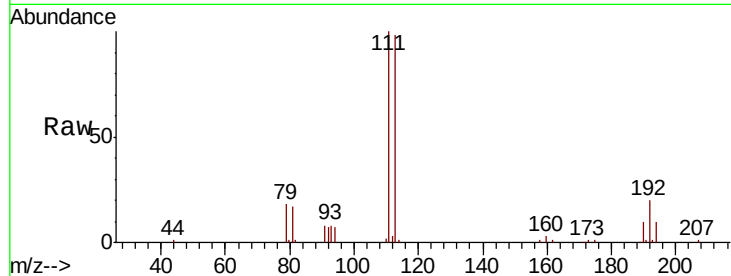
Tot Ion:113 Resp: 95939

Ion Ratio Lower Upper

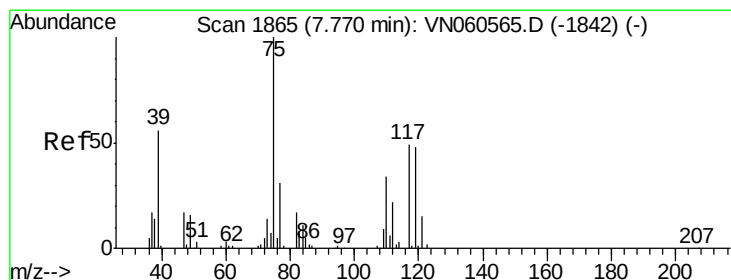
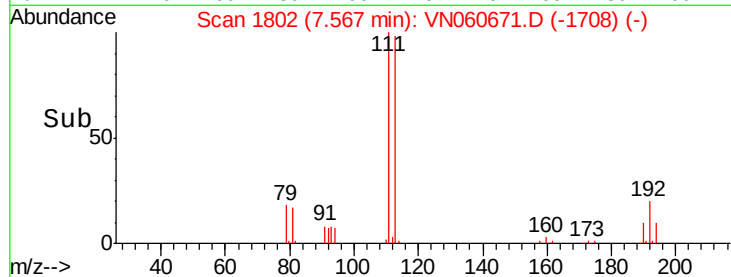
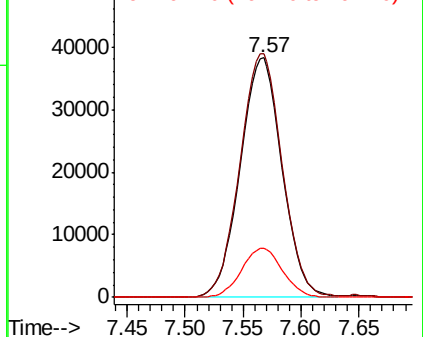
113 100

111 102.7 82.9 124.3

192 20.1 15.8 23.8



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: 4.879 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060671.D

Acq: 24 Mar 2020 14:51

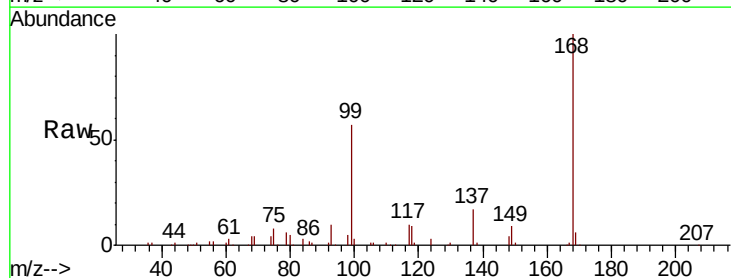
Tgt Ion: 75 Resp: 15253

Ion Ratio Lower Upper

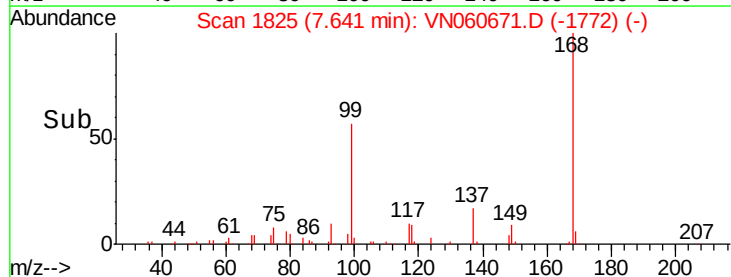
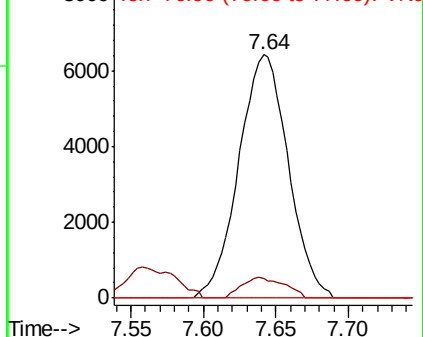
75 100

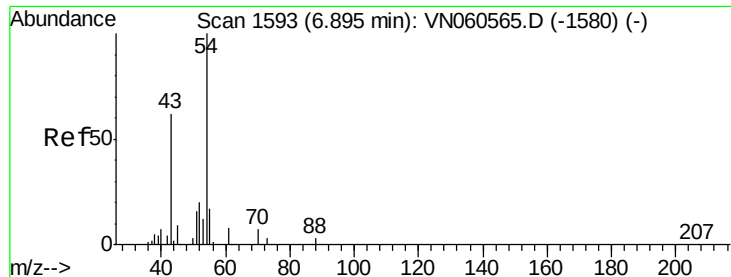
110 7.3 16.9 50.6#

77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VN0

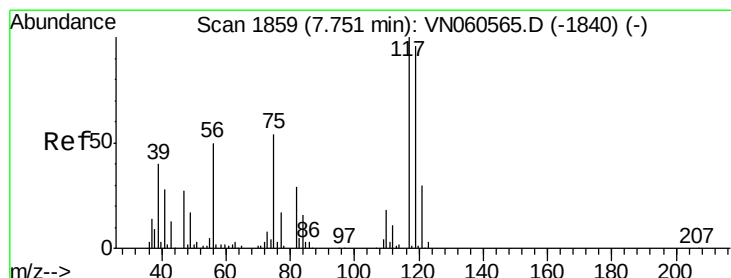
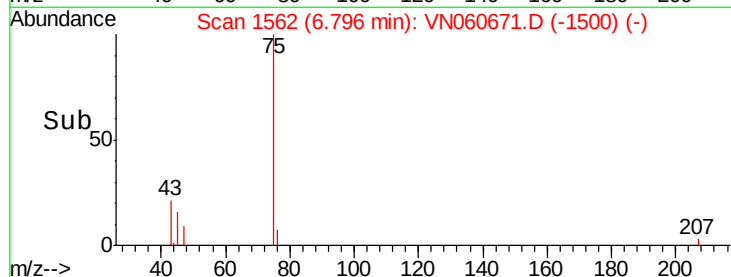
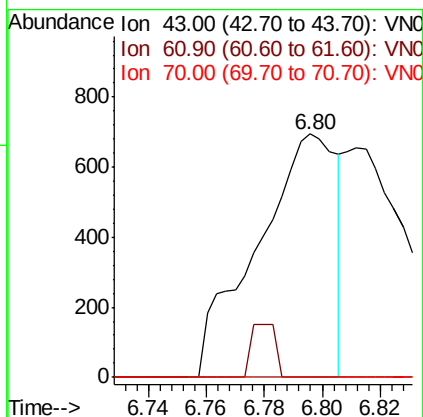
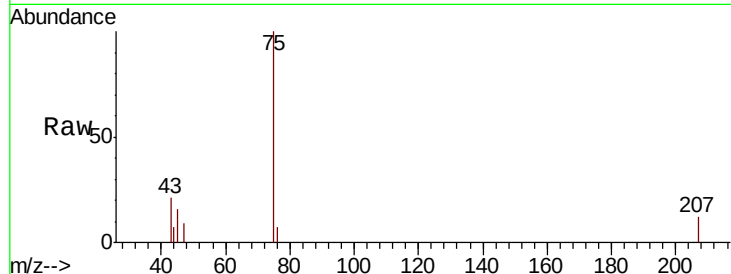




#37
Ethyl Acetate
Concen: 0.392 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VN060671.D
Acq: 24 Mar 2020 14:51

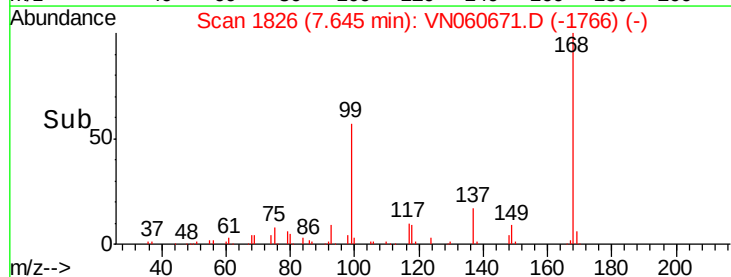
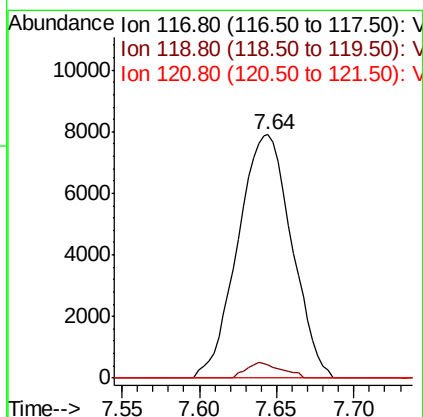
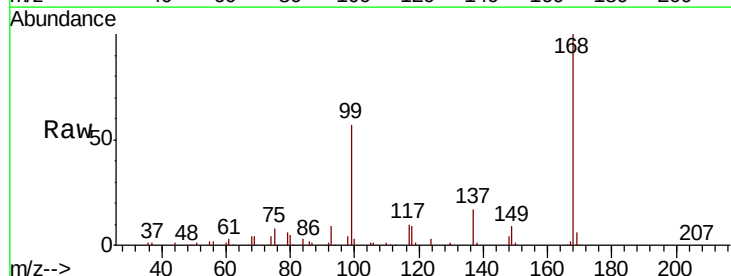
Instrument :
MSVOA_N
ClientSampled :

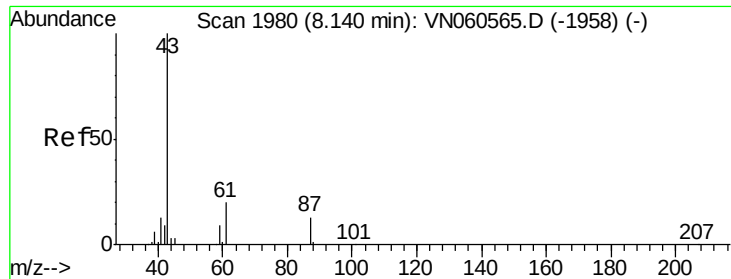
Tot Ion: 43 Resp: 1324
Ion Ratio Lower Upper
43 100
61 6.6 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.815 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060671.D
Acq: 24 Mar 2020 14:51

Tgt Ion: 117 Resp: 19095
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 9.491 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060671.D

Acq: 24 Mar 2020 14:51

Instrument :

MSVOA_N

ClientSampled :

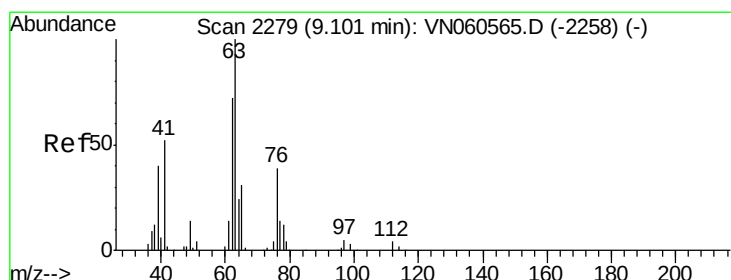
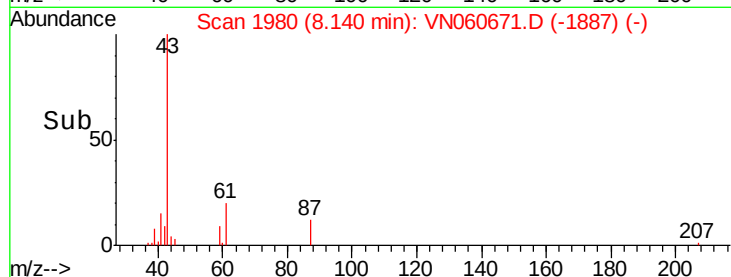
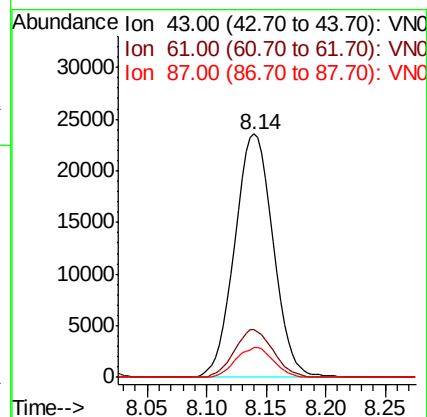
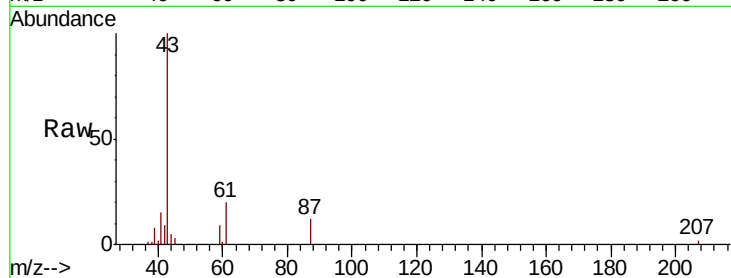
Tot Ion: 43 Resp: 52877

Ion Ratio Lower Upper

43 100

61 19.5 20.7 31.1#

87 11.8 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.491 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060671.D

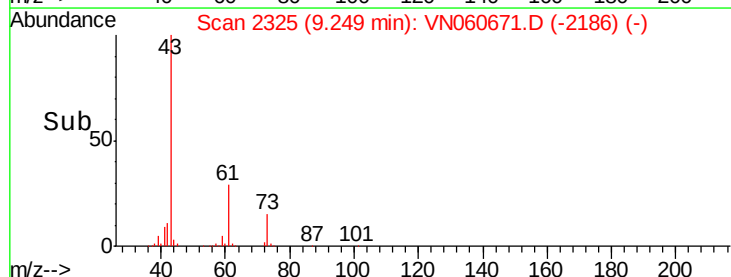
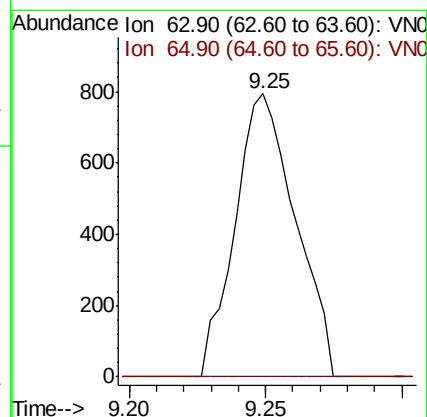
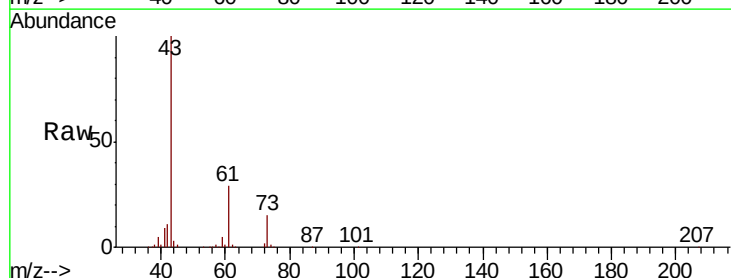
Acq: 24 Mar 2020 14:51

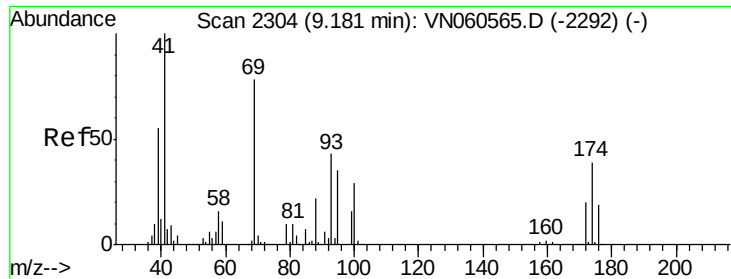
Tgt Ion: 63 Resp: 1222

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

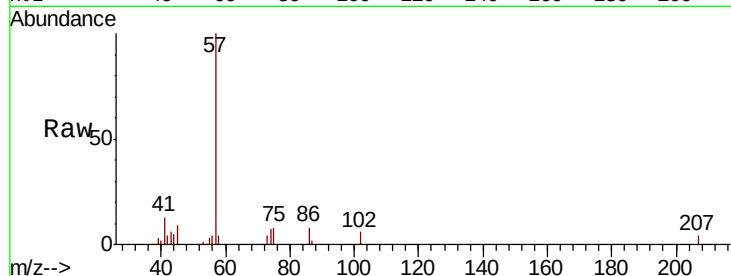




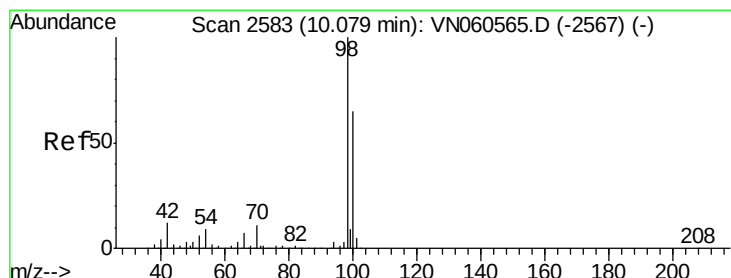
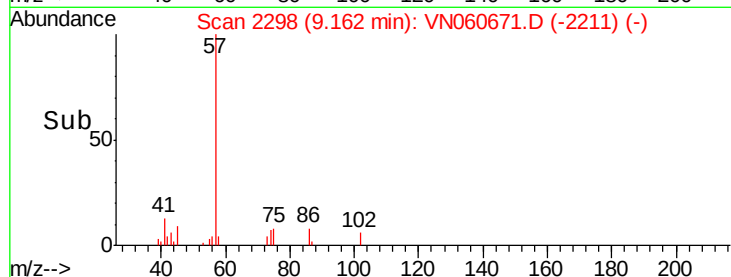
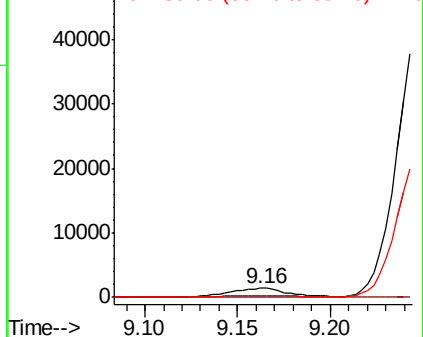
#48
Methvl methacrylate
Concen: 1.238 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060671.D
Acq: 24 Mar 2020 14:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 3072
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

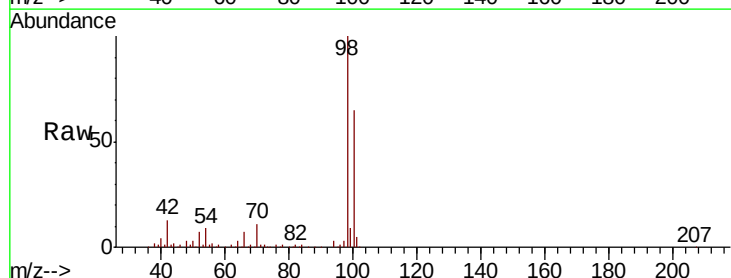


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

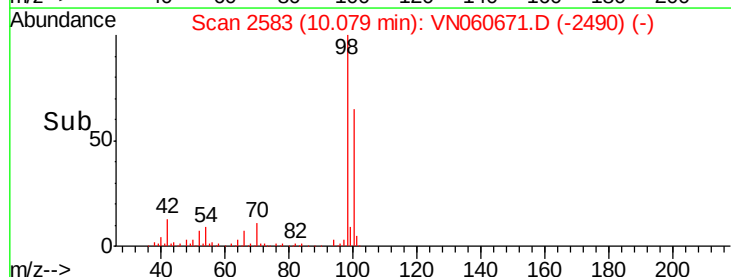
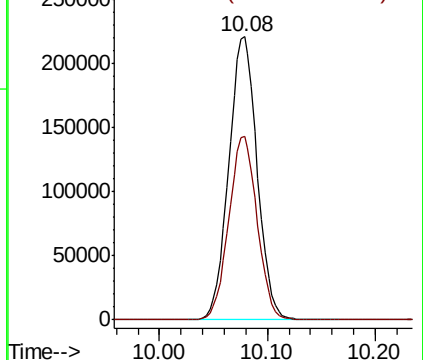


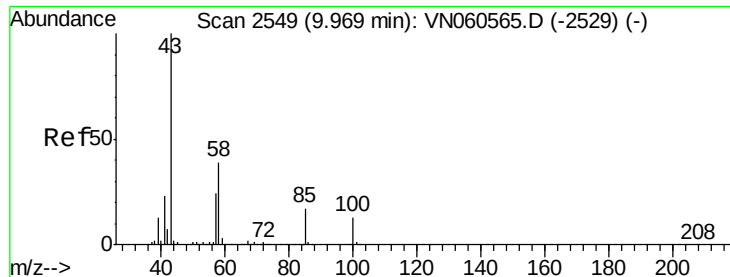
#50
Toluene-d8
Concen: 50.602 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060671.D
Acq: 24 Mar 2020 14:51

Tgt Ion: 98 Resp: 403516
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



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

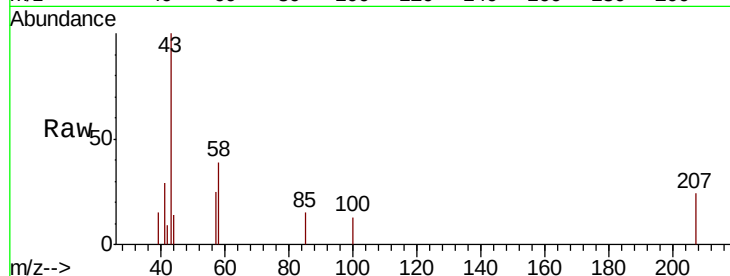




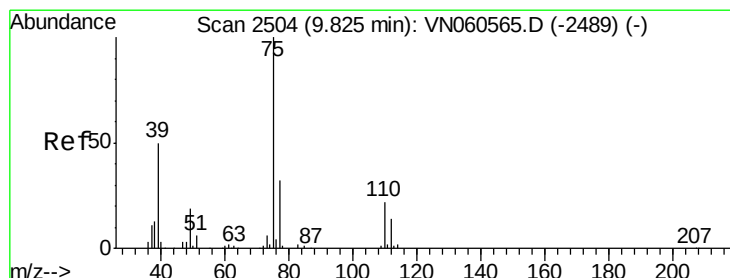
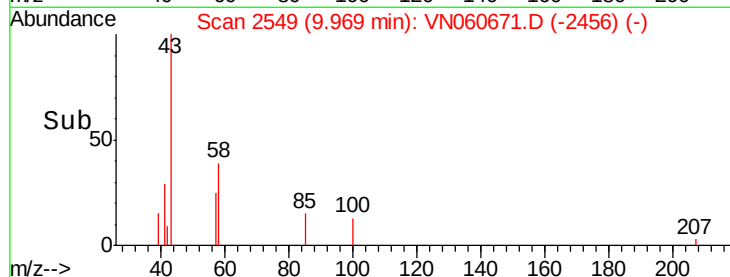
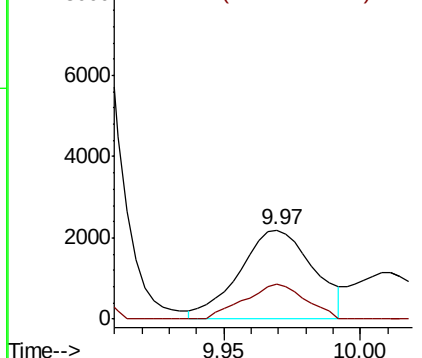
#51
4-Methyl-2-Pentanone
Concen: 1.302 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060671.D
Acq: 24 Mar 2020 14:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4129
Ion Ratio Lower Upper
43 100
58 32.4 30.8 46.2

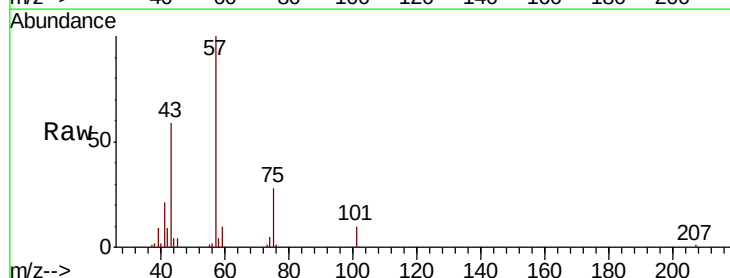


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

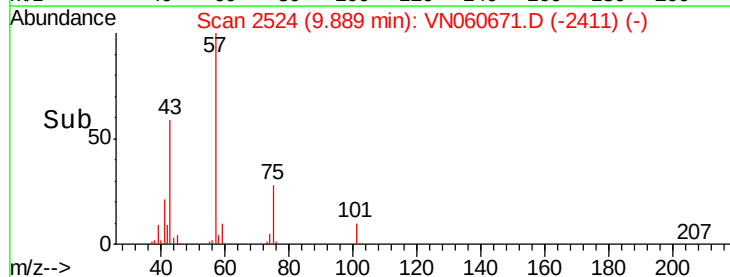
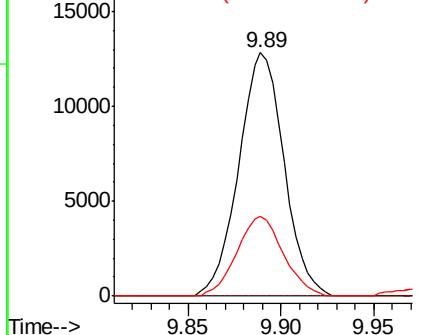


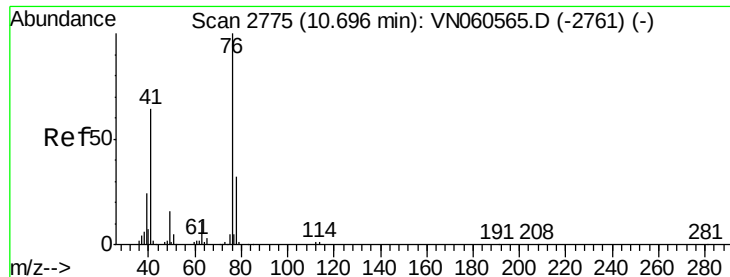
#54
cis-1,3-Dichloropropene
Concen: 5.519 ug/l
RT: 9.89 min Scan# 2524
Delta R.T. 0.06 min
Lab File: VN060671.D
Acq: 24 Mar 2020 14:51

Tgt Ion: 75 Resp: 21759
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 33.0 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0
Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.917 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060671.D

Acq: 24 Mar 2020 14:51

Instrument :

MSVOA_N

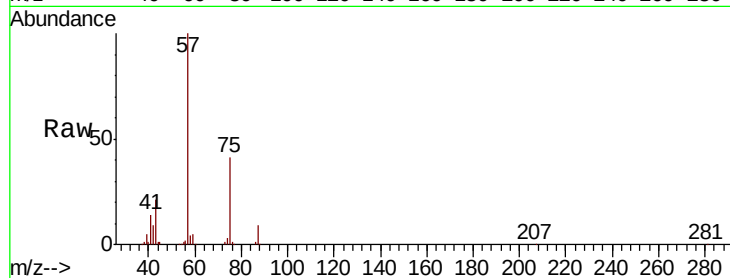
ClientSampled :

Tot Ion: 76 Resp: 3491

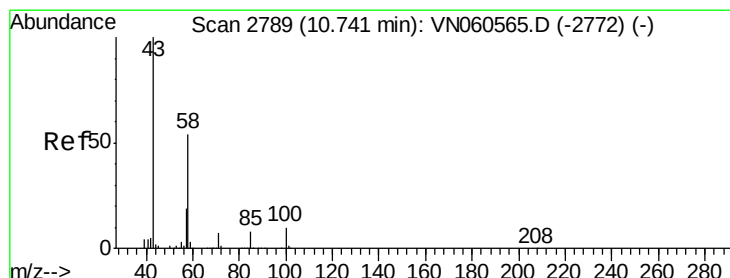
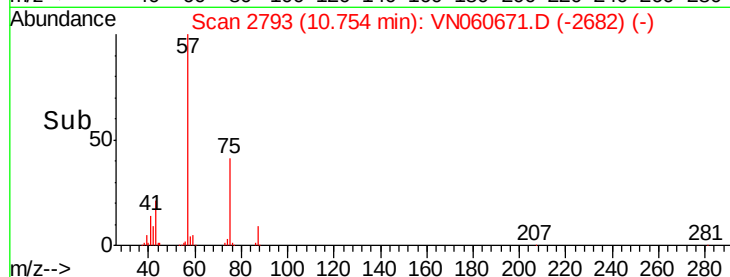
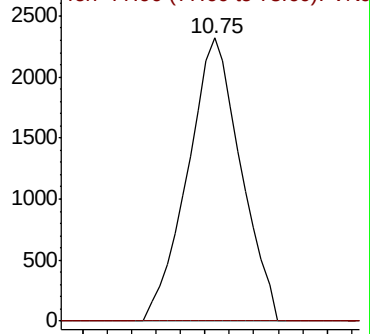
Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN060671.D (-2682) (-)



#59

2-Hexanone

Concen: 24.518 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060671.D

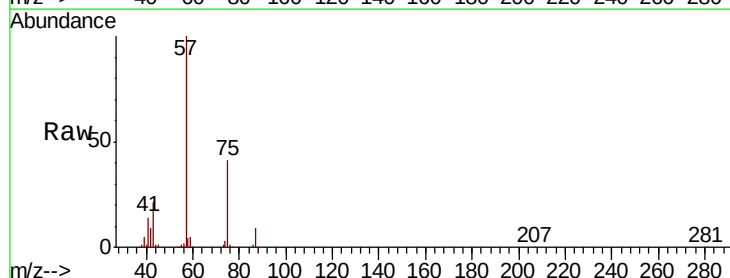
Acq: 24 Mar 2020 14:51

Tgt Ion: 43 Resp: 55992

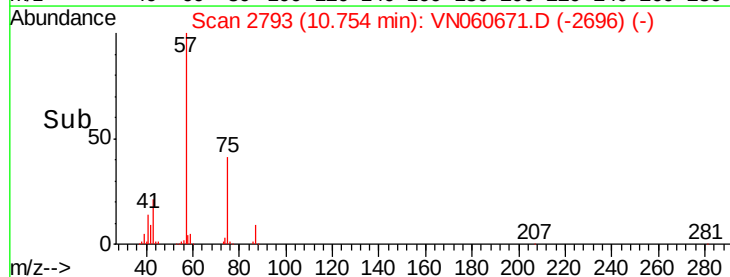
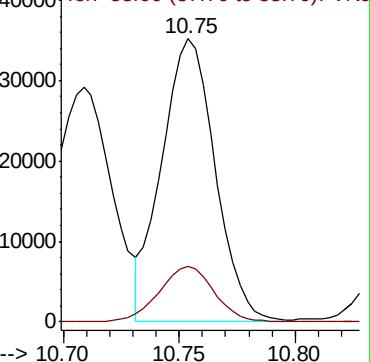
Ion Ratio Lower Upper

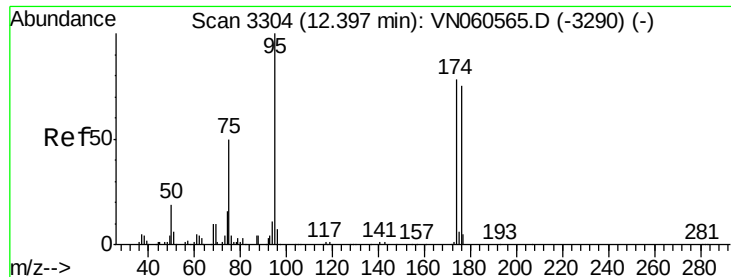
43 100

58 20.1 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN060671.D (-2696) (-)





#62

4-Bromofluorobenzene

Concen: 52.026 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060671.D

Acq: 24 Mar 2020 14:51

Instrument :

MSVOA_N

ClientSampleId :

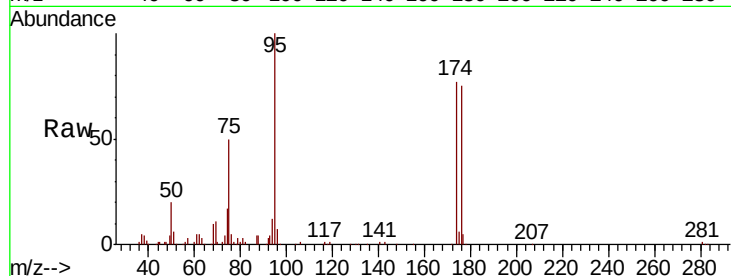
Tot Ion: 95 Resp: 152047

Ion Ratio Lower Upper

95 100

174 77.1 0.0 157.6

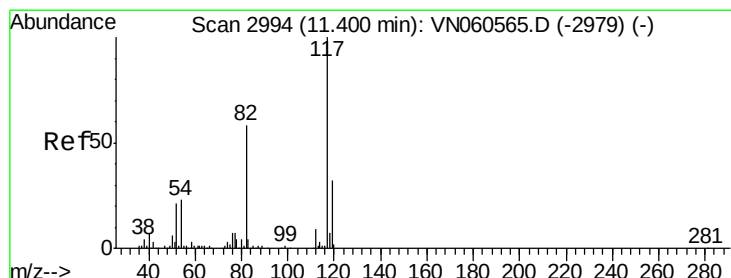
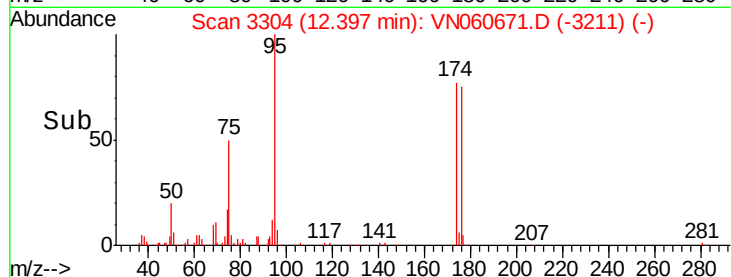
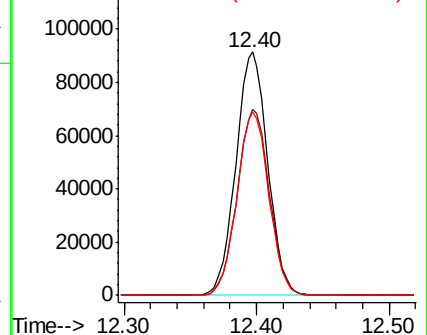
176 75.6 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060671.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060671.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060671.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060671.D

Acq: 24 Mar 2020 14:51

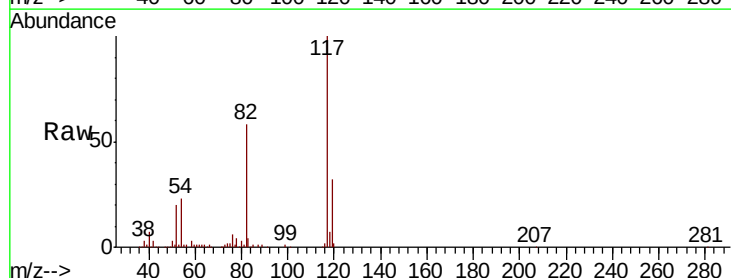
Tgt Ion: 117 Resp: 308008

Ion Ratio Lower Upper

117 100

82 58.2 46.7 70.1

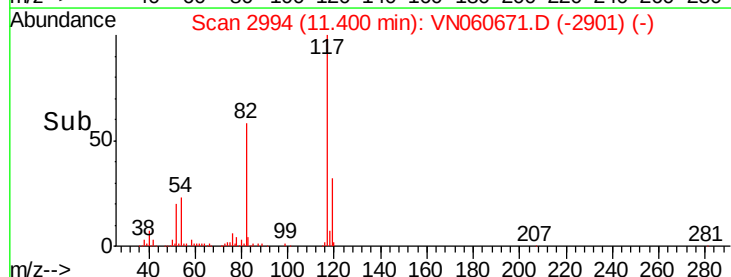
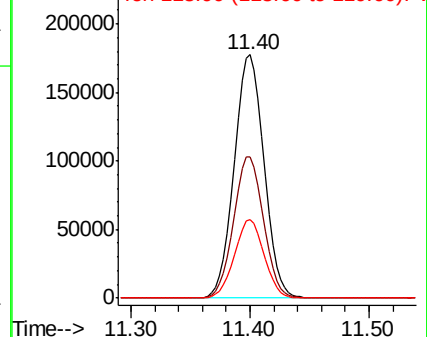
119 32.3 25.5 38.3

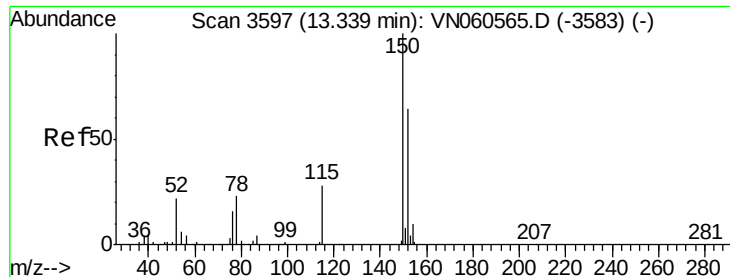


Abundance Ion 116.90 (116.60 to 117.60): VN060671.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060671.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060671.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060671.D

Acq: 24 Mar 2020 14:51

Instrument :

MSVOA_N

ClientSampled :

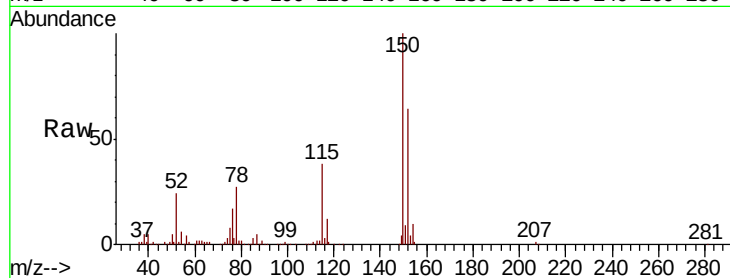
Tot Ion:152 Resp: 140706

Ion Ratio Lower Upper

152 100

115 59.1 30.2 90.6

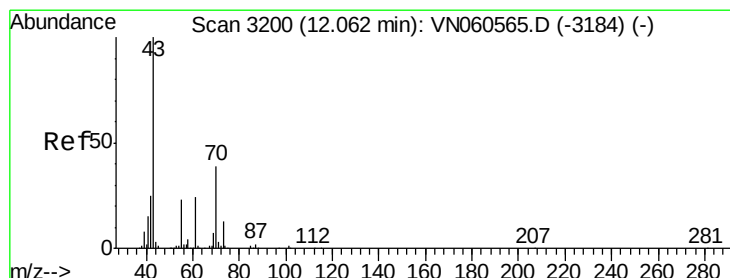
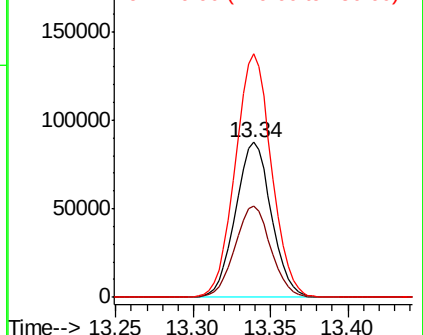
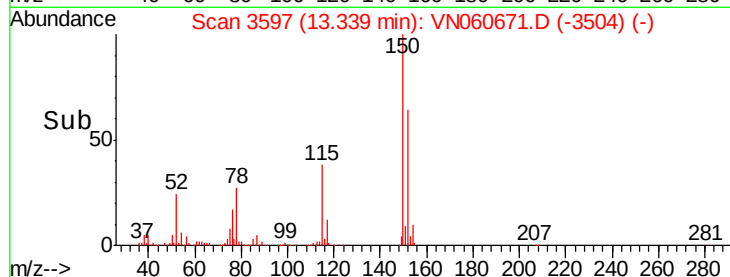
150 158.3 0.0 350.2



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: 0.558 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060671.D

Acq: 24 Mar 2020 14:51

Tgt Ion: 43 Resp: 2722

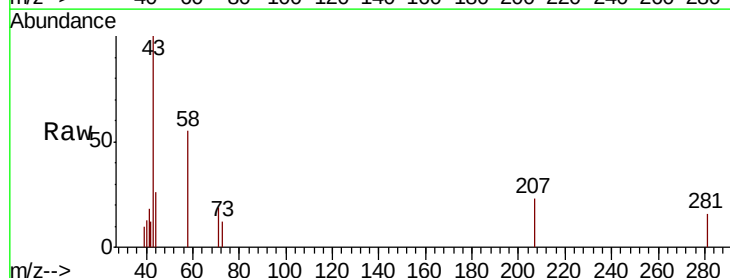
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

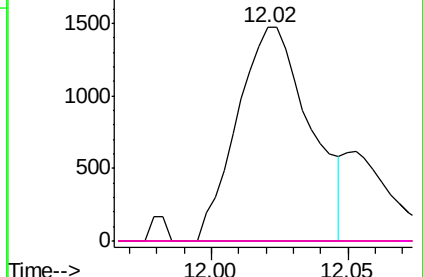
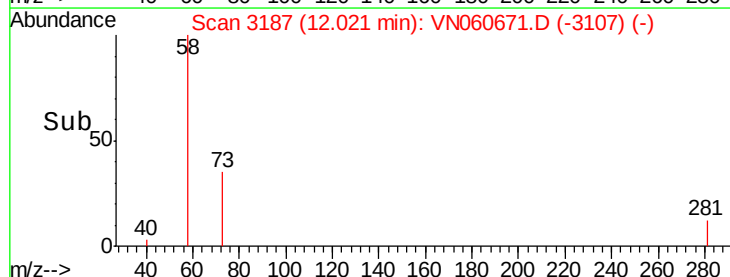


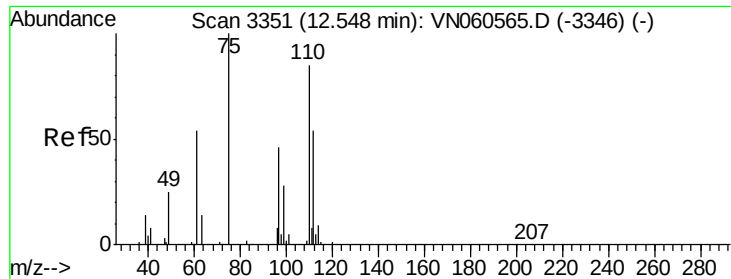
Abundance Ion 43.00 (42.70 to 43.70): V

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: 25.059 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060671.D

Acq: 24 Mar 2020 14:51

Instrument :

MSVOA_N

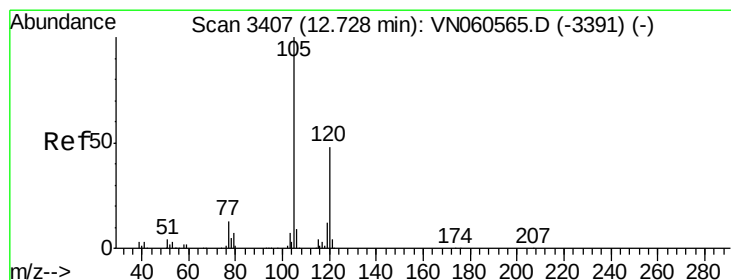
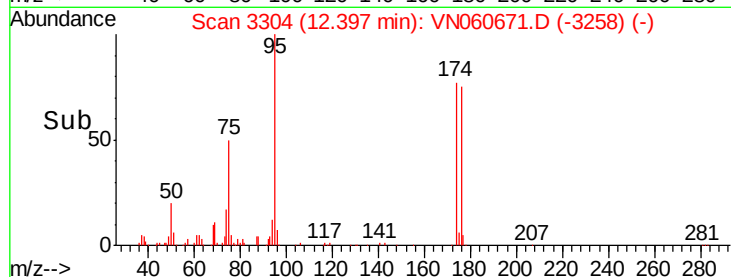
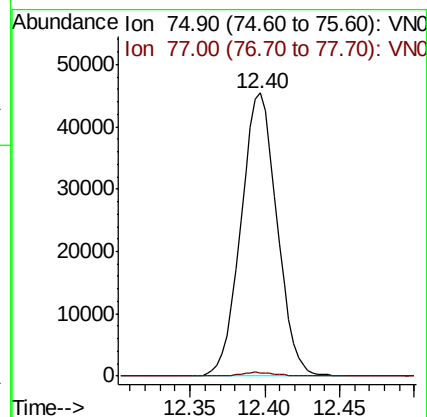
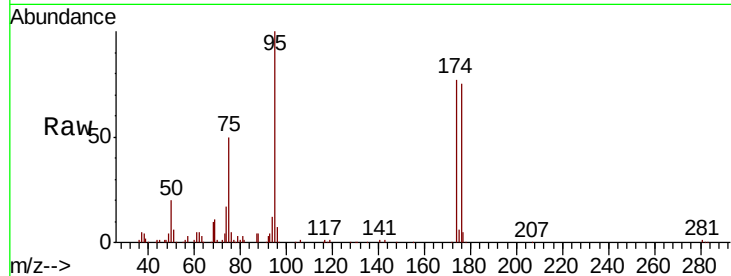
ClientSampled :

Tot Ion: 75 Resp: 76082

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.359 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060671.D

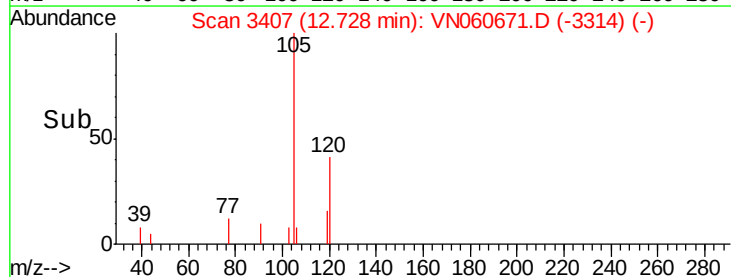
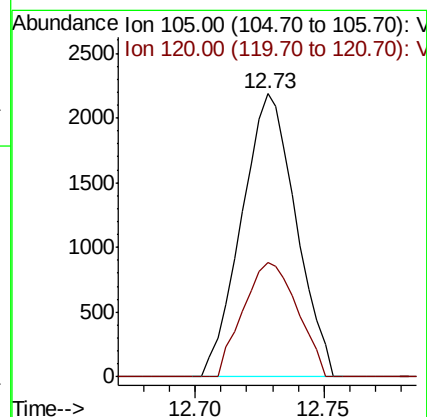
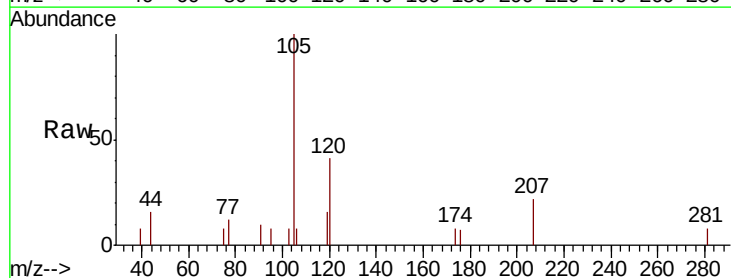
Acq: 24 Mar 2020 14:51

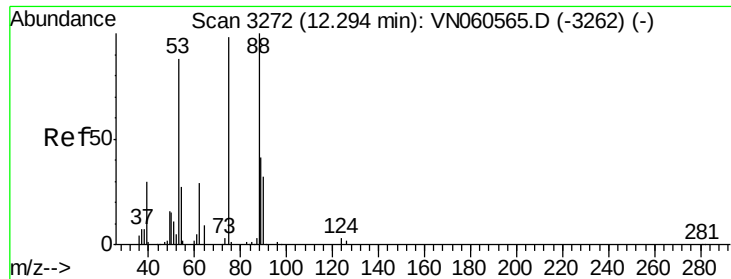
Tgt Ion: 105 Resp: 3219

Ion Ratio Lower Upper

105 100

120 40.2 23.9 71.7





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.358 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060671.D
 Acq: 24 Mar 2020 14:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 76082
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

