

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\
 Data File : VN060787.D
 Acq On : 31 Mar 2020 15:42
 Operator : JC/MD
 Sample : L1762-25
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 08:23:38 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

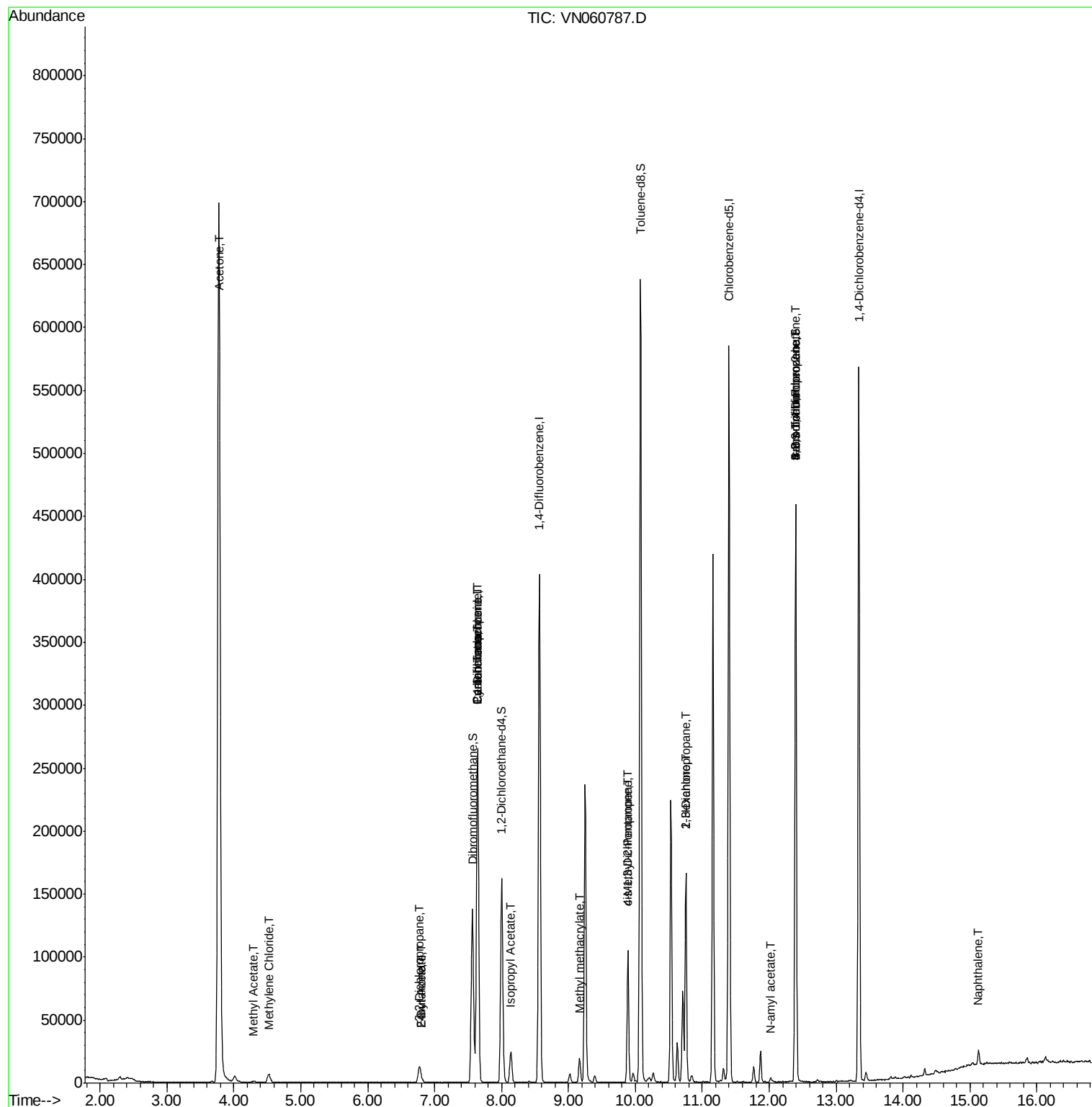
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	218044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	360492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	331492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150491	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	138443	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
35) Dibromofluoromethane	7.56	113	105152	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
50) Toluene-d8	10.08	98	441248	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	162341	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	1177280	1110.359	ug/l	100
18) Methyl Acetate	4.29	43	3025	1.014	ug/l #	67
20) Methylene Chloride	4.52	84	5067	1.943	ug/l	94
25) 2-Butanone	6.80	43	3719	2.168	ug/l	100
26) 2,2-Dichloropropane	6.77	77	946	0.251	ug/l #	53
31) Cyclohexane	7.64	56	4560	0.946	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	17010	4.873	ug/l #	50
37) Ethyl Acetate	6.80	43	3719	0.986	ug/l #	70
38) Carbon Tetrachloride	7.64	117	20579	6.578	ug/l #	16
43) Isopropyl Acetate	8.14	43	30354	4.880	ug/l #	91
48) Methyl methacrylate	9.16	41	2659	0.960	ug/l #	15
51) 4-Methyl-2-Pentanone	9.89	43	39258	11.091	ug/l #	47
54) cis-1,3-Dichloropropene	9.89	75	18376	4.175	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	1552	0.365	ug/l #	42
59) 2-Hexanone	10.75	43	24013	9.418	ug/l #	54
71) Bromoform	12.40	173	492	1.921	ug/l #	1
74) N-amyl acetate	12.02	43	3350	0.642	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	82237	25.325	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	82237	65.042	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.46	75	59	Below Cal	#	3
95) Naphthalene	15.13	128	9714	1.146	ug/l	97

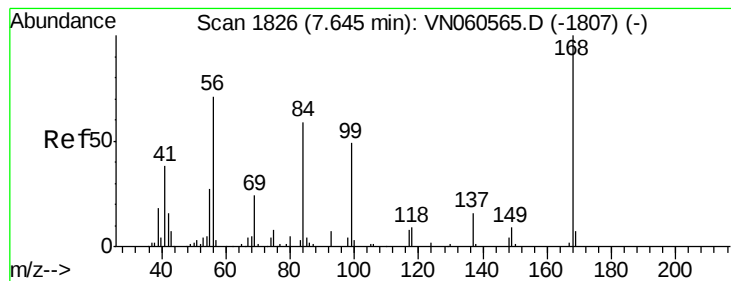
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060787.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_N

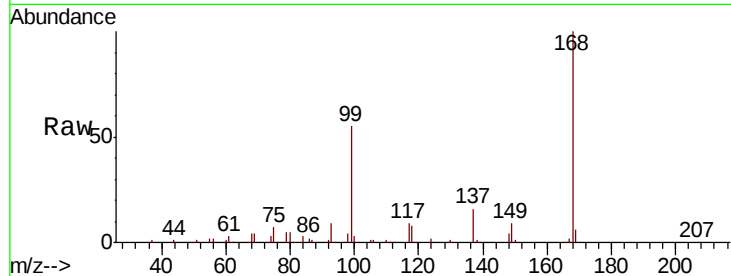
ClientSampled :

Tot Ion:168 Resp: 218044

Ion Ratio Lower Upper

168 100

99 55.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

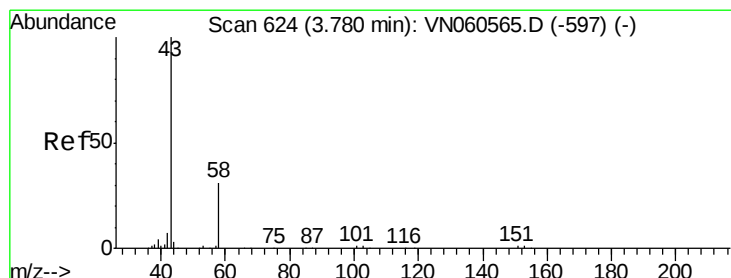
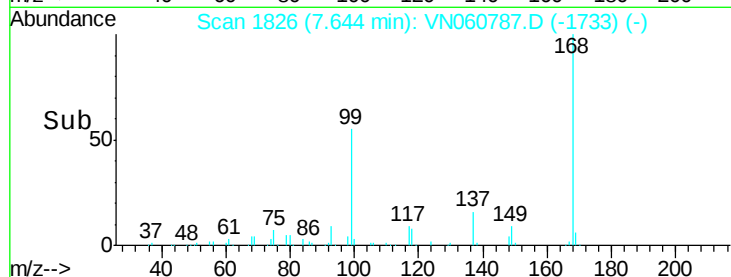
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 1110.359 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060787.D

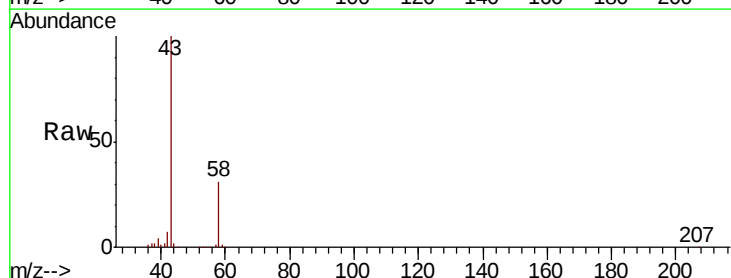
Acq: 31 Mar 2020 15:42

Tgt Ion: 43 Resp: 1177280

Ion Ratio Lower Upper

43 100

58 31.2 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

500000

400000

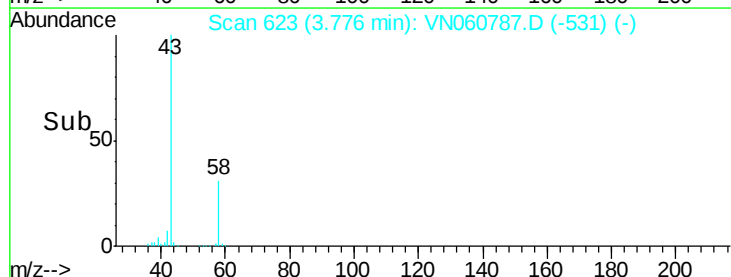
300000

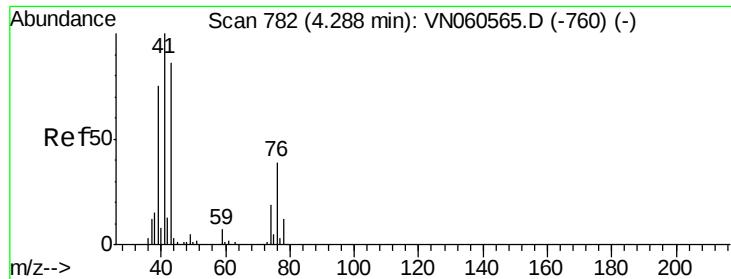
200000

100000

0

Time-->

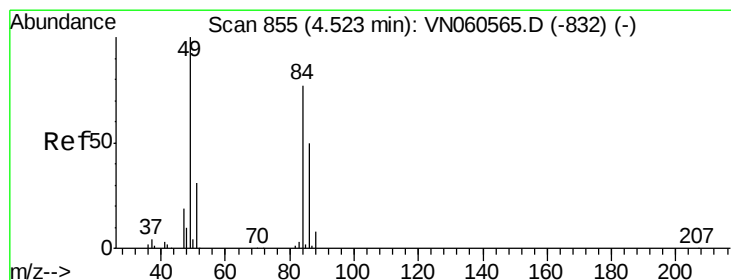
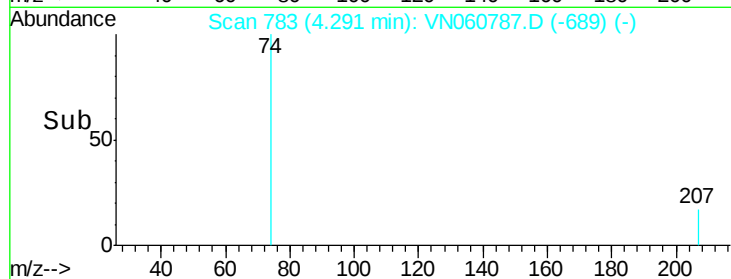
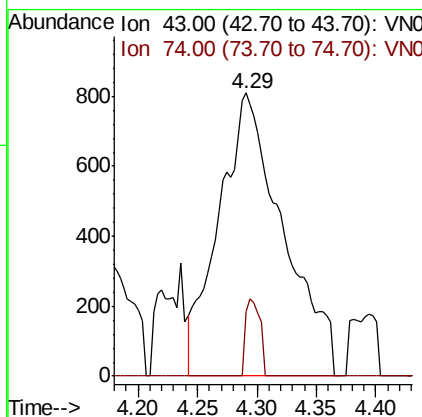
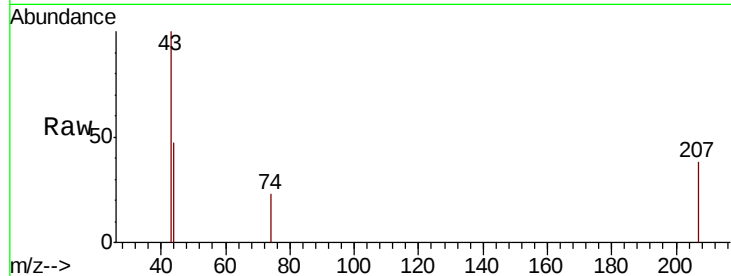




#18
Methyl Acetate
Concen: 1.014 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060787.D
Acq: 31 Mar 2020 15:42

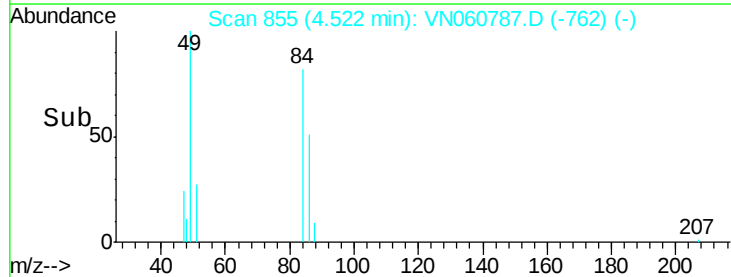
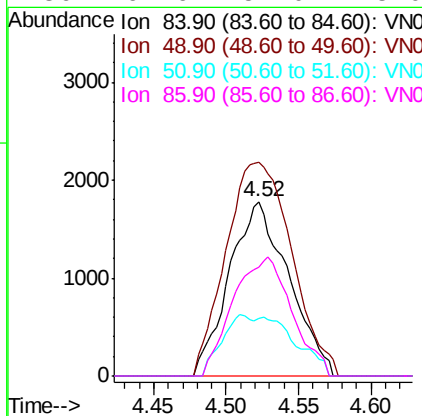
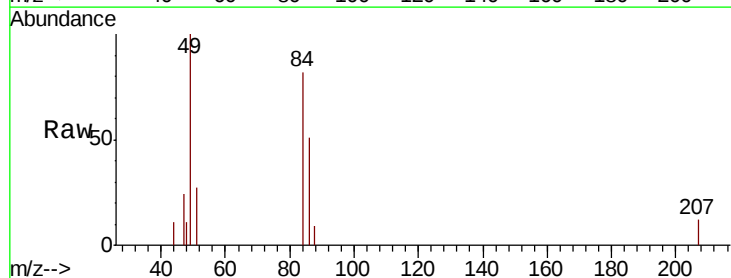
Instrument :
MSVOA_N
ClientSampled :

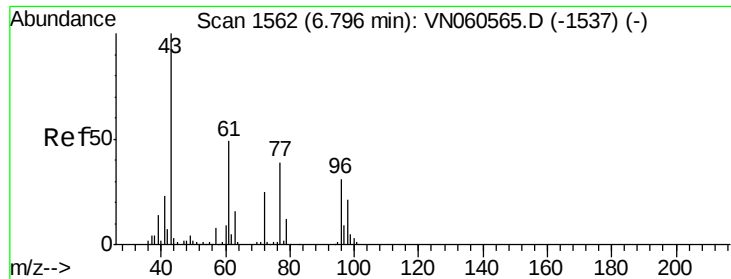
Tot Ion: 43 Resp: 3025
Ion Ratio Lower Upper
43 100
74 6.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.943 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060787.D
Acq: 31 Mar 2020 15:42

Tgt Ion: 84 Resp: 5067
Ion Ratio Lower Upper
84 100
49 122.3 103.3 154.9
51 33.2 31.6 47.4
86 62.6 52.0 78.0

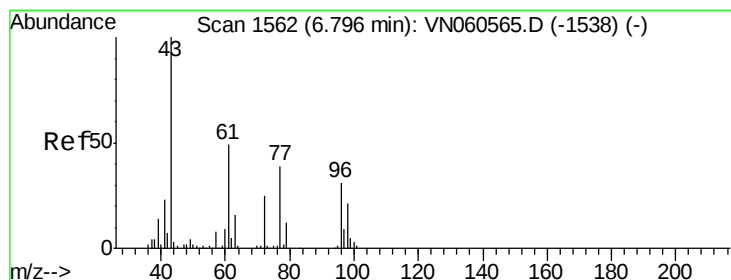
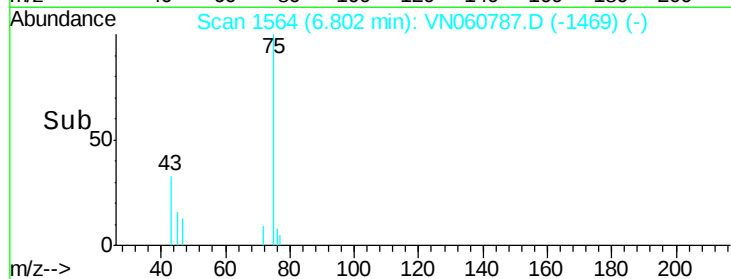
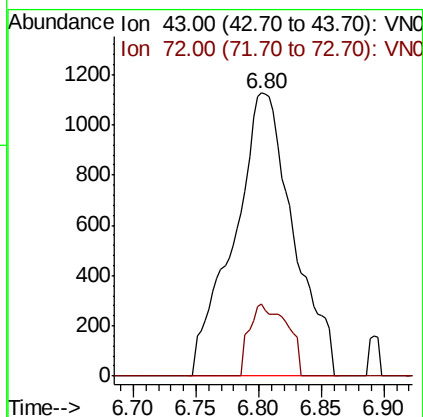
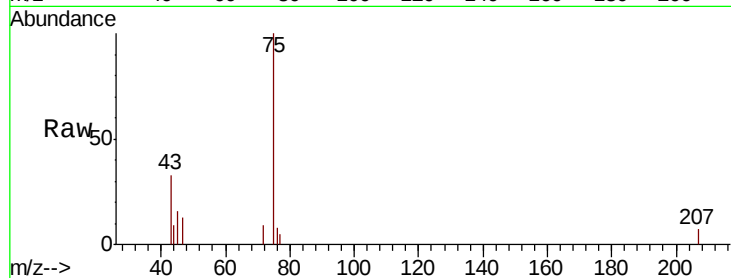




#25
2-Butanone
Concen: 2.168 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN060787.D
Acq: 31 Mar 2020 15:42

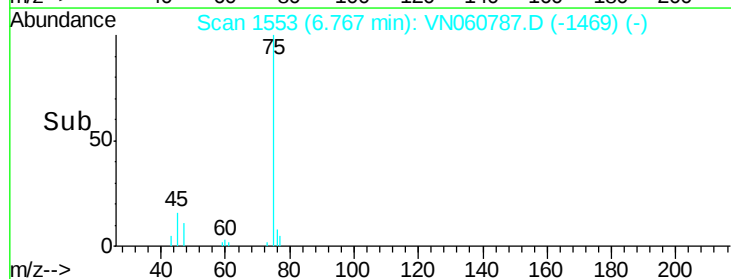
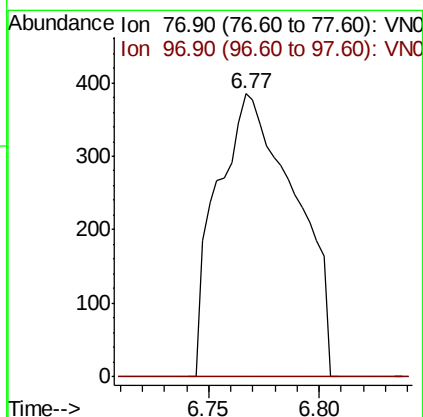
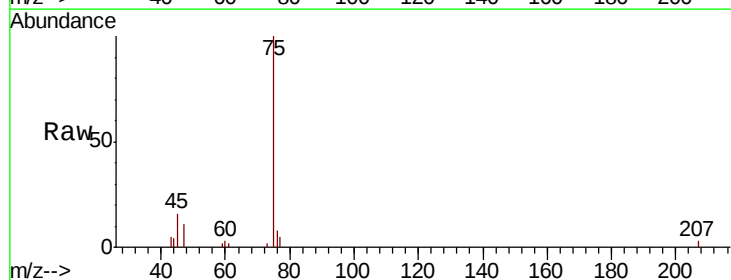
Instrument :
MSVOA_N
ClientSampled :

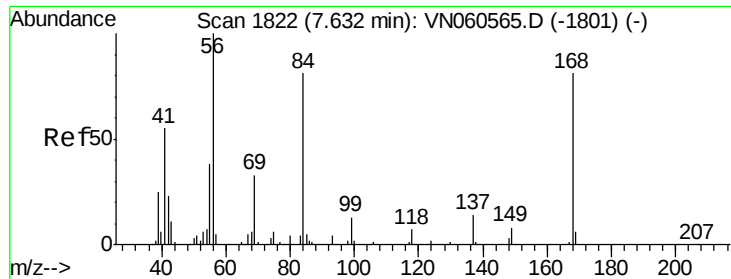
Tot Ion: 43 Resp: 3719
Ion Ratio Lower Upper
43 100
72 25.6 20.4 30.6



#26
2,2-Dichloropropane
Concen: 0.251 ug/l
RT: 6.77 min Scan# 1553
Delta R.T. -0.03 min
Lab File: VN060787.D
Acq: 31 Mar 2020 15:42

Tgt Ion: 77 Resp: 946
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.1#

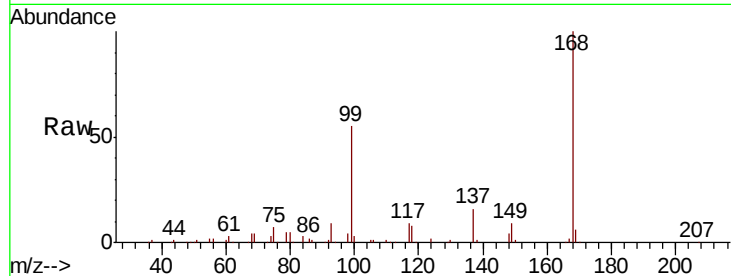




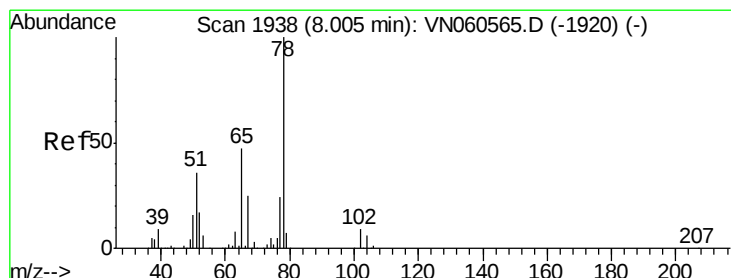
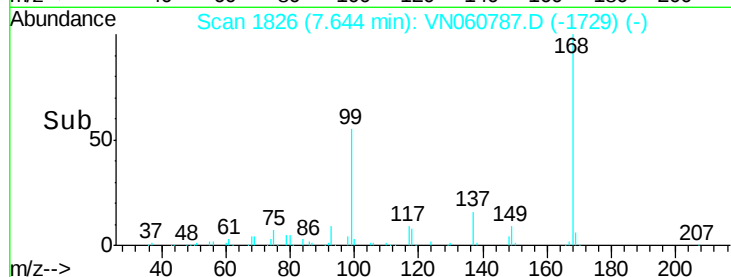
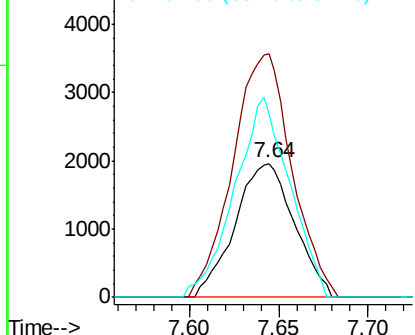
#31
Cyclohexane
Concen: 0.946 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060787.D
Acq: 31 Mar 2020 15:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4560
Ion Ratio Lower Upper
56 100
69 182.1 26.6 40.0#
84 137.4 64.3 96.5#

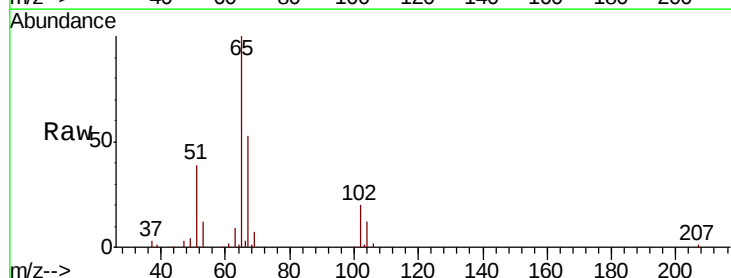


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

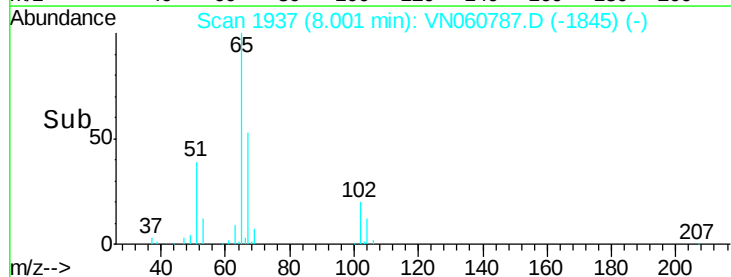
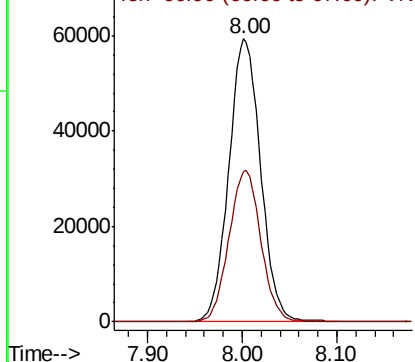


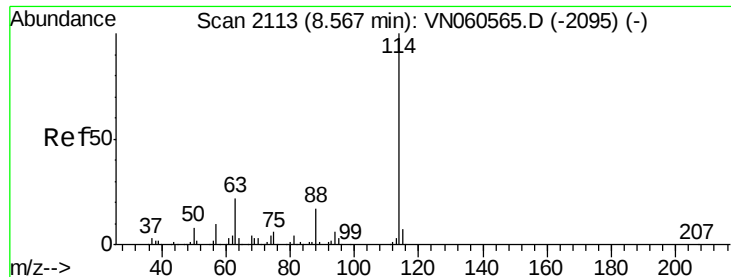
#33
1,2-Dichloroethane-d4
Concen: 46.252 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060787.D
Acq: 31 Mar 2020 15:42

Tgt Ion: 65 Resp: 138443
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

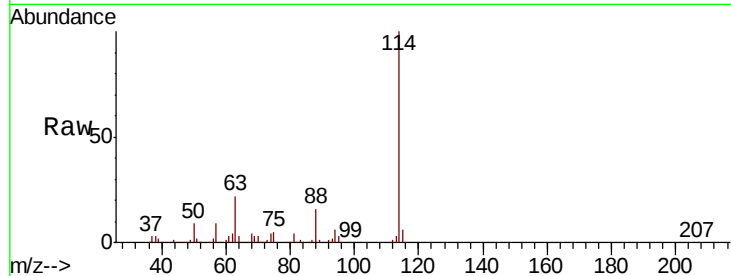




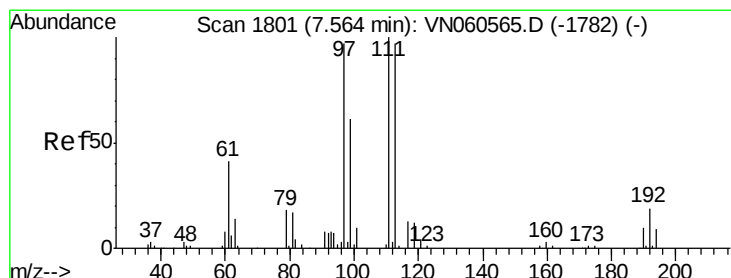
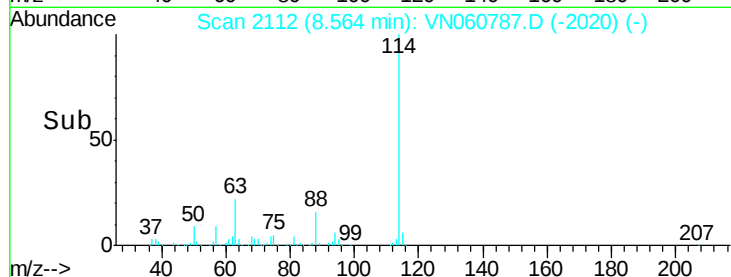
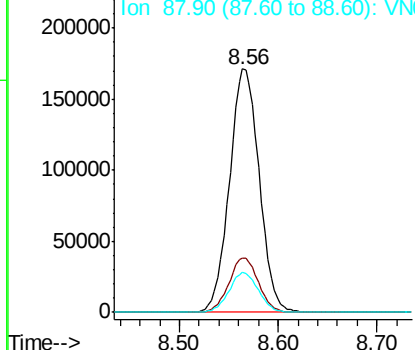
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.56 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VN060787.D
Acq: 31 Mar 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 360492
Ion Ratio Lower Upper
114 100
63 22.4 0.0 43.8
88 16.3 0.0 33.0

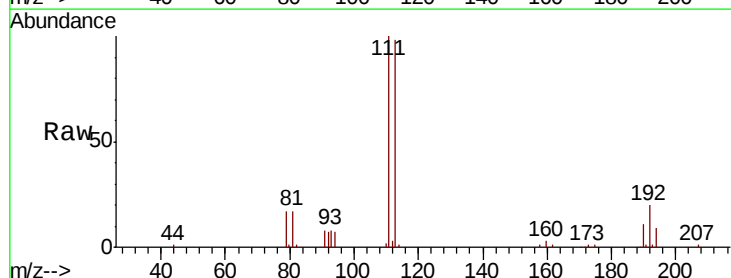


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

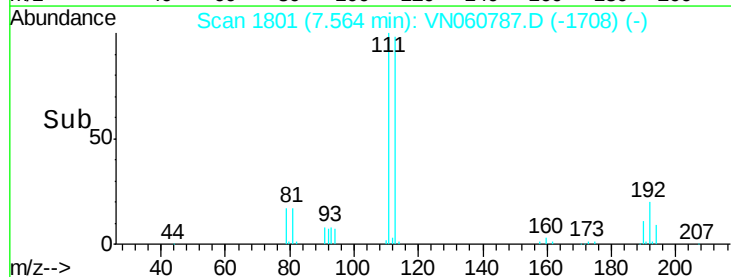
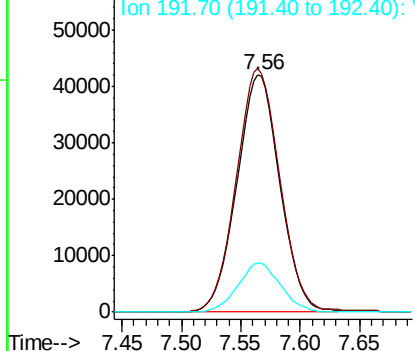


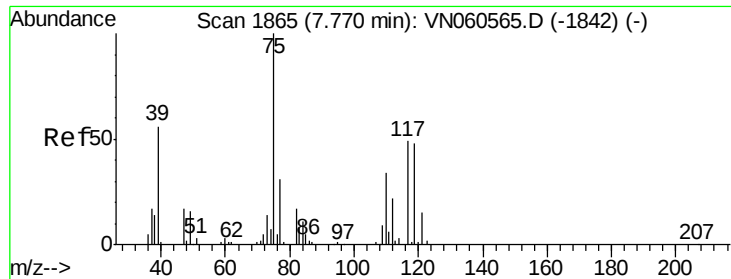
#35
Dibromofluoromethane
Concen: 48.240 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060787.D
Acq: 31 Mar 2020 15:42

Tgt Ion:113 Resp: 105152
Ion Ratio Lower Upper
113 100
111 104.2 82.9 124.3
192 20.4 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

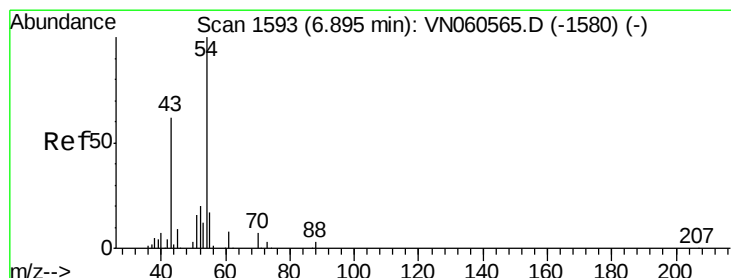
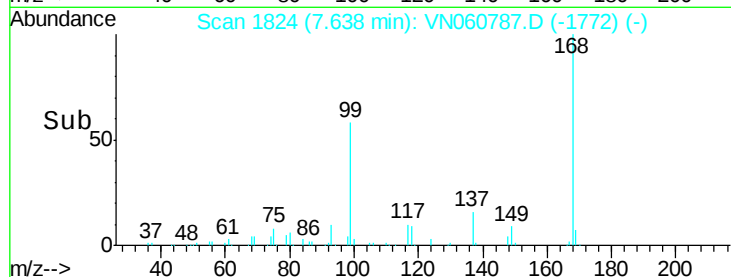
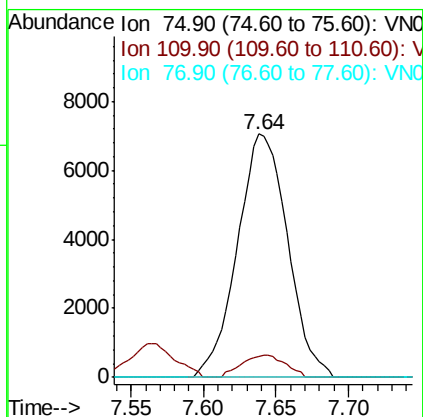
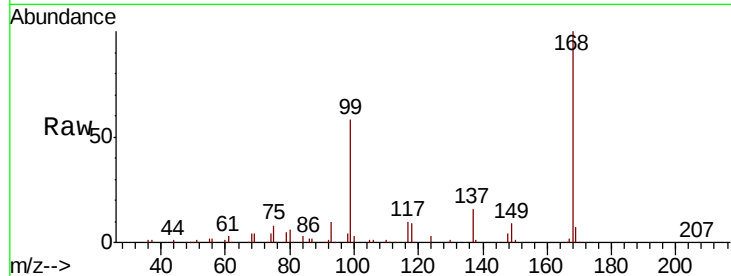




#36
 1,1-Dichloropropene
 Concen: 4.873 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060787.D
 Acq: 31 Mar 2020 15:42

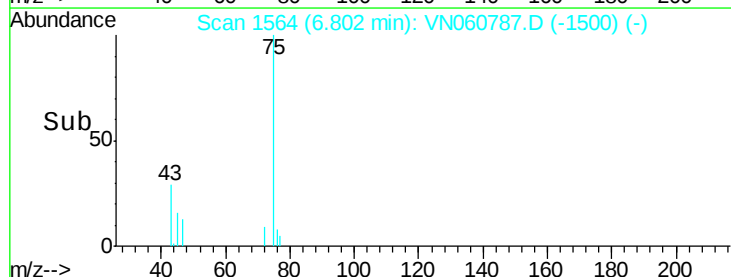
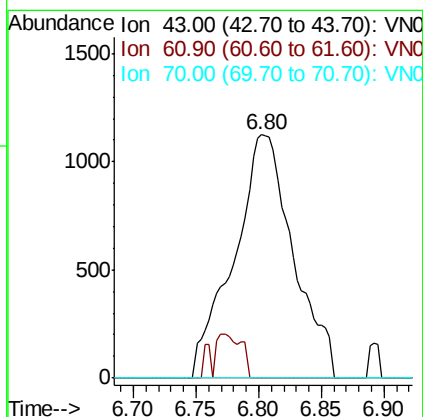
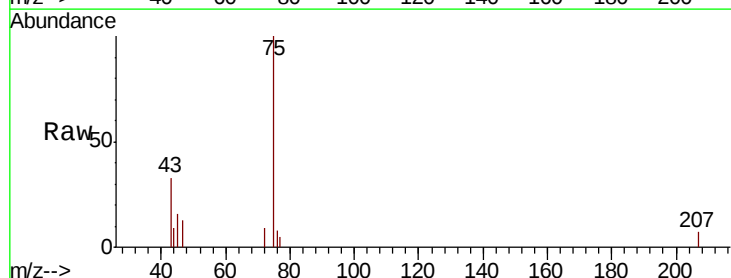
Instrument :
 MSVOA_N
 ClientSampleId :

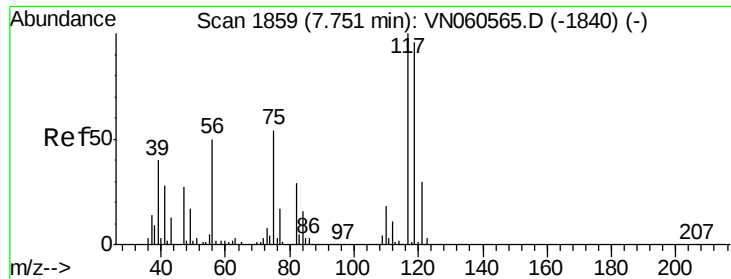
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.9	50.6#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.986 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.09 min
 Lab File: VN060787.D
 Acq: 31 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	15.8#
70	0.0	7.9	11.9#





#38

Carbon Tetrachloride

Concen: 6.578 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060787.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_N

ClientSampled :

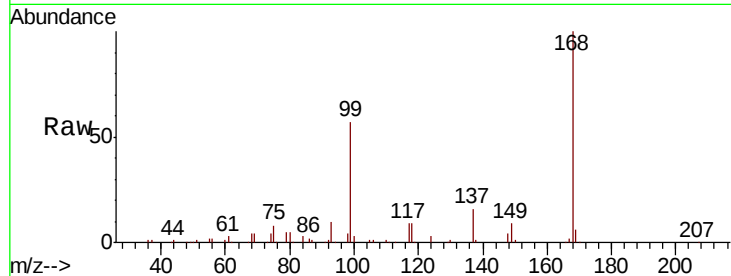
Tot Ion:117 Resp: 20579

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

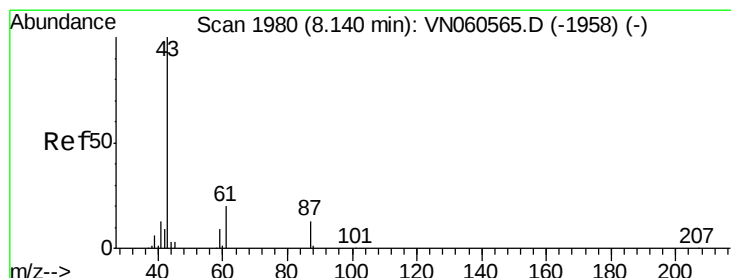
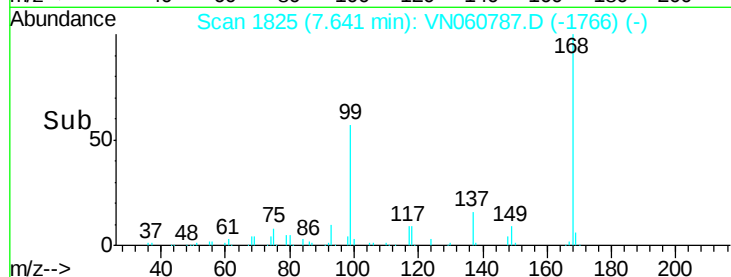
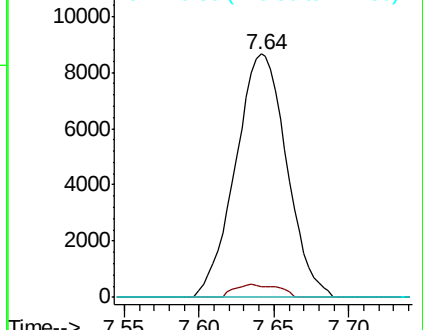
121 0.0 23.7 35.5#



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: 4.880 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060787.D

Acq: 31 Mar 2020 15:42

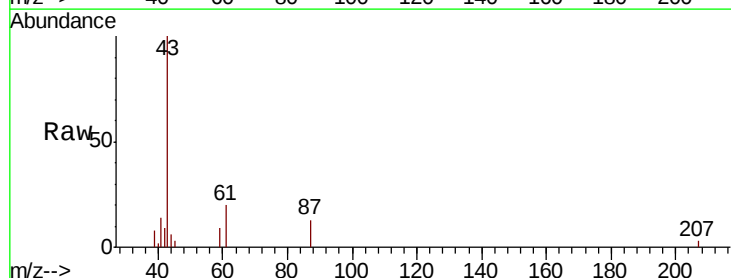
Tgt Ion: 43 Resp: 30354

Ion Ratio Lower Upper

43 100

61 20.1 20.7 31.1#

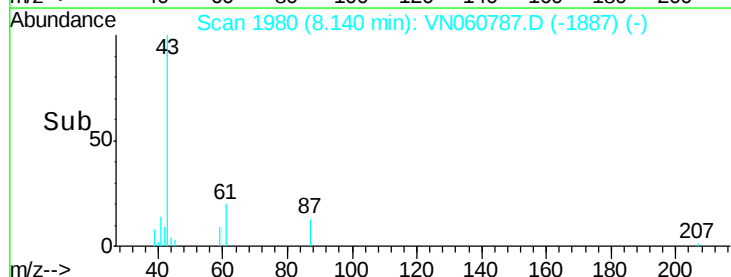
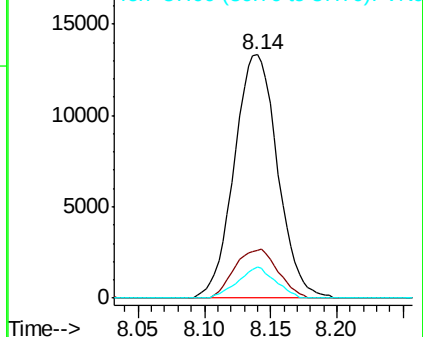
87 10.8 9.8 14.8

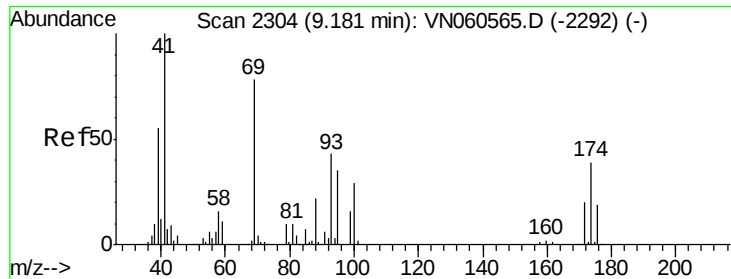


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

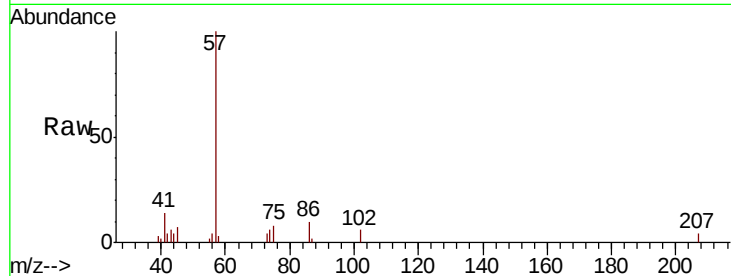




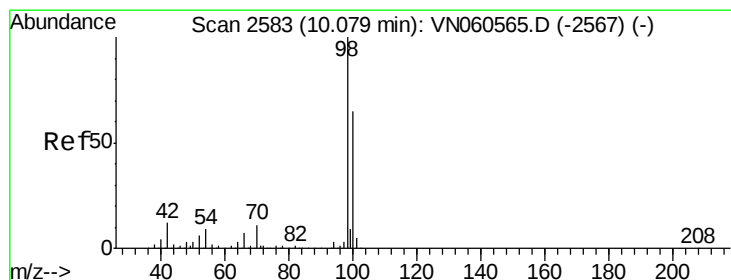
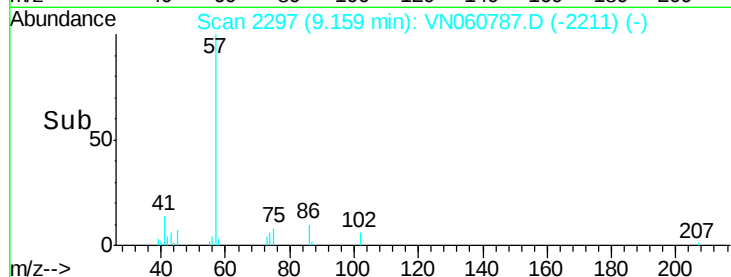
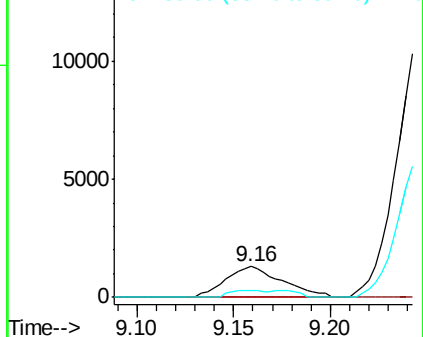
#48
Methvl methacrylate
Concen: 0.960 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060787.D
Acq: 31 Mar 2020 15:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 2659
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

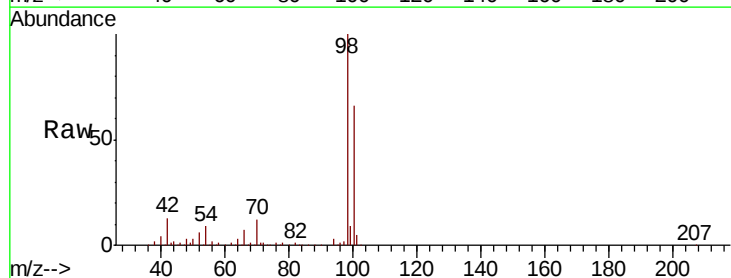


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

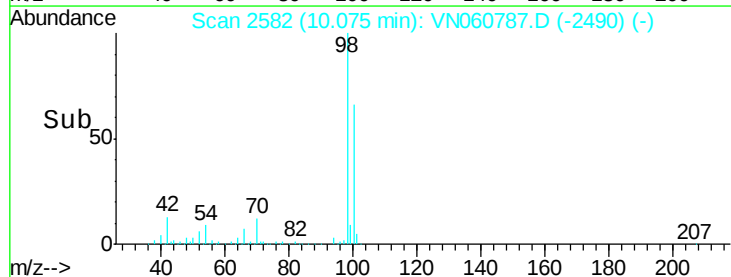
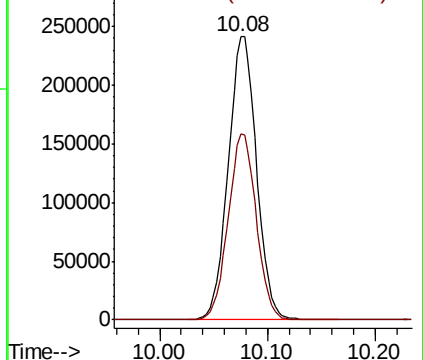


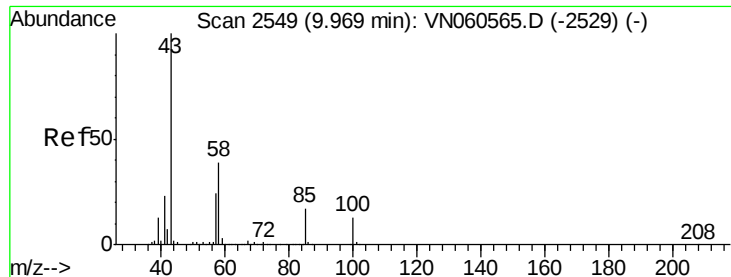
#50
Toluene-d8
Concen: 49.559 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060787.D
Acq: 31 Mar 2020 15:42

Tgt Ion: 98 Resp: 441248
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 11.091 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. -0.08 min

Lab File: VN060787.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_N

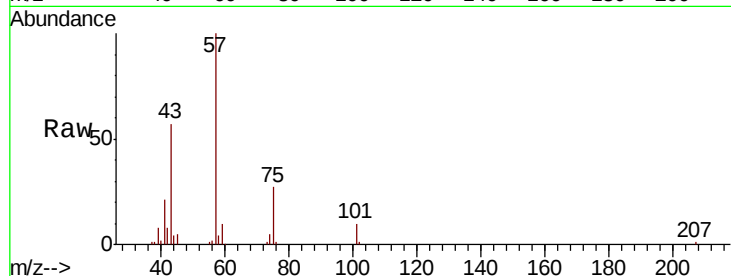
ClientSampleId :

Tot Ion: 43 Resp: 39258

Ion Ratio Lower Upper

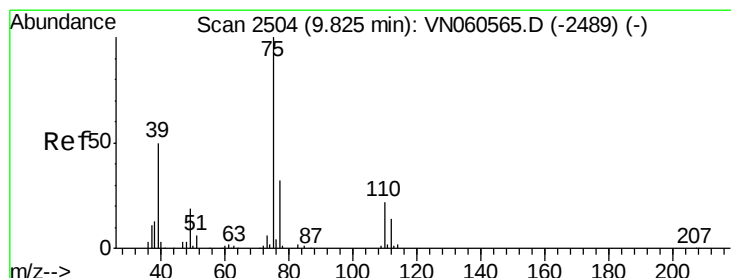
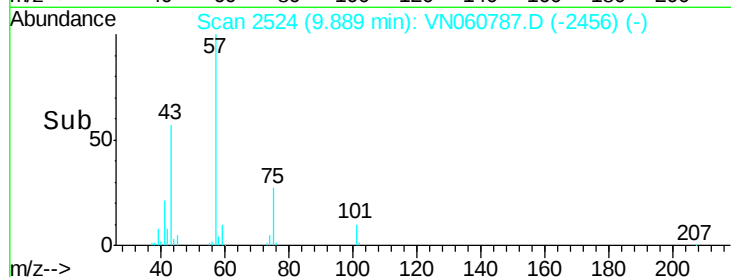
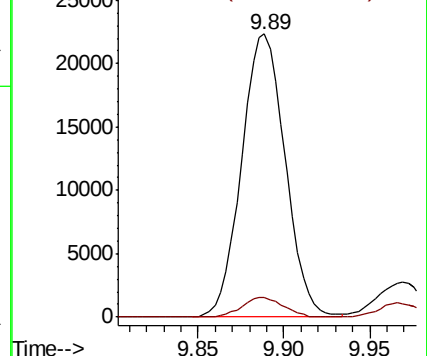
43 100

58 6.6 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: 4.175 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060787.D

Acq: 31 Mar 2020 15:42

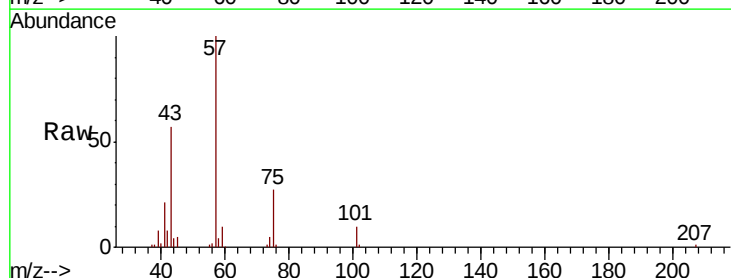
Tgt Ion: 75 Resp: 18376

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

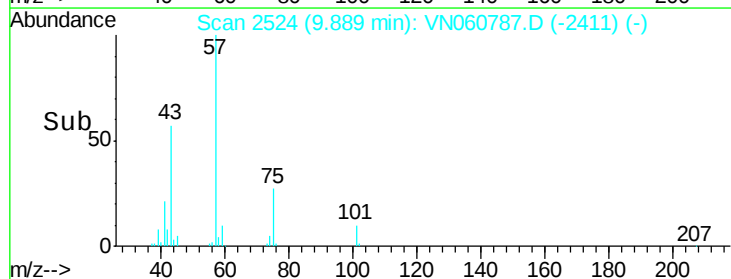
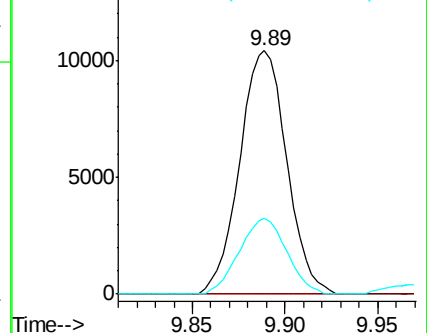
39 31.3 40.2 60.4#

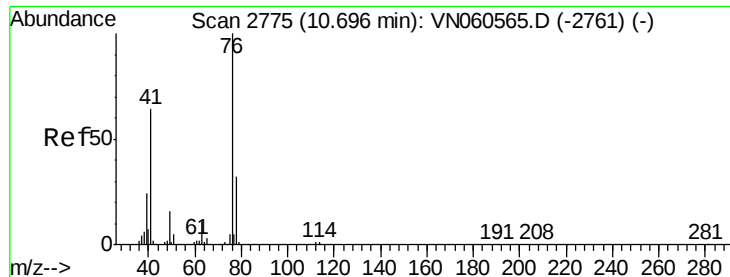


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

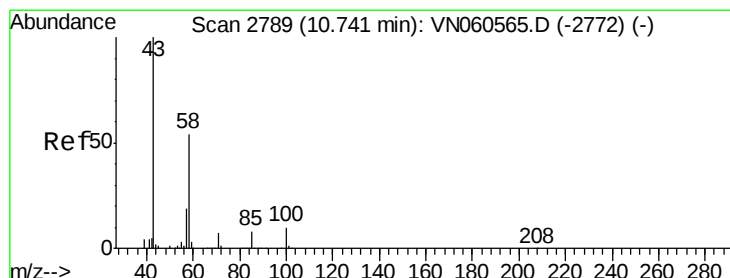
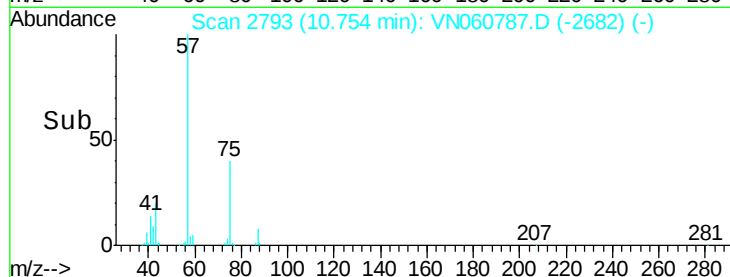
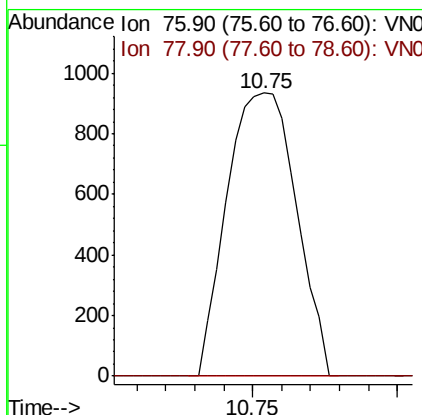
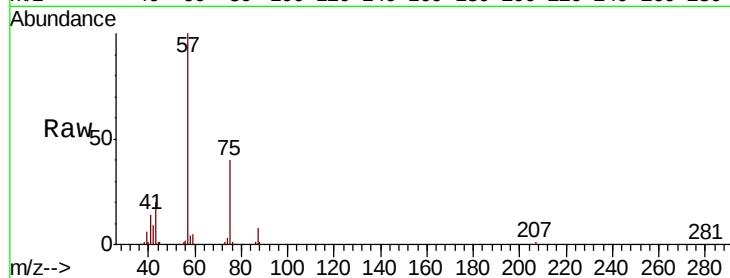




#57
 1,3-Dichloropropane
 Concen: 0.365 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060787.D
 Acq: 31 Mar 2020 15:42

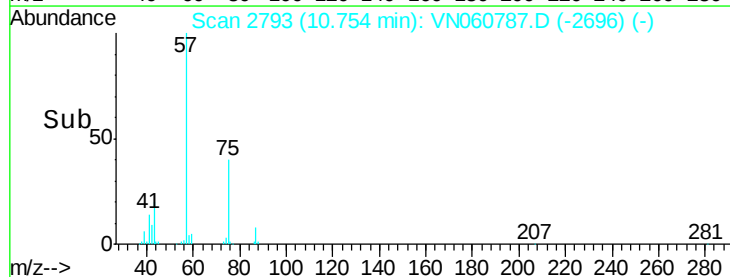
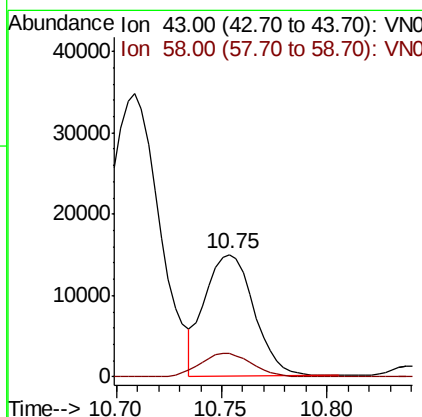
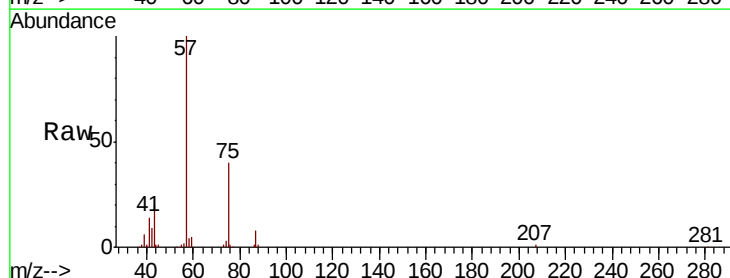
Instrument :
 MSVOA_N
 ClientSampled :

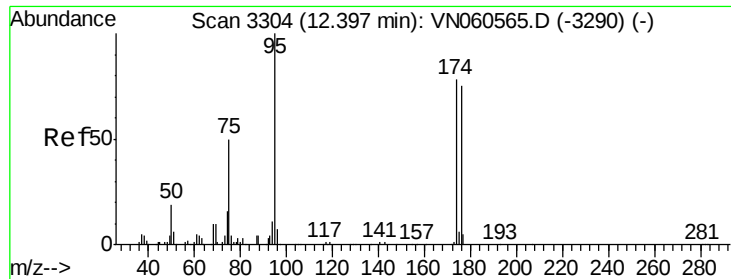
Tot Ion: 76 Resp: 1552
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 9.418 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060787.D
 Acq: 31 Mar 2020 15:42

Tgt Ion: 43 Resp: 24013
 Ion Ratio Lower Upper
 43 100
 58 20.5 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 49.752 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060787.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

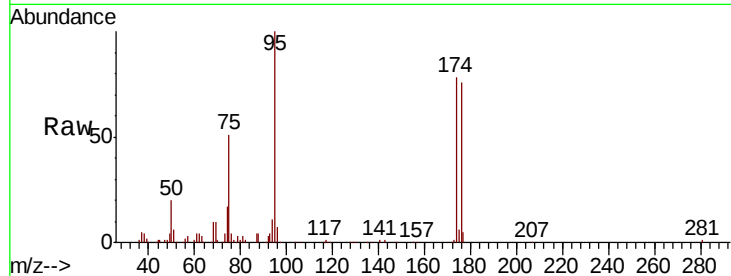
Tot Ion: 95 Resp: 162341

Ion Ratio Lower Upper

95 100

174 77.2 0.0 157.6

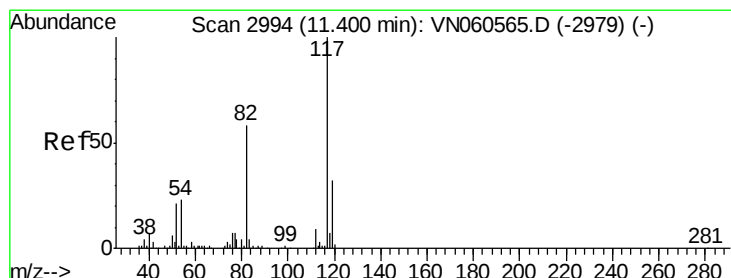
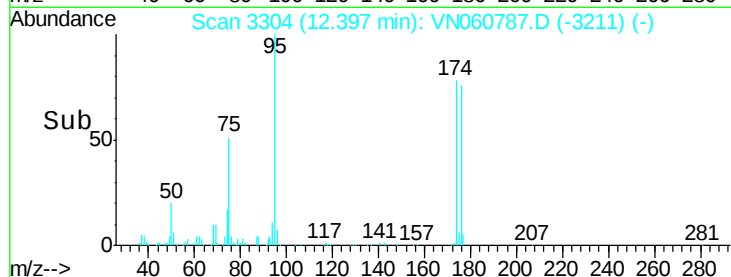
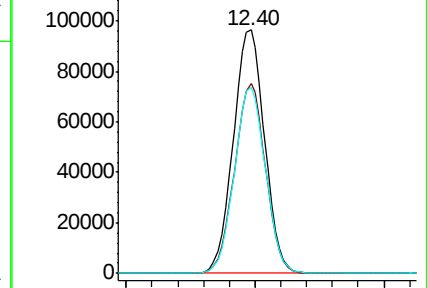
176 76.0 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060787.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060787.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060787.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060787.D

Acq: 31 Mar 2020 15:42

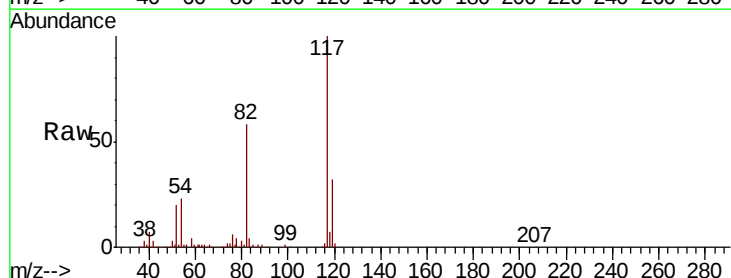
Tgt Ion: 117 Resp: 331492

Ion Ratio Lower Upper

117 100

82 58.2 46.7 70.1

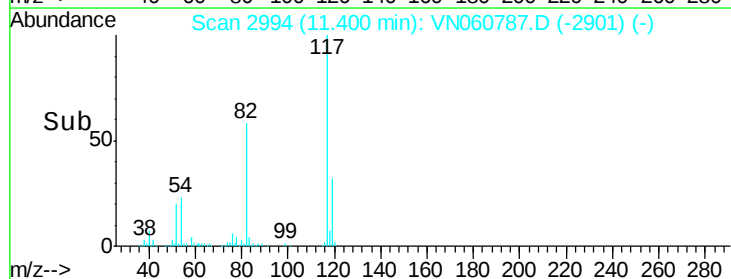
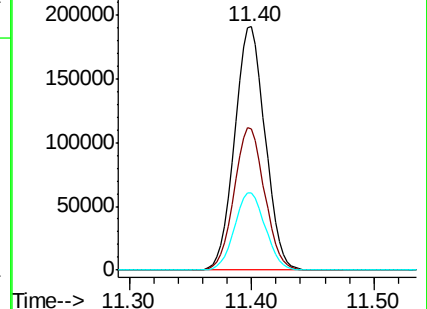
119 31.7 25.5 38.3

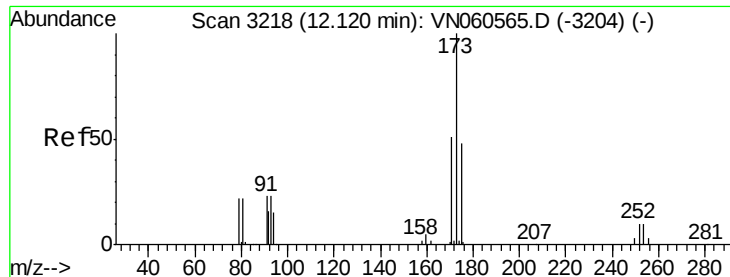


Abundance Ion 116.90 (116.60 to 117.60): VN060787.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060787.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060787.D (-2979) (-)





#71

Bromoform

Concen: 1.921 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060787.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_N

ClientSampled :

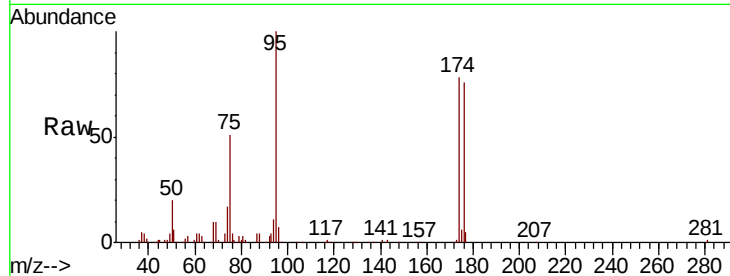
Tot Ion:173 Resp: 492

Ion Ratio Lower Upper

173 100

175 1685.4 24.1 72.4#

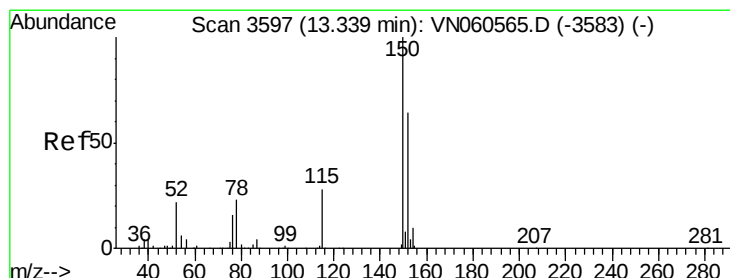
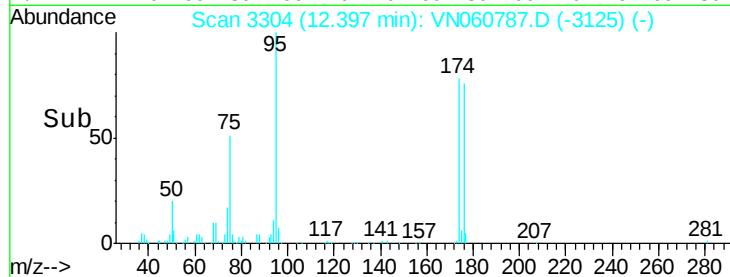
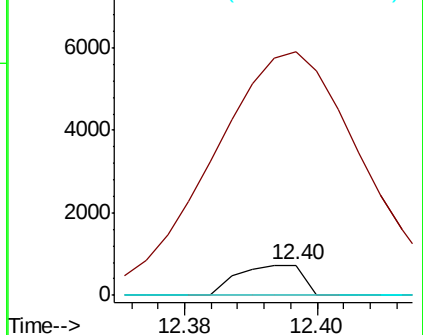
254 0.0 0.0 0.0



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: VN060787.D

Acq: 31 Mar 2020 15:42

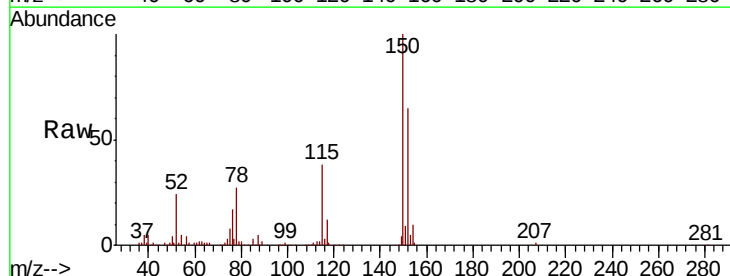
Tgt Ion:152 Resp: 150491

Ion Ratio Lower Upper

152 100

115 59.2 30.2 90.6

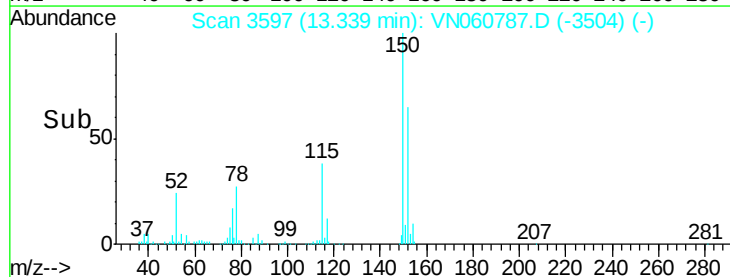
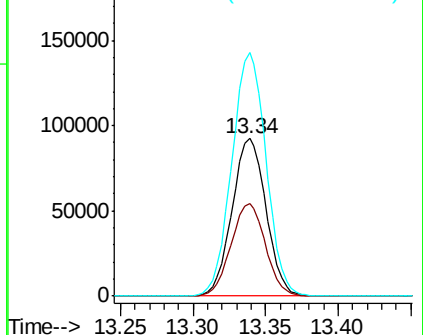
150 156.0 0.0 350.2

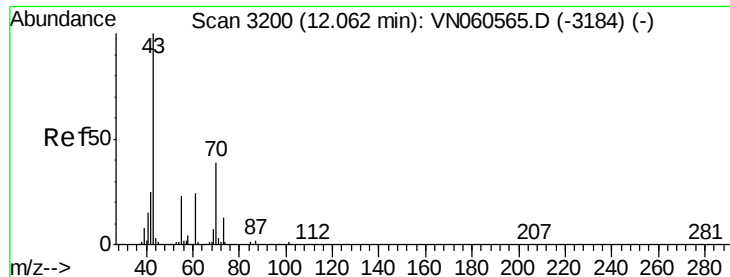


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.642 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060787.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3350

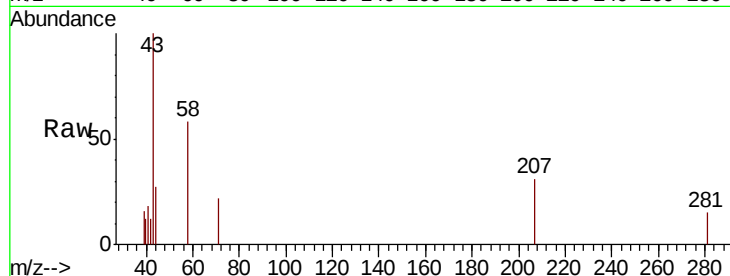
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

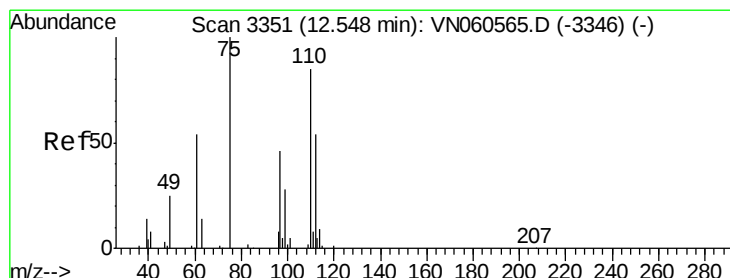
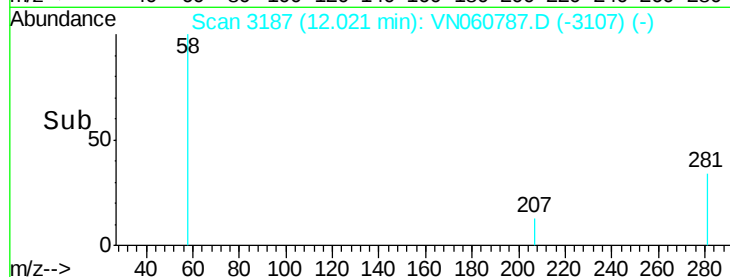
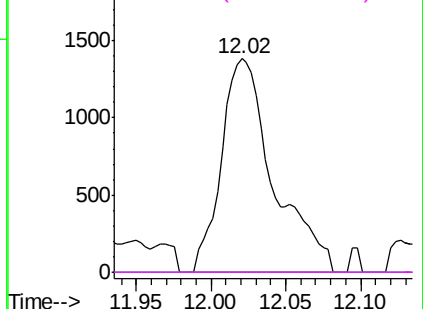


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.325 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060787.D

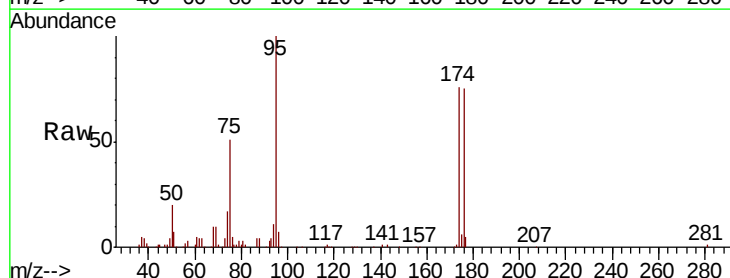
Acq: 31 Mar 2020 15:42

Tgt Ion: 75 Resp: 82237

Ion Ratio Lower Upper

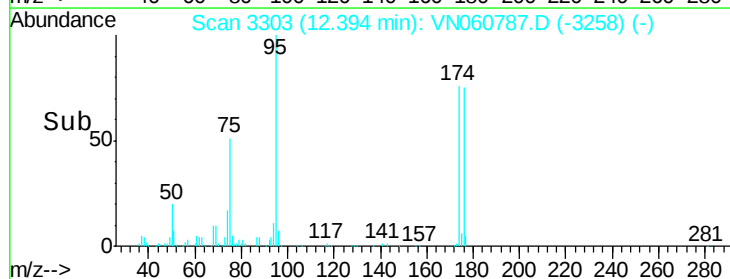
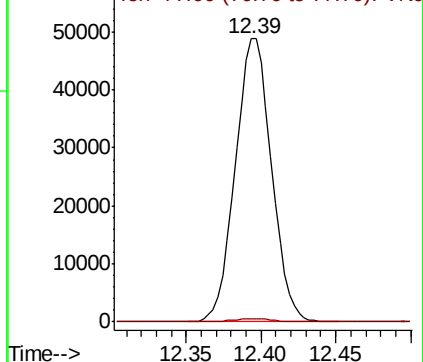
75 100

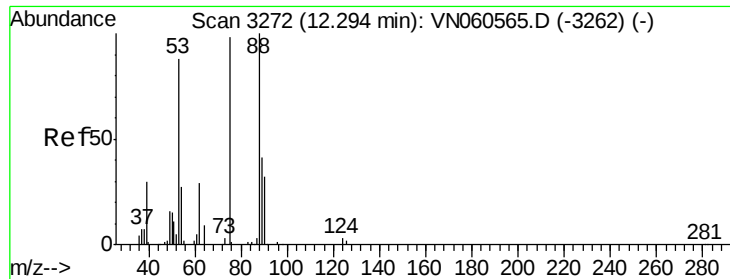
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

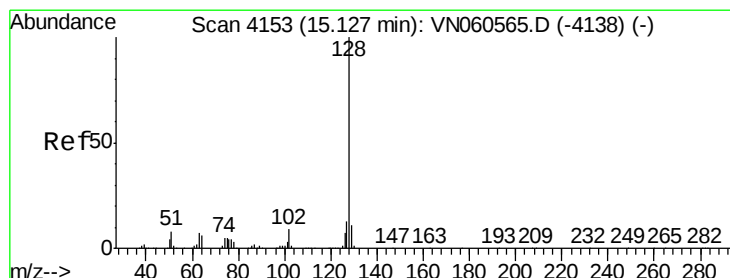
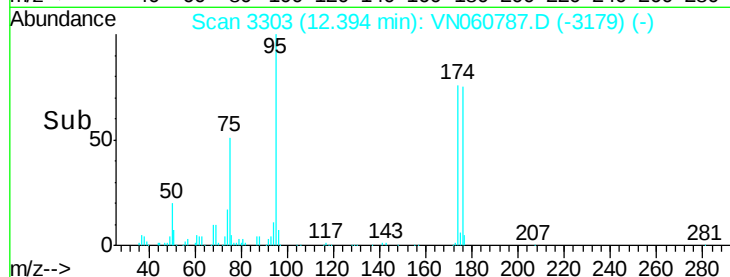
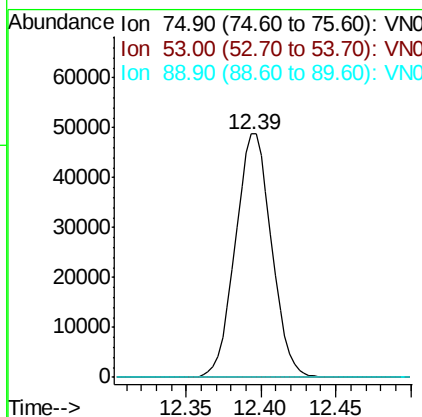
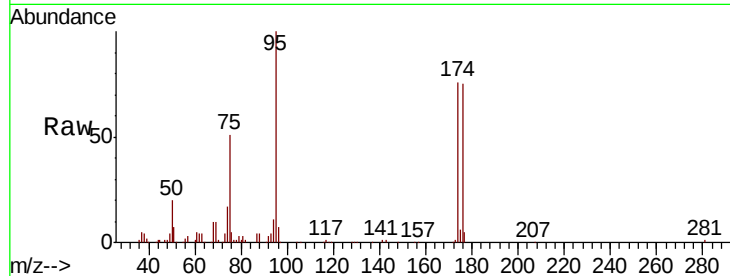




#81
trans-1,4-Dichloro-2-butene
Concen: 65.042 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.10 min
Lab File: VN060787.D
Acq: 31 Mar 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 82237
Ion Ratio Lower Upper
75 100
53 0.0 73.0 109.4#
89 0.0 34.8 52.2#



#95
Naphthalene
Concen: 1.146 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060787.D
Acq: 31 Mar 2020 15:42

Tgt Ion:128 Resp: 9714
Ion Ratio Lower Upper
128 100
127 11.4 10.2 15.2
129 9.9 8.8 13.2

