

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
 Data File : VN062840.D
 Acq On : 11 Aug 2020 19:33
 Operator : JC/MD
 Sample : PB130874ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#02

Quant Time: Aug 11 21:23:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	124885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	228662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	236199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86995	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	107922	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	7.55	113	75418	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
50) Toluene-d8	10.06	98	300210	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.38	95	109406	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	

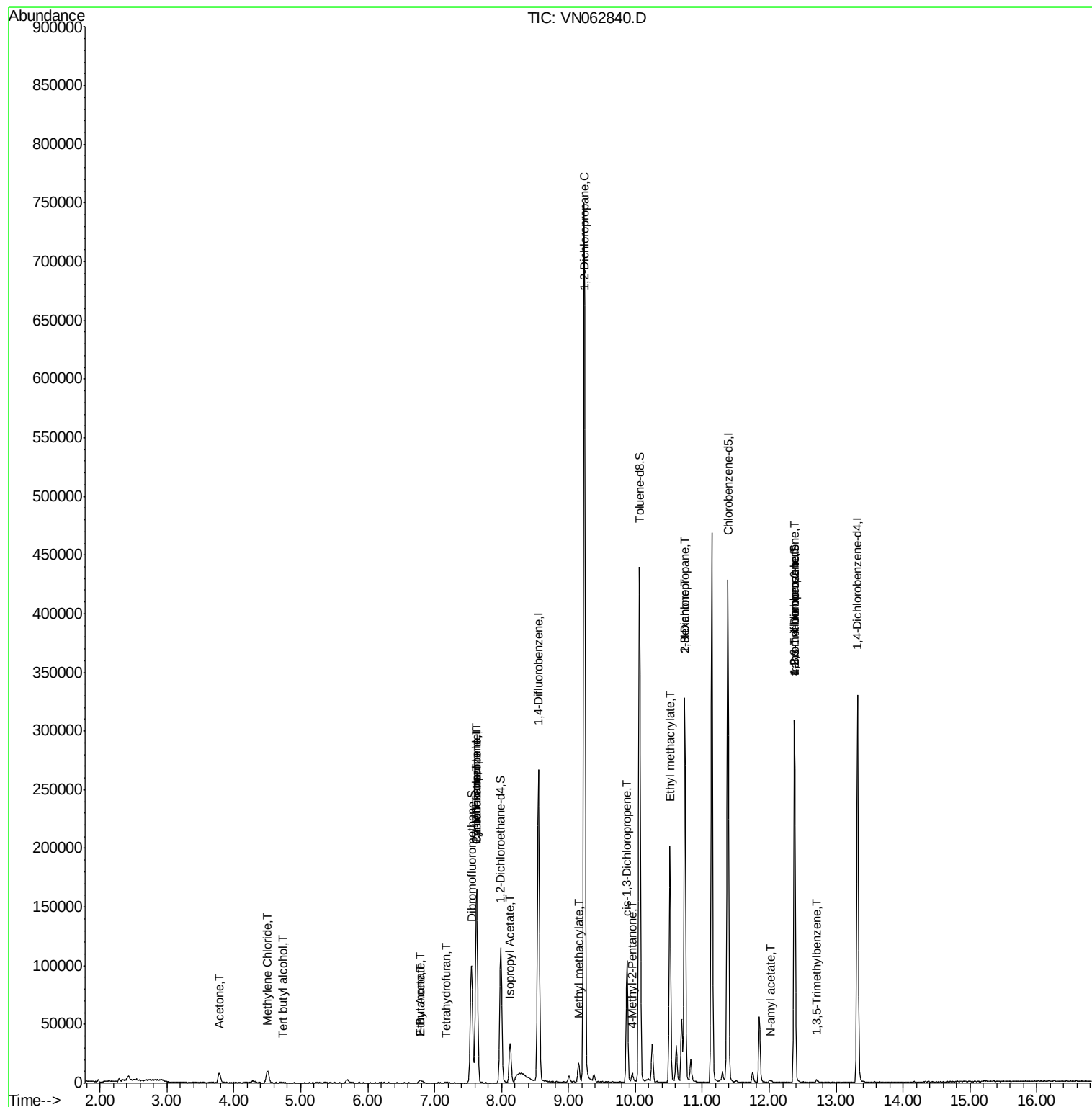
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	99	0.292	ug/l #	72
16) Acetone	3.78	43	14986	20.082	ug/l	97
20) Methylene Chloride	4.50	84	8052	5.215	ug/l	98
25) 2-Butanone	6.80	43	2443	2.311	ug/l	98
29) Tetrahydrofuran	7.17	42	326	0.475	ug/l #	33
31) Cyclohexane	7.63	56	2766	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	10469	4.702	ug/l #	53
37) Ethyl Acetate	6.80	43	2443	1.050	ug/l #	67
38) Carbon Tetrachloride	7.62	117	13329	5.062	ug/l #	15
43) Isopropyl Acetate	8.12	43	40126	10.343	ug/l	98
45) 1,2-Dichloropropane	9.23	63	965	0.537	ug/l #	45
48) Methyl methacrylate	9.14	41	2301	1.206	ug/l #	13
51) 4-Methyl-2-Pentanone	9.95	43	4778	1.904	ug/l	98
54) cis-1,3-Dichloropropene	9.88	75	18276	6.254	ug/l #	63
56) Ethyl methacrylate	10.52	69	1239	0.470	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3427	1.151	ug/l #	43
59) 2-Hexanone	10.74	43	47414	25.324	ug/l #	52
74) N-amyl acetate	12.02	43	2717	1.023	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	59226	25.244	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1833	0.323	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	59226	77.062	ug/l #	10

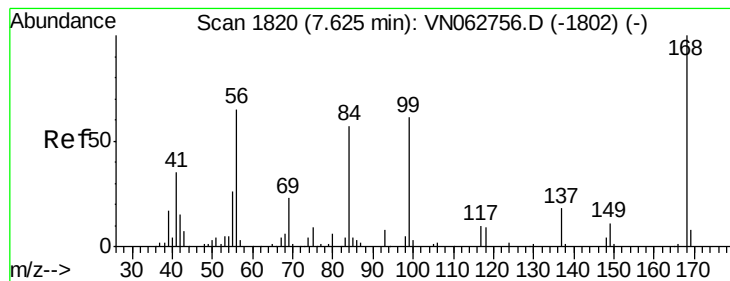
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

Instrument :

MSVOA_N

ClientSampleId :

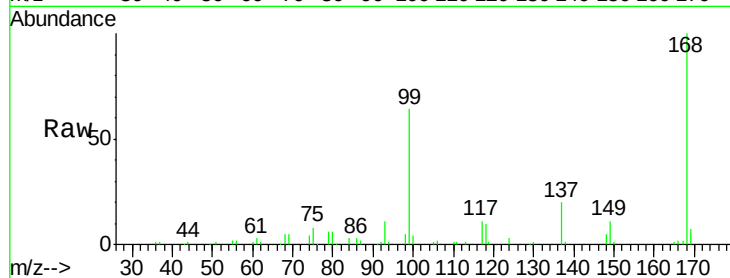
PB130874ZHE#02

Tgt Ion:168 Resp: 124885

Ion Ratio Lower Upper

168 100

99 64.0 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062840.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062840.D (-1727) (-)

7.63

60000

50000

40000

30000

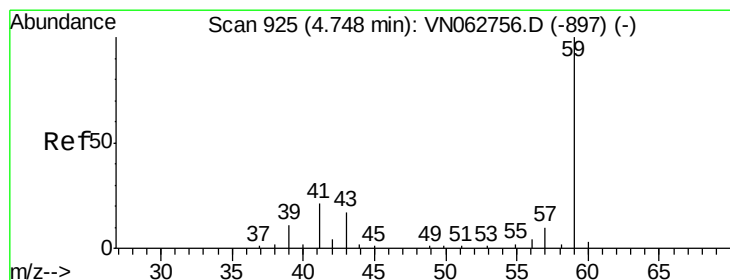
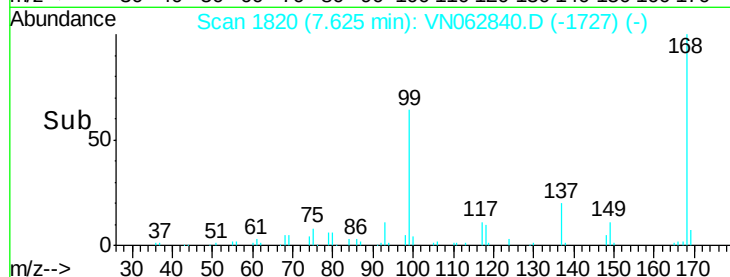
20000

10000

0

Time-->

7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 0.292 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.01 min

Lab File: VN062840.D

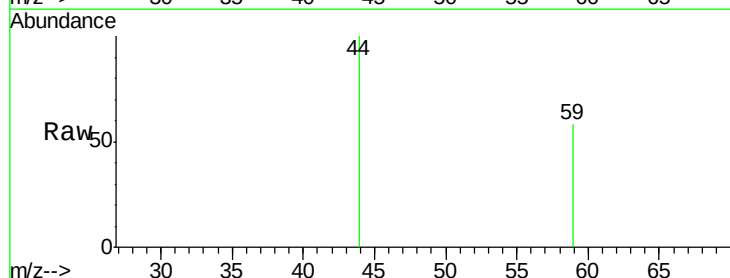
Acq: 11 Aug 2020 19:33

Tgt Ion: 59 Resp: 99

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN062840.D (-832) (-)

Ion 57.00 (56.70 to 57.70): VN062840.D (-832) (-)

4.74

200

150

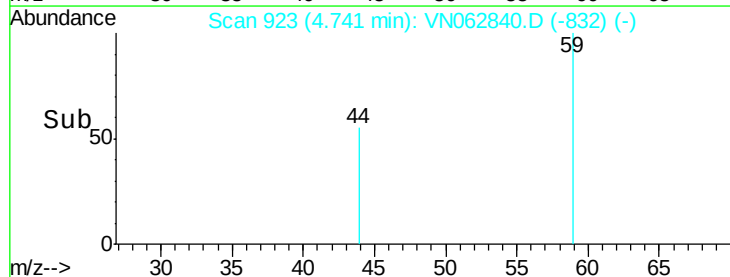
100

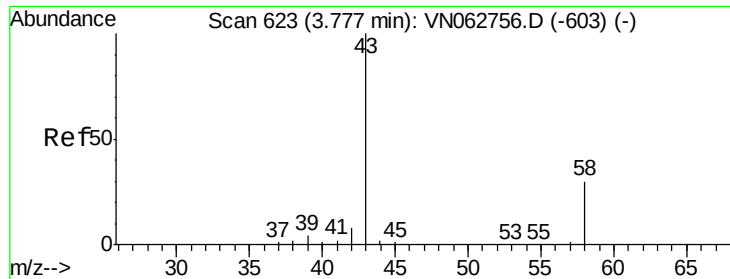
50

0

Time-->

4.73 4.74 4.75





#16

Acetone

Concen: 20.082 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

Instrument :

MSVOA_N

ClientSampleId :

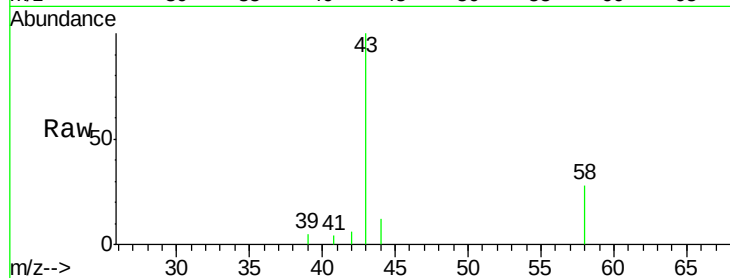
PB130874ZHE#02

Tgt Ion: 43 Resp: 14986

Ion Ratio Lower Upper

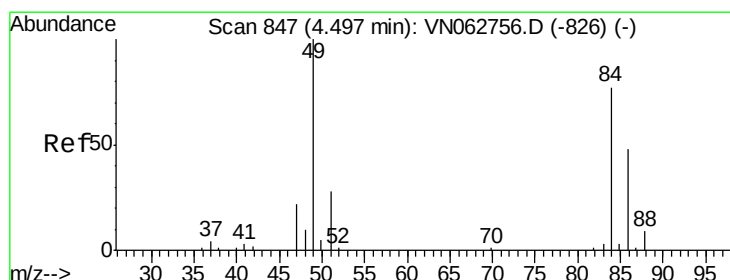
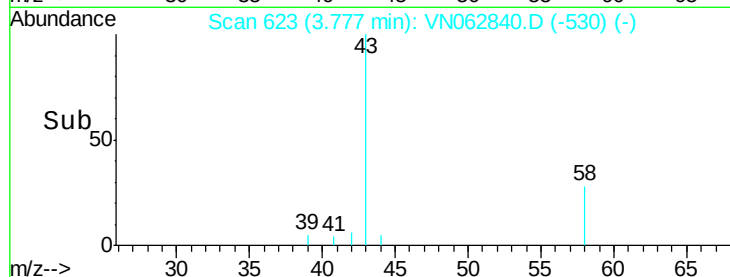
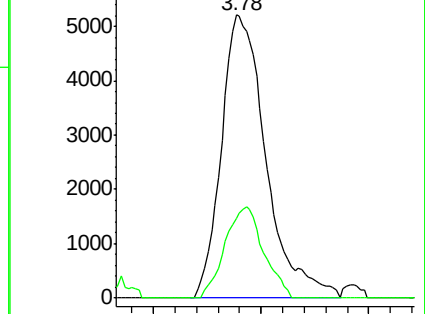
43 100

58 28.3 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062840.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN062840.D (-530) (-)



#20

Methylene Chloride

Concen: 5.215 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.01 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

Tgt Ion: 84 Resp: 8052

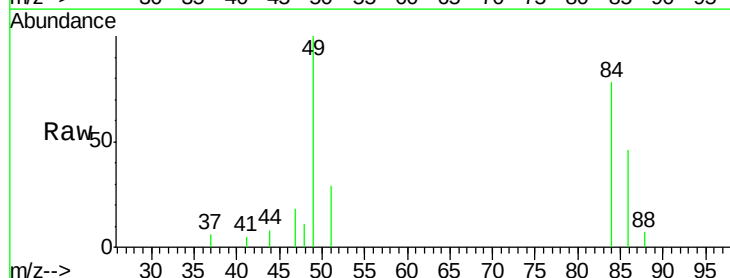
Ion Ratio Lower Upper

84 100

49 128.5 103.4 155.2

51 37.3 29.3 43.9

86 58.6 49.9 74.9

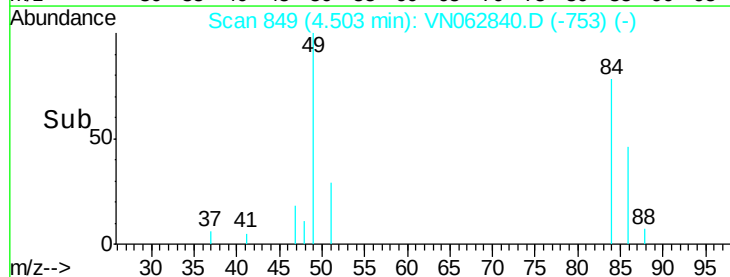
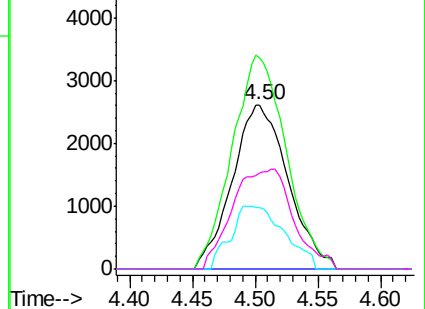


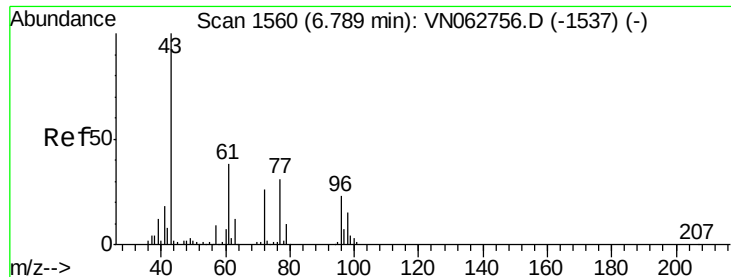
Abundance Ion 83.90 (83.60 to 84.60): VN062840.D (-753) (-)

Ion 48.90 (48.60 to 49.60): VN062840.D (-753) (-)

Ion 50.90 (50.60 to 51.60): VN062840.D (-753) (-)

Ion 85.90 (85.60 to 86.60): VN062840.D (-753) (-)

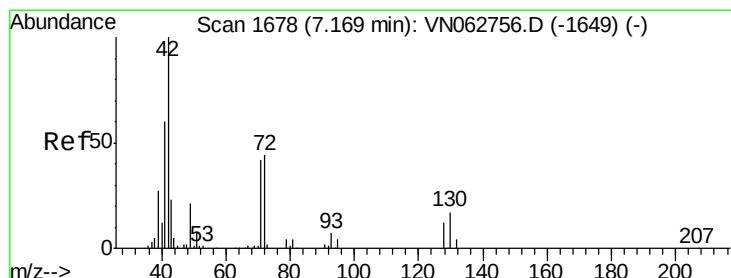
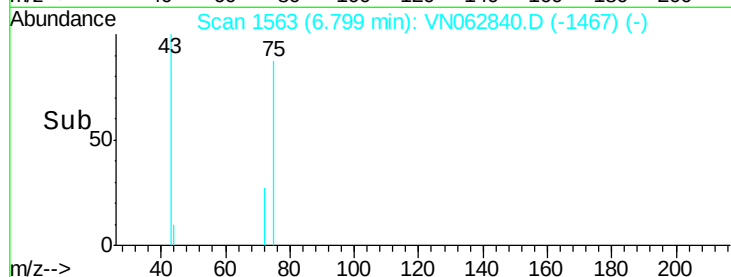
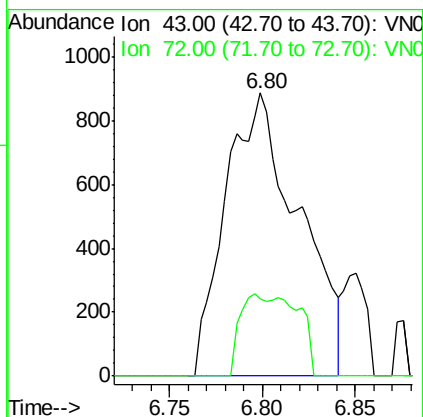
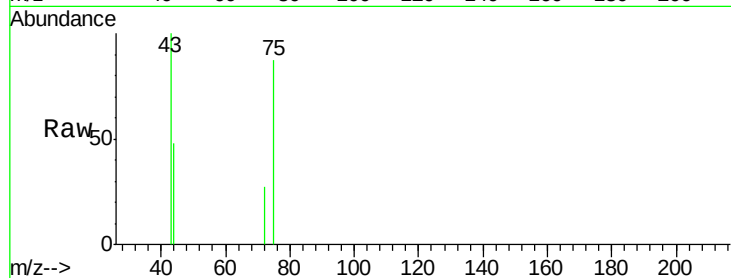




#25
2-Butanone
Concen: 2.311 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062840.D
Acq: 11 Aug 2020 19:33

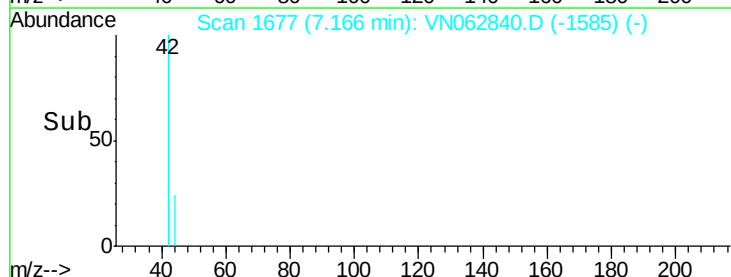
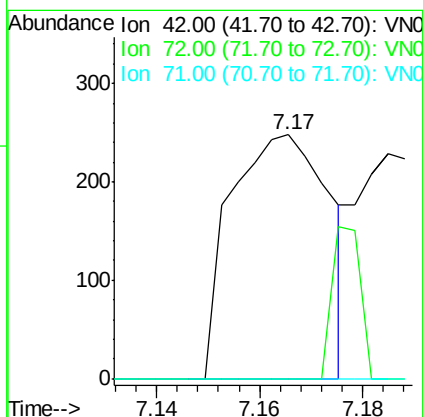
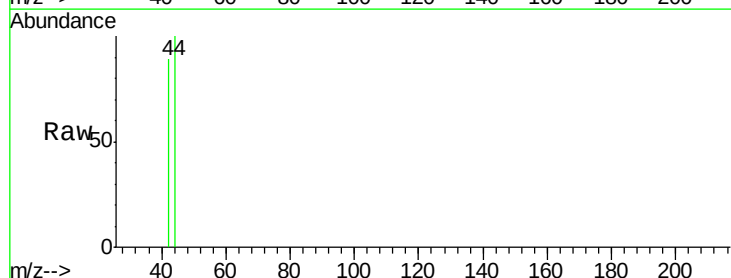
Instrument :
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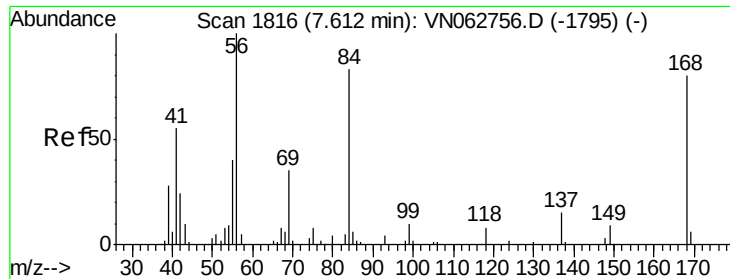
Tgt Ion: 43 Resp: 2443
Ion Ratio Lower Upper
43 100
72 27.2 21.1 31.7



#29
Tetrahydrofuran
Concen: 0.475 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062840.D
Acq: 11 Aug 2020 19:33

Tgt Ion: 42 Resp: 326
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 33.2 49.8#

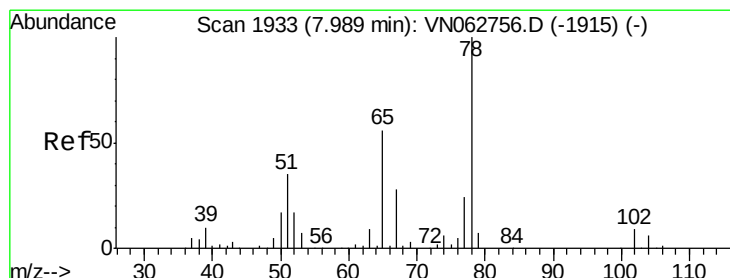
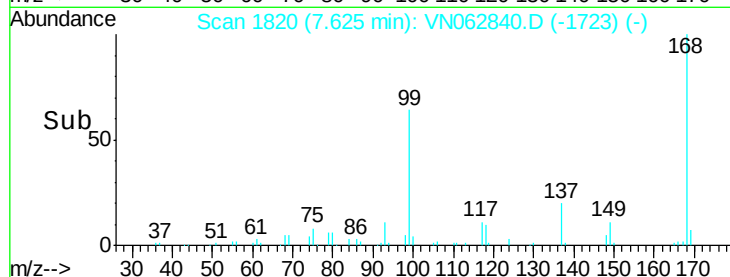
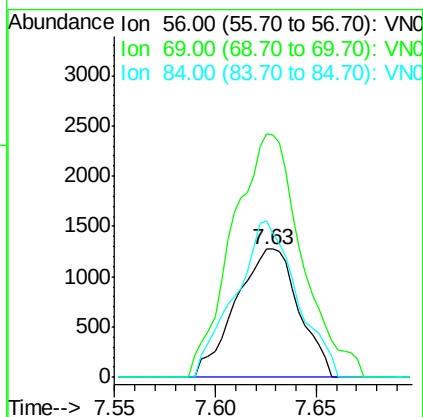
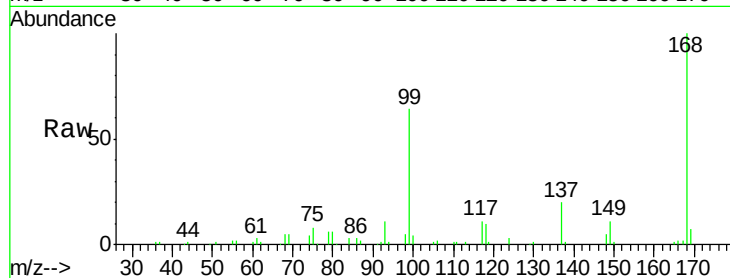




#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062840.D
Acq: 11 Aug 2020 19:33

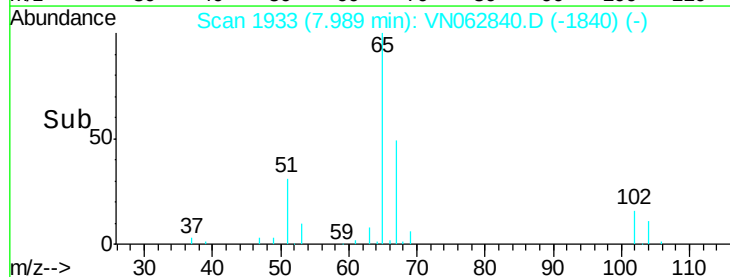
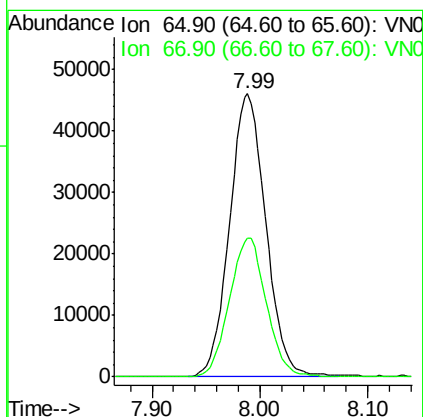
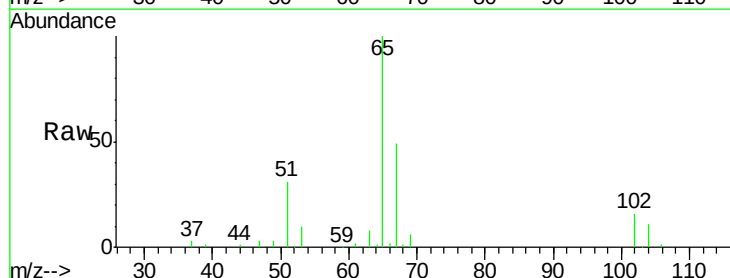
Instrument :
MSVOA_N
ClientSampleId :
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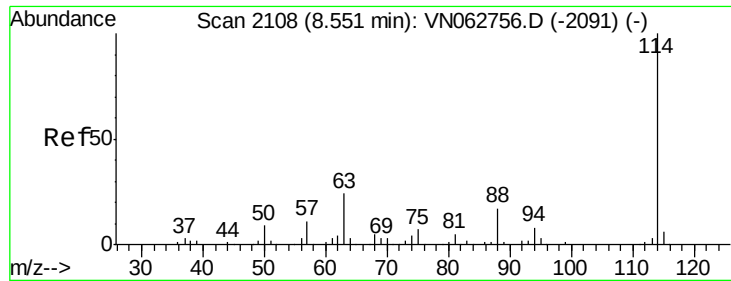
Tgt Ion: 56 Resp: 2766
Ion Ratio Lower Upper
56 100
69 190.4 28.1 42.1#
84 122.7 66.8 100.2#



#33
1,2-Dichloroethane-d4
Concen: 52.257 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062840.D
Acq: 11 Aug 2020 19:33

Tgt Ion: 65 Resp: 107922
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.4

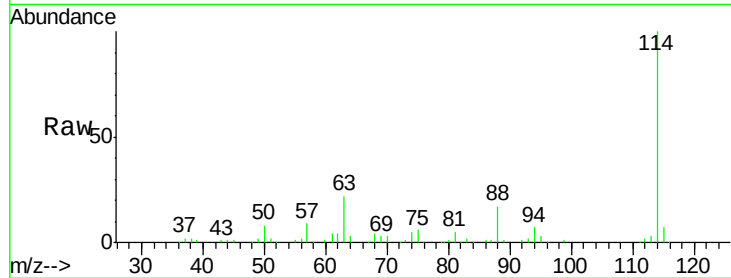




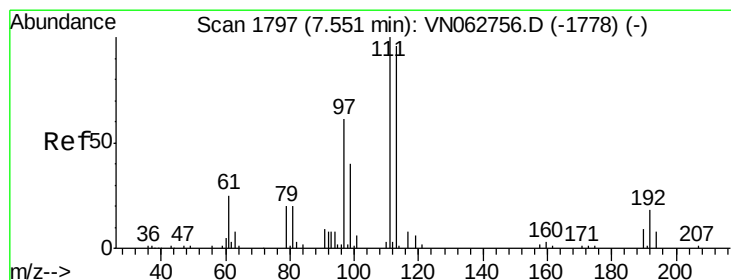
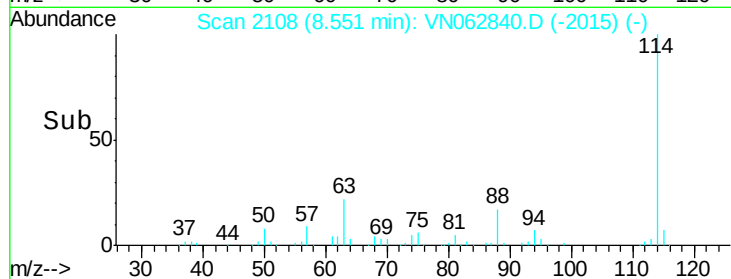
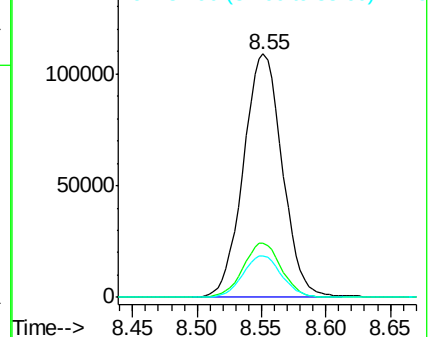
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN062840.D
Acq: 11 Aug 2020 19:33

Instrument :
MSVOA_N
ClientSampleId :
PB130874ZHE#02

Tgt Ion:114 Resp: 228662
Ion Ratio Lower Upper
114 100
63 22.1 0.0 47.6
88 17.1 0.0 34.4

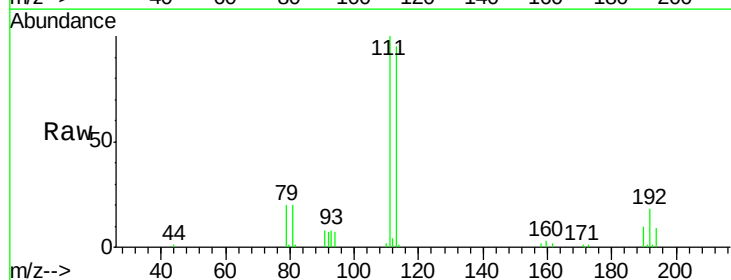


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

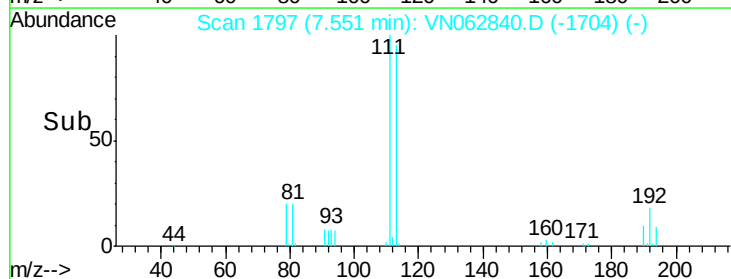
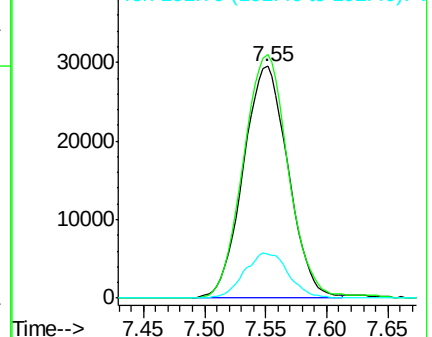


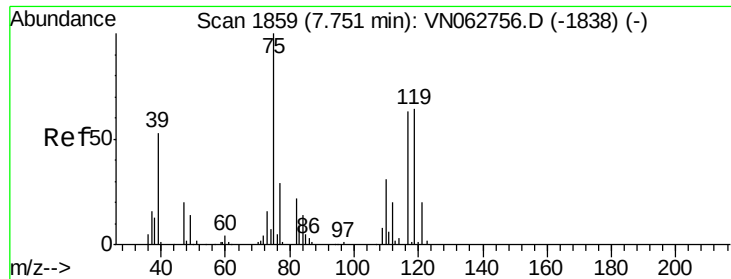
#35
Dibromofluoromethane
Concen: 48.216 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062840.D
Acq: 11 Aug 2020 19:33

Tgt Ion:113 Resp: 75418
Ion Ratio Lower Upper
113 100
111 105.5 81.8 122.6
192 19.0 15.0 22.4



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

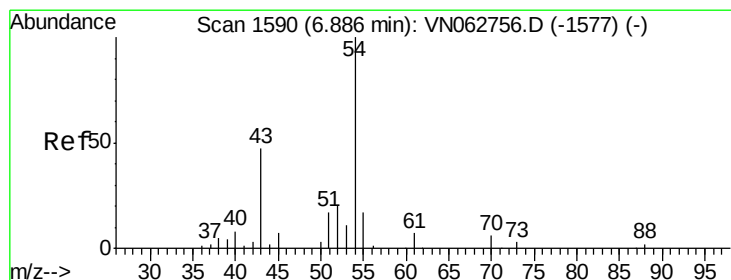
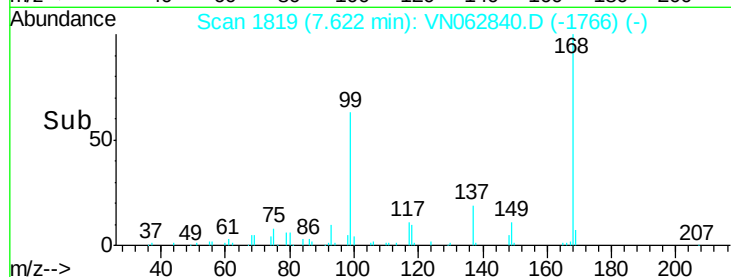
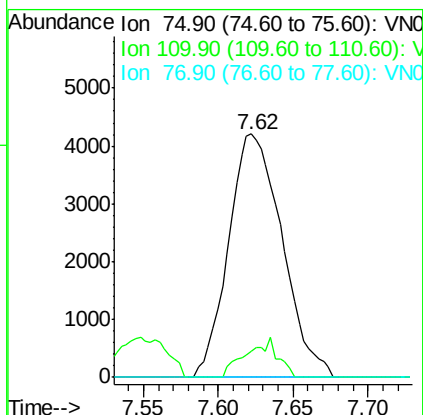
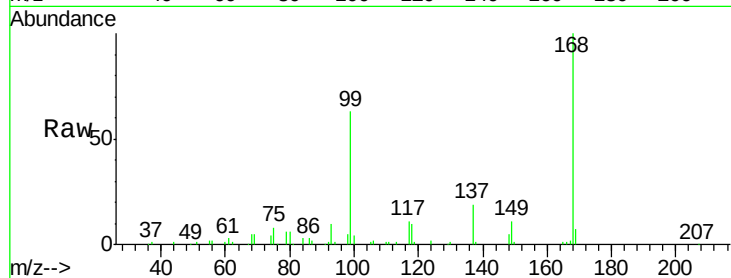




#36
 1,1-Dichloropropene
 Concen: 4.702 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062840.D
 Acq: 11 Aug 2020 19:33

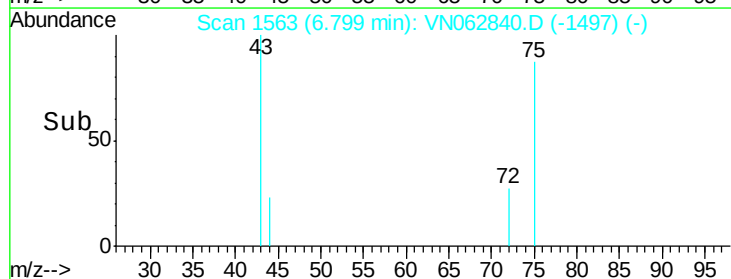
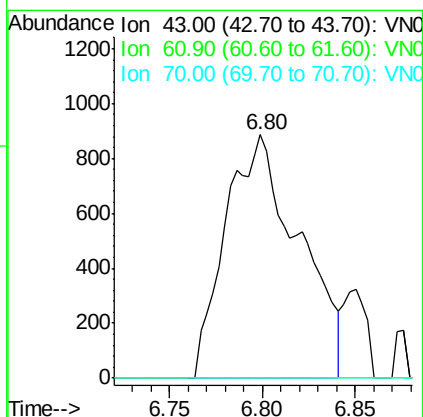
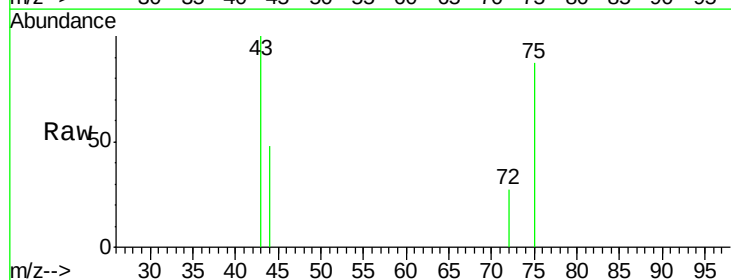
Instrument :
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 ClientSampleId :
 PB130874ZHE#02

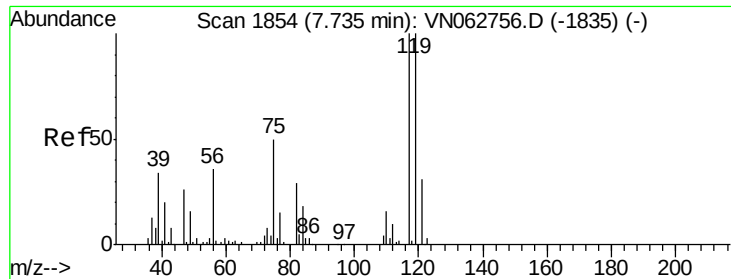
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	15.6	46.7#
77	0.0	24.1	36.1#



#37
 Ethyl Acetate
 Concen: 1.050 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.09 min
 Lab File: VN062840.D
 Acq: 11 Aug 2020 19:33

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	0.0	8.3	12.5#





#38

Carbon Tetrachloride

Concen: 5.062 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#02

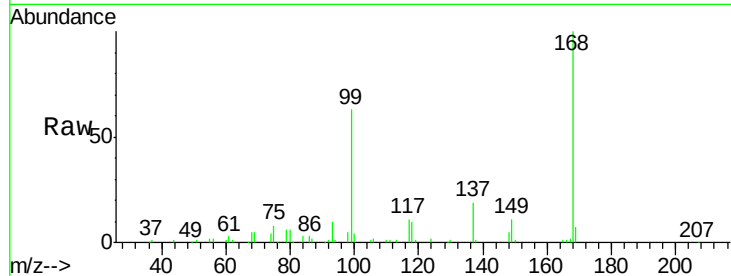
Tgt Ion:117 Resp: 13329

Ion Ratio Lower Upper

117 100

119 5.5 79.4 119.2#

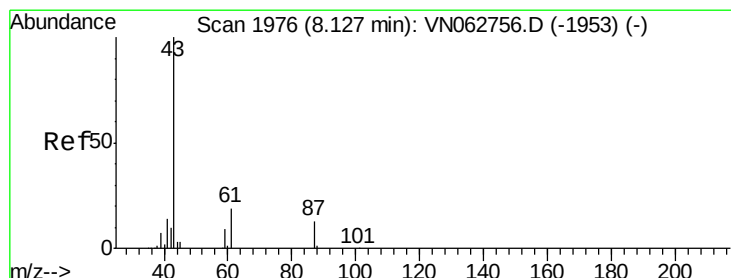
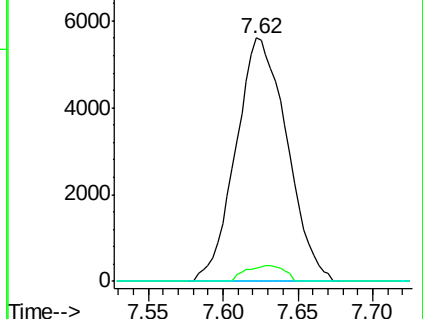
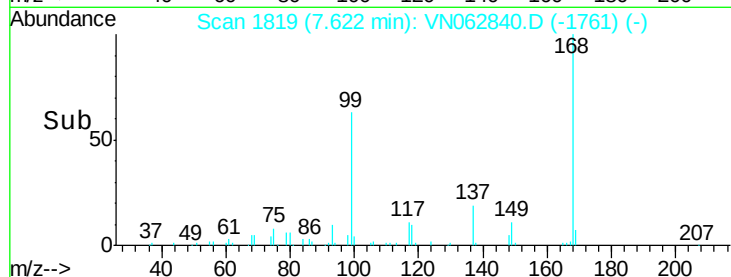
121 0.0 24.9 37.3#



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: 10.343 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

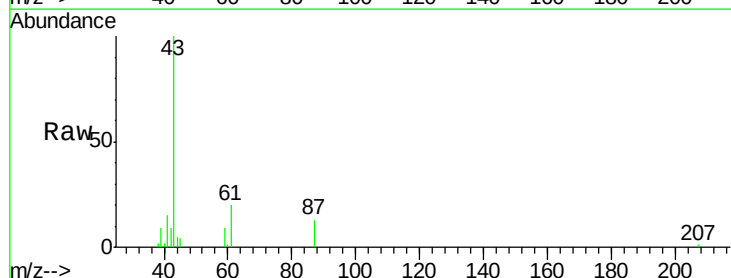
Tgt Ion: 43 Resp: 40126

Ion Ratio Lower Upper

43 100

61 19.1 15.8 23.6

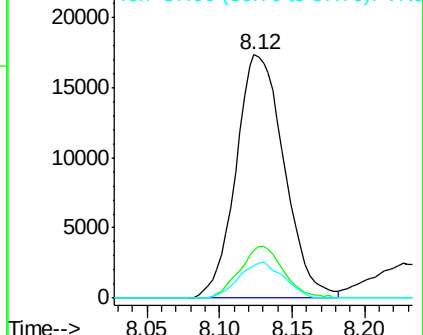
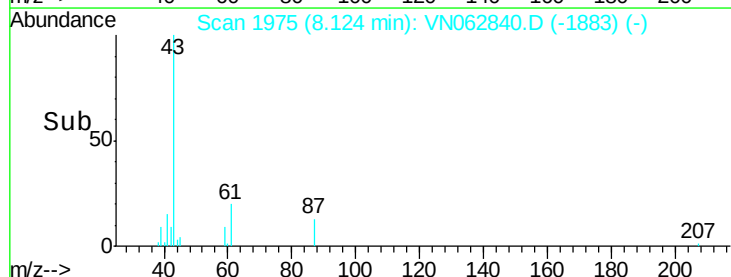
87 13.6 9.9 14.9

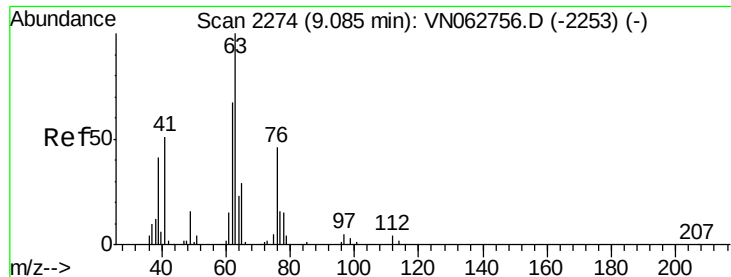


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

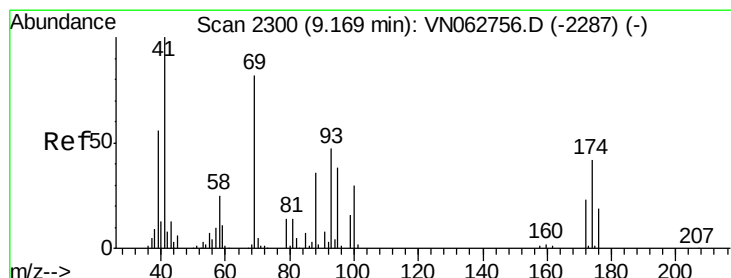
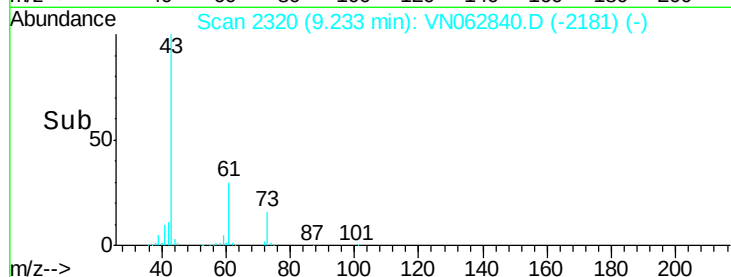
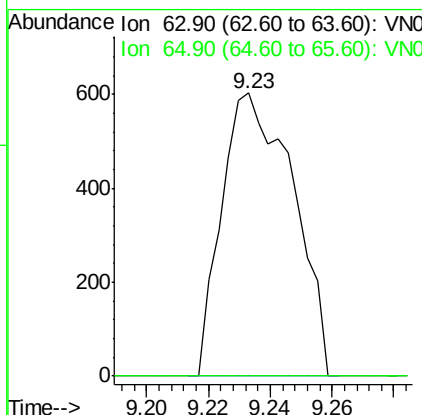
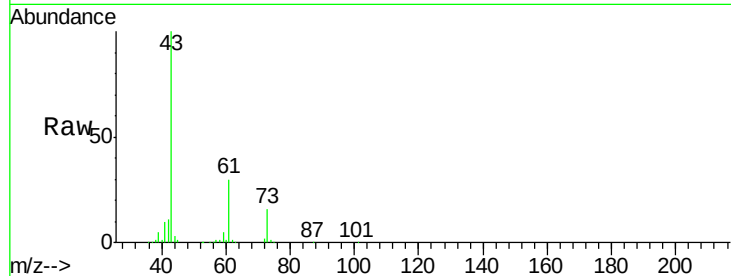




#45
 1,2-Dichloropropane
 Concen: 0.537 ug/l
 RT: 9.23 min Scan# 2320
 Delta R.T. 0.15 min
 Lab File: VN062840.D
 Acq: 11 Aug 2020 19:33

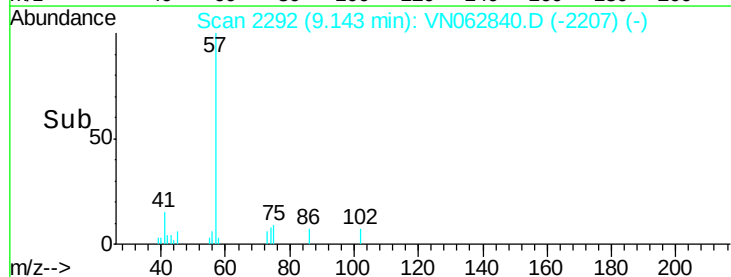
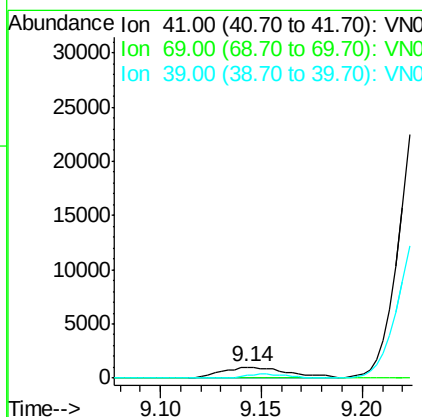
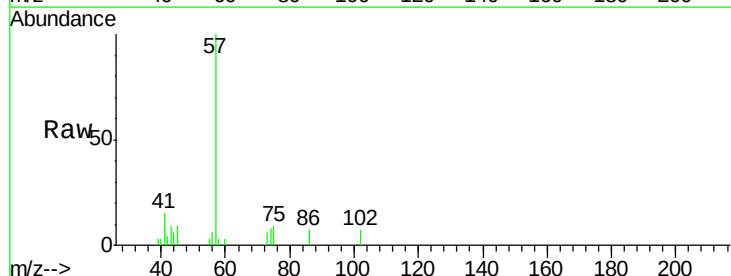
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#02

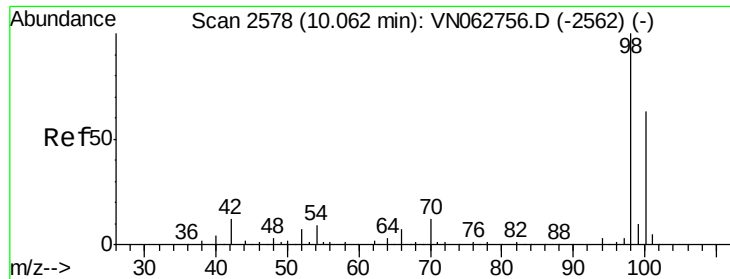
Tgt Ion: 63 Resp: 965
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.5 35.3#



#48
 Methyl methacrylate
 Concen: 1.206 ug/l
 RT: 9.14 min Scan# 2292
 Delta R.T. -0.03 min
 Lab File: VN062840.D
 Acq: 11 Aug 2020 19:33

Tgt Ion: 41 Resp: 2301
 Ion Ratio Lower Upper
 41 100
 69 0.0 67.4 101.2#
 39 0.0 47.6 71.4#

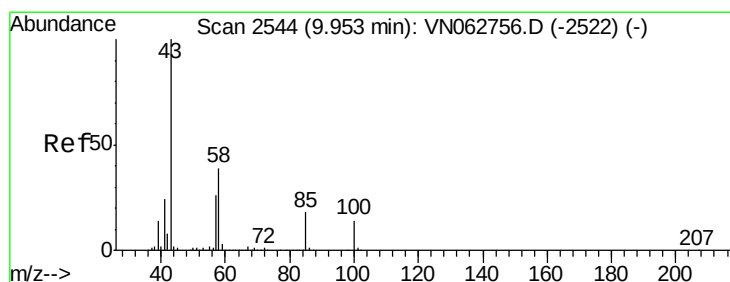
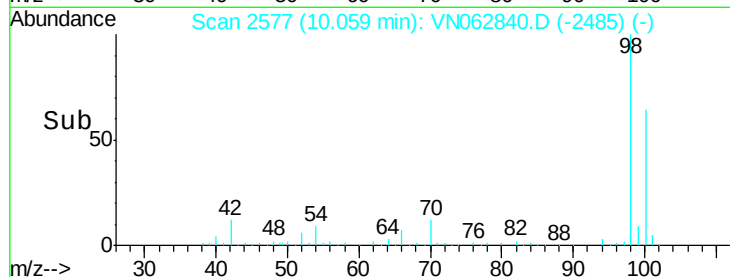
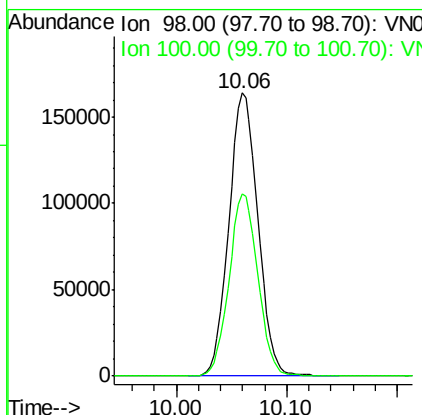
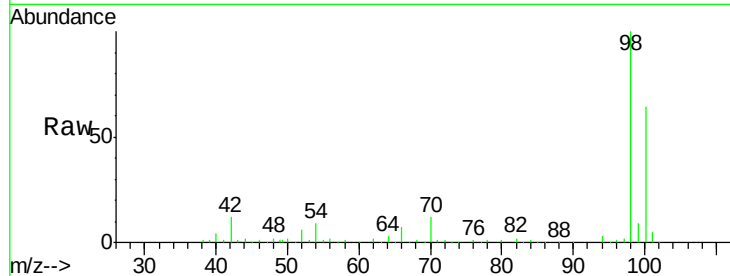




#50
Toluene-d8
Concen: 49.161 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062840.D
Acq: 11 Aug 2020 19:33

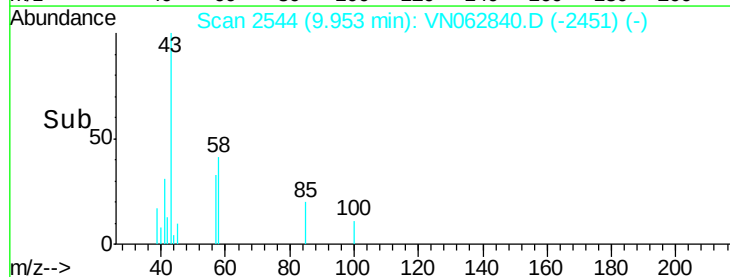
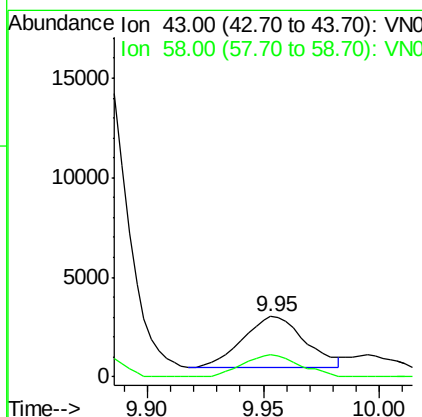
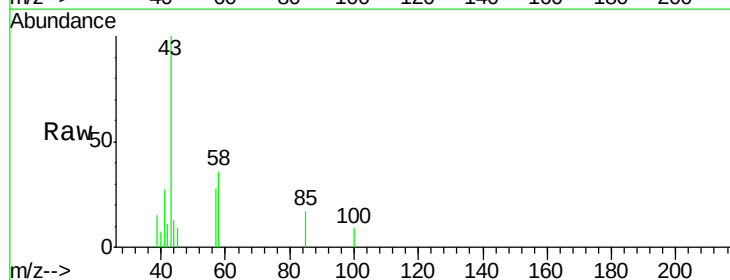
Instrument :
MSVOA_N
ClientSampleId :
PB130874ZHE#02

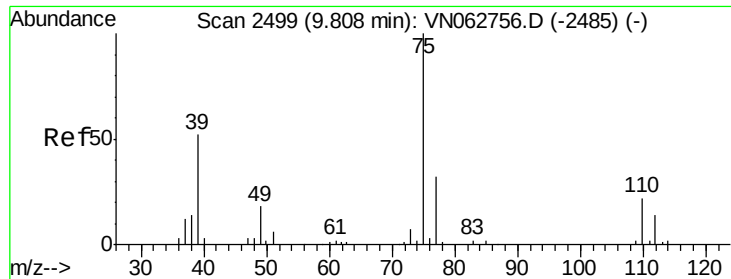
Tgt Ion: 98 Resp: 300210
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.904 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062840.D
Acq: 11 Aug 2020 19:33

Tgt Ion: 43 Resp: 4778
Ion Ratio Lower Upper
43 100
58 40.2 31.1 46.7

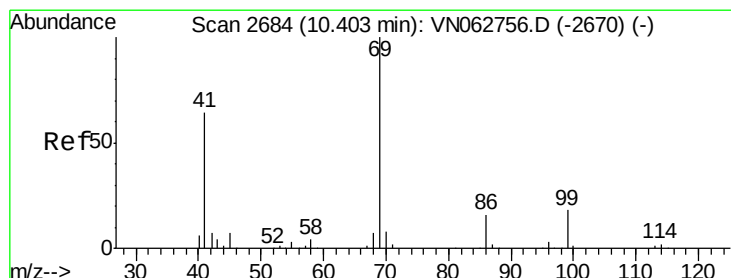
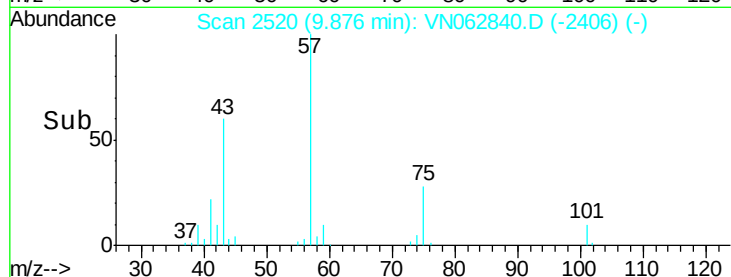
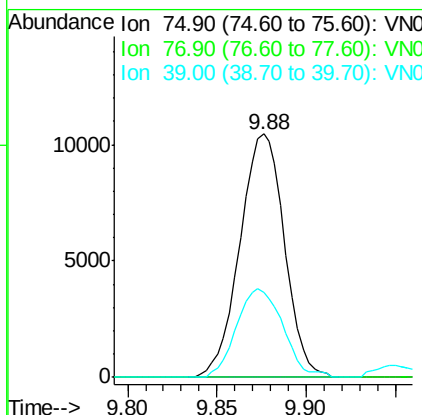
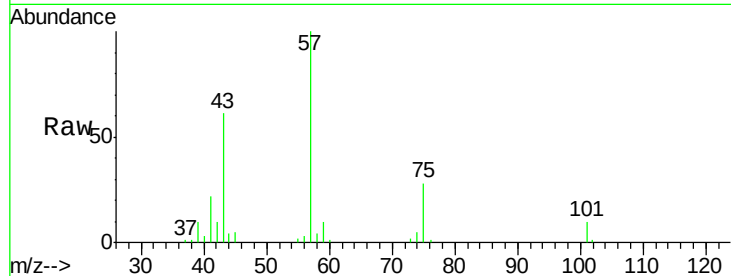




#54
 cis-1,3-Dichloropropene
 Concen: 6.254 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062840.D
 Acq: 11 Aug 2020 19:33

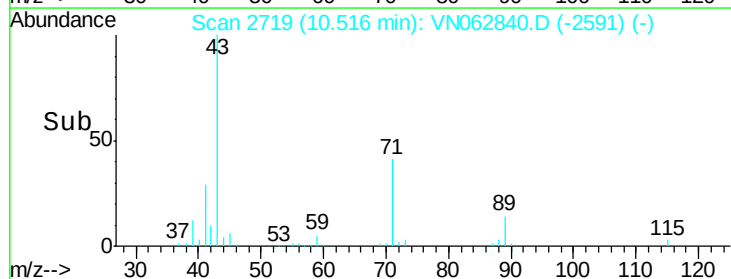
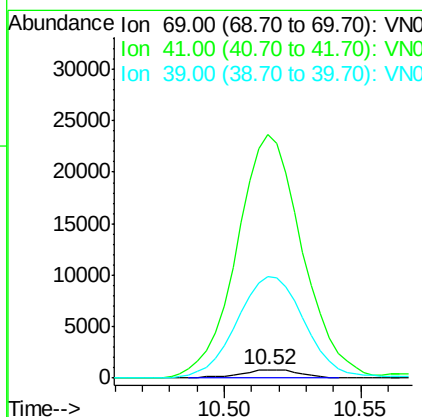
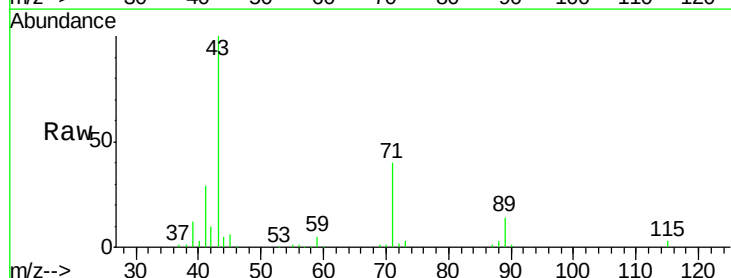
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#02

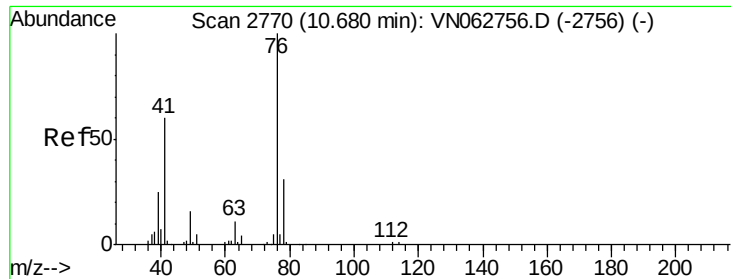
Tgt Ion: 75 Resp: 18276
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 35.1 41.9 62.9#



#56
 Ethyl methacrylate
 Concen: 0.470 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.11 min
 Lab File: VN062840.D
 Acq: 11 Aug 2020 19:33

Tgt Ion: 69 Resp: 1239
 Ion Ratio Lower Upper
 69 100
 41 3185.2 52.2 78.2#
 39 1380.6 30.9 46.3#

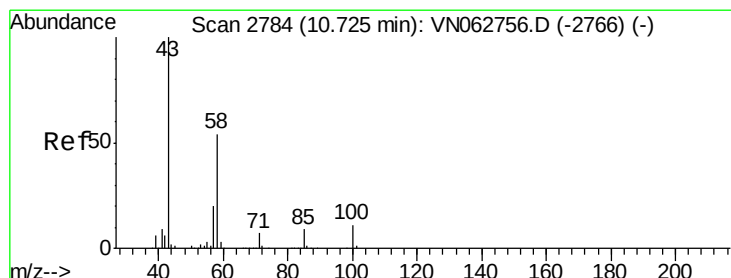
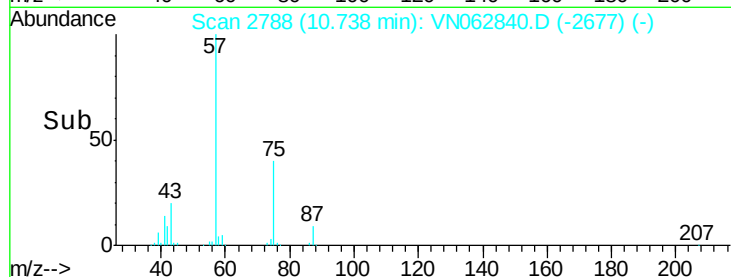
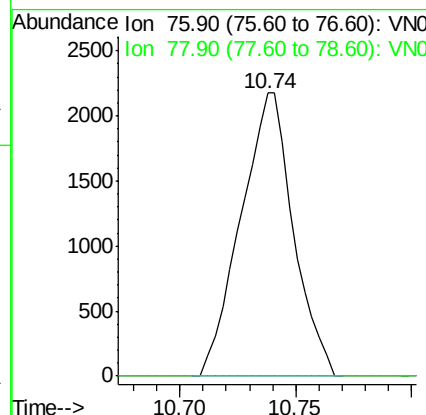
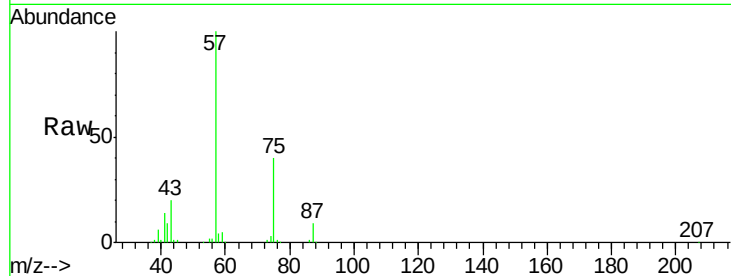




#57
 1,3-Dichloropropane
 Concen: 1.151 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062840.D
 Acq: 11 Aug 2020 19:33

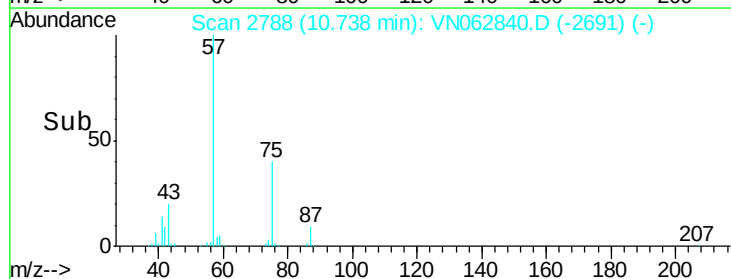
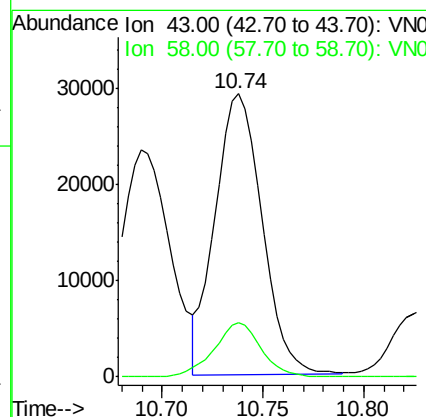
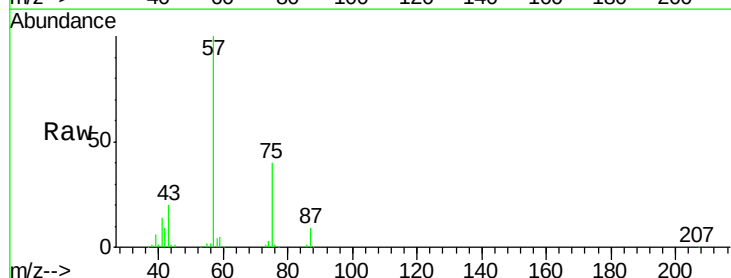
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#02

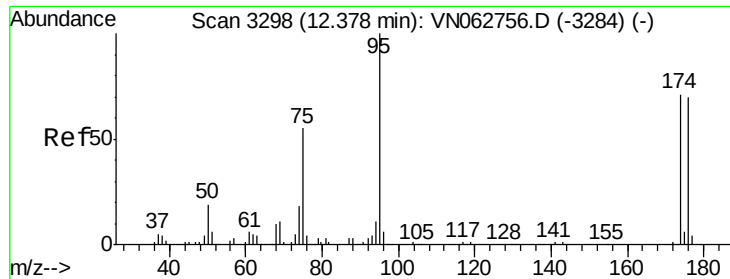
Tgt Ion: 76 Resp: 3427
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#



#59
 2-Hexanone
 Concen: 25.324 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN062840.D
 Acq: 11 Aug 2020 19:33

Tgt Ion: 43 Resp: 47414
 Ion Ratio Lower Upper
 43 100
 58 19.3 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 47.409 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#02

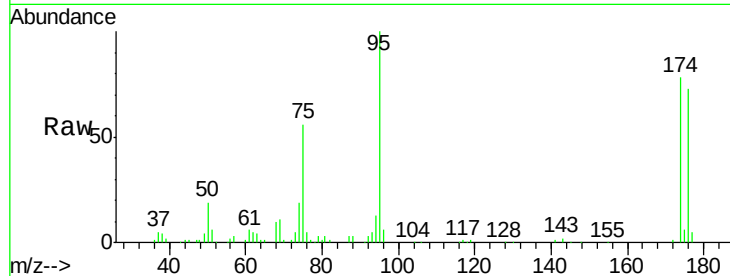
Tgt Ion: 95 Resp: 109406

Ion Ratio Lower Upper

95 100

174 77.1 0.0 144.8

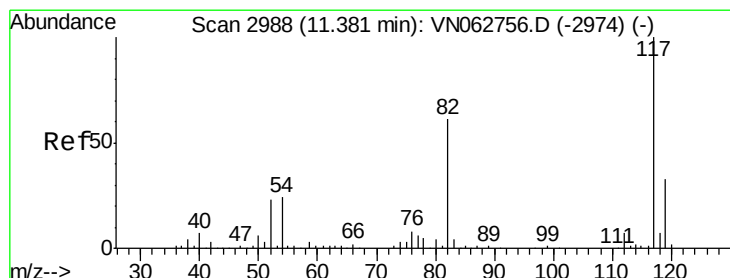
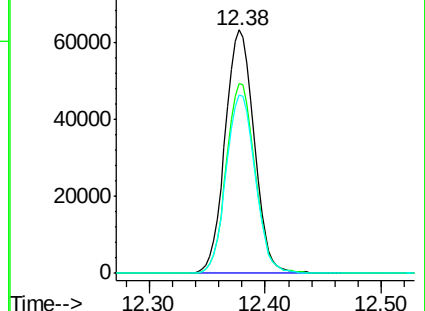
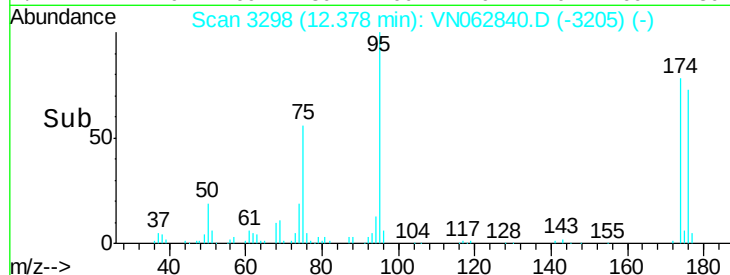
176 73.1 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062840.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062840.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062840.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

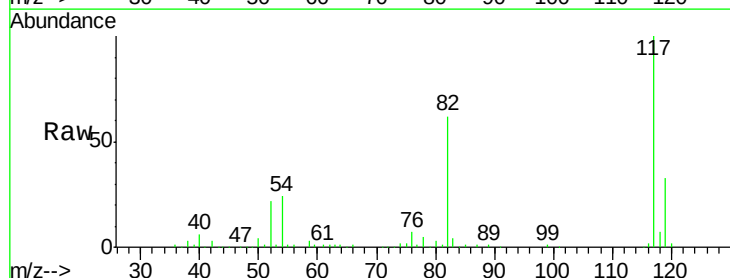
Tgt Ion: 117 Resp: 236199

Ion Ratio Lower Upper

117 100

82 61.5 49.0 73.4

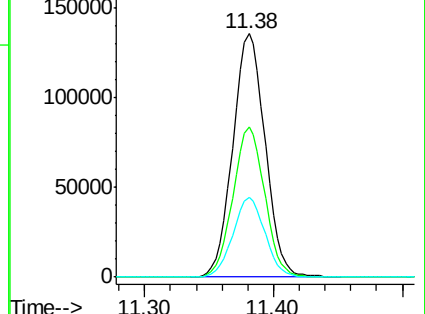
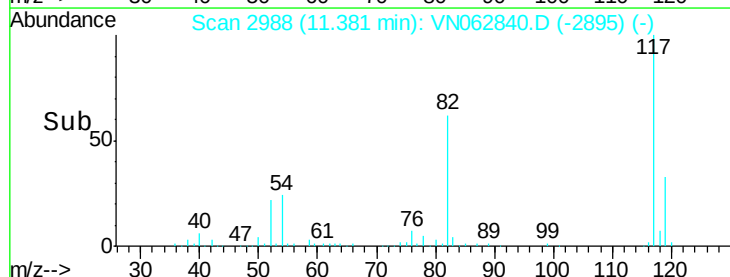
119 32.7 26.2 39.2

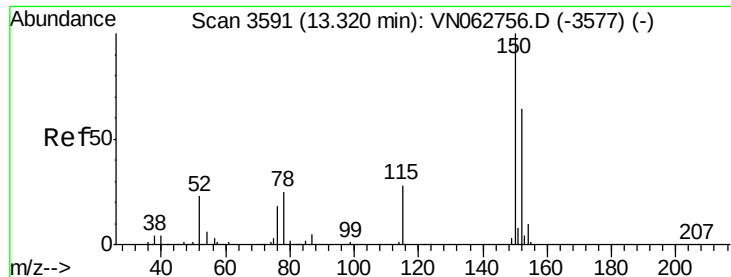


Abundance Ion 116.90 (116.60 to 117.60): VN062840.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062840.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062840.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#02

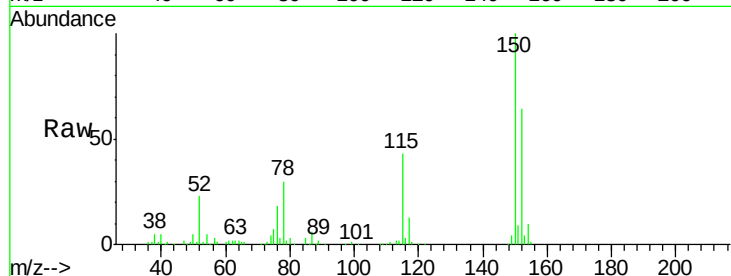
Tgt Ion:152 Resp: 86995

Ion Ratio Lower Upper

152 100

115 65.5 31.6 94.8

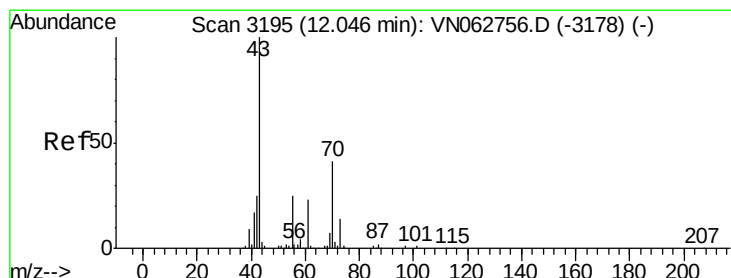
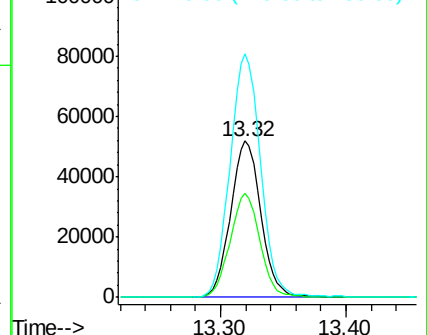
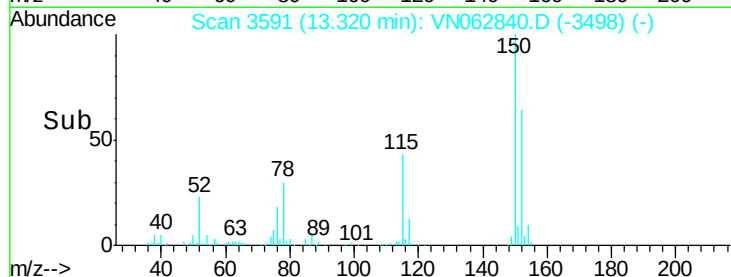
150 156.9 0.0 349.2



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: 1.023 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.02 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

Tgt Ion: 43 Resp: 2717

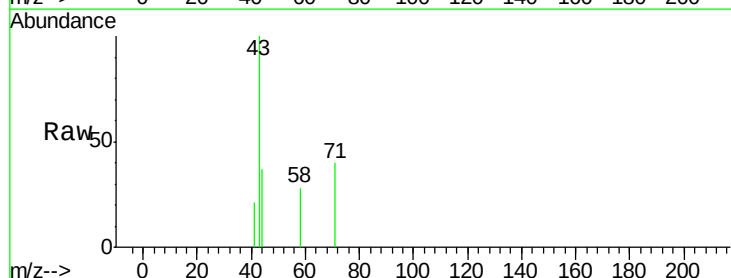
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#

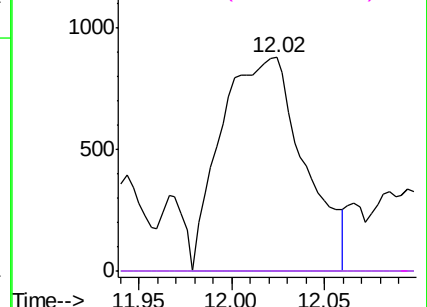
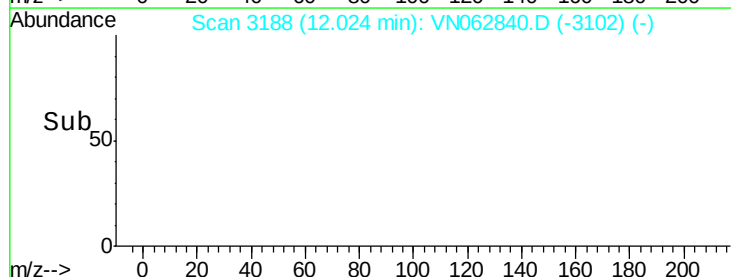


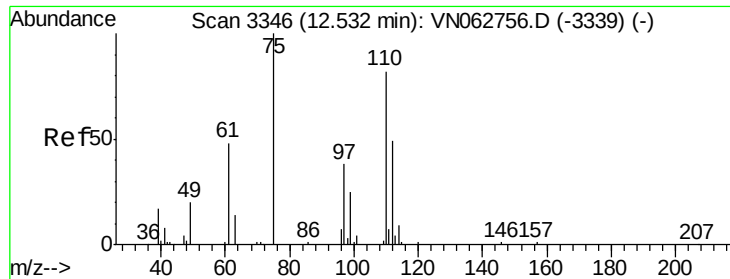
Abundance Ion 43.00 (42.70 to 43.70): V

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

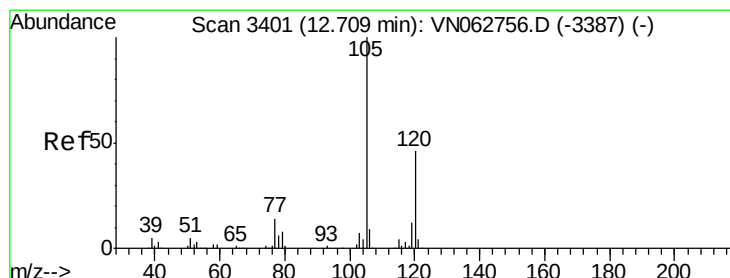
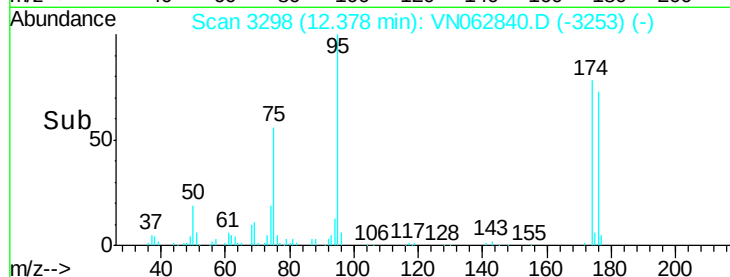
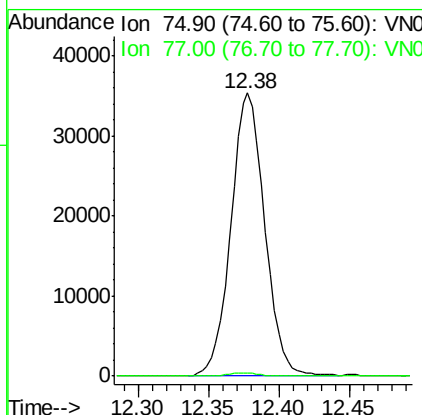
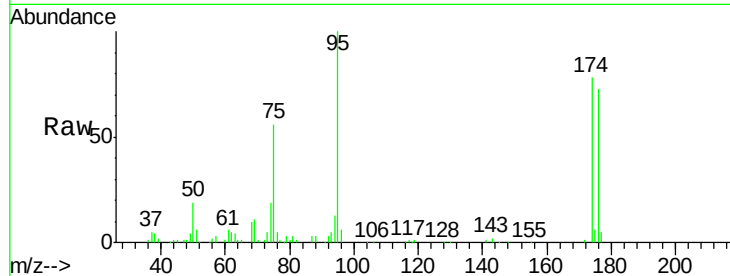




#76
 1,2,3-Trichloropropane
 Concen: 25.244 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062840.D
 Acq: 11 Aug 2020 19:33

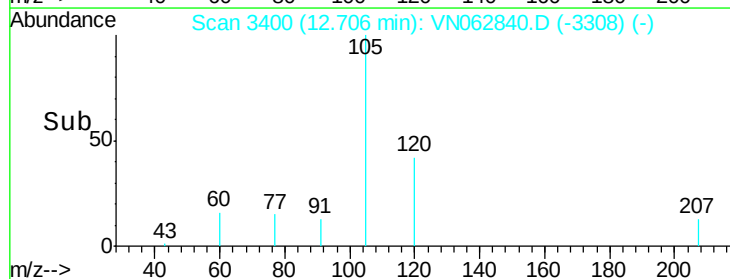
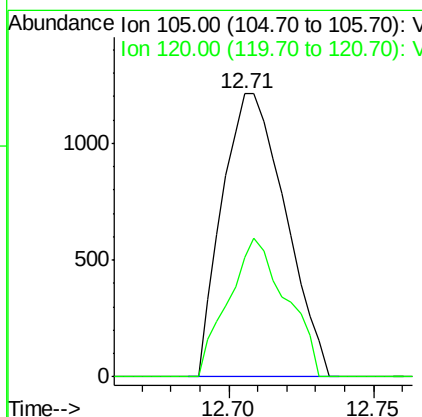
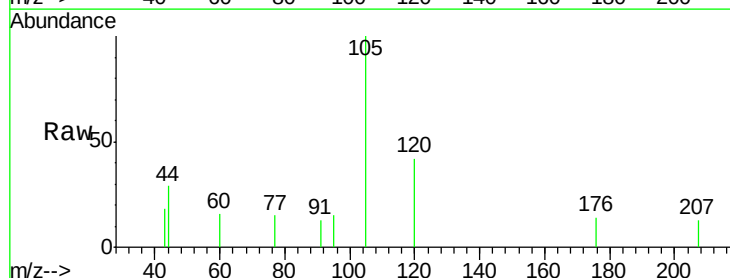
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#02

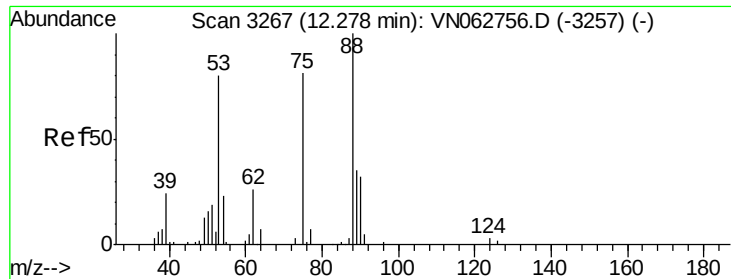
Tgt Ion: 75 Resp: 59226
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.323 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN062840.D
 Acq: 11 Aug 2020 19:33

Tgt Ion: 105 Resp: 1833
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 77.062 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#02

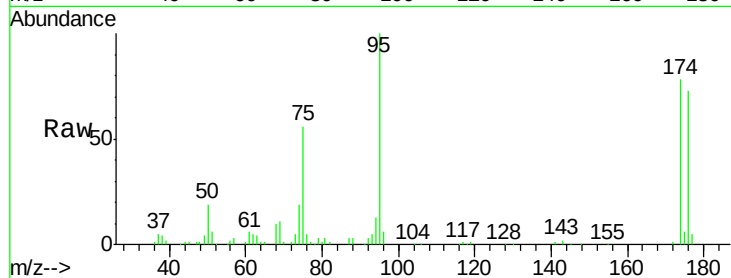
Tgt Ion: 75 Resp: 59226

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#



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

