

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062922.D
 Acq On : 13 Aug 2020 20:07
 Operator : JC/MD
 Sample : PB130936ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130936ZHE#05

Quant Time: Aug 14 05:11:14 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	120425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	223463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	230744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	92618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	105481	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
35) Dibromofluoromethane	7.55	113	75391	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.06	98	291686	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.38	95	112853	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

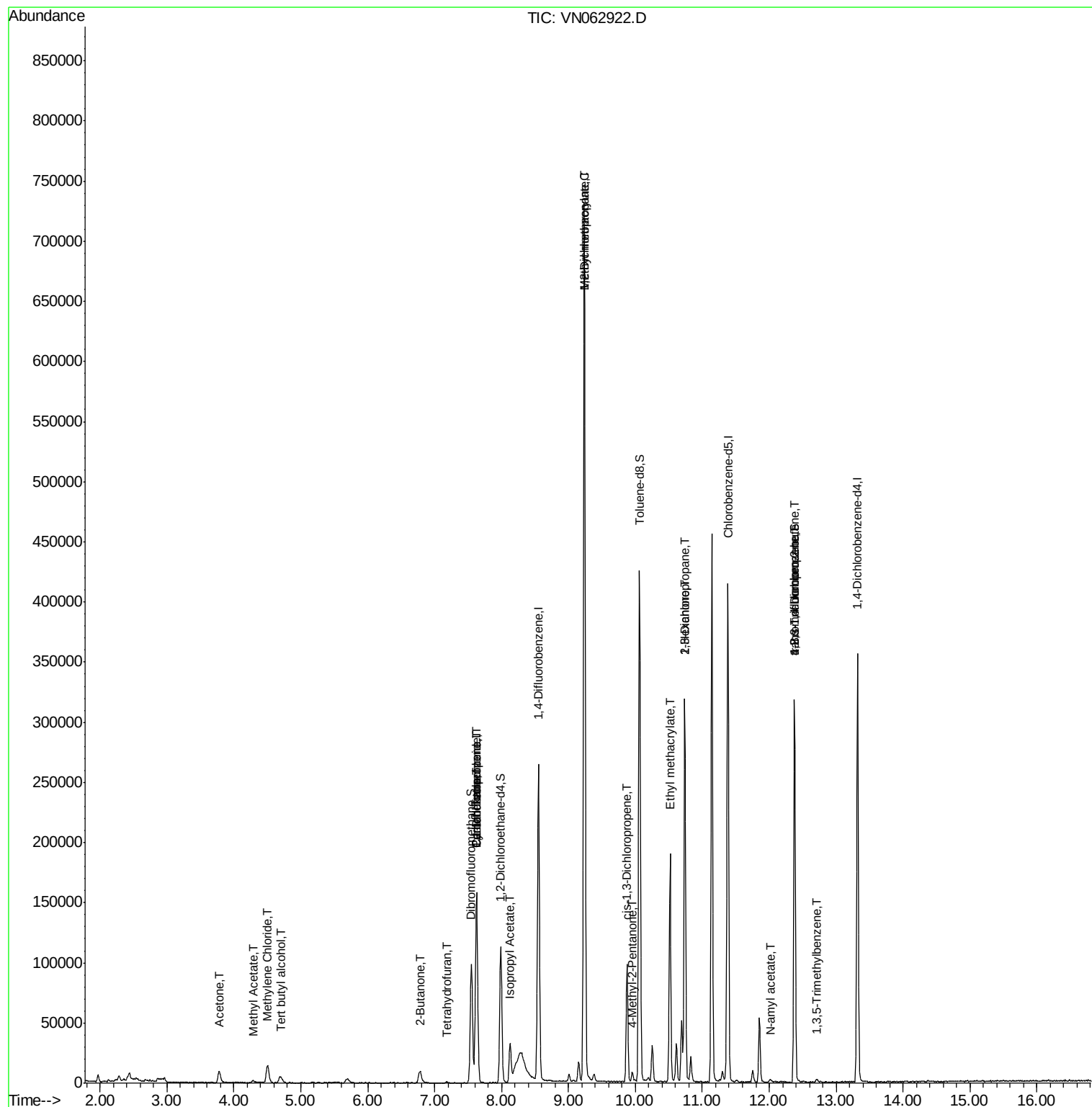
						Qvalue
11) Tert butyl alcohol	4.70	59	5571	17.068	ug/l #	72
16) Acetone	3.78	43	17833	24.782	ug/l	95
18) Methyl Acetate	4.28	43	3431	0.907	ug/l #	66
20) Methylene Chloride	4.50	84	11812	8.336	ug/l	90
25) 2-Butanone	6.79	43	1283	1.259	ug/l	100
29) Tetrahydrofuran	7.17	42	768	1.160	ug/l #	58
31) Cyclohexane	7.62	56	2951	1.222	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10441	4.799	ug/l #	53
38) Carbon Tetrachloride	7.63	117	13141	5.106	ug/l #	17
43) Isopropyl Acetate	8.13	43	39449	10.406	ug/l	99
45) 1,2-Dichloropropane	9.24	63	838	0.477	ug/l #	45
48) Methyl methacrylate	9.24	41	70691	37.909	ug/l #	44
51) 4-Methyl-2-Pentanone	9.95	43	5092	2.076	ug/l	99
54) cis-1,3-Dichloropropene	9.88	75	17233	6.034	ug/l #	66
56) Ethyl methacrylate	10.51	69	1026	0.398	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3245	1.115	ug/l #	43
59) 2-Hexanone	10.74	43	45038	24.614	ug/l #	54
74) N-amyl acetate	12.00	43	1416	0.501	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	60439	24.197	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1917	0.317	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	60439	73.866	ug/l #	10

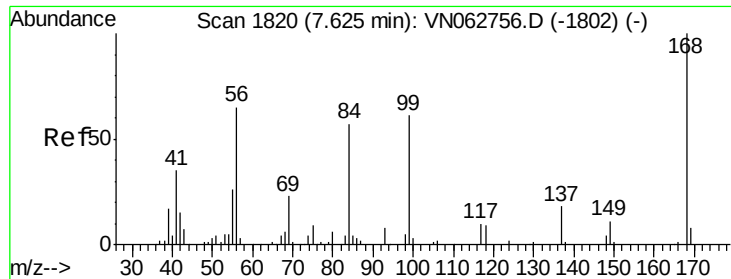
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 14 05:11:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062922.D

Acq: 13 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

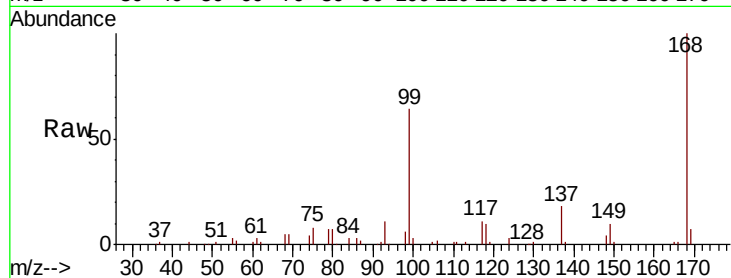
PB130936ZHE#05

Tot Ion:168 Resp: 120425

Ion Ratio Lower Upper

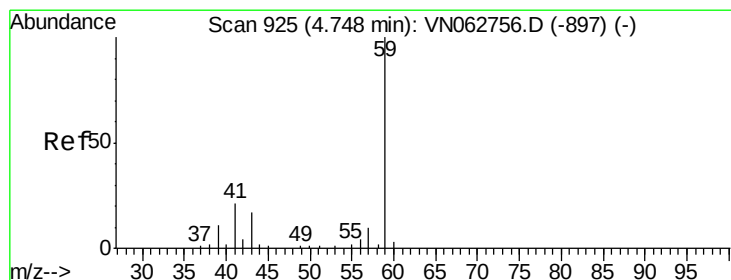
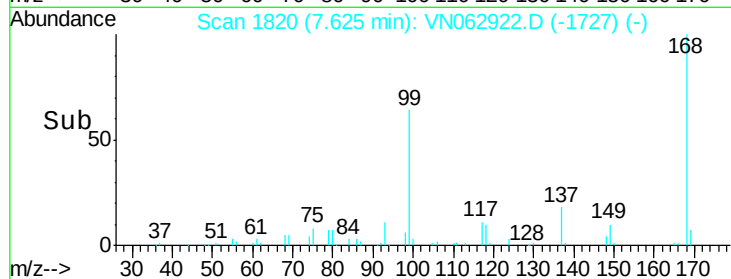
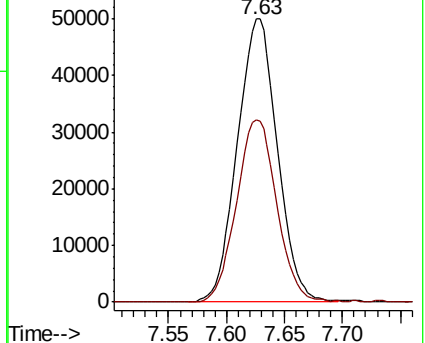
168 100

99 64.4 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 17.068 ug/l

RT: 4.70 min Scan# 910

Delta R.T. -0.05 min

Lab File: VN062922.D

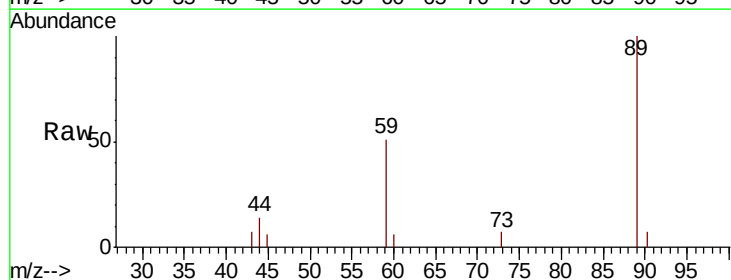
Acq: 13 Aug 2020 20:07

Tgt Ion: 59 Resp: 5571

Ion Ratio Lower Upper

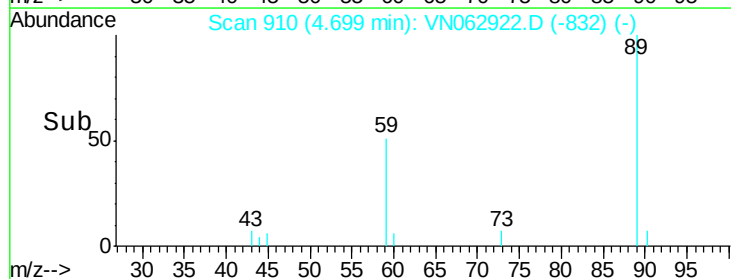
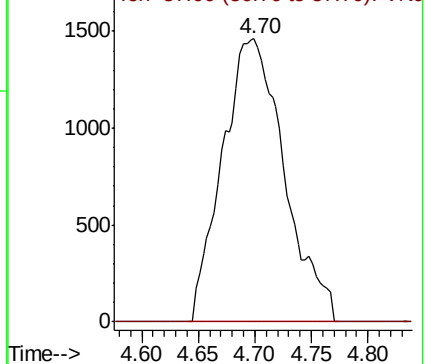
59 100

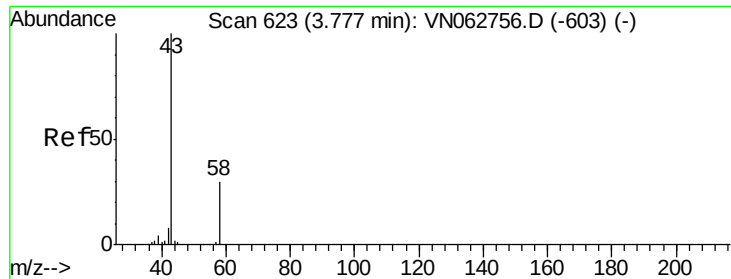
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 24.782 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062922.D

Acq: 13 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

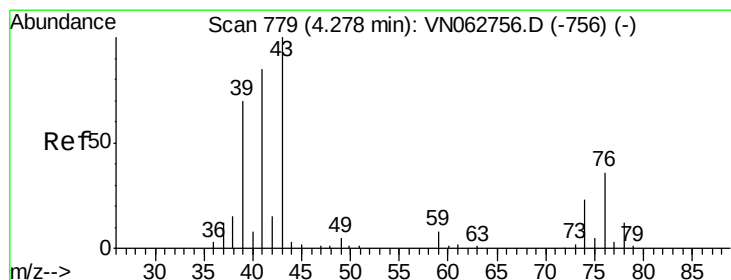
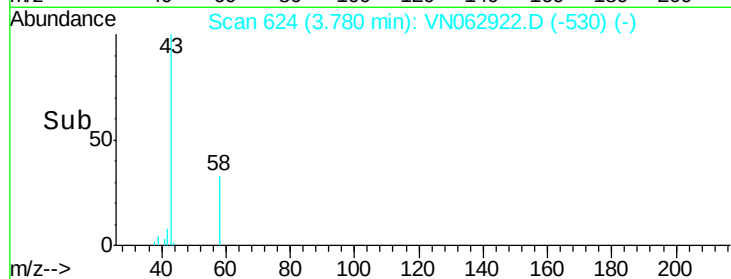
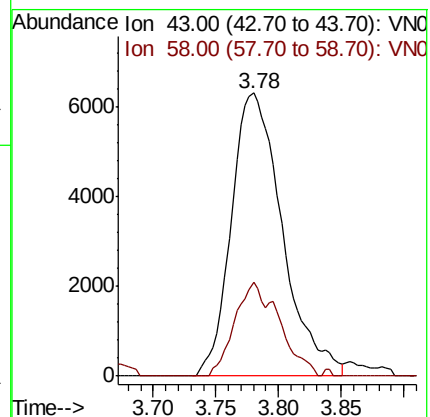
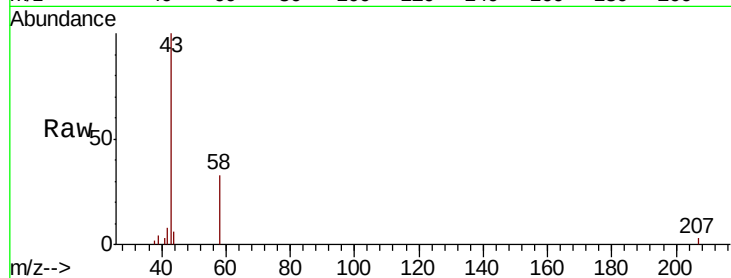
PB130936ZHE#05

Tot Ion: 43 Resp: 17833

Ion Ratio Lower Upper

43 100

58 33.0 24.1 36.1



#18

Methyl Acetate

Concen: 0.907 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.01 min

Lab File: VN062922.D

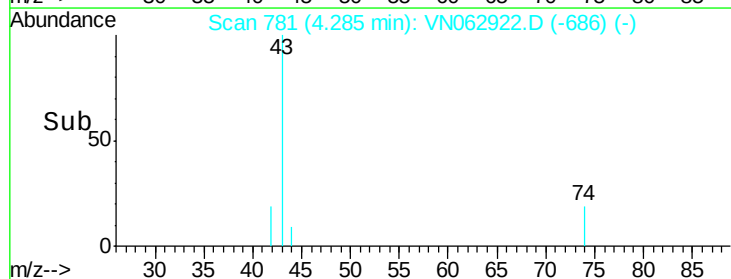
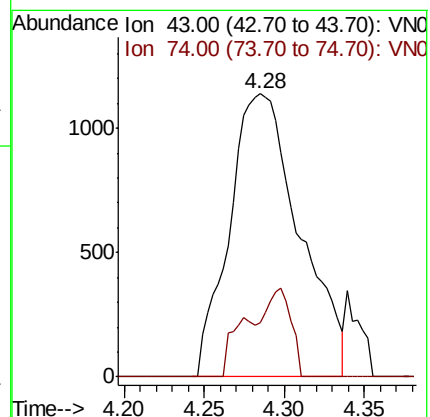
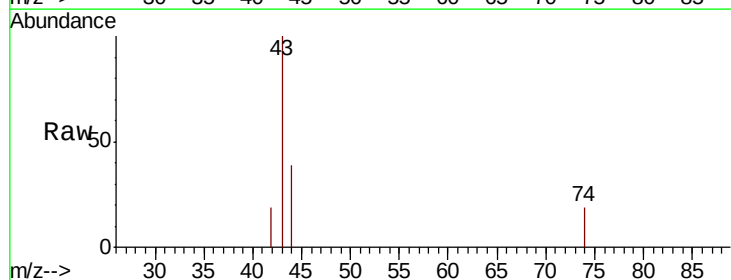
Acq: 13 Aug 2020 20:07

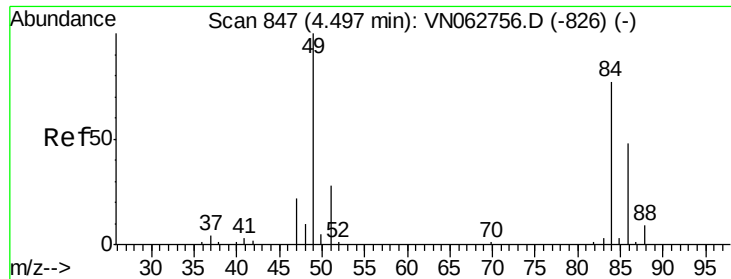
Tgt Ion: 43 Resp: 3431

Ion Ratio Lower Upper

43 100

74 7.0 18.6 28.0#

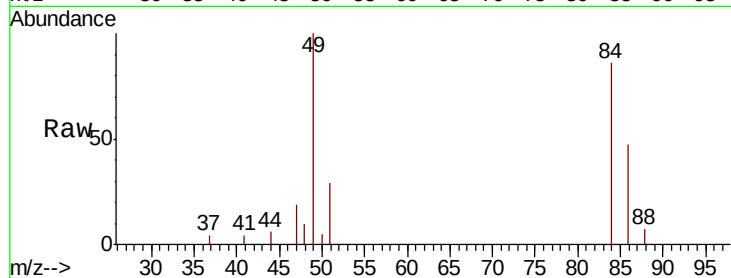




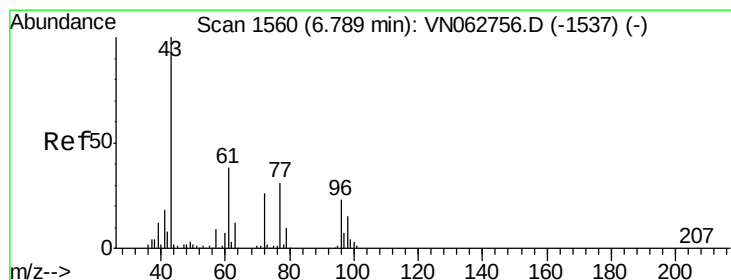
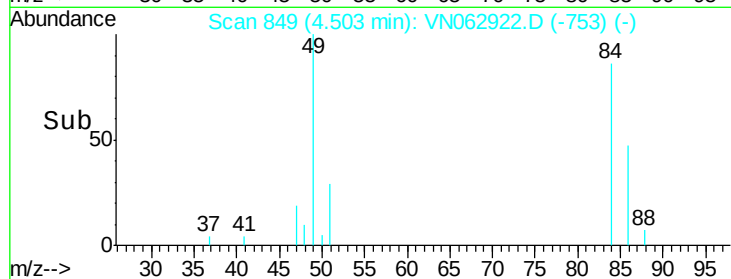
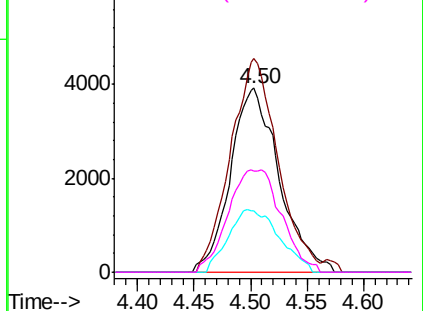
#20
Methvlene Chloride
Concen: 8.336 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062922.D
Acq: 13 Aug 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
PB130936ZHE#05

Tot Ion:	84	Resp:	11812
Ion	Ratio	Lower	Upper
84	100		
49	116.0	103.4	155.2
51	33.1	29.3	43.9
86	55.1	49.9	74.9

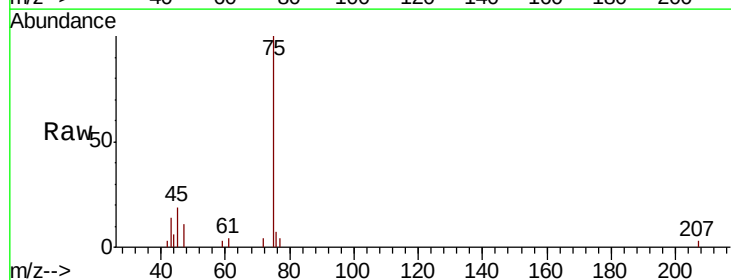


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

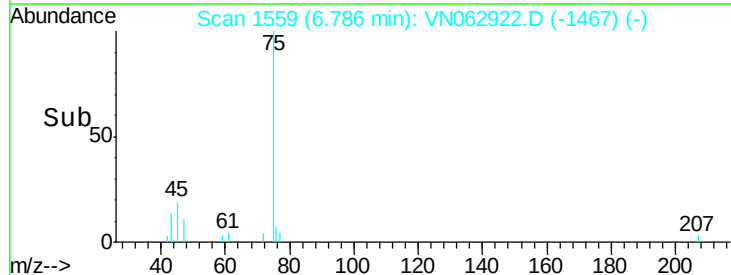
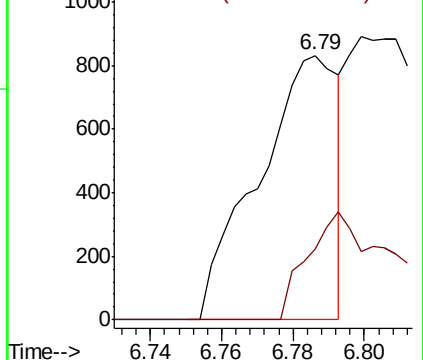


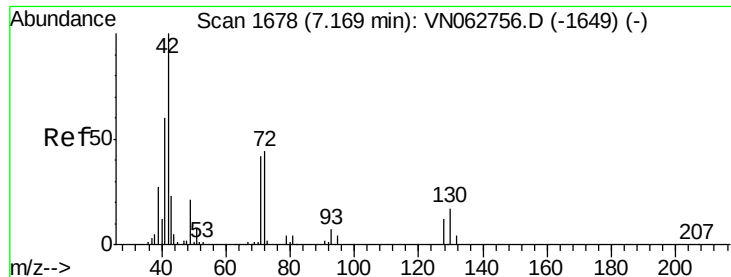
#25
2-Butanone
Concen: 1.259 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062922.D
Acq: 13 Aug 2020 20:07

Tgt Ion:	43	Resp:	1283
Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.1	31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

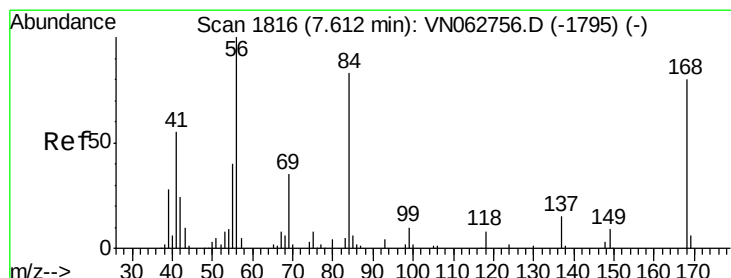
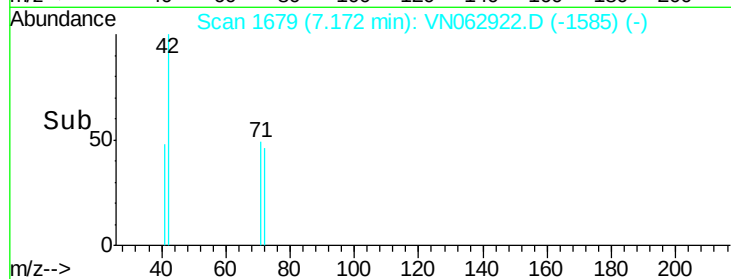
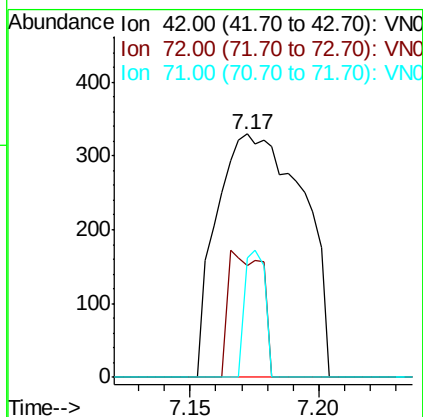
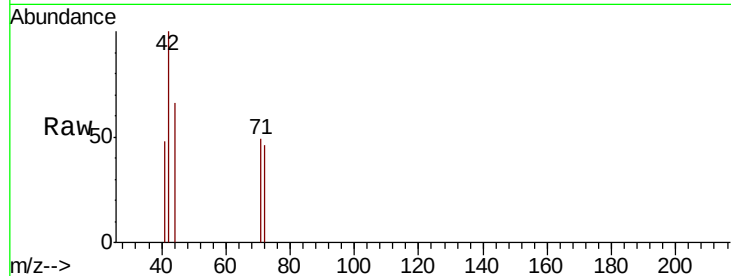




#29
Tetrahydrofuran
Concen: 1.160 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN062922.D
Acq: 13 Aug 2020 20:07

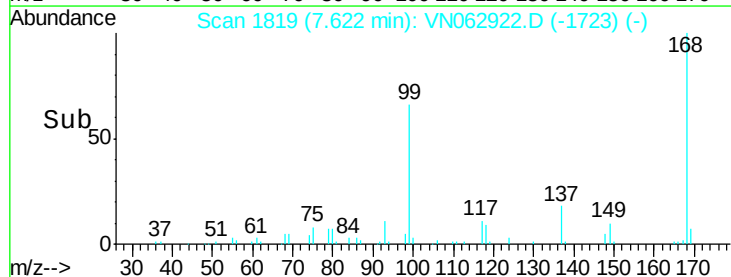
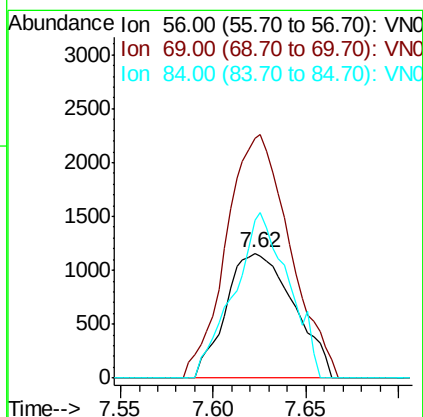
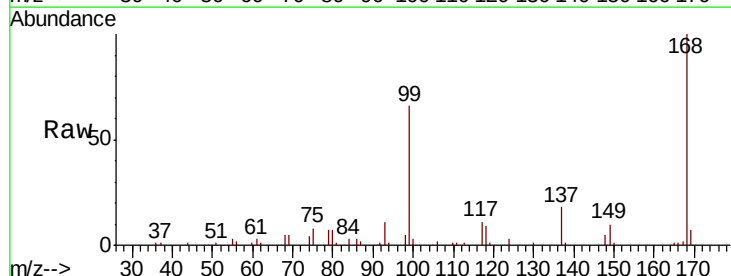
Instrument :
MSVOA_N
ClientSampleId :
PB130936ZHE#05

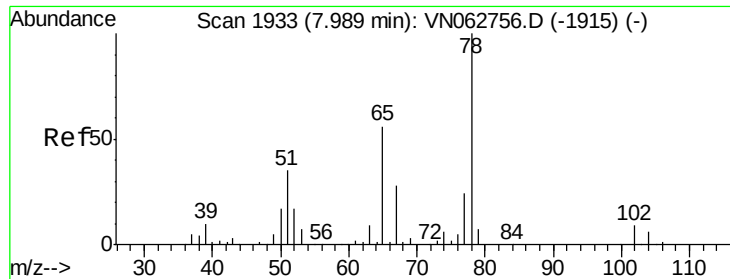
Tot Ion: 42 Resp: 768
Ion Ratio Lower Upper
42 100
72 20.1 35.0 52.4#
71 12.1 33.2 49.8#



#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062922.D
Acq: 13 Aug 2020 20:07

Tgt Ion: 56 Resp: 2951
Ion Ratio Lower Upper
56 100
69 192.6 28.1 42.1#
84 126.4 66.8 100.2#





#33

1,2-Dichloroethane-d4

Concen: 52.967 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062922.D

Acq: 13 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

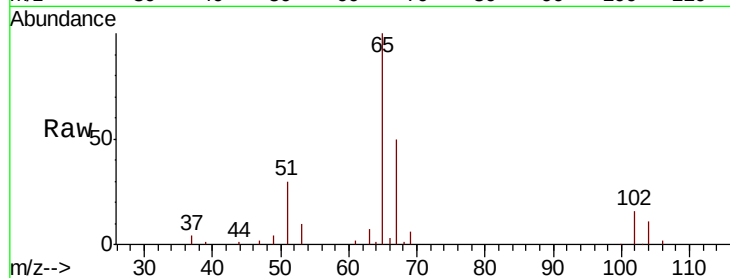
PB130936ZHE#05

Tot Ion: 65 Resp: 105481

Ion Ratio Lower Upper

65 100

67 49.8 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN062756.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062756.D (-1915) (-)

7.99

50000

40000

30000

20000

10000

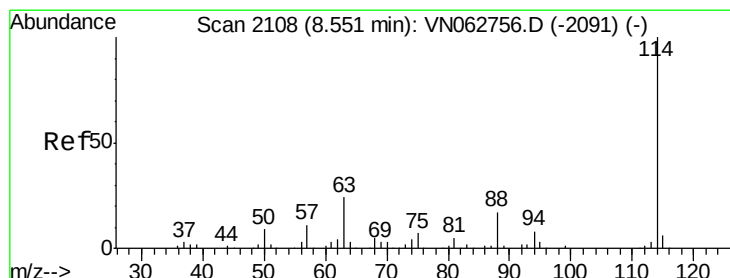
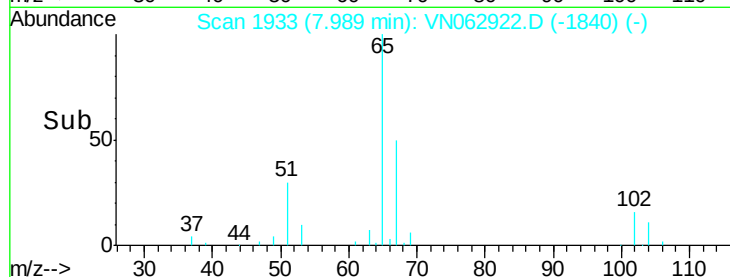
0

Time-->

7.90

8.00

8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062922.D

Acq: 13 Aug 2020 20:07

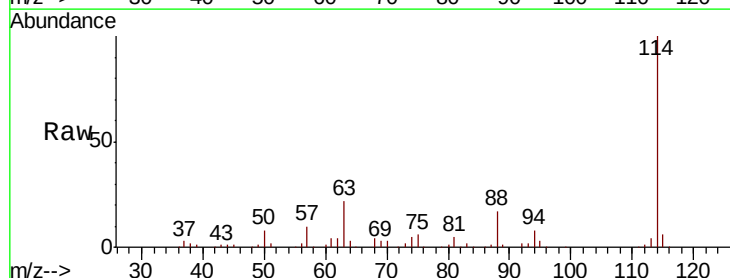
Tgt Ion: 114 Resp: 223463

Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.6

88 16.6 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VN062756.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062756.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062756.D (-2091) (-)

8.55

100000

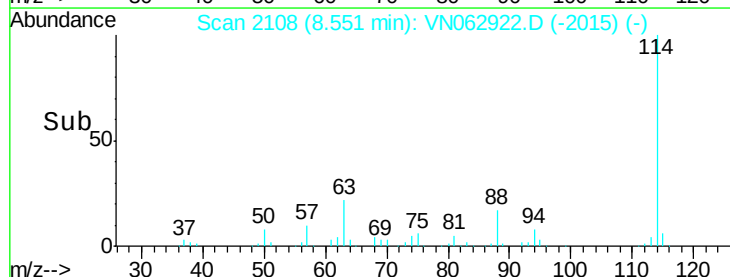
50000

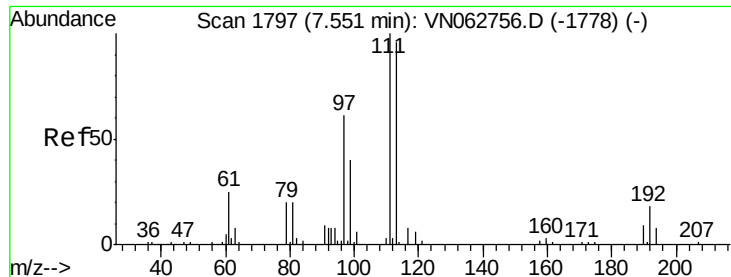
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Time-->

8.50

8.60

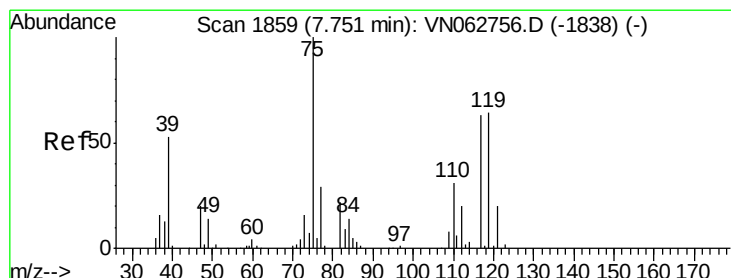
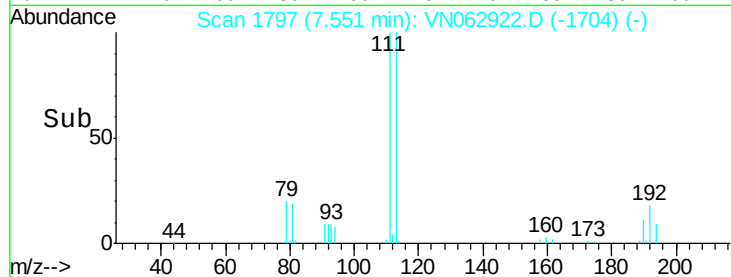
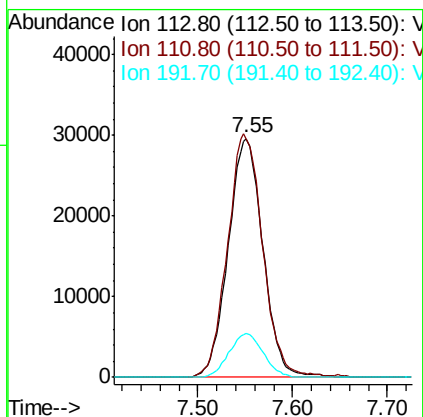
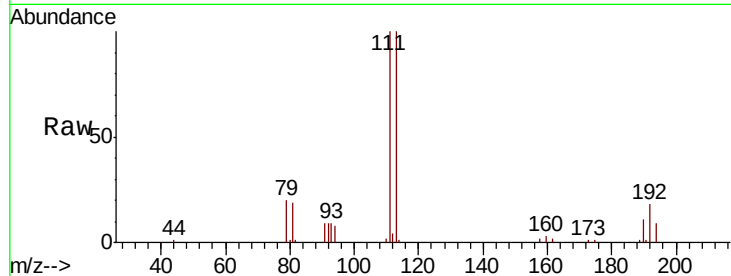




#35
 Dibromofluoromethane
 Concen: 49.320 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062922.D
 Acq: 13 Aug 2020 20:07

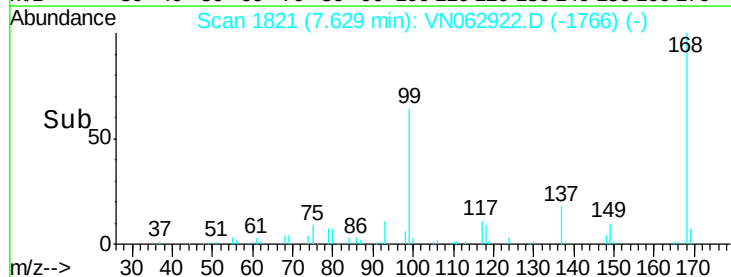
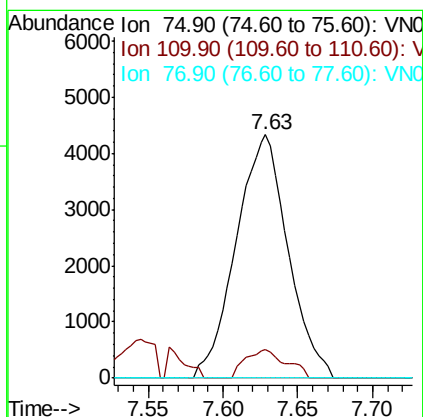
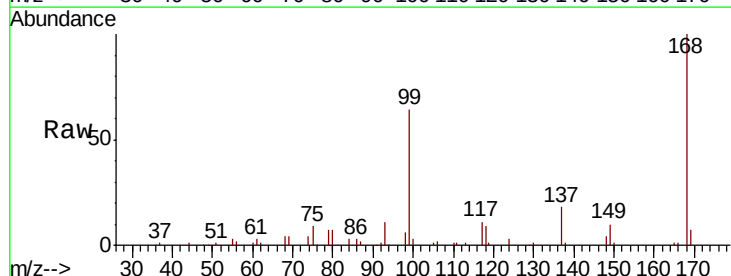
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130936ZHE#05

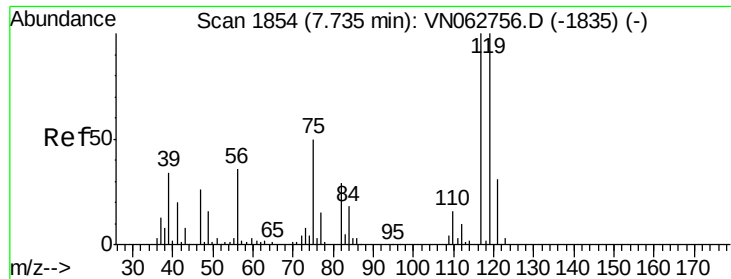
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	18.1	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 4.799 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062922.D
 Acq: 13 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.6	46.7#
77	0.0	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 5.106 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN062922.D

Acq: 13 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

PB130936ZHE#05

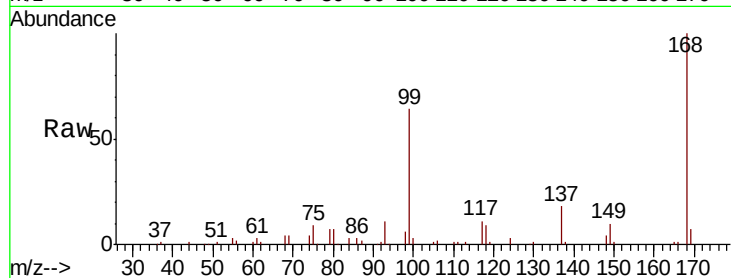
Tot Ion:117 Resp: 13141

Ion Ratio Lower Upper

117 100

119 7.8 79.4 119.2#

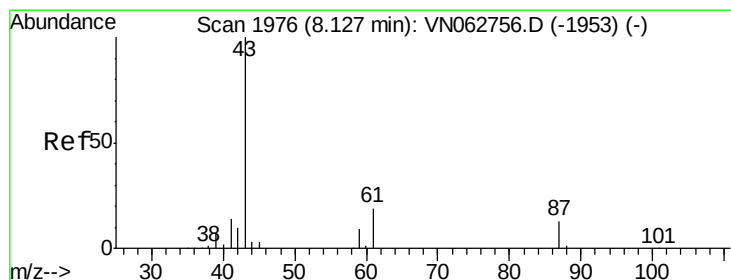
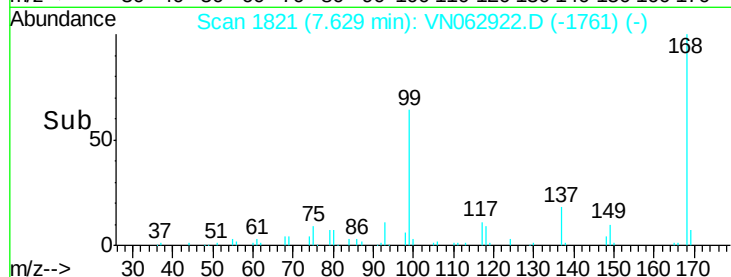
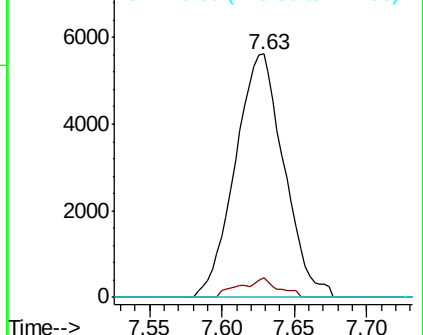
121 0.0 24.9 37.3#



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: 10.406 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062922.D

Acq: 13 Aug 2020 20:07

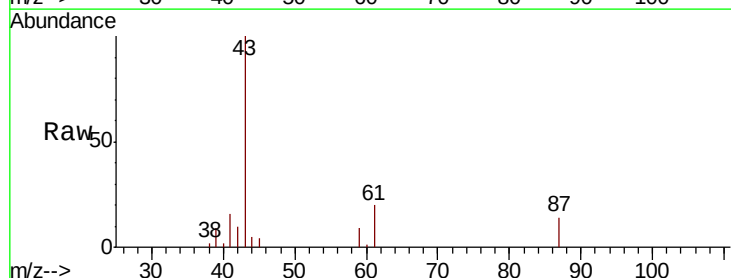
Tgt Ion: 43 Resp: 39449

Ion Ratio Lower Upper

43 100

61 19.7 15.8 23.6

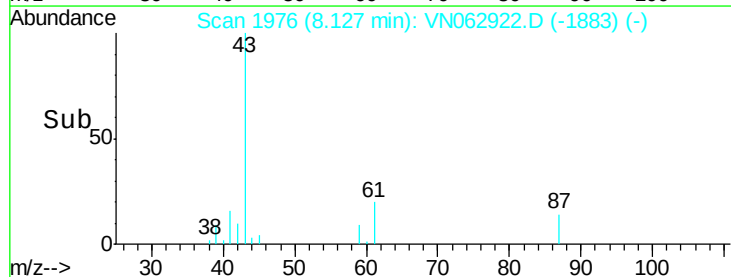
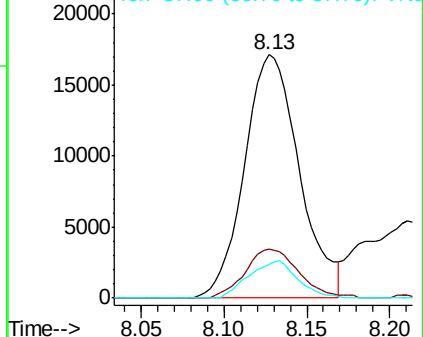
87 13.6 9.9 14.9

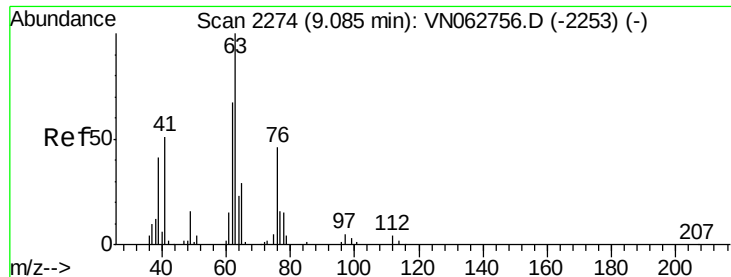


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

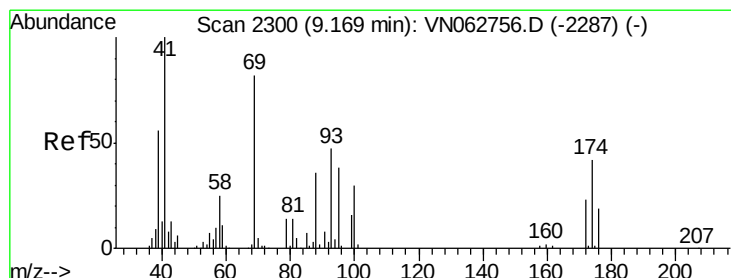
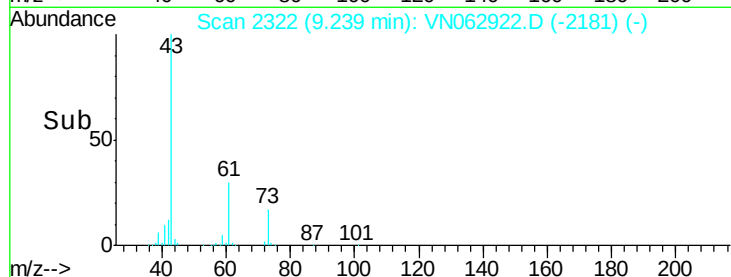
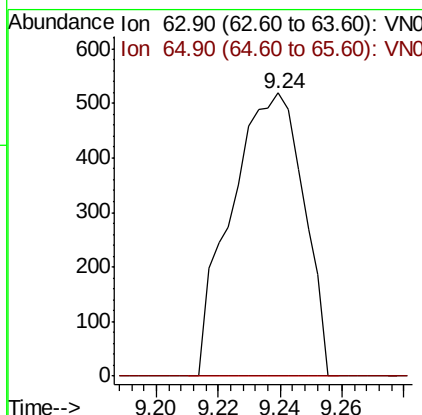
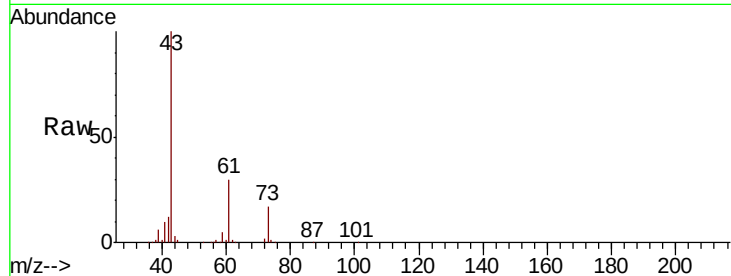




#45
 1,2-Dichloropropane
 Concen: 0.477 ug/l
 RT: 9.24 min Scan# 2322
 Delta R.T. 0.15 min
 Lab File: VN062922.D
 Acq: 13 Aug 2020 20:07

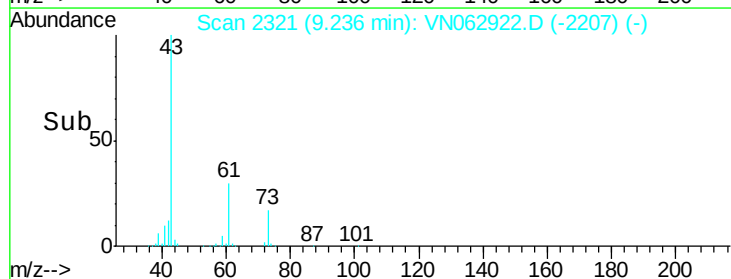
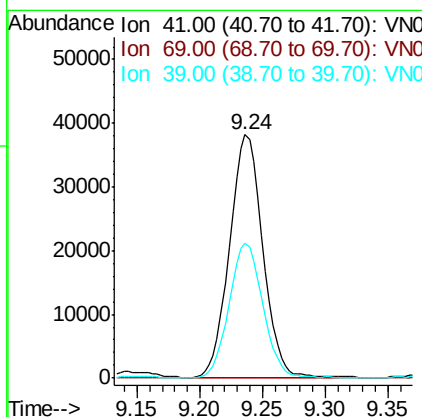
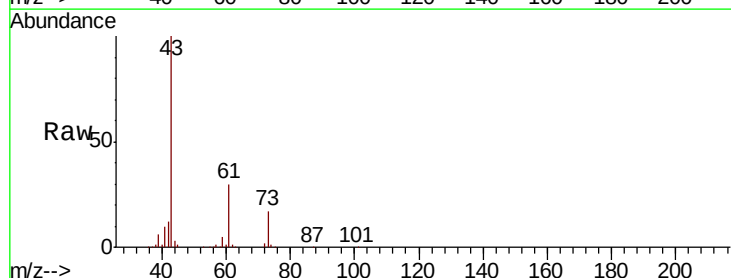
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130936ZHE#05

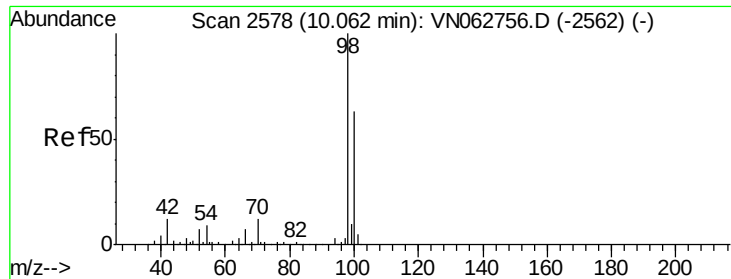
Tot Ion: 63 Resp: 838
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.5 35.3#



#48
 Methyl methacrylate
 Concen: 37.909 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.07 min
 Lab File: VN062922.D
 Acq: 13 Aug 2020 20:07

Tgt Ion: 41 Resp: 70691
 Ion Ratio Lower Upper
 41 100
 69 0.0 67.4 101.2#
 39 55.8 47.6 71.4

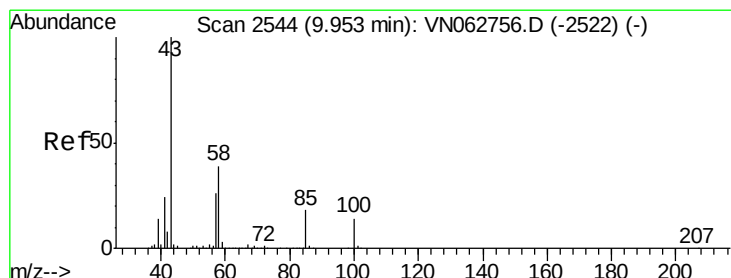
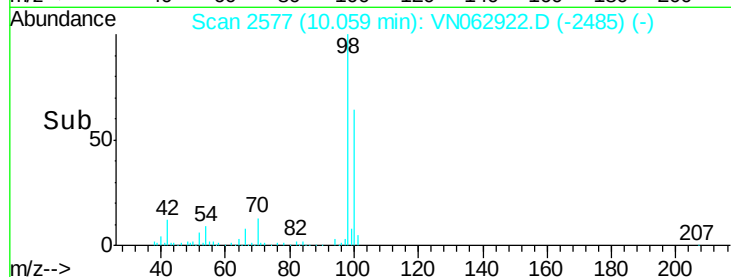
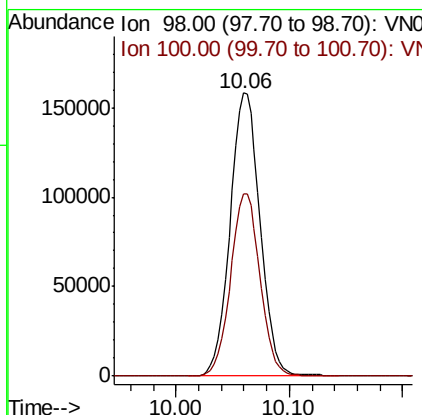
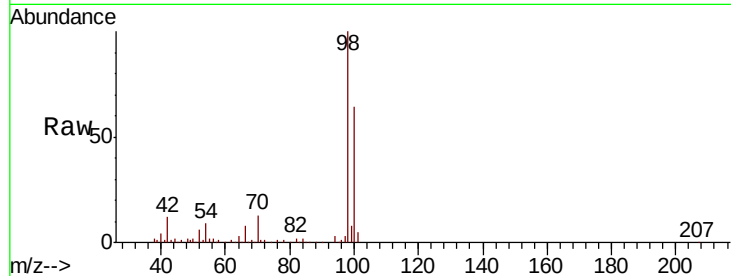




#50
Toluene-d8
Concen: 48.876 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062922.D
Acq: 13 Aug 2020 20:07

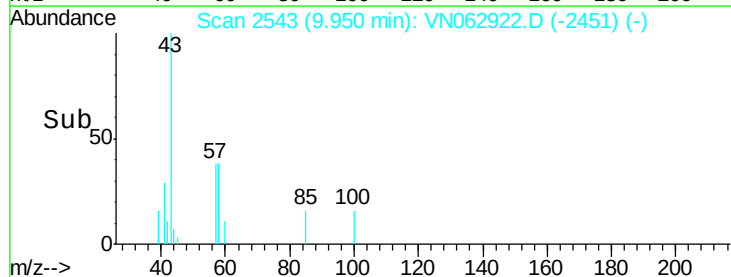
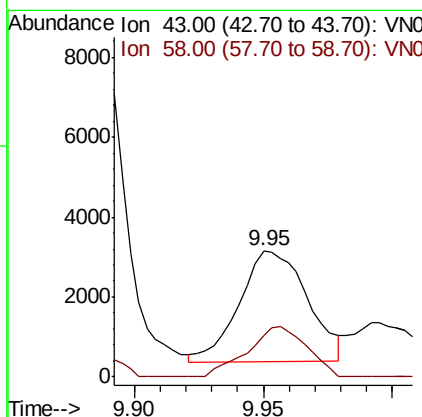
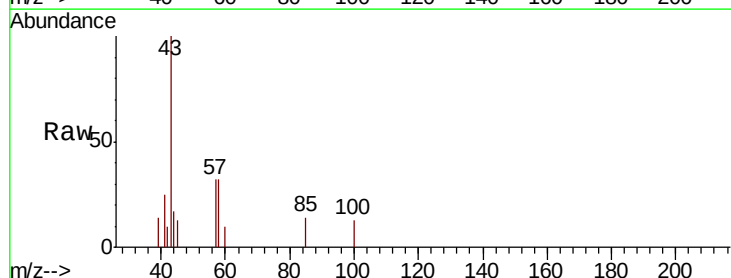
Instrument :
MSVOA_N
ClientSampleId :
PB130936ZHE#05

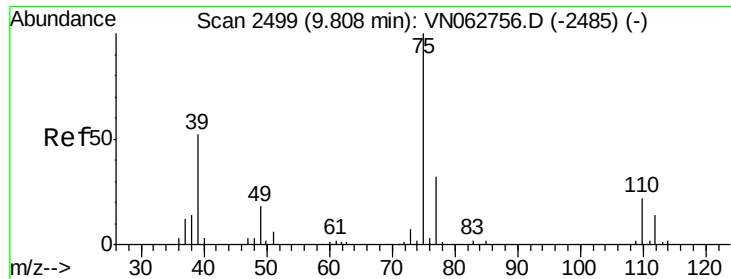
Tot Ion: 98 Resp: 291686
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 2.076 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062922.D
Acq: 13 Aug 2020 20:07

Tgt Ion: 43 Resp: 5092
Ion Ratio Lower Upper
43 100
58 39.7 31.1 46.7

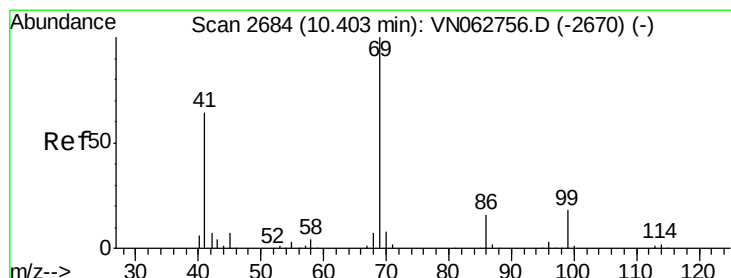
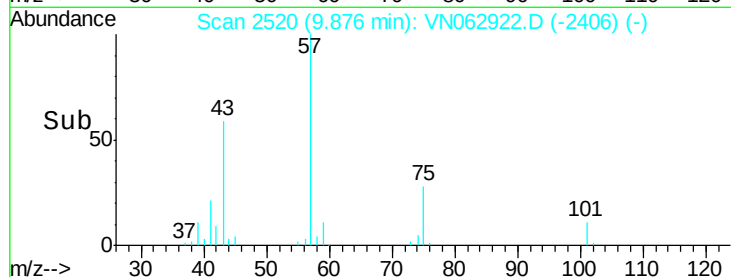
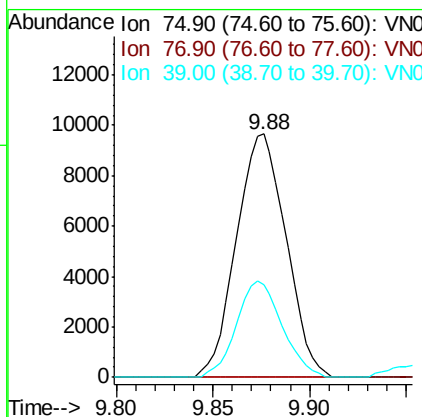
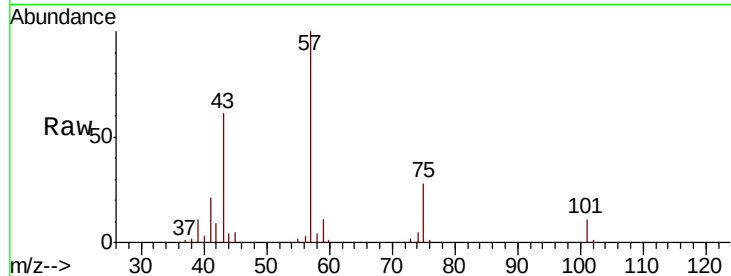




#54
 cis-1,3-Dichloropropene
 Concen: 6.034 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062922.D
 Acq: 13 Aug 2020 20:07

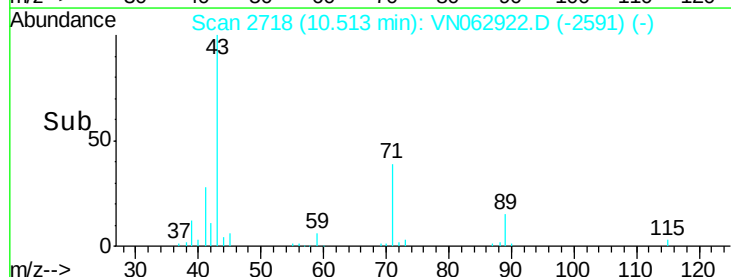
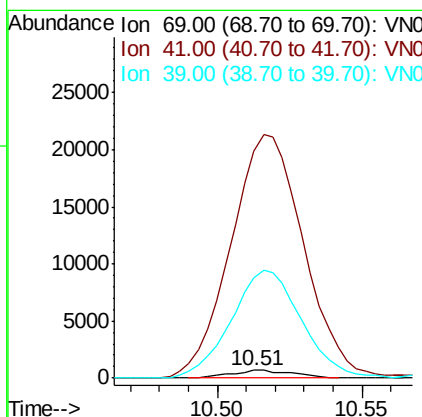
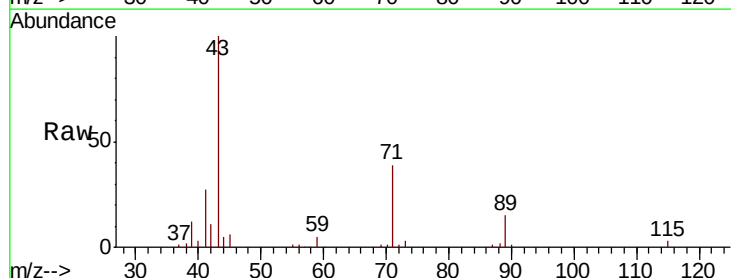
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130936ZHE#05

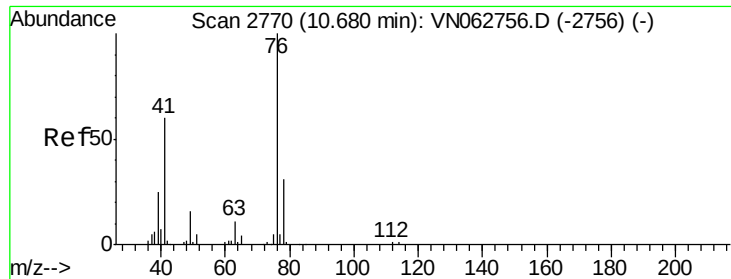
Tot Ion: 75 Resp: 17233
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 38.1 41.9 62.9#



#56
 Ethyl methacrylate
 Concen: 0.398 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. 0.11 min
 Lab File: VN062922.D
 Acq: 13 Aug 2020 20:07

Tgt Ion: 69 Resp: 1026
 Ion Ratio Lower Upper
 69 100
 41 3638.7 52.2 78.2#
 39 1551.6 30.9 46.3#





#57

1,3-Dichloropropane

Concen: 1.115 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN062922.D

Acq: 13 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

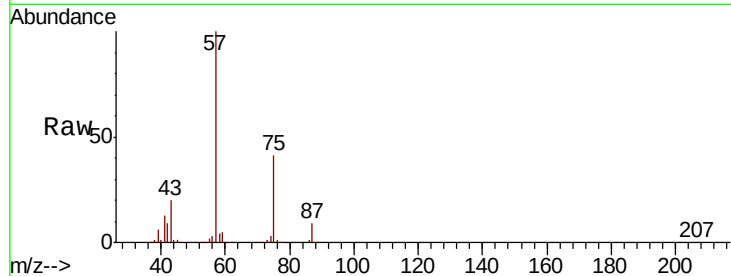
PB130936ZHE#05

Tot Ion: 76 Resp: 3245

Ion Ratio Lower Upper

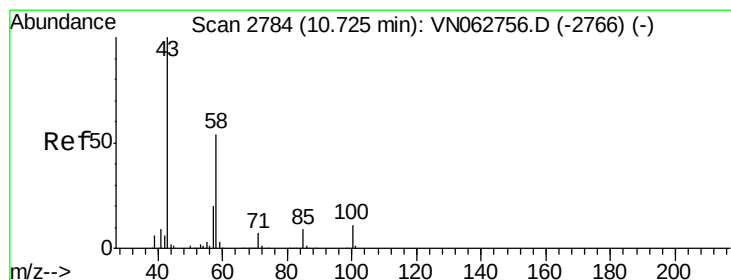
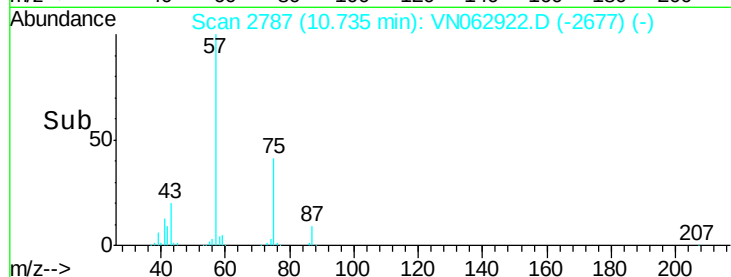
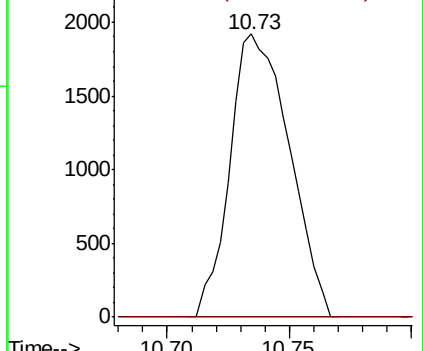
76 100

78 0.0 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 24.614 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.01 min

Lab File: VN062922.D

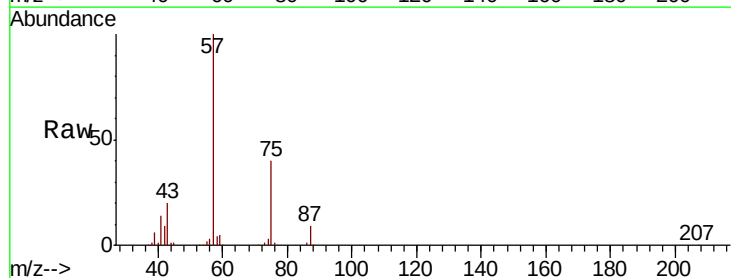
Acq: 13 Aug 2020 20:07

Tgt Ion: 43 Resp: 45038

Ion Ratio Lower Upper

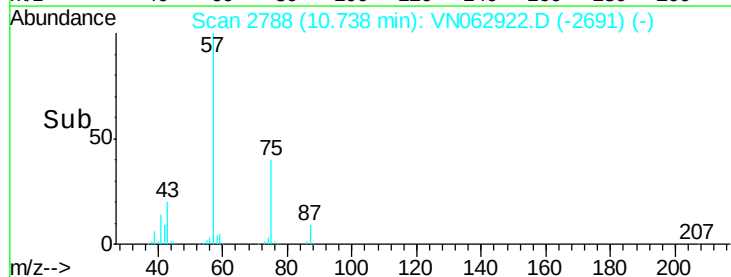
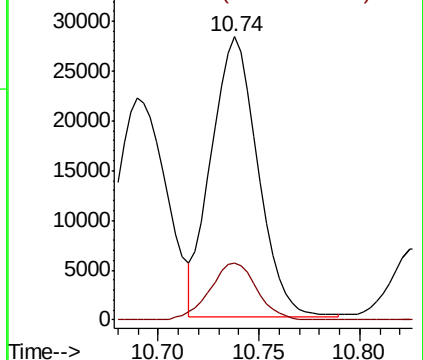
43 100

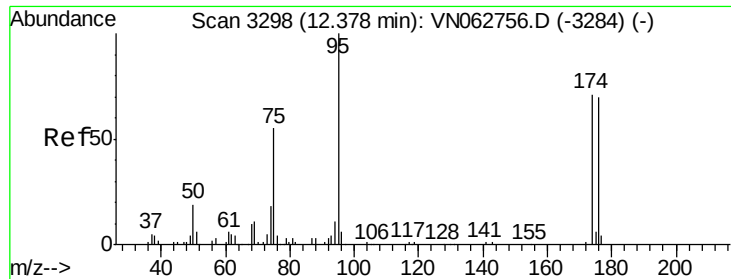
58 20.4 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.040 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062922.D

Acq: 13 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

PB130936ZHE#05

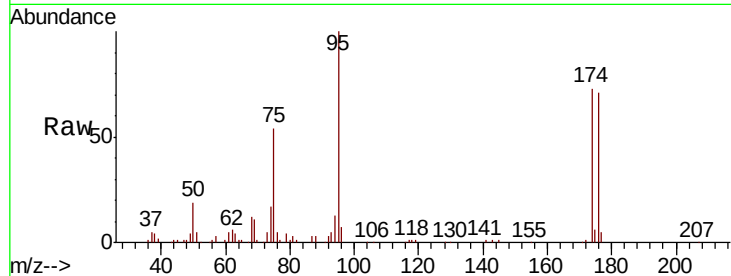
Tot Ion: 95 Resp: 112853

Ion Ratio Lower Upper

95 100

174 74.1 0.0 144.8

176 70.0 0.0 142.2

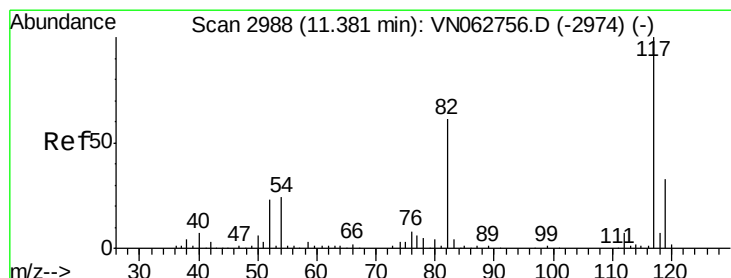
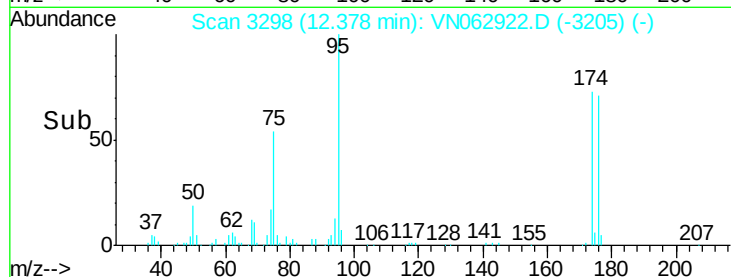


Abundance Ion 94.90 (94.60 to 95.60): VN062922.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062922.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062922.D (-3205) (-)

Time--> 12.30 12.35 12.40 12.45



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062922.D

Acq: 13 Aug 2020 20:07

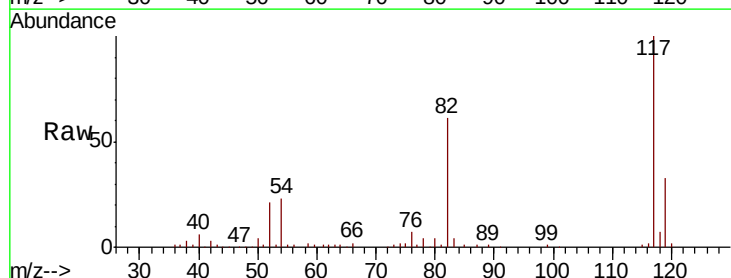
Tgt Ion: 117 Resp: 230744

Ion Ratio Lower Upper

117 100

82 61.2 49.0 73.4

119 32.8 26.2 39.2

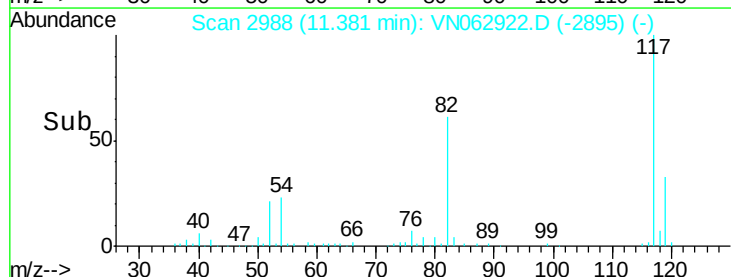


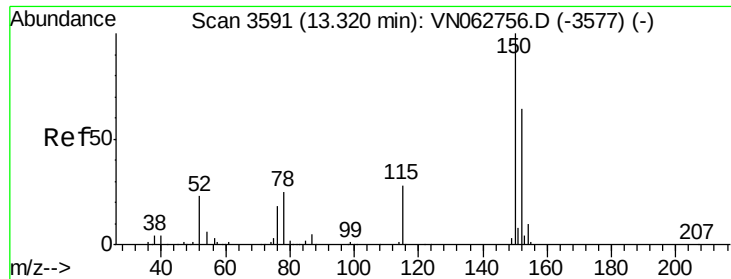
Abundance Ion 116.90 (116.60 to 117.60): VN062922.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062922.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062922.D (-2895) (-)

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062922.D

Acq: 13 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

PB130936ZHE#05

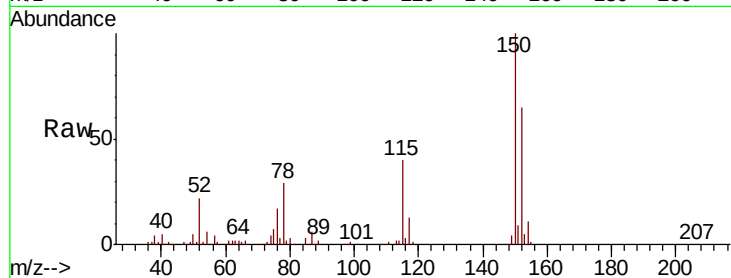
Tot Ion:152 Resp: 92618

Ion Ratio Lower Upper

152 100

115 62.9 31.6 94.8

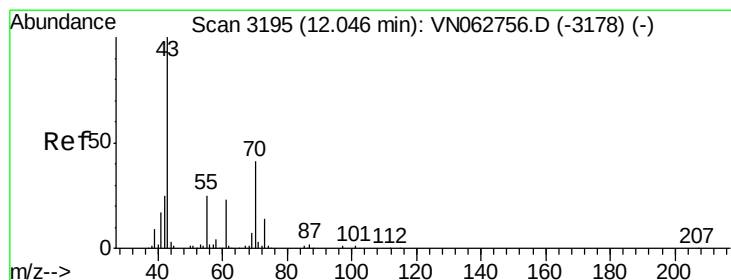
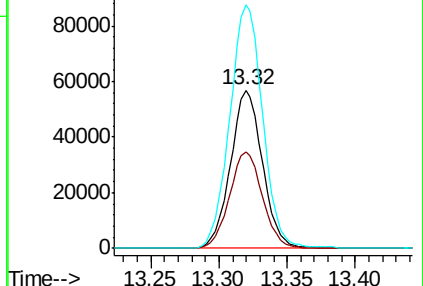
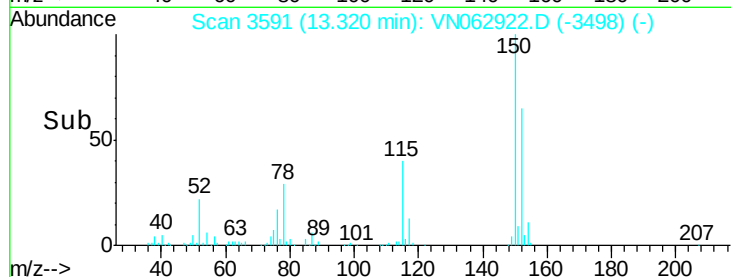
150 158.4 0.0 349.2



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: 0.501 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062922.D

Acq: 13 Aug 2020 20:07

Tgt Ion: 43 Resp: 1416

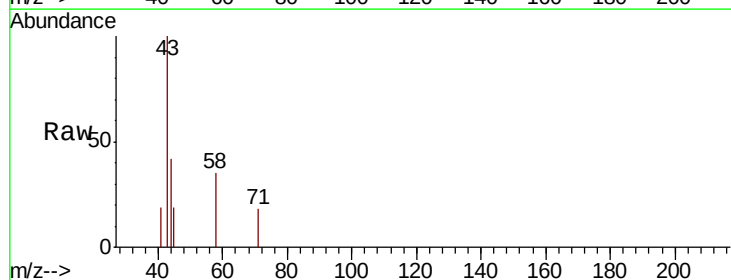
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#

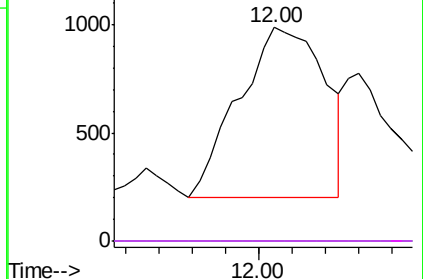
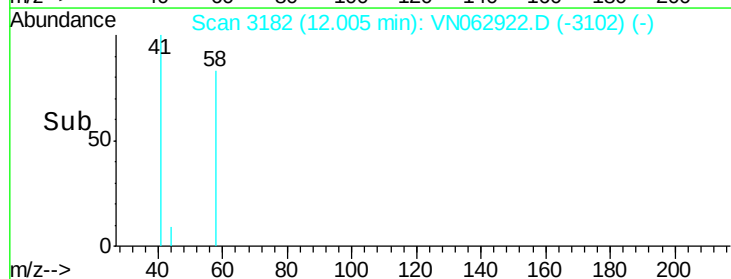


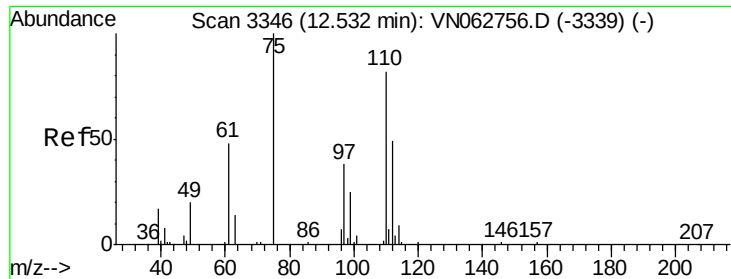
Abundance Ion 43.00 (42.70 to 43.70): V

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

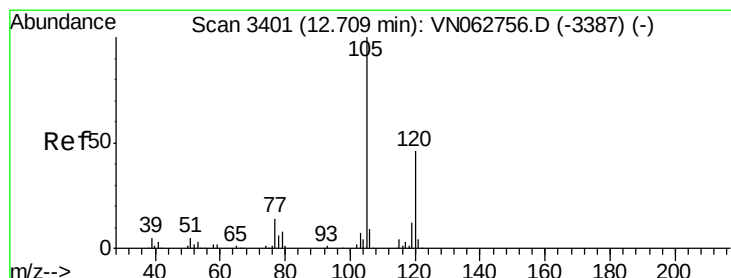
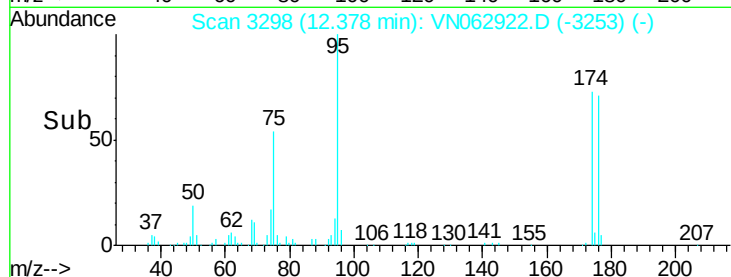
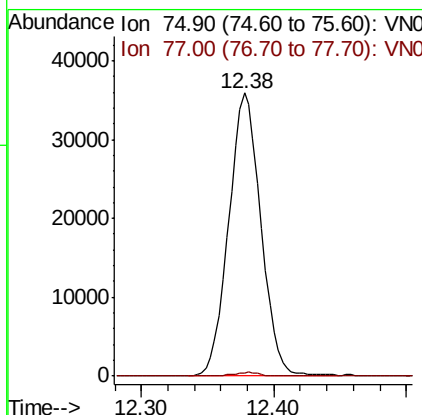
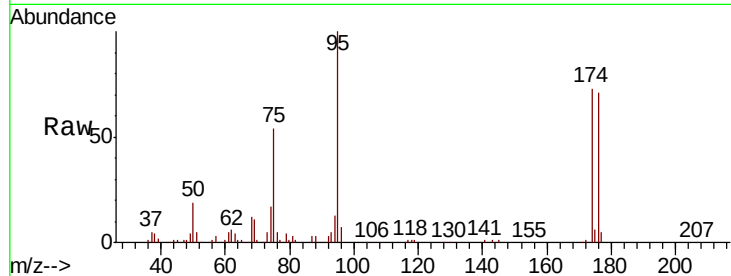




#76
 1,2,3-Trichloropropane
 Concen: 24.197 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062922.D
 Acq: 13 Aug 2020 20:07

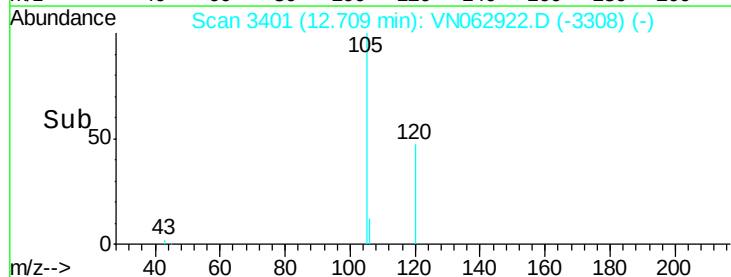
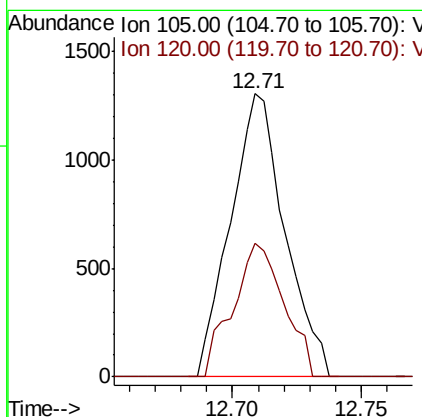
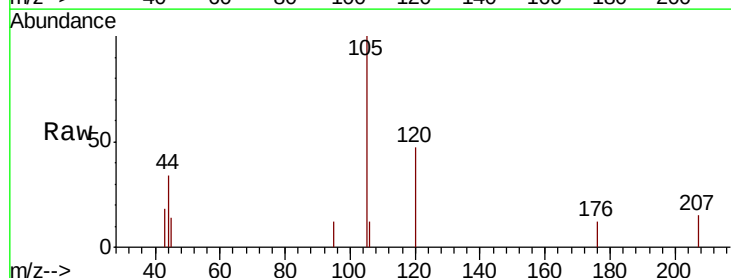
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130936ZHE#05

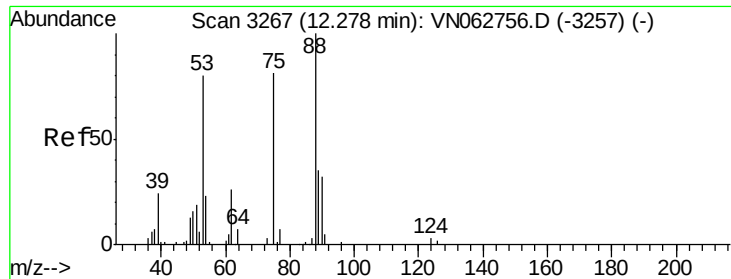
Tot Ion: 75 Resp: 60439
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.317 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062922.D
 Acq: 13 Aug 2020 20:07

Tgt Ion: 105 Resp: 1917
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 73.866 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062922.D

Acq: 13 Aug 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

PB130936ZHE#05

Tot Ion: 75 Resp: 60439

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#

