

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080071.D
 Acq On : 13 Nov 2023 17:06
 Operator : JC\MD
 Sample : PB157075ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#12

Quant Time: Nov 14 19:25:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

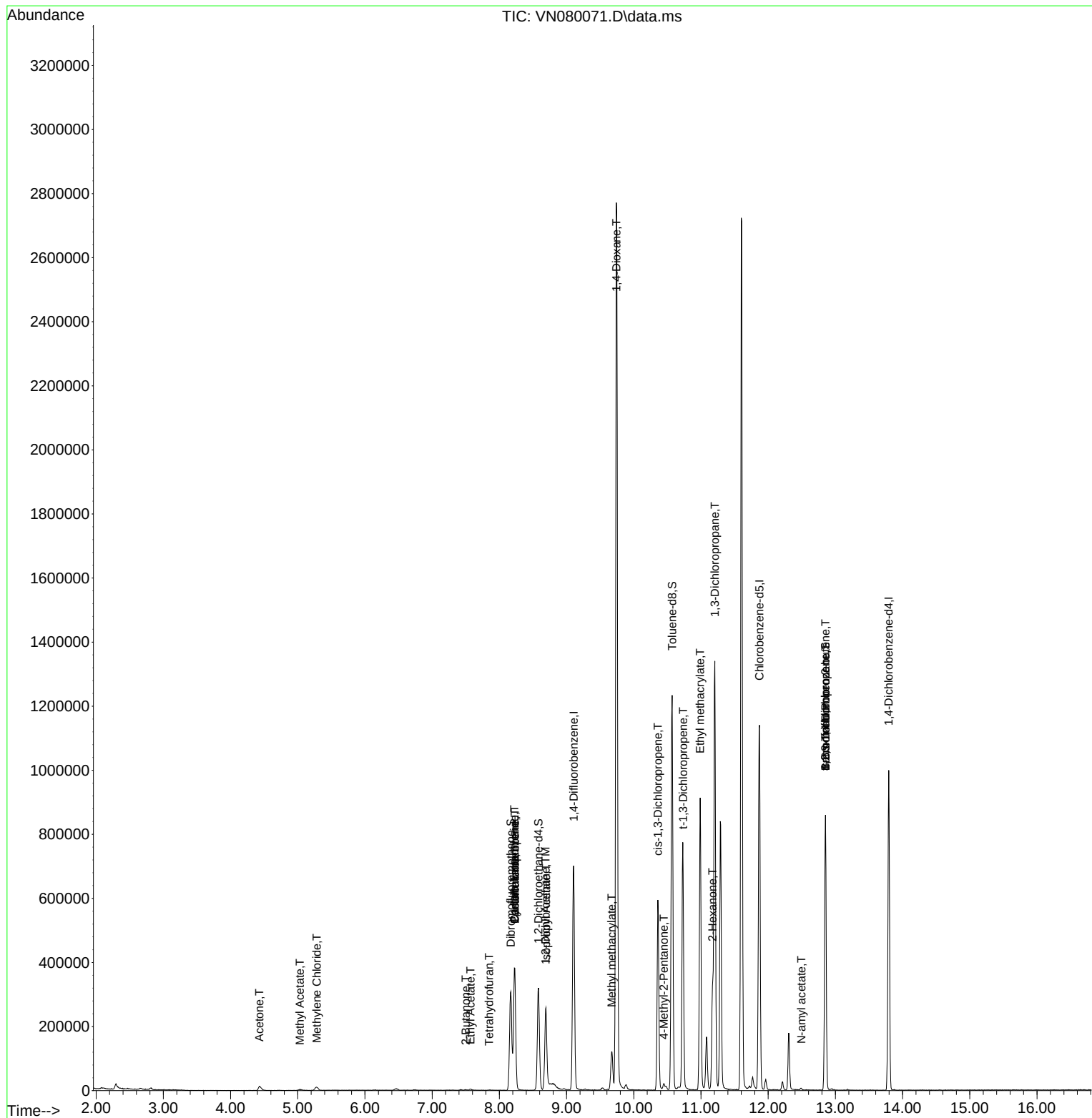
Internal Standards						
1) Pentafluorobenzene	8.230	168	270617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	586766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	672151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	258065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	261309	63.379	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 126.760%#			
35) Dibromofluoromethane	8.171	113	225522	54.305	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.600%			
50) Toluene-d8	10.571	98	846465	55.367	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.740%			
62) 4-Bromofluorobenzene	12.853	95	296037	58.386	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.780%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	973	Below Cal		89
16) Acetone	4.430	43	26593	18.362	ug/l	90
18) Methyl Acetate	5.030	43	6364	0.918	ug/l #	70
20) Methylene Chloride	5.283	84	9124	2.497	ug/l #	71
25) 2-Butanone	7.500	43	3151	1.486	ug/l #	74
29) Tetrahydrofuran	7.847	42	725	0.525	ug/l #	33
31) Cyclohexane	8.230	56	6682	1.226	ug/l #	17
36) 1,1-Dichloropropene	8.230	75	24610	4.150	ug/l #	47
37) Ethyl Acetate	7.571	43	6661	1.225	ug/l #	85
38) Carbon Tetrachloride	8.224	117	29776	4.983	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	2058	0.332	ug/l #	73
43) Isopropyl Acetate	8.694	43	293940	30.821	ug/l #	80
48) Methyl methacrylate	9.671	41	8027	1.922	ug/l #	28
49) 1,4-Dioxane	9.741	88	297	4.024	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	11520	2.146	ug/l	96
53) t-1,3-Dichloropropene	10.735	75	2188	0.338	ug/l	94
54) cis-1,3-Dichloropropene	10.359	75	104475	14.793	ug/l #	73
56) Ethyl methacrylate	10.988	69	4551	0.753	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	13852	1.856	ug/l #	42
59) 2-Hexanone	11.171	43	254270	61.905	ug/l #	19
71) Bromoform	12.853	173	1785	0.479	ug/l #	1
74) N-amyl acetate	12.494	43	2481	0.290	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	156185	25.779	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	156185	70.139	ug/l #	15

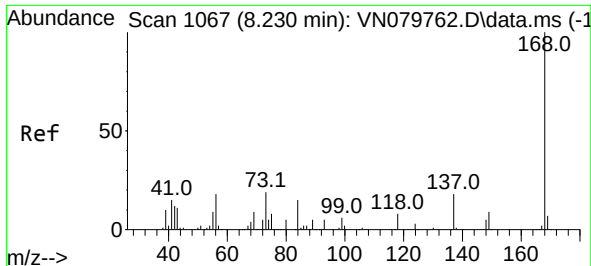
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 14 19:25:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration

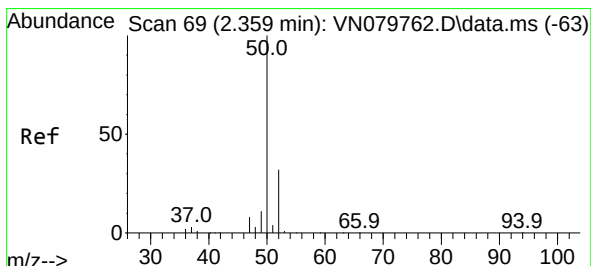
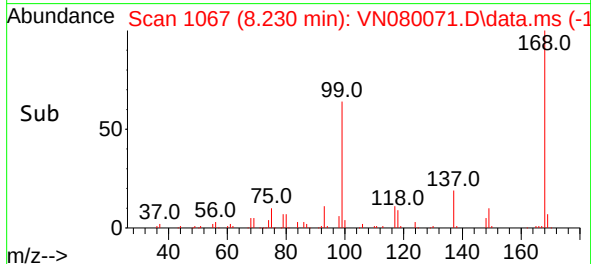
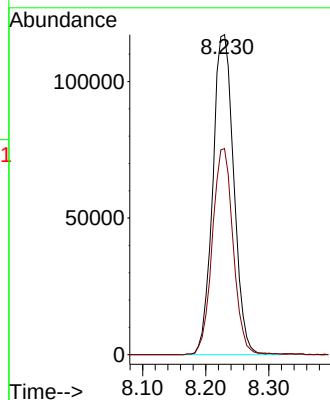
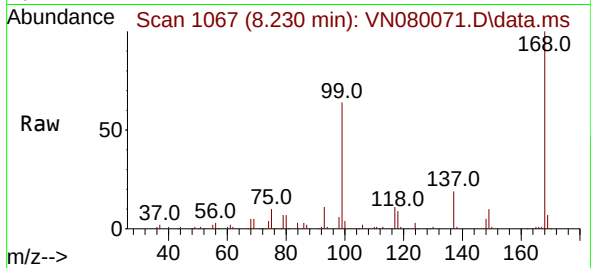




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

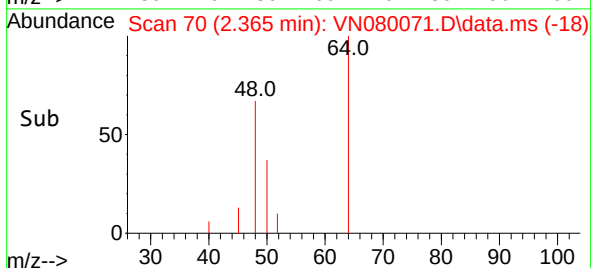
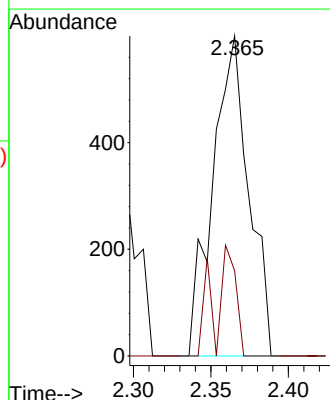
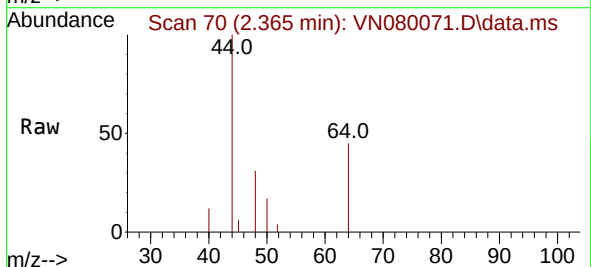
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#12

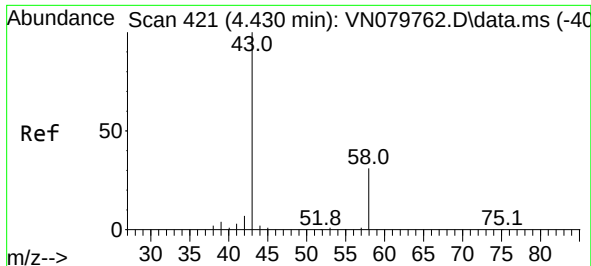
Tgt Ion:168 Resp: 270617
Ion Ratio Lower Upper
168 100
99 64.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

Tgt Ion: 50 Resp: 973
Ion Ratio Lower Upper
50 100
52 26.7 26.5 39.7

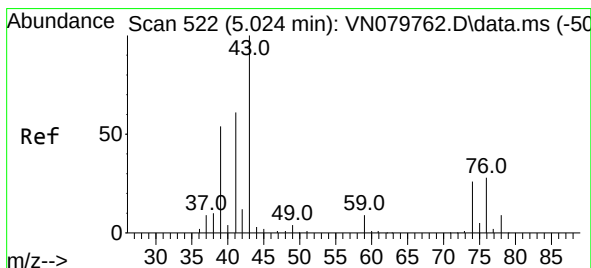
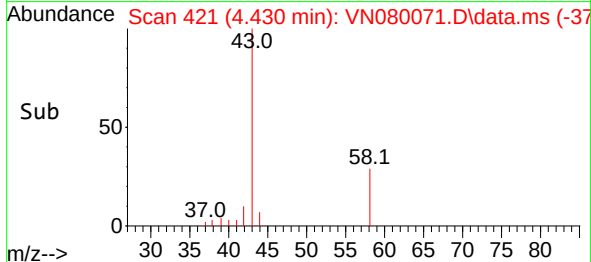
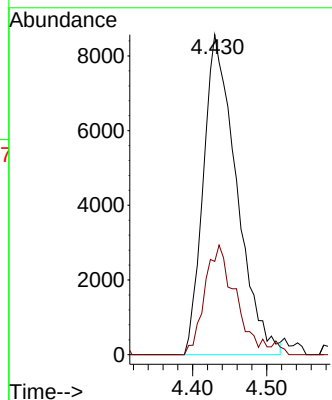
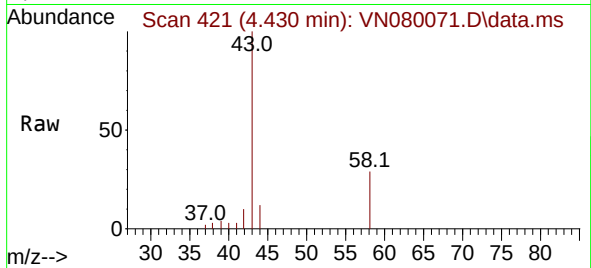




#16
Acetone
Concen: 18.362 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

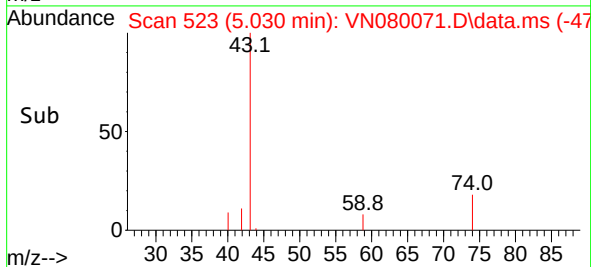
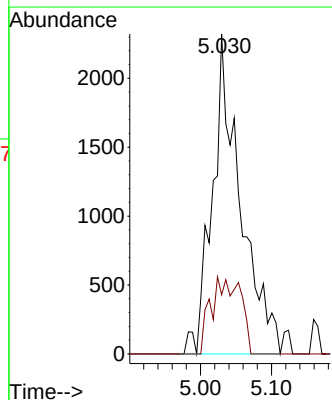
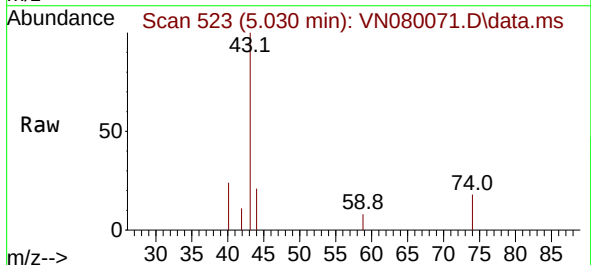
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#12

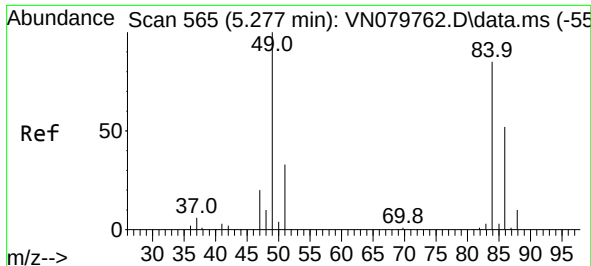
Tgt Ion: 43 Resp: 26593
Ion Ratio Lower Upper
43 100
58 29.1 28.0 42.0



#18
Methyl Acetate
Concen: 0.918 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

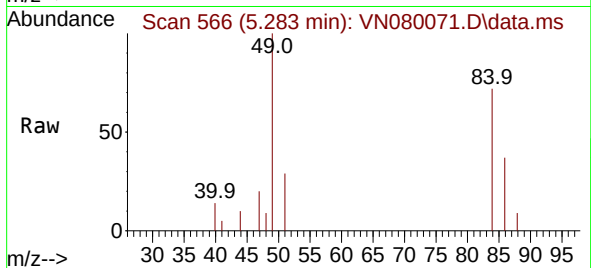
Tgt Ion: 43 Resp: 6364
Ion Ratio Lower Upper
43 100
74 16.2 26.2 39.4#



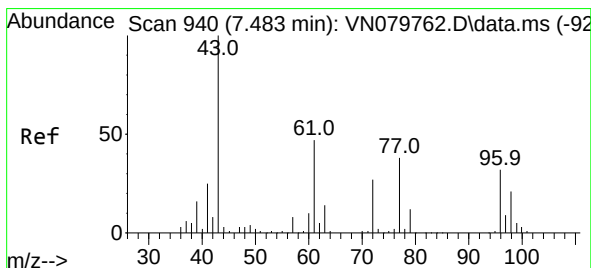
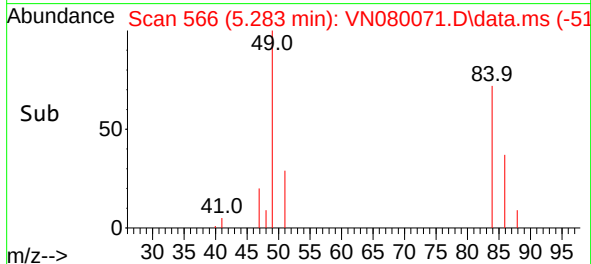
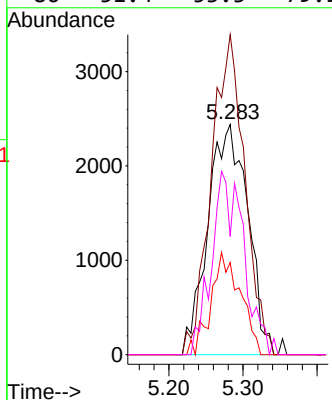


#20
Methylene Chloride
Concen: 2.497 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#12

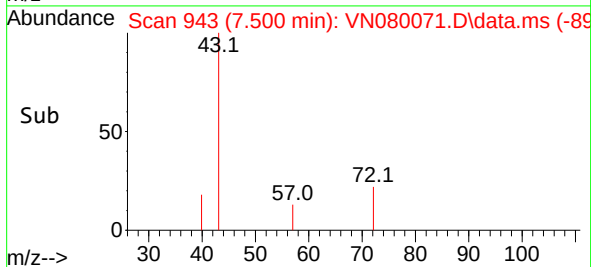
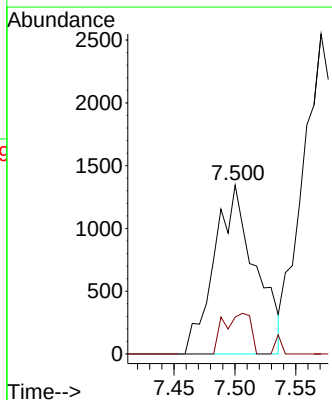
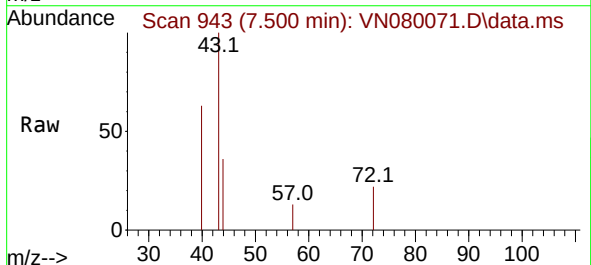


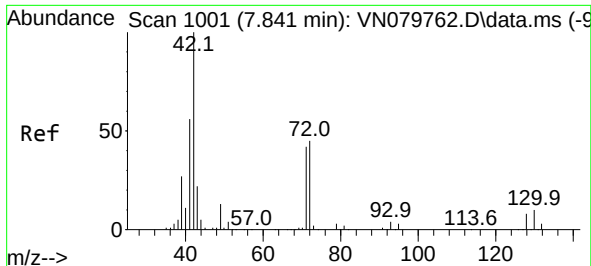
Tgt Ion:	84	Resp:	9124
Ion	Ratio	Lower	Upper
84	100		
49	139.0	79.7	119.5#
51	40.0	25.2	37.8#
86	51.4	53.3	79.9#



#25
2-Butanone
Concen: 1.486 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

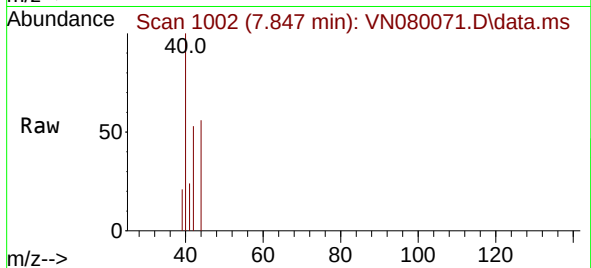
Tgt Ion:	43	Resp:	3151
Ion	Ratio	Lower	Upper
43	100		
72	21.8	30.2	45.2#



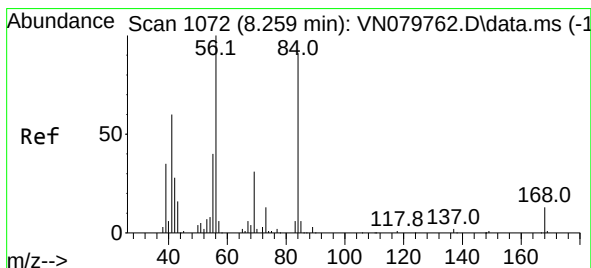
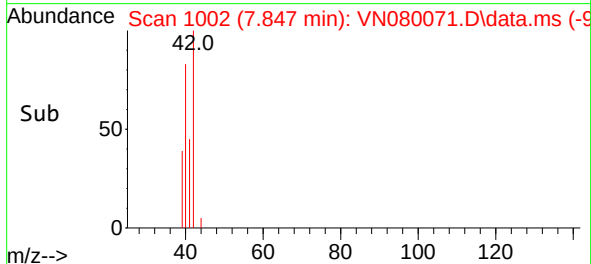
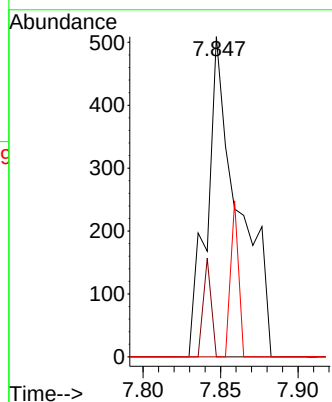


#29
Tetrahydrofuran
Concen: 0.525 ug/l
RT: 7.847 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#12

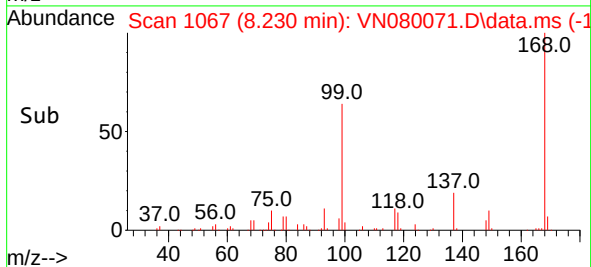
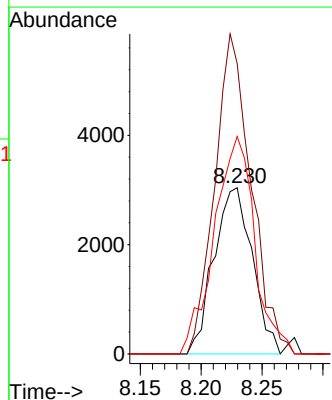
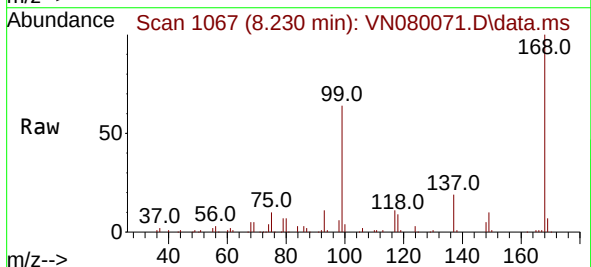


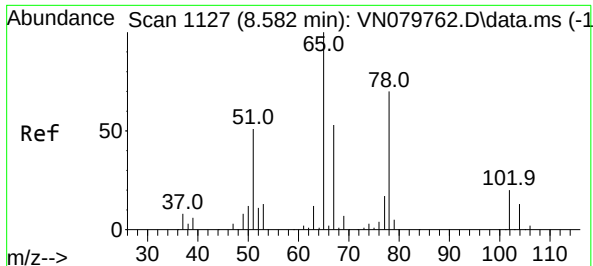
Tgt Ion: 42 Resp: 725
Ion Ratio Lower Upper
42 100
72 7.6 49.8 74.6#
71 12.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.226 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

Tgt Ion: 56 Resp: 6682
Ion Ratio Lower Upper
56 100
69 174.8 26.8 40.2#
84 130.8 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 63.379 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080071.D

Acq: 13 Nov 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

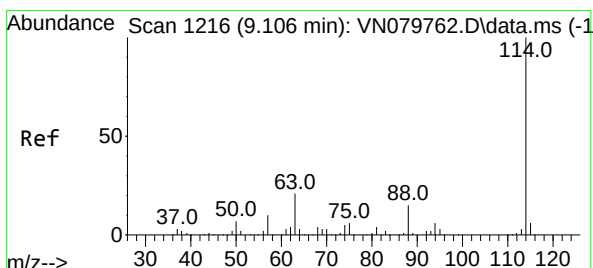
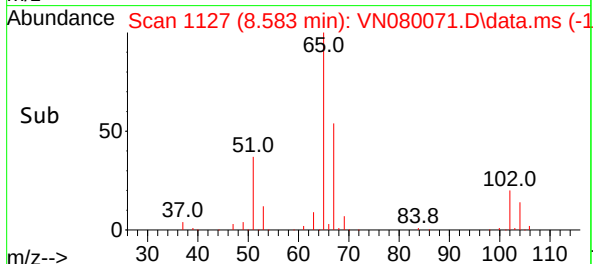
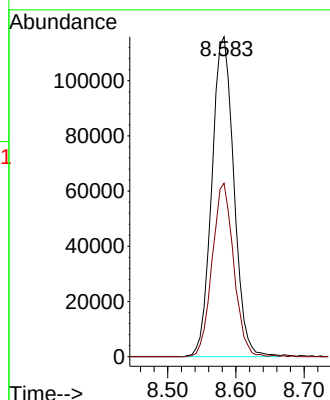
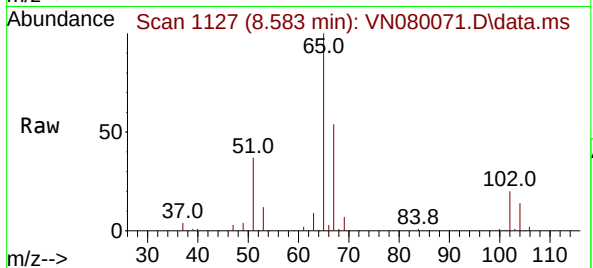
PB157075ZHE#12

Tgt Ion: 65 Resp: 261309

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN080071.D

Acq: 13 Nov 2023 17:06

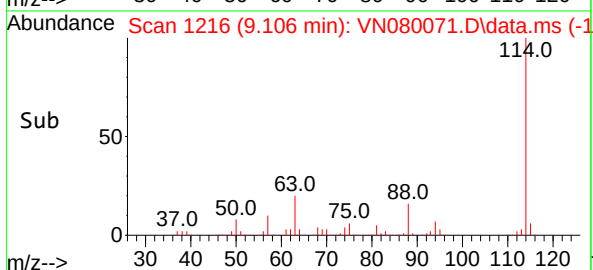
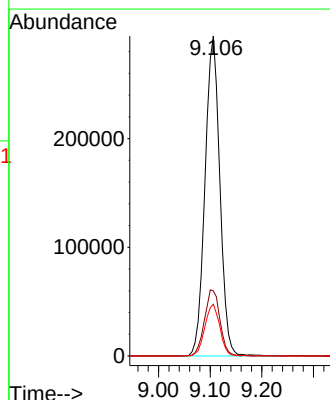
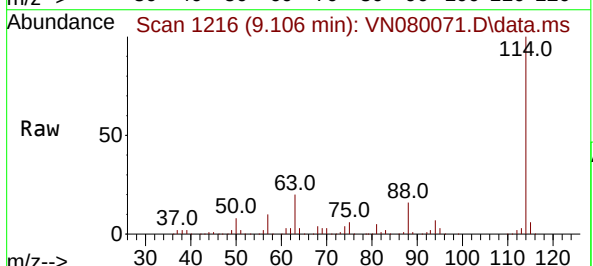
Tgt Ion: 114 Resp: 586766

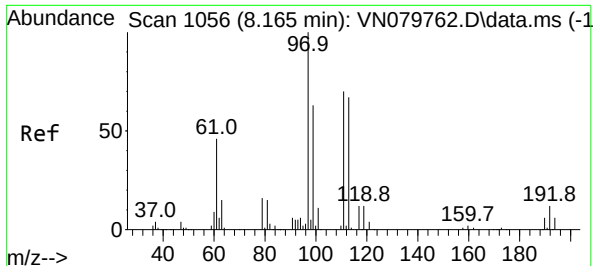
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.305 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080071.D

Acq: 13 Nov 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#12

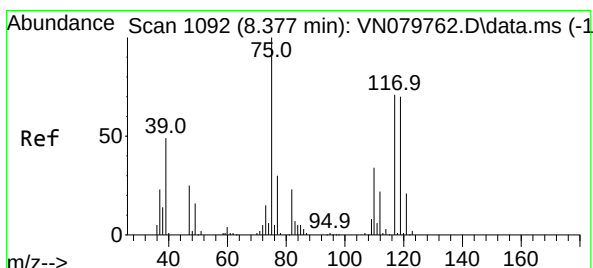
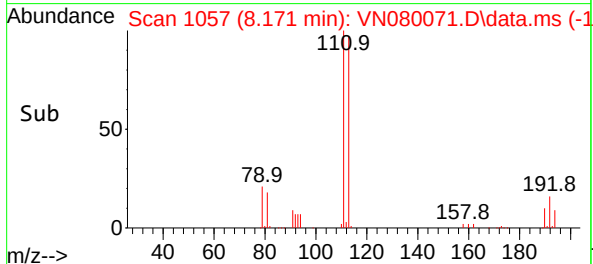
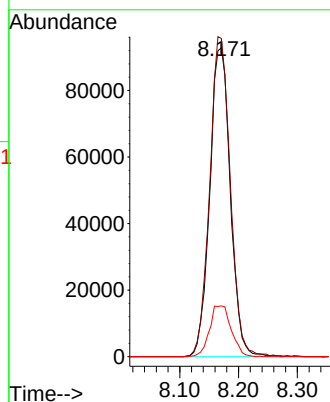
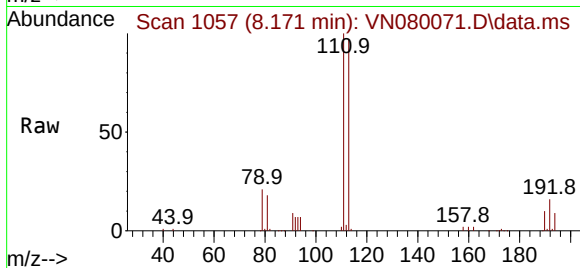
Tgt Ion:113 Resp: 225522

Ion Ratio Lower Upper

113 100

111 104.2 82.6 123.8

192 17.4 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.150 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN080071.D

Acq: 13 Nov 2023 17:06

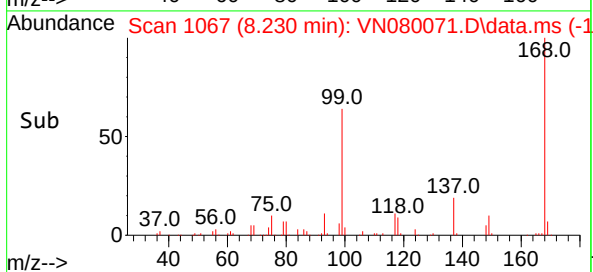
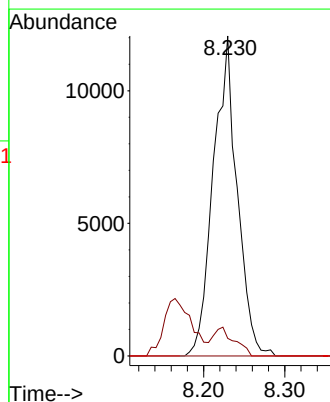
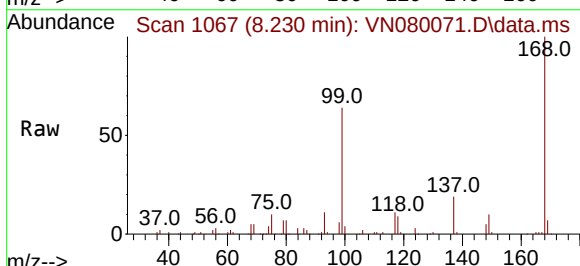
Tgt Ion: 75 Resp: 24610

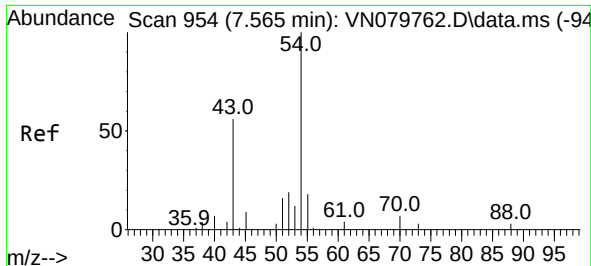
Ion Ratio Lower Upper

75 100

110 7.7 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.225 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN080071.D

Acq: 13 Nov 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#12

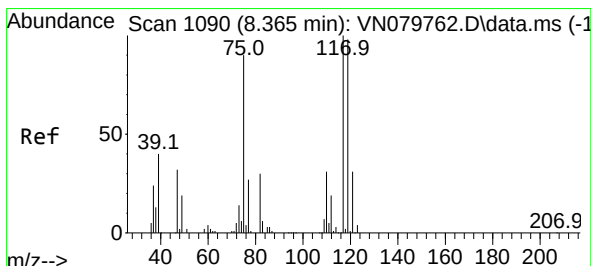
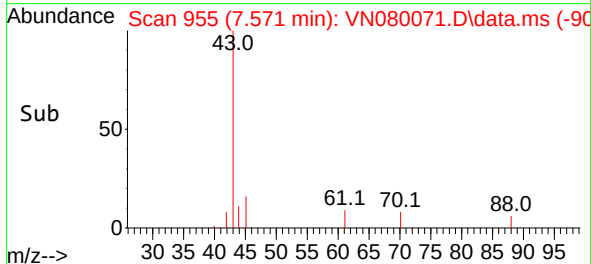
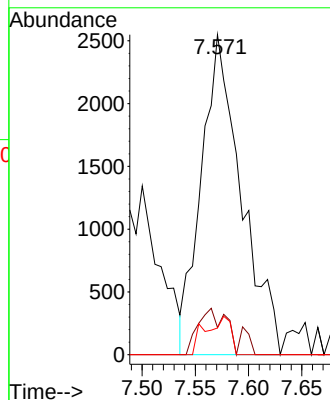
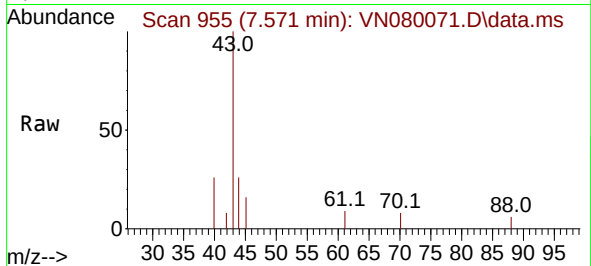
Tgt Ion: 43 Resp: 6661

Ion Ratio Lower Upper

43 100

61 10.1 13.2 19.8#

70 7.5 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.983 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN080071.D

Acq: 13 Nov 2023 17:06

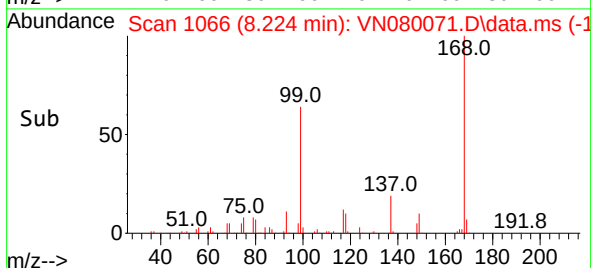
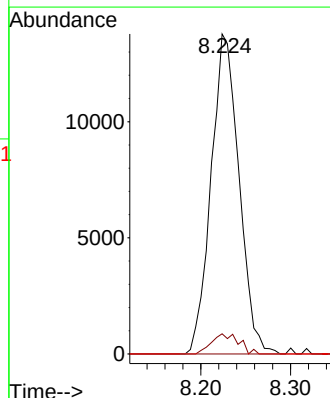
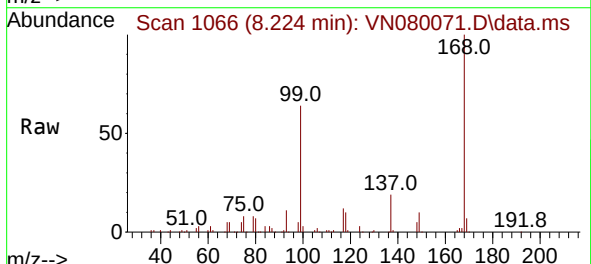
Tgt Ion: 117 Resp: 29776

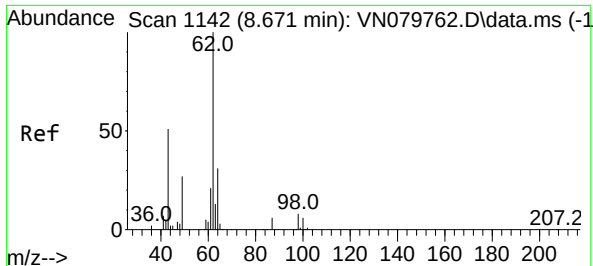
Ion Ratio Lower Upper

117 100

119 6.3 77.3 115.9#

121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.332 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN080071.D

Acq: 13 Nov 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

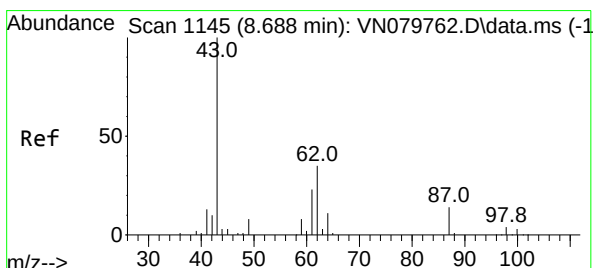
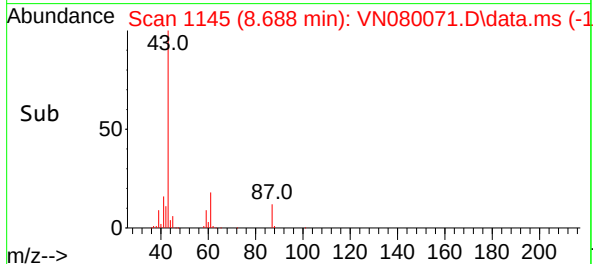
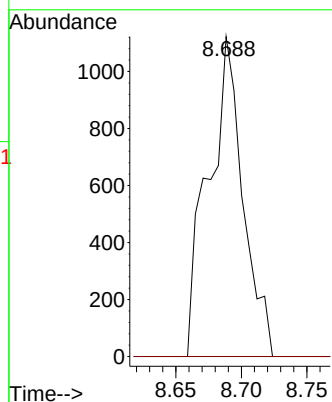
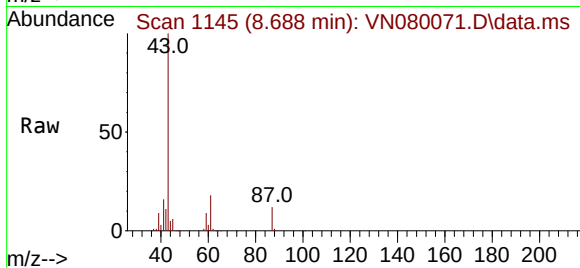
PB157075ZHE#12

Tgt Ion: 62 Resp: 2058

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 30.821 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080071.D

Acq: 13 Nov 2023 17:06

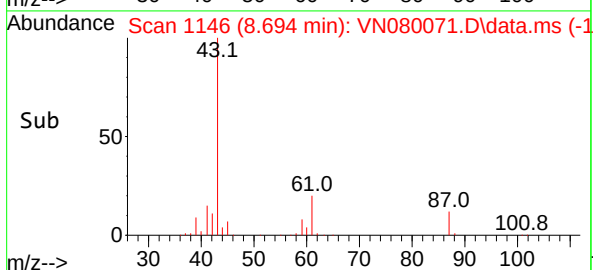
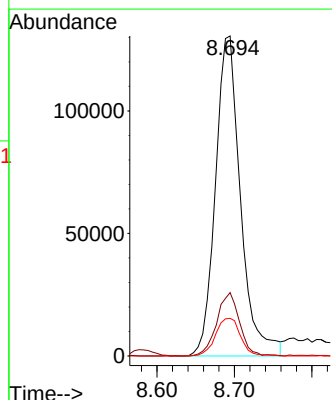
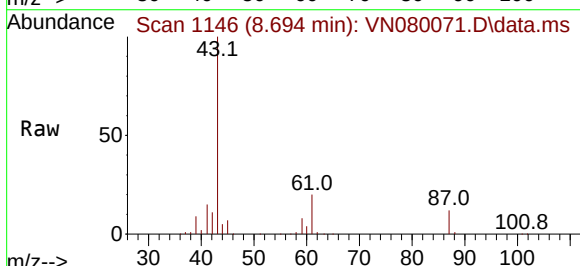
Tgt Ion: 43 Resp: 293940

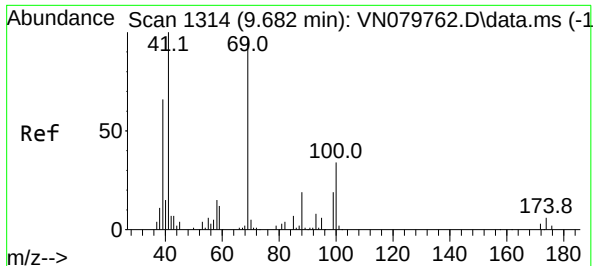
Ion Ratio Lower Upper

43 100

61 18.0 24.7 37.1#

87 11.7 14.6 21.8#





#48

Methyl methacrylate

Concen: 1.922 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN080071.D

Acq: 13 Nov 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#12

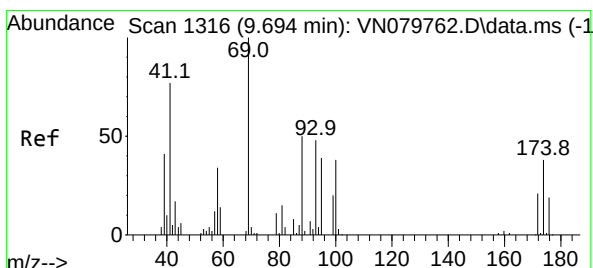
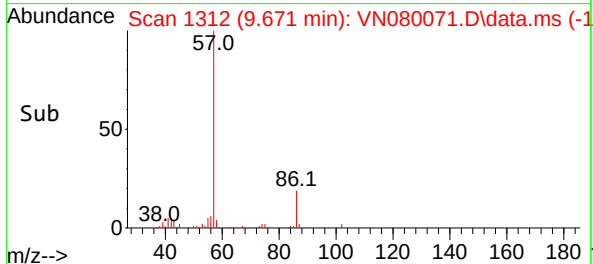
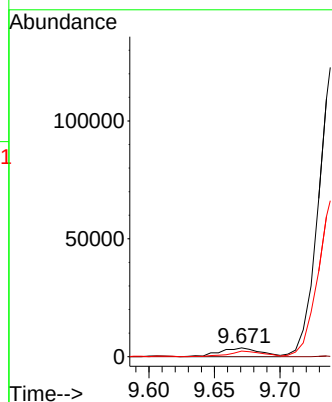
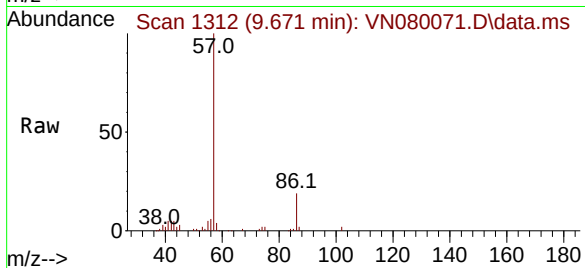
Tgt Ion: 41 Resp: 8027

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 54.2 54.6 81.8#



#49

1,4-Dioxane

Concen: 4.024 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.047 min

Lab File: VN080071.D

Acq: 13 Nov 2023 17:06

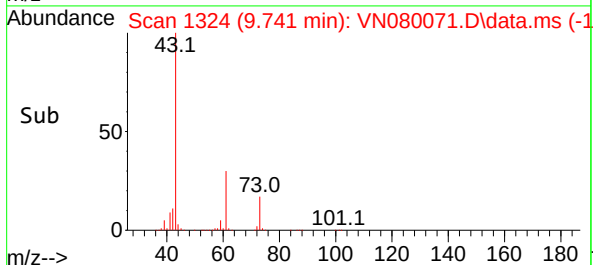
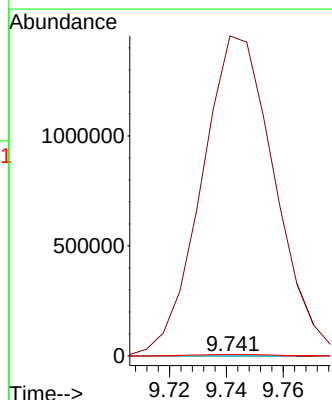
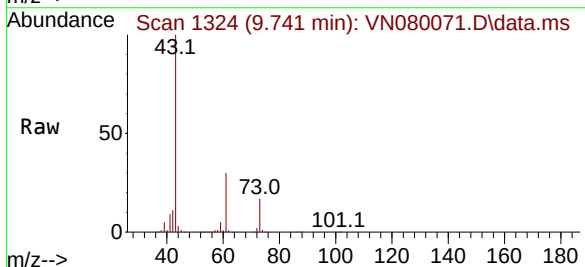
Tgt Ion: 88 Resp: 297

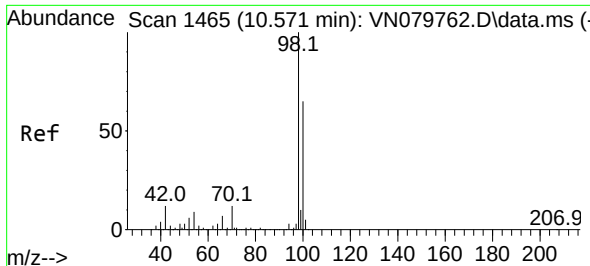
Ion Ratio Lower Upper

88 100

43 884385.5 17.0 25.6#

58 4911.1 47.0 70.4#

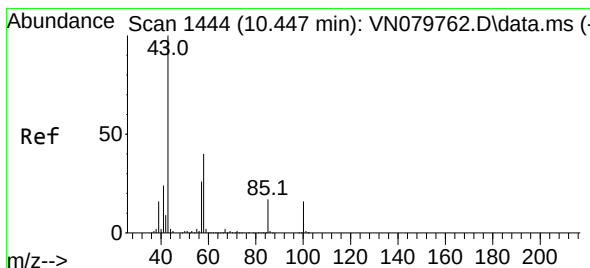
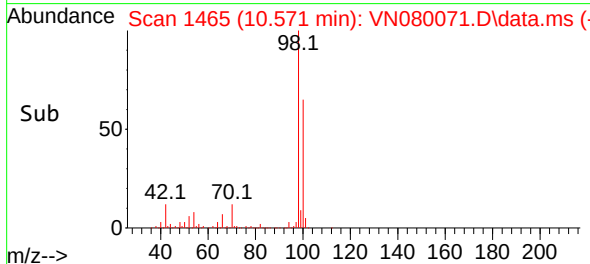
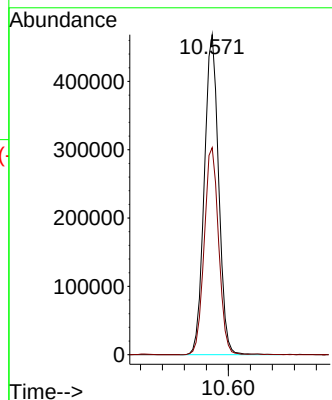
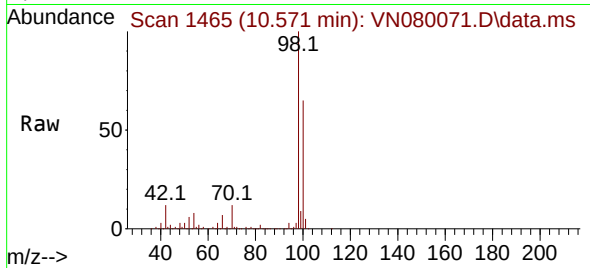




#50
Toluene-d8
Concen: 55.367 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

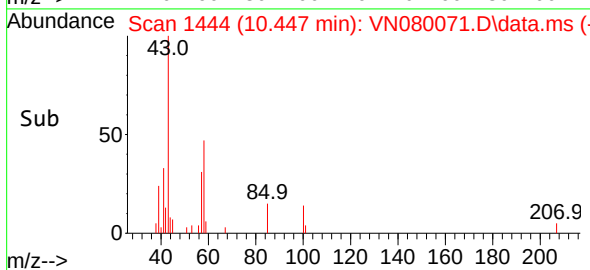
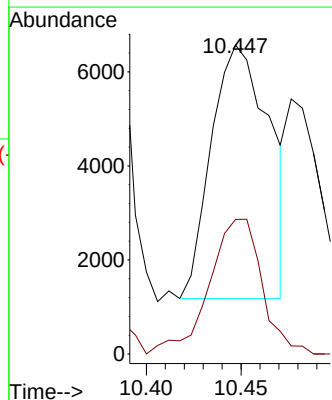
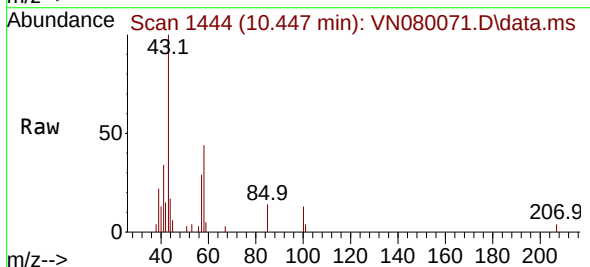
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#12

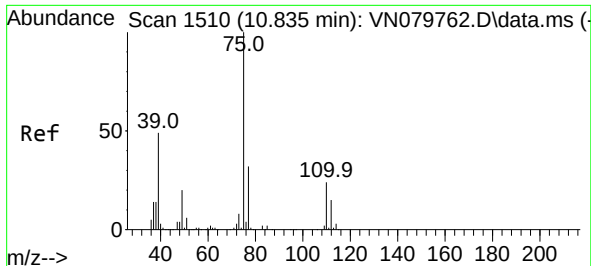
Tgt Ion: 98 Resp: 846465
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.146 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

Tgt Ion: 43 Resp: 11520
Ion Ratio Lower Upper
43 100
58 48.2 36.6 54.8

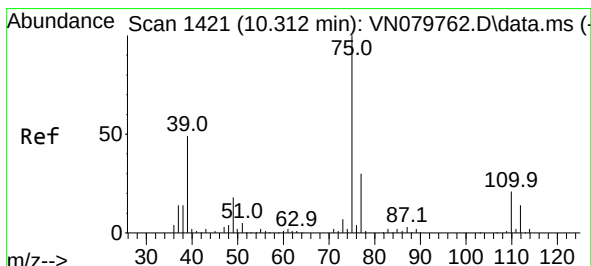
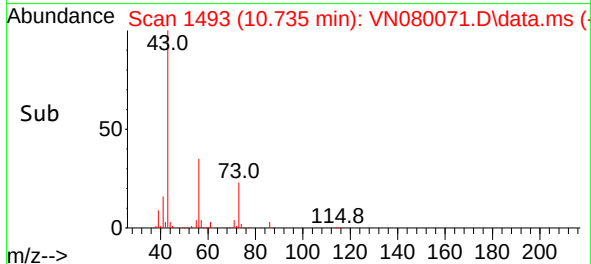
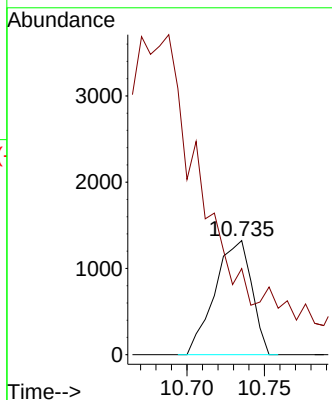
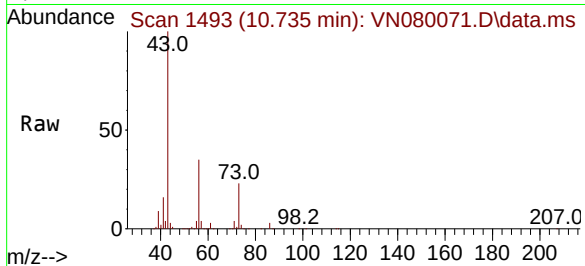




#53
 t-1,3-Dichloropropene
 Concen: 0.338 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.106 min
 Lab File: VN080071.D
 Acq: 13 Nov 2023 17:06

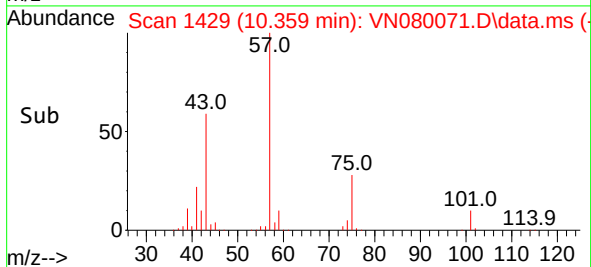
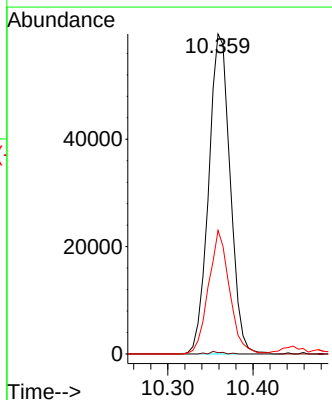
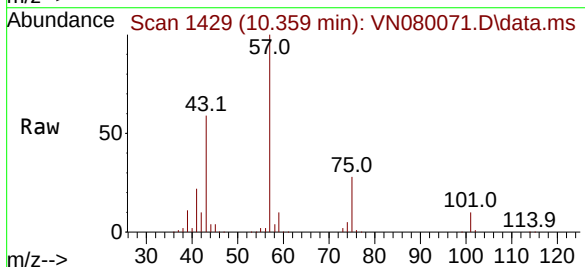
Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#12

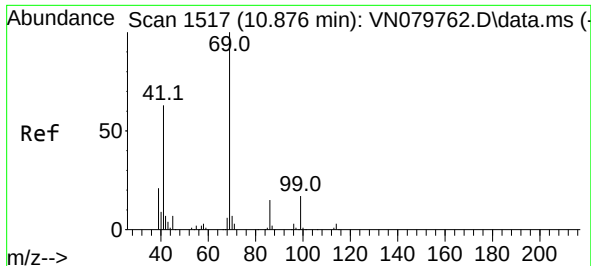
Tgt Ion: 75 Resp: 2188
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 14.793 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080071.D
 Acq: 13 Nov 2023 17:06

Tgt Ion: 75 Resp: 104475
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.1 39.1#
 39 38.6 31.6 47.4

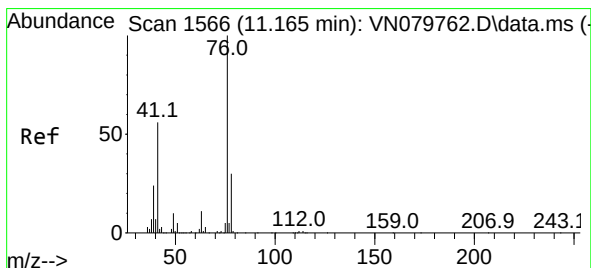
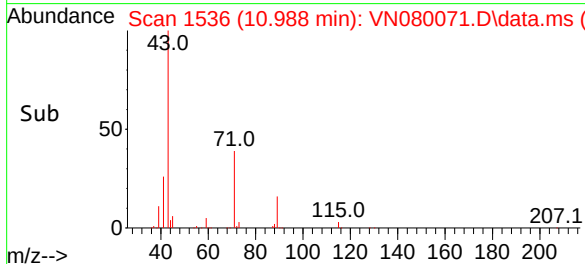
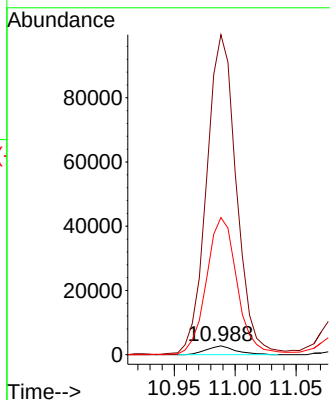
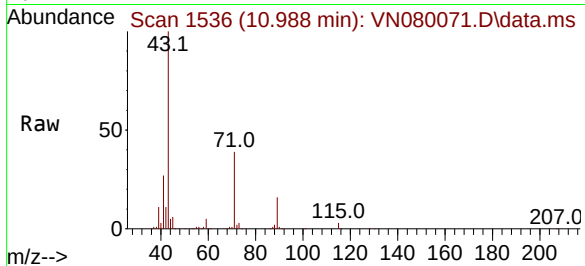




#56
Ethyl methacrylate
Concen: 0.753 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

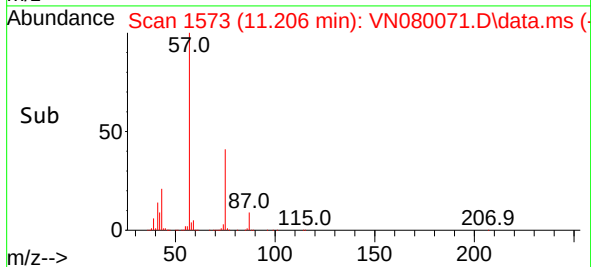
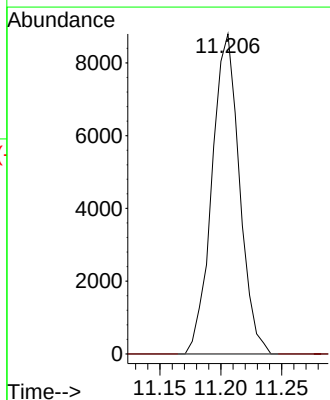
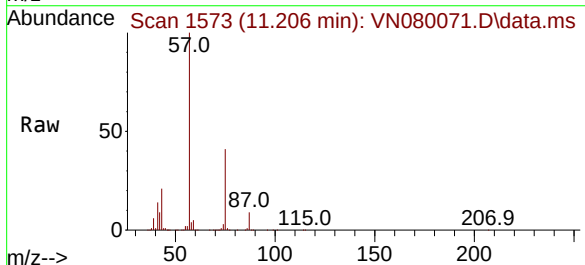
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#12

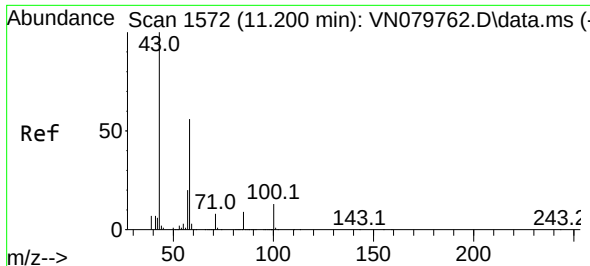
Tgt Ion: 69 Resp: 4551
Ion Ratio Lower Upper
69 100
41 3740.9 39.6 59.4#
39 1657.2 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.856 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

Tgt Ion: 76 Resp: 13852
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

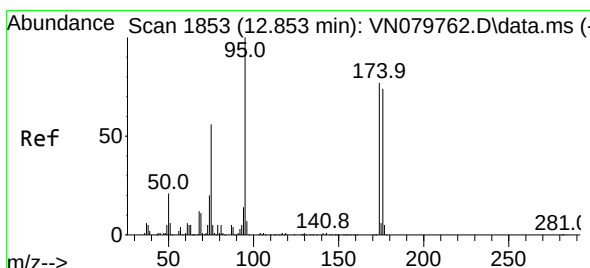
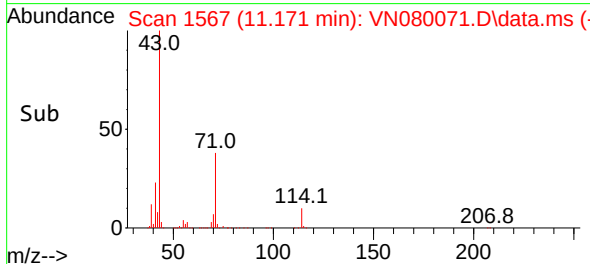
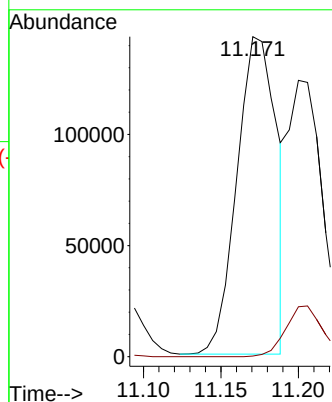
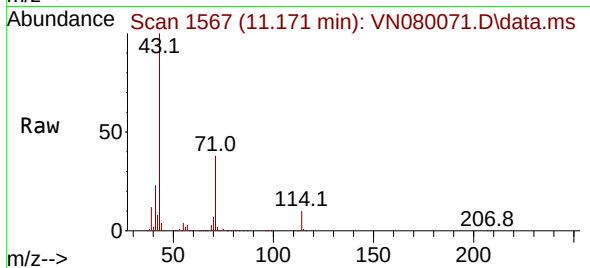




#59
2-Hexanone
Concen: 61.905 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.029 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

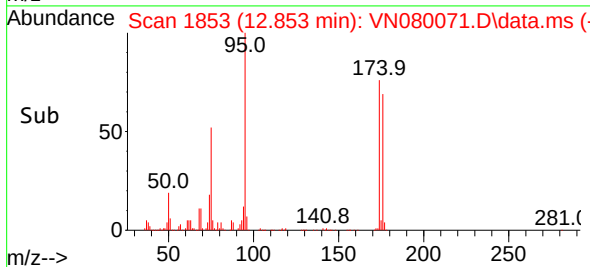
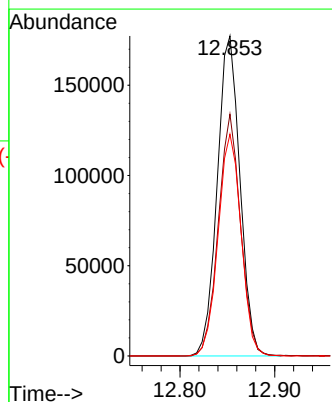
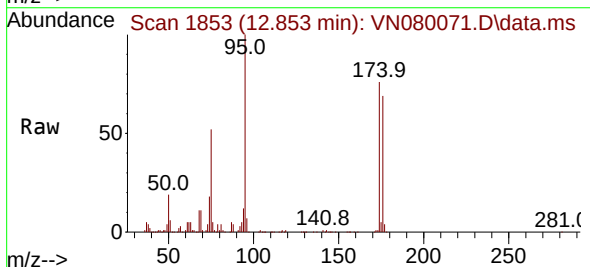
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#12

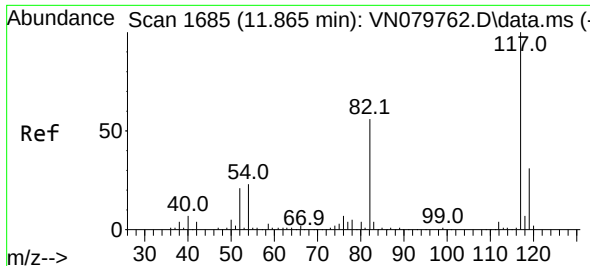
Tgt Ion: 43 Resp: 254270
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 58.386 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

Tgt Ion: 95 Resp: 296037
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.8
176 70.0 0.0 135.8

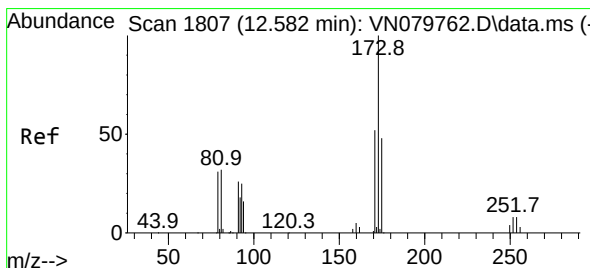
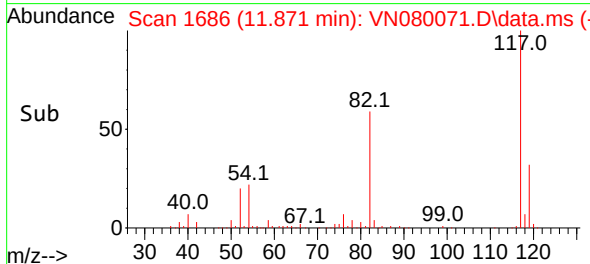
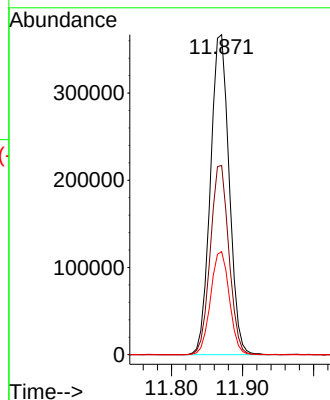
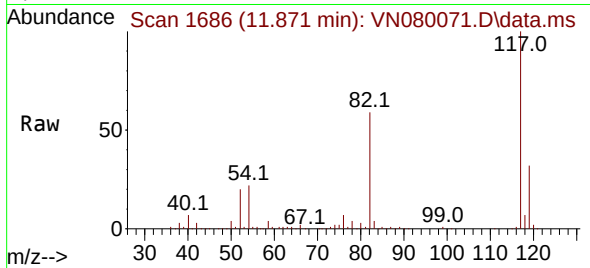




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

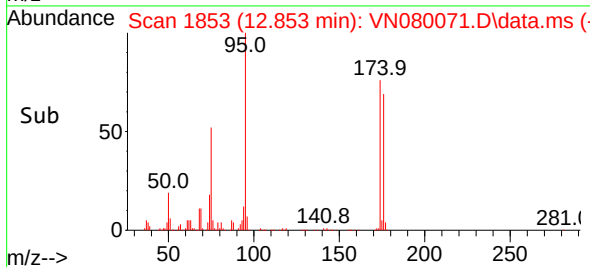
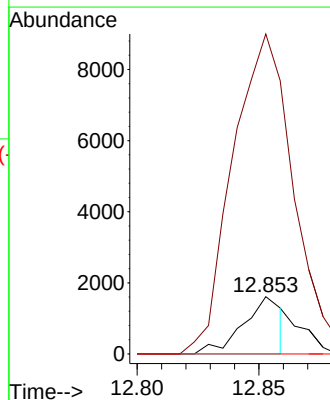
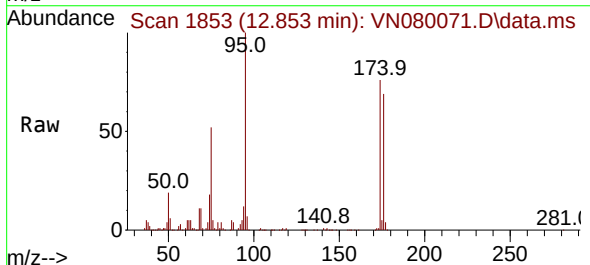
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#12

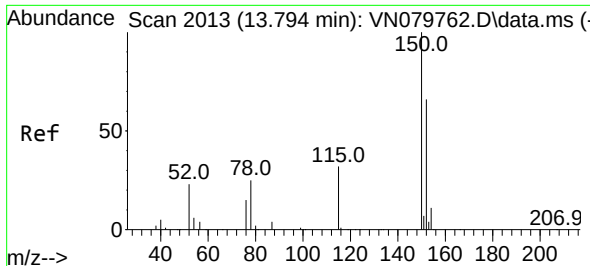
Tgt Ion:117 Resp: 672151
Ion Ratio Lower Upper
117 100
82 59.1 44.0 66.0
119 32.2 25.6 38.4



#71
Bromoform
Concen: 0.479 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

Tgt Ion:173 Resp: 1785
Ion Ratio Lower Upper
173 100
175 709.0 24.3 73.0#
254 0.0 0.0 0.0

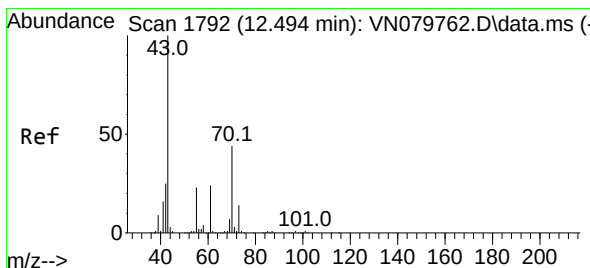
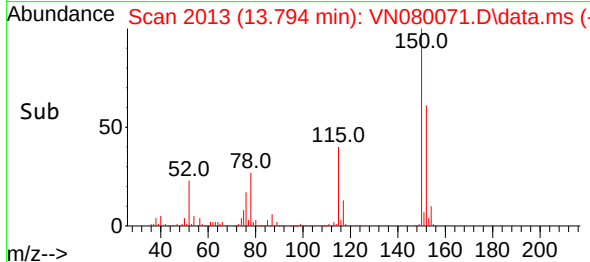
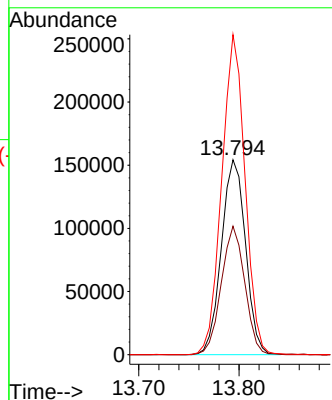
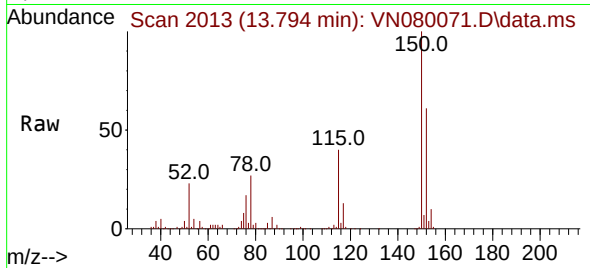




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

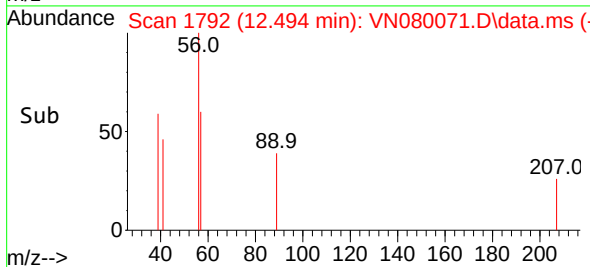
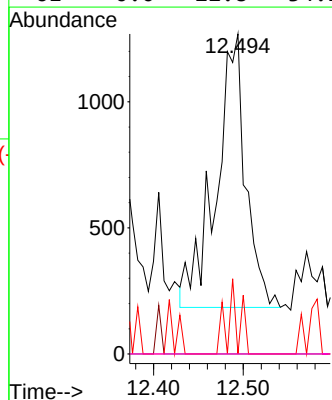
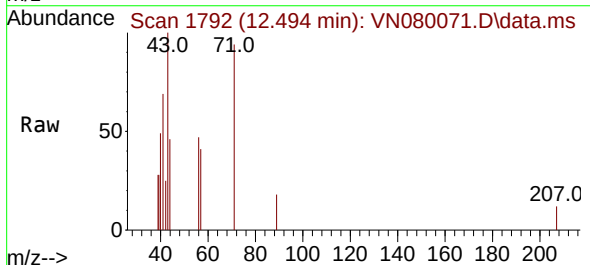
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#12

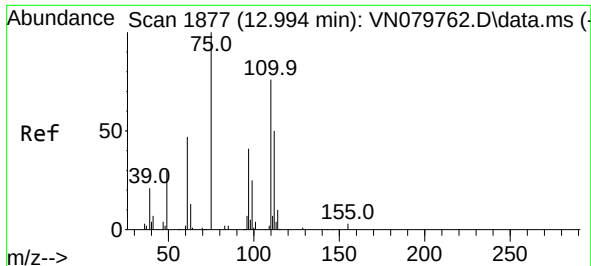
Tgt Ion:152 Resp: 258065
Ion Ratio Lower Upper
152 100
115 64.0 32.3 96.8
150 158.3 0.0 355.8



#74
N-ethyl acetate
Concen: 0.290 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

Tgt Ion: 43 Resp: 2481
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 7.5 21.4 32.0#
61 0.0 22.8 34.2#

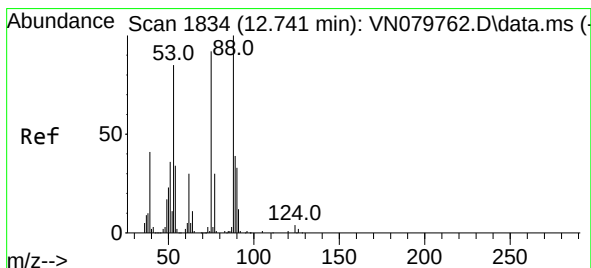
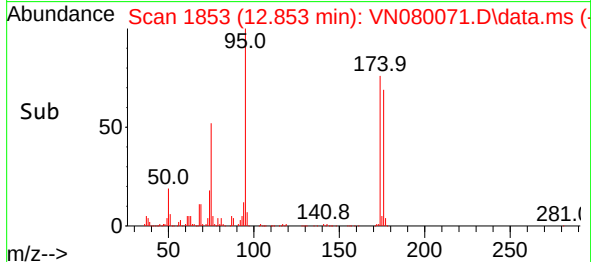
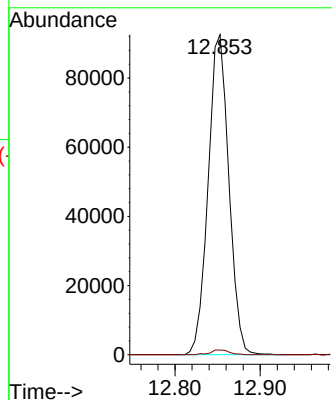
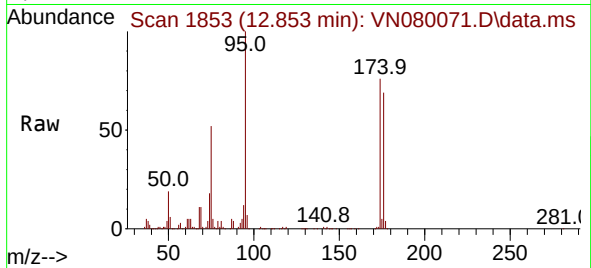




#76
1,2,3-Trichloropropane
Concen: 25.779 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#12

Tgt Ion: 75 Resp: 156185
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.139 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080071.D
Acq: 13 Nov 2023 17:06

Tgt Ion: 75 Resp: 156185
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

