

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080075.D
 Acq On : 13 Nov 2023 18:41
 Operator : JC\MD
 Sample : PB157075ZHE#16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#16

Quant Time: Nov 14 19:26:24 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)

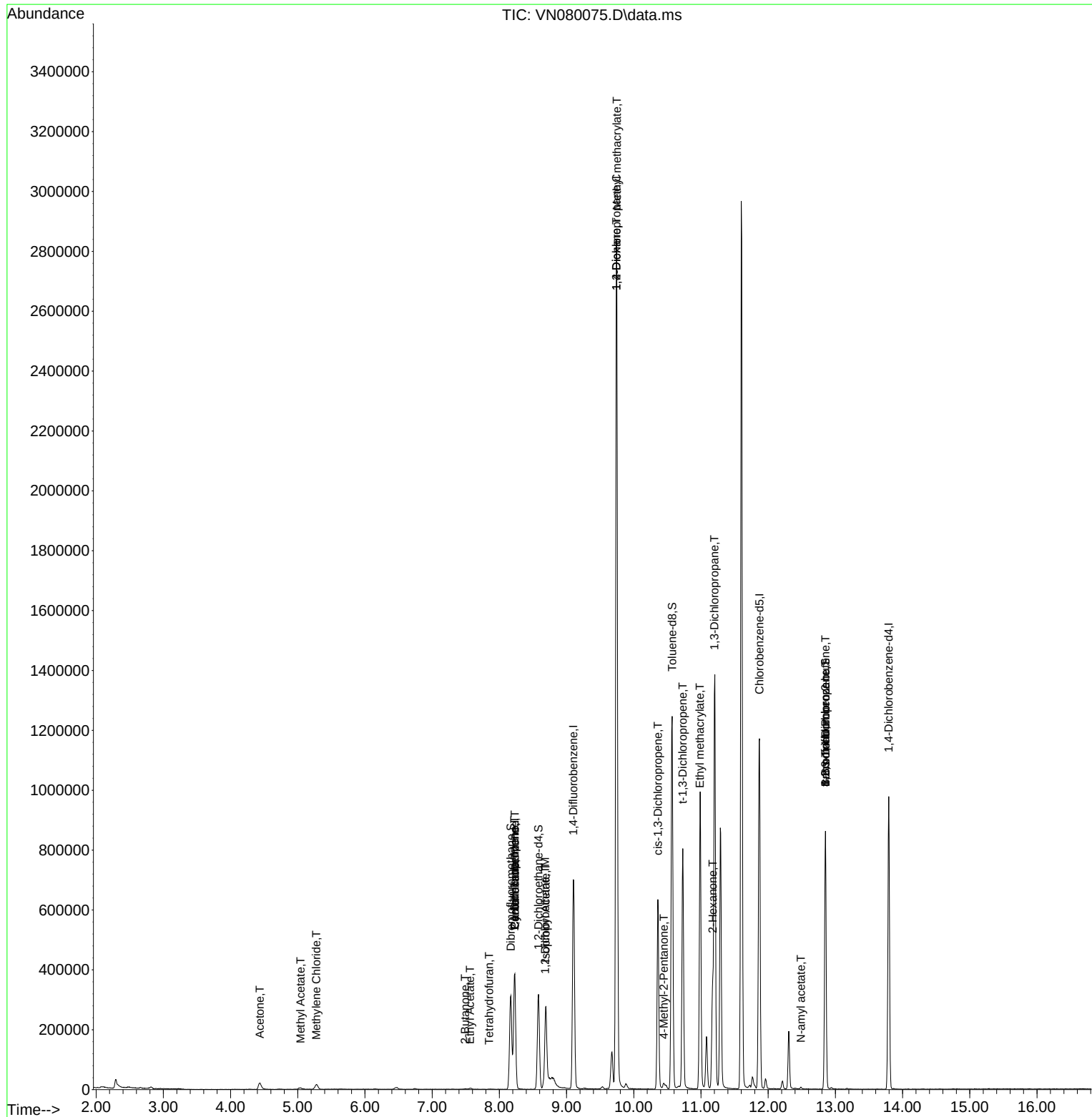
Internal Standards						
1) Pentafluorobenzene	8.230	168	276273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	605918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	681879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	254372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	261037	62.017	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.040%			
35) Dibromofluoromethane	8.171	113	226035	52.708	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.420%			
50) Toluene-d8	10.571	98	855966	54.219	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.440%			
62) 4-Bromofluorobenzene	12.853	95	295379	56.415	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.820%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1023	Below Cal	#	38
16) Acetone	4.436	43	41446	28.033	ug/l	96
18) Methyl Acetate	5.042	43	10615	1.501	ug/l #	76
20) Methylene Chloride	5.277	84	12423	3.330	ug/l	92
25) 2-Butanone	7.488	43	3237	1.495	ug/l #	77
29) Tetrahydrofuran	7.847	42	468	0.332	ug/l #	34
31) Cyclohexane	8.230	56	6568	1.181	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	24401	3.985	ug/l #	48
37) Ethyl Acetate	7.565	43	7140	1.271	ug/l #	69
38) Carbon Tetrachloride	8.230	117	29983	4.859	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	2271	0.355	ug/l #	73
43) Isopropyl Acetate	8.688	43	339383	34.461	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	3739	0.798	ug/l #	45
48) Methyl methacrylate	9.747	41	265567	61.565	ug/l #	26
49) 1,4-Dioxane	9.741	88	535	7.019	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	10941	1.973	ug/l	95
53) t-1,3-Dichloropropene	10.729	75	2232	0.334	ug/l #	63
54) cis-1,3-Dichloropropene	10.359	75	107853	14.789	ug/l #	72
56) Ethyl methacrylate	10.982	69	5320	0.853	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	14951	1.940	ug/l #	42
59) 2-Hexanone	11.176	43	270417	63.755	ug/l #	19
71) Bromoform	12.853	173	2144	0.567	ug/l #	1
74) N-amyl acetate	12.488	43	2291	0.272	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	155233	25.994	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	155233	70.723	ug/l #	15

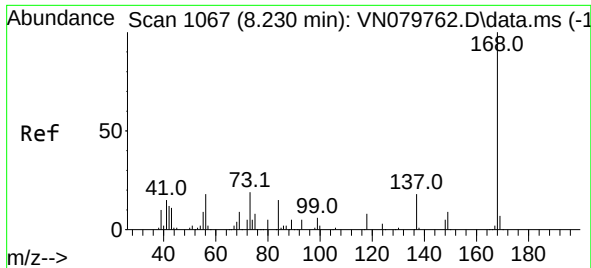
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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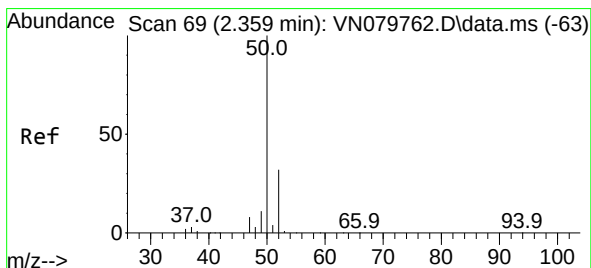
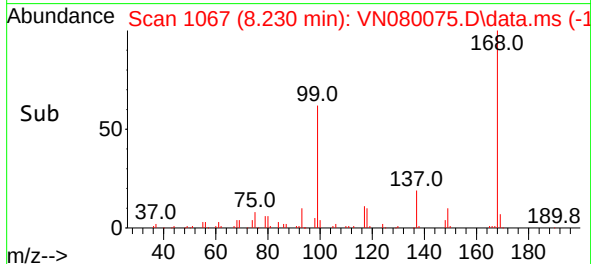
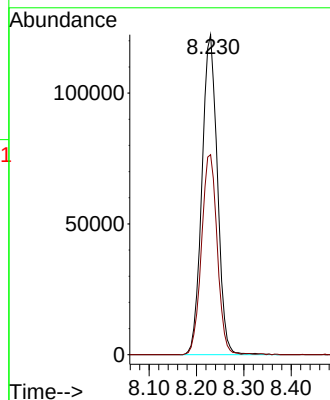
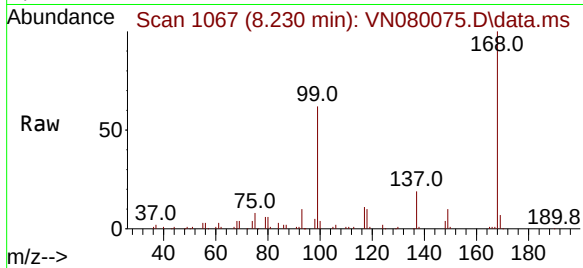




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

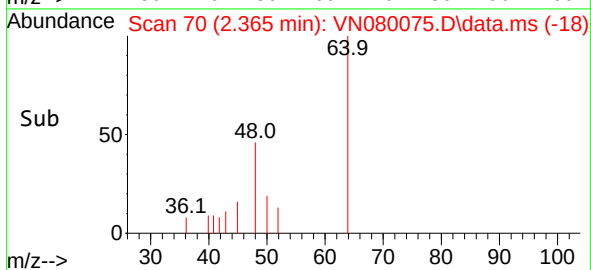
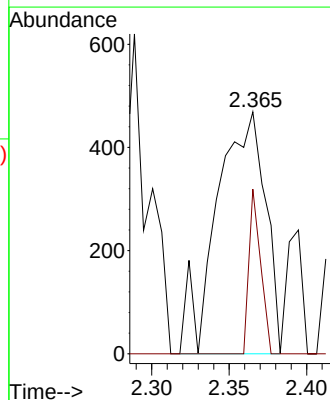
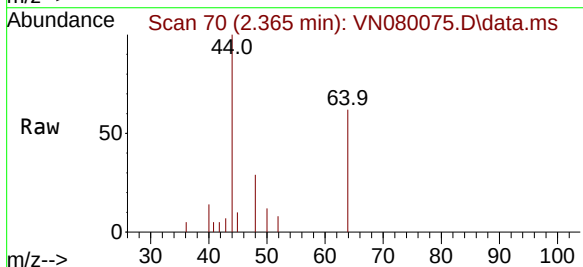
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#16

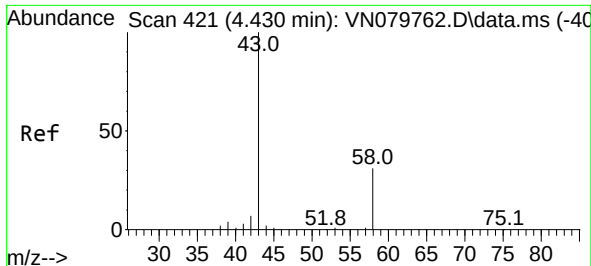
Tgt Ion:168 Resp: 276273
Ion Ratio Lower Upper
168 100
99 62.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

Tgt Ion: 50 Resp: 1023
Ion Ratio Lower Upper
50 100
52 68.0 26.5 39.7#

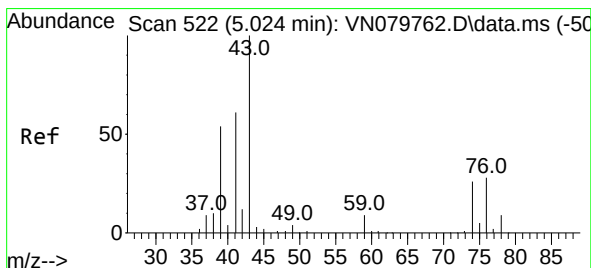
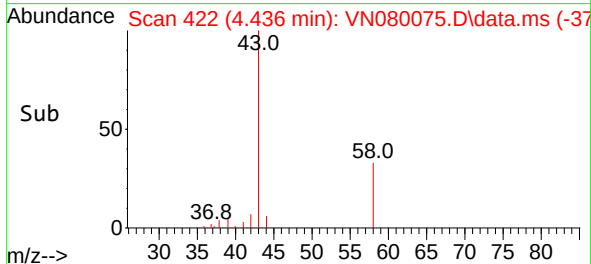
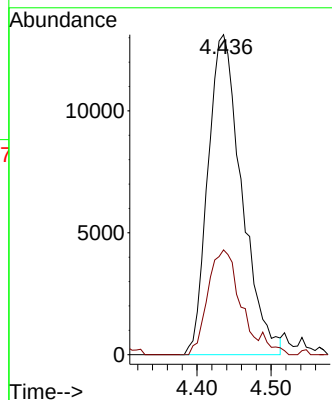
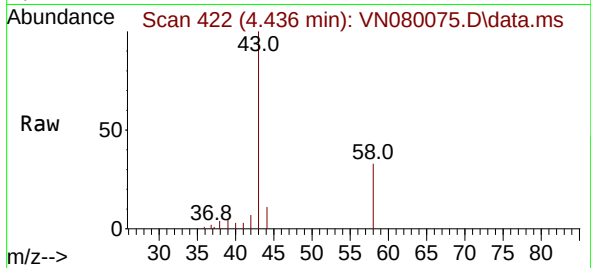




#16
Acetone
Concen: 28.033 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

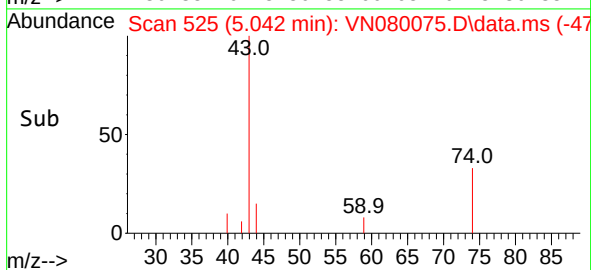
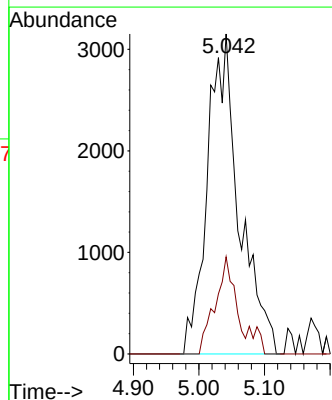
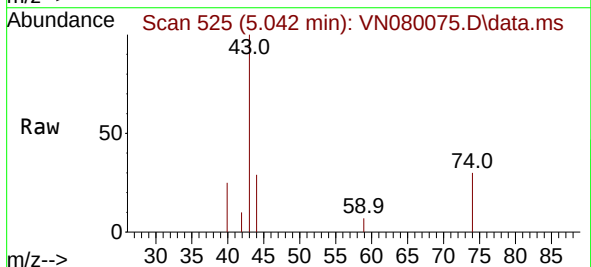
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#16

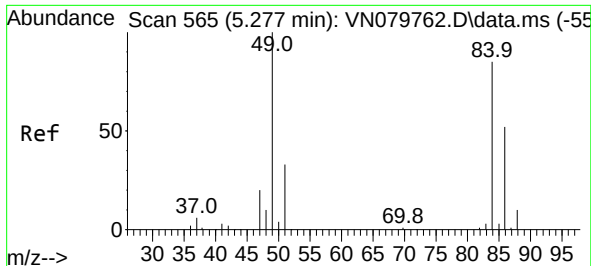
Tgt Ion: 43 Resp: 41446
Ion Ratio Lower Upper
43 100
58 32.8 28.0 42.0



#18
Methyl Acetate
Concen: 1.501 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

Tgt Ion: 43 Resp: 10615
Ion Ratio Lower Upper
43 100
74 19.2 26.2 39.4#

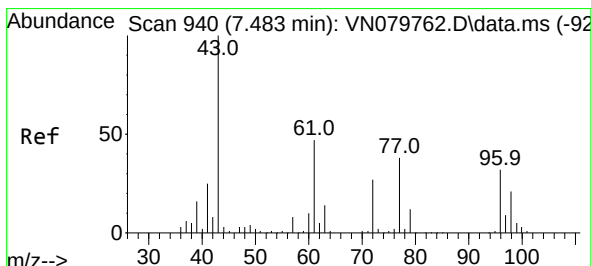
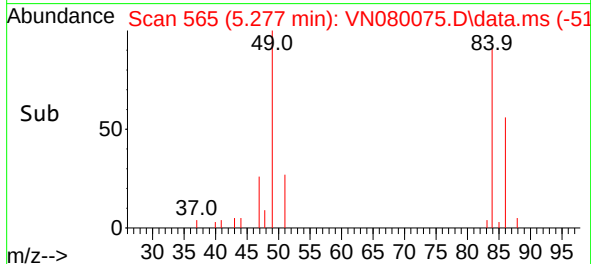
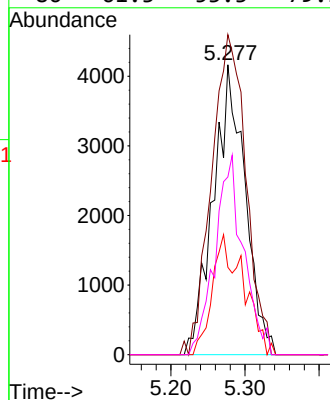
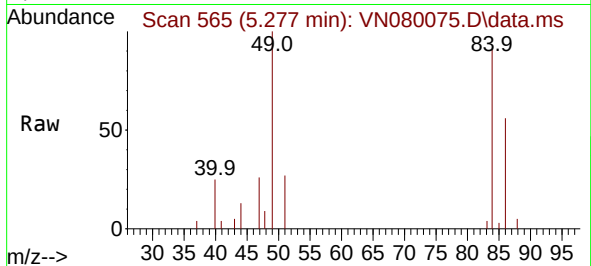




#20
Methylene Chloride
Concen: 3.330 ug/l
RT: 5.277 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

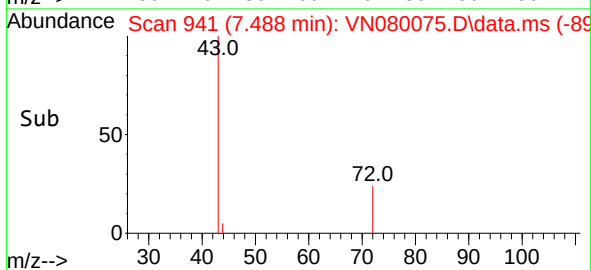
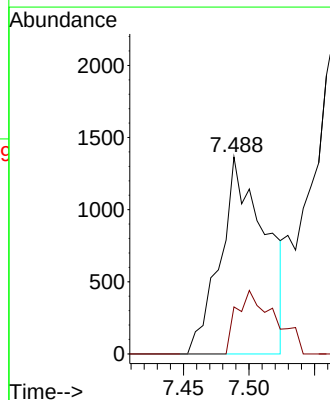
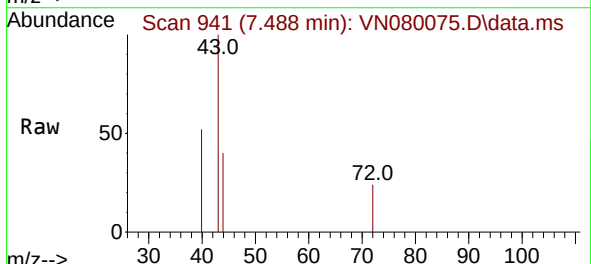
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#16

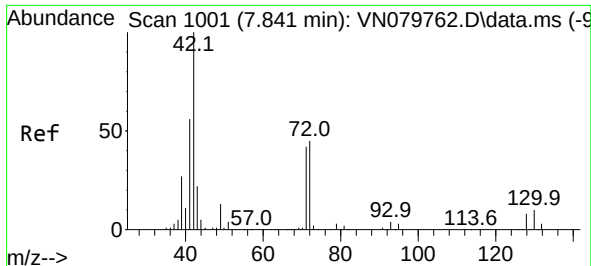
Tgt Ion:	84	Resp:	12423
Ion	Ratio	Lower	Upper
84	100		
49	110.4	79.7	119.5
51	30.1	25.2	37.8
86	61.3	53.3	79.9



#25
2-Butanone
Concen: 1.495 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

Tgt Ion:	43	Resp:	3237
Ion	Ratio	Lower	Upper
43	100		
72	23.9	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.332 ug/l

RT: 7.847 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080075.D

Acq: 13 Nov 2023 18:41

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#16

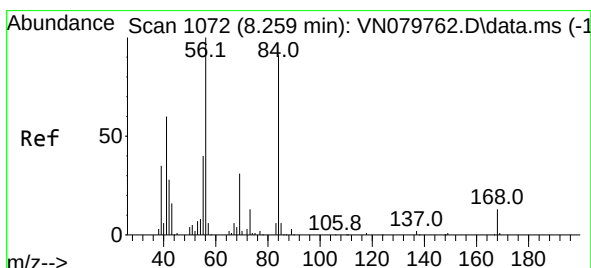
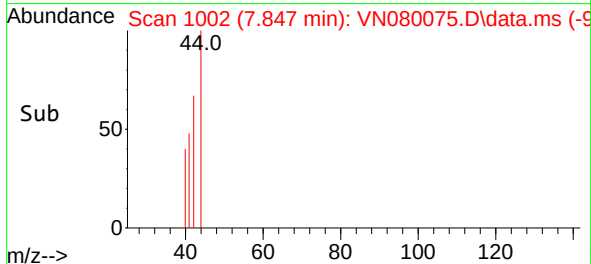
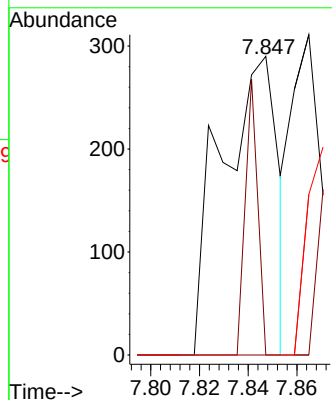
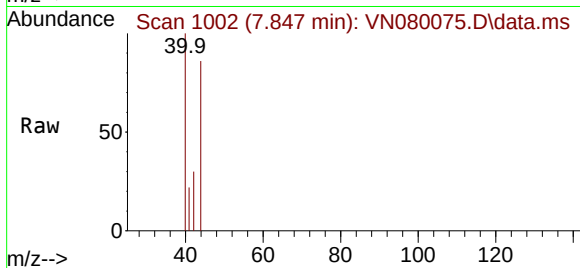
Tgt Ion: 42 Resp: 468

Ion Ratio Lower Upper

42 100

72 20.3 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.181 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN080075.D

Acq: 13 Nov 2023 18:41

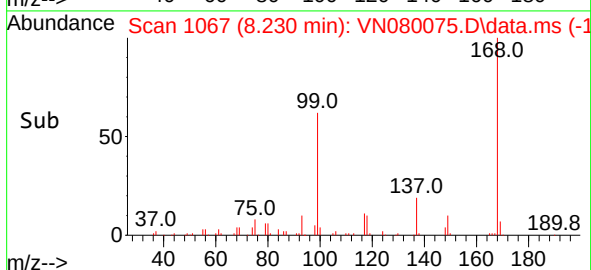
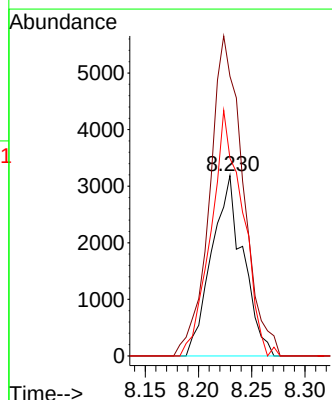
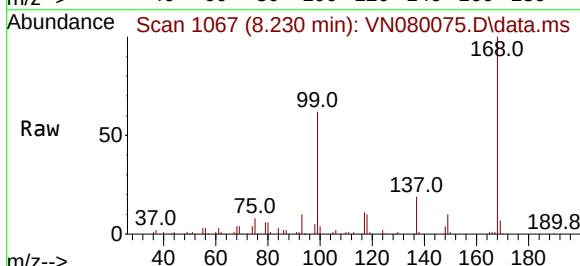
Tgt Ion: 56 Resp: 6568

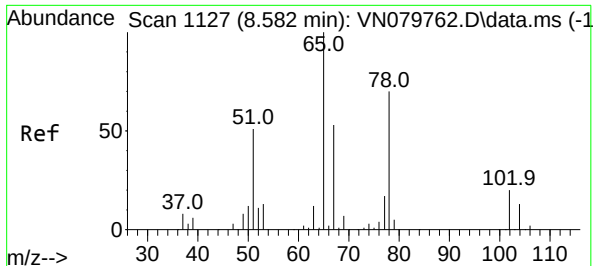
Ion Ratio Lower Upper

56 100

69 155.1 26.8 40.2#

84 109.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 62.017 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080075.D

Acq: 13 Nov 2023 18:41

Instrument :

MSVOA_N

ClientSampleId :

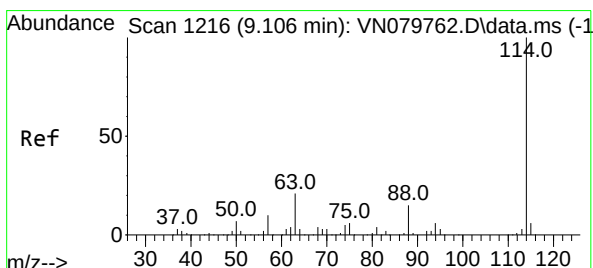
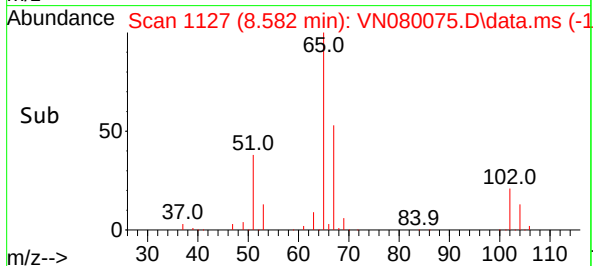
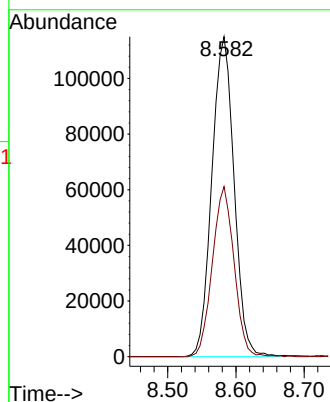
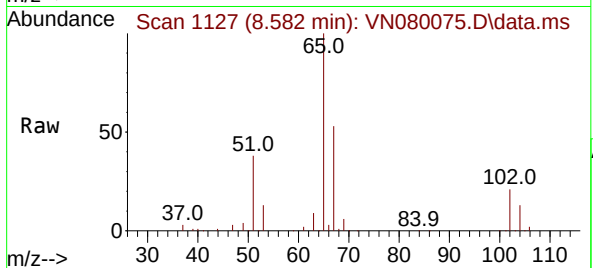
PB157075ZHE#16

Tgt Ion: 65 Resp: 261037

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080075.D

Acq: 13 Nov 2023 18:41

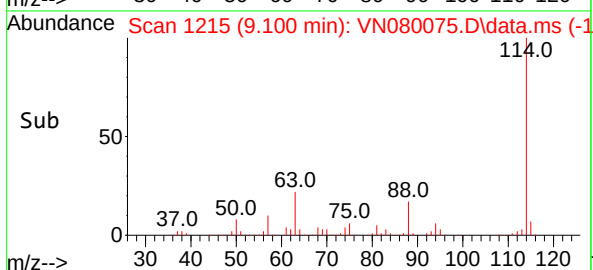
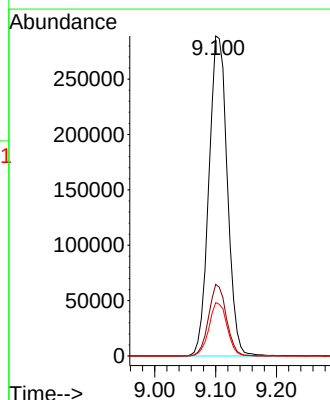
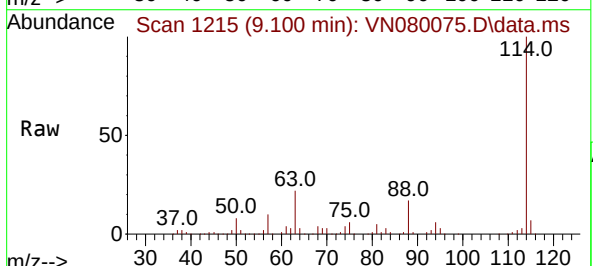
Tgt Ion: 114 Resp: 605918

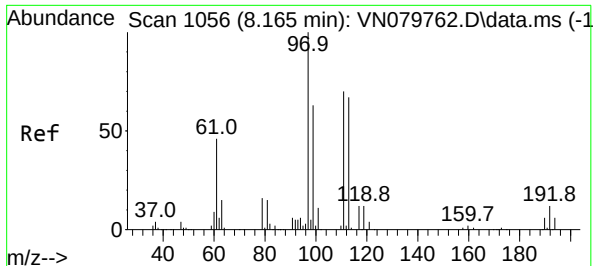
Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.4

88 16.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.708 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080075.D

Acq: 13 Nov 2023 18:41

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#16

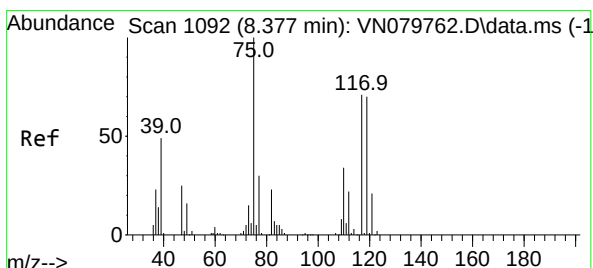
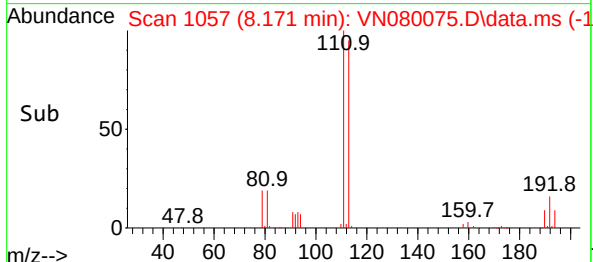
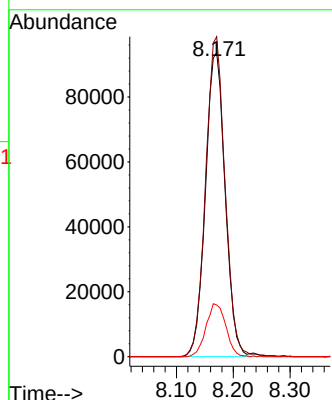
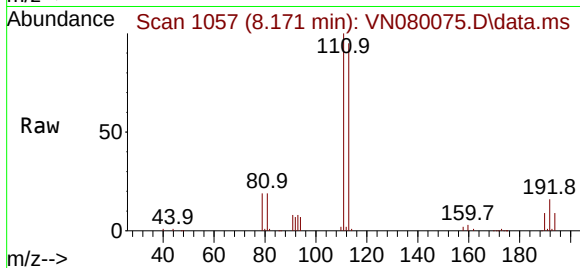
Tgt Ion:113 Resp: 226035

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 17.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 3.985 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN080075.D

Acq: 13 Nov 2023 18:41

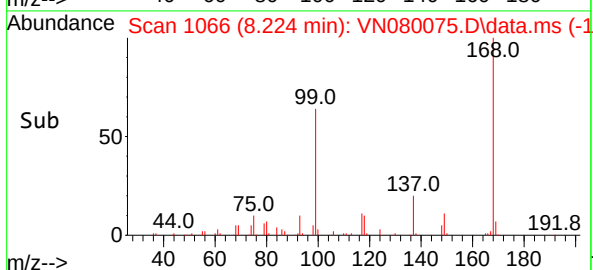
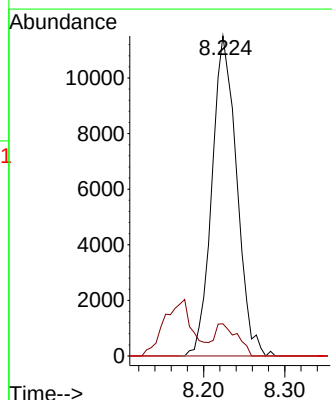
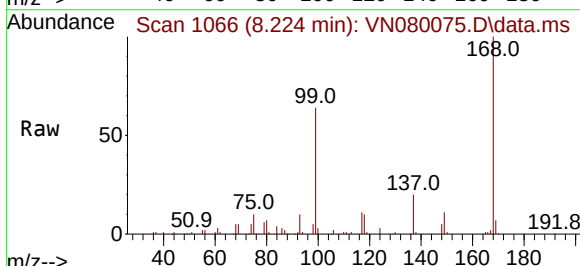
Tgt Ion: 75 Resp: 24401

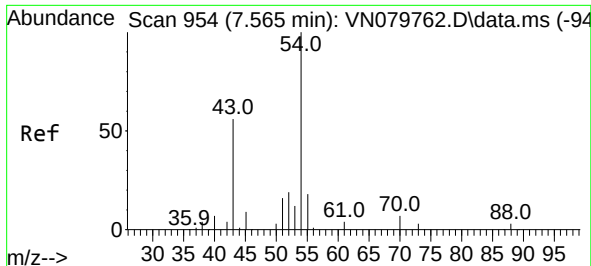
Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.271 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN080075.D

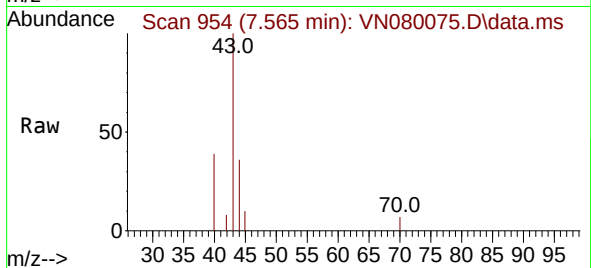
Acq: 13 Nov 2023 18:41

Instrument :

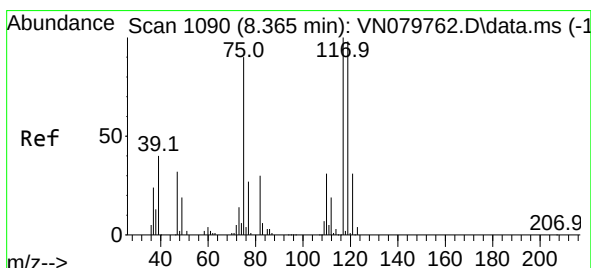
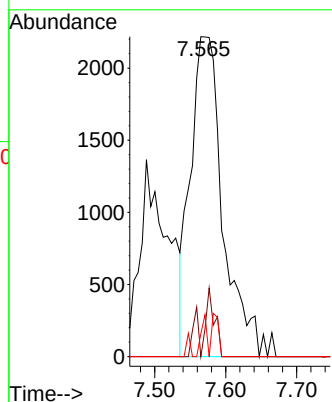
MSVOA_N

ClientSampleId :

PB157075ZHE#16



Tgt Ion:	43	Resp:	7140
Ion Ratio	Lower	Upper	
43	100		
61	2.6	13.2	19.8#
70	2.2	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 4.859 ug/l

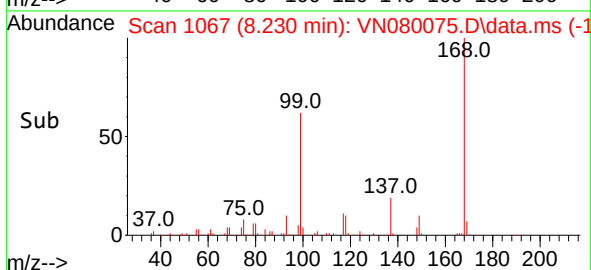
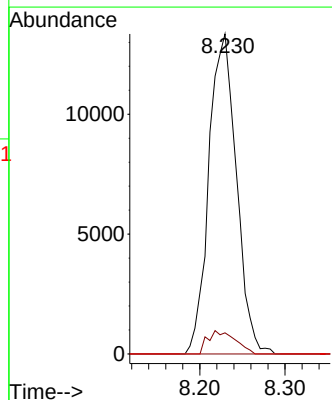
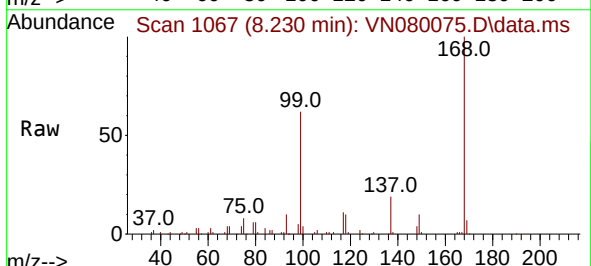
RT: 8.230 min Scan# 1067

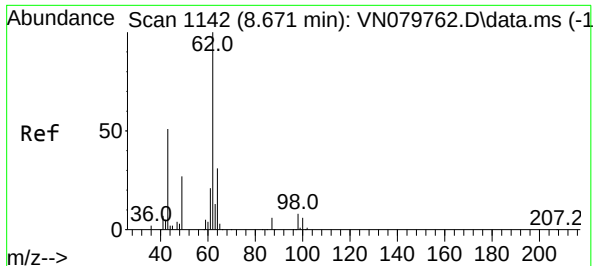
Delta R.T. -0.129 min

Lab File: VN080075.D

Acq: 13 Nov 2023 18:41

Tgt Ion:	117	Resp:	29983
Ion Ratio	Lower	Upper	
117	100		
119	6.6	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.355 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN080075.D

Acq: 13 Nov 2023 18:41

Instrument :

MSVOA_N

ClientSampleId :

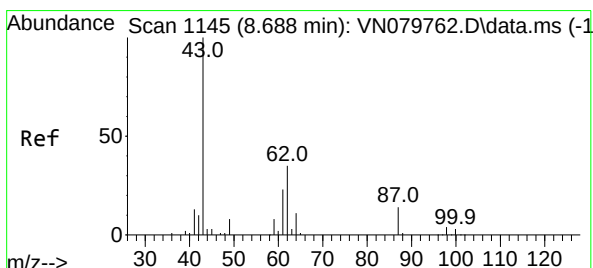
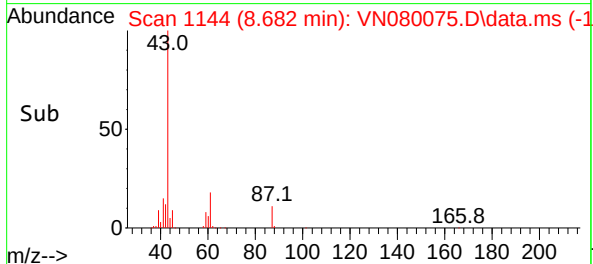
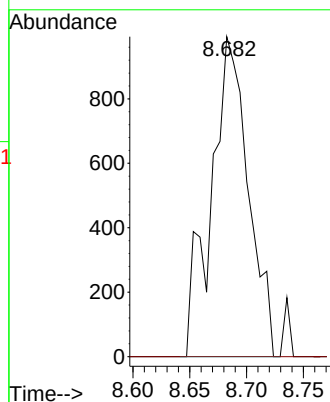
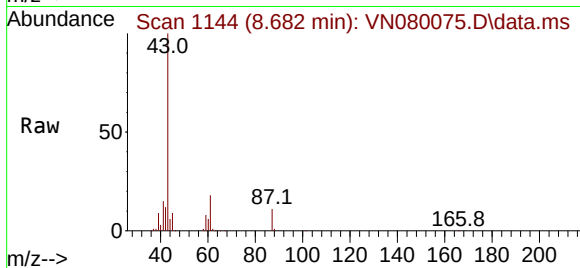
PB157075ZHE#16

Tgt Ion: 62 Resp: 2271

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 34.461 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080075.D

Acq: 13 Nov 2023 18:41

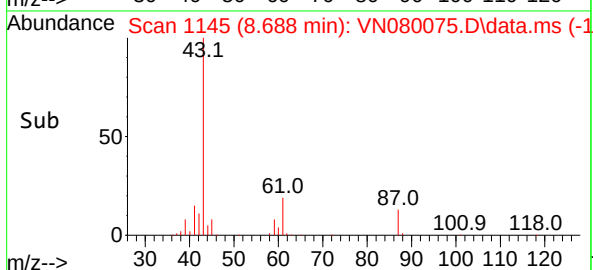
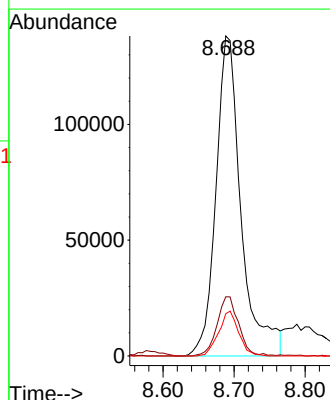
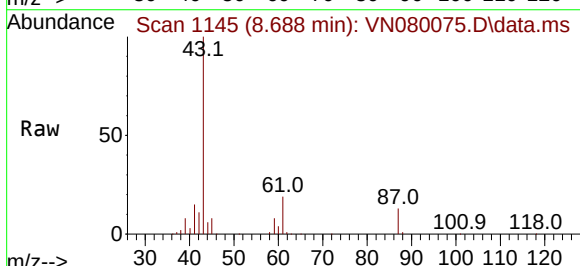
Tgt Ion: 43 Resp: 339383

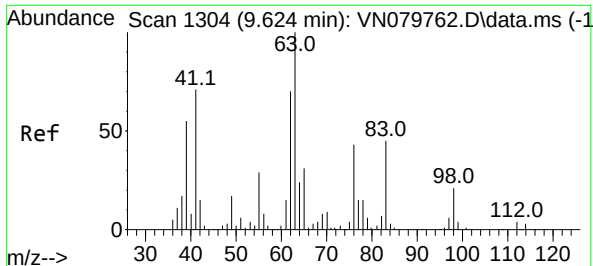
Ion Ratio Lower Upper

43 100

61 15.9 24.7 37.1#

87 11.1 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.798 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN080075.D

Acq: 13 Nov 2023 18:41

Instrument :

MSVOA_N

ClientSampleId :

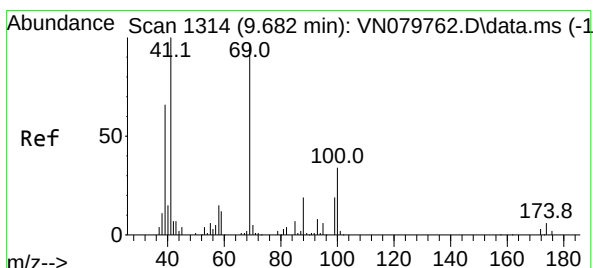
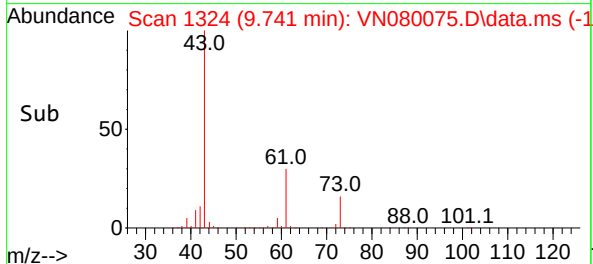
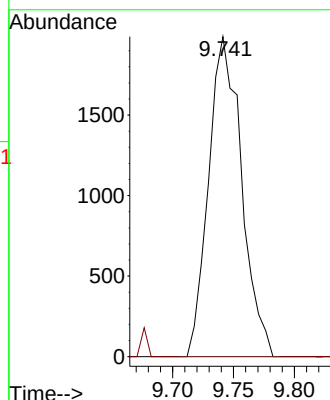
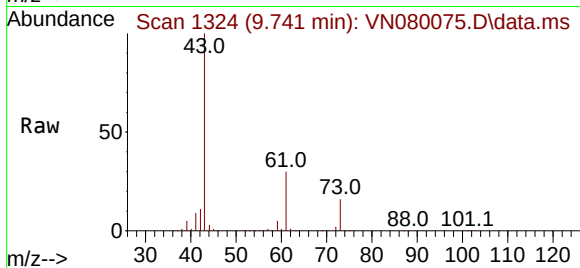
PB157075ZHE#16

Tgt Ion: 63 Resp: 3739

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 61.565 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN080075.D

Acq: 13 Nov 2023 18:41

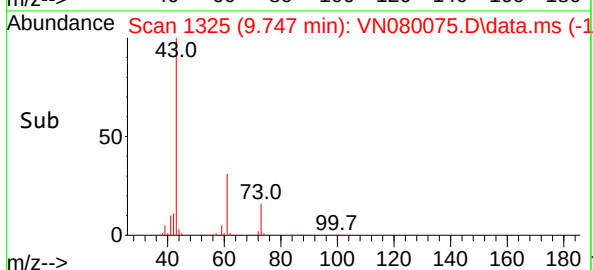
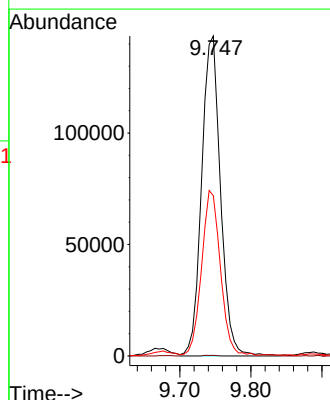
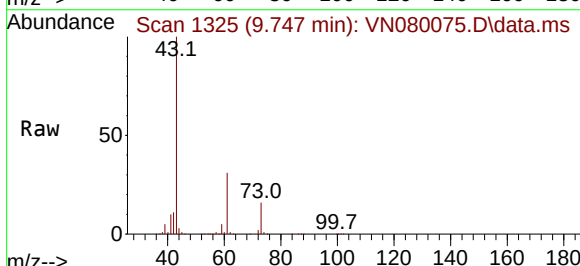
Tgt Ion: 41 Resp: 265567

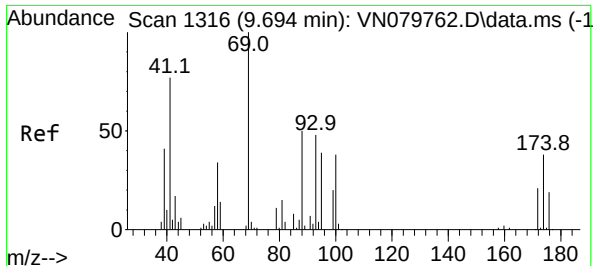
Ion Ratio Lower Upper

41 100

69 0.1 90.4 135.6#

39 51.0 54.6 81.8#

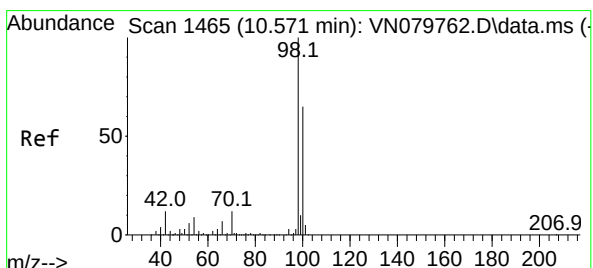
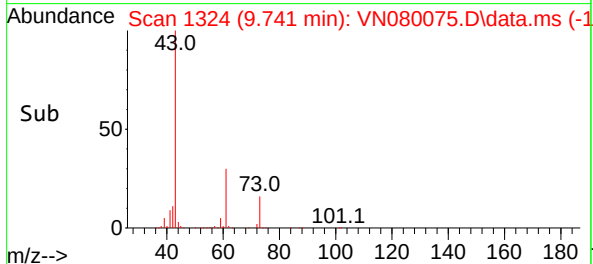
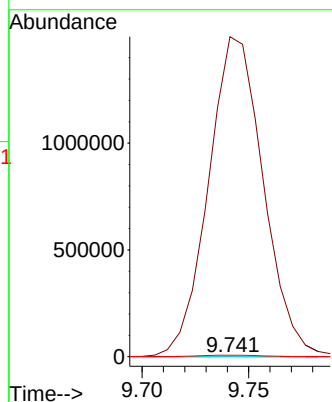
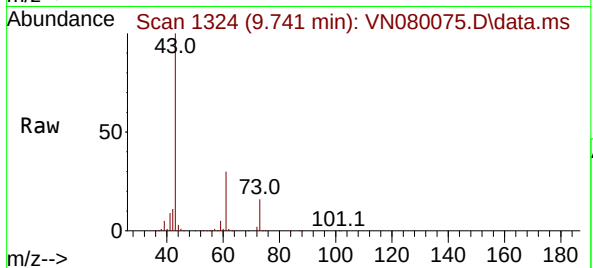




#49
1,4-Dioxane
Concen: 7.019 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

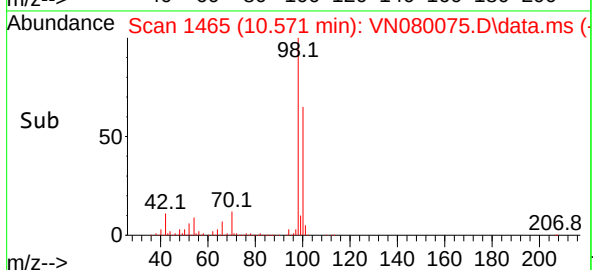
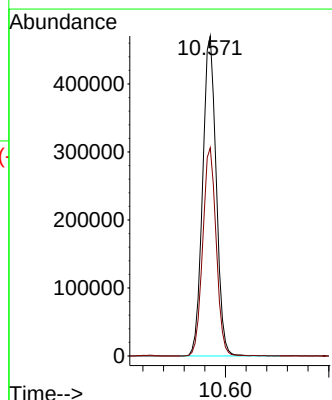
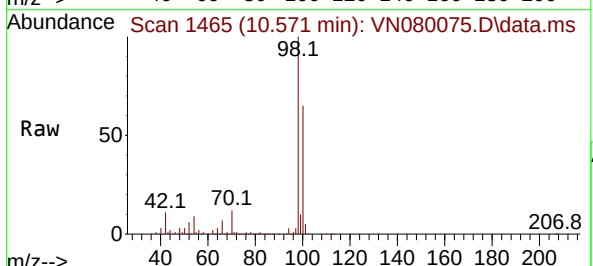
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#16

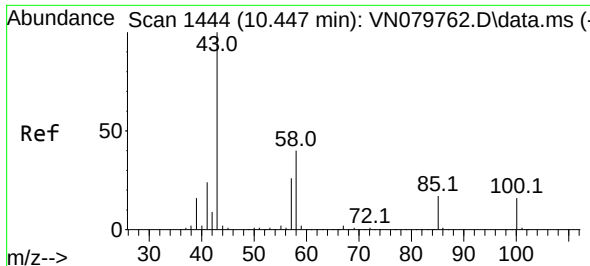
Tgt Ion: 88 Resp: 535
Ion Ratio Lower Upper
88 100
43 505065.6 17.0 25.6#
58 2818.9 47.0 70.4#



#50
Toluene-d8
Concen: 54.219 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

Tgt Ion: 98 Resp: 855966
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0

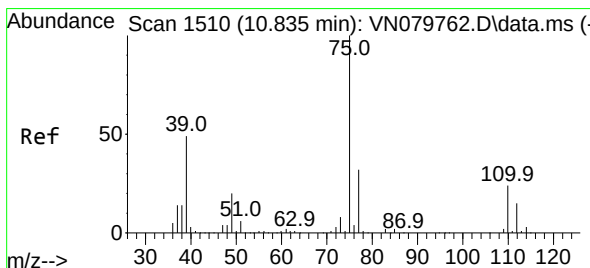
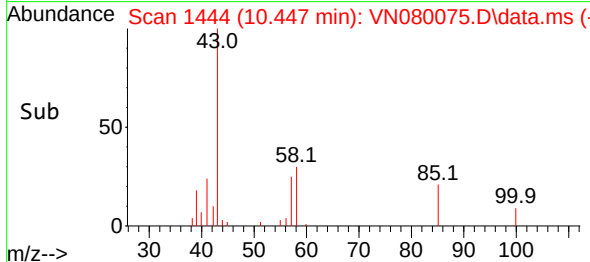
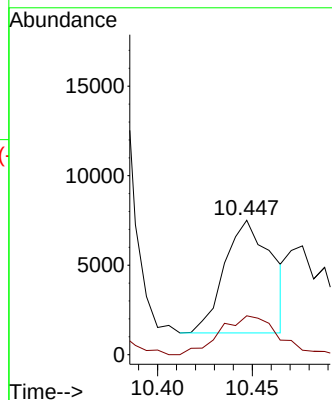
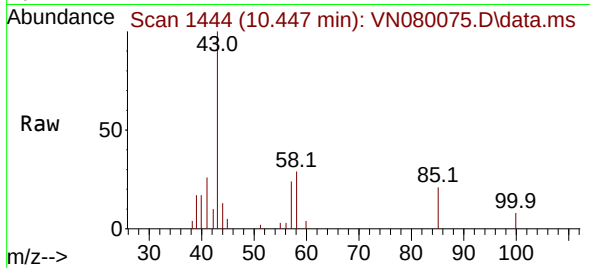




#51
4-Methyl-2-Pentanone
Concen: 1.973 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

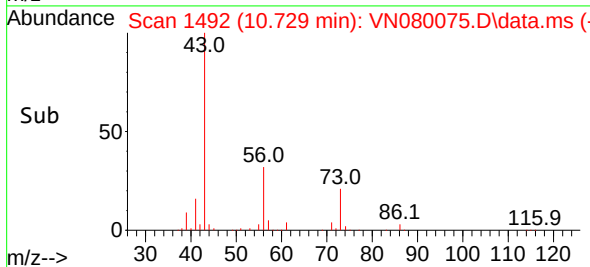
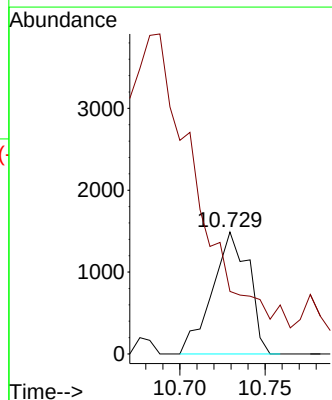
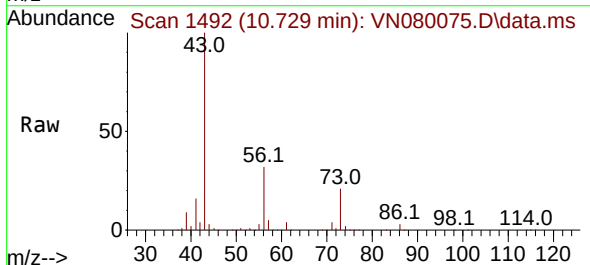
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#16

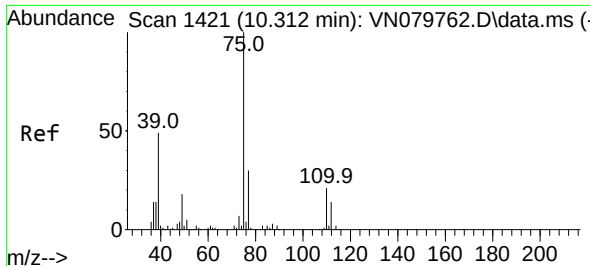
Tgt Ion: 43 Resp: 10941
Ion Ratio Lower Upper
43 100
58 42.4 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.334 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

Tgt Ion: 75 Resp: 2232
Ion Ratio Lower Upper
75 100
77 11.1 25.4 38.0#

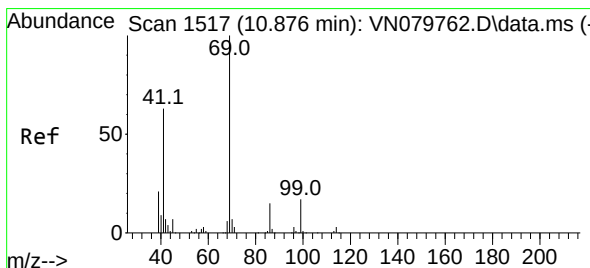
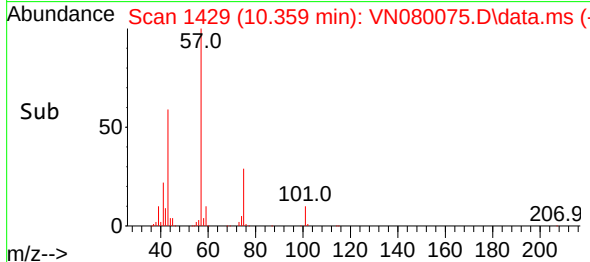
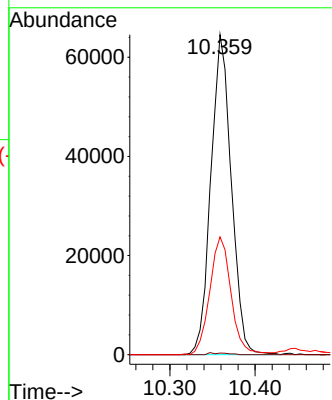
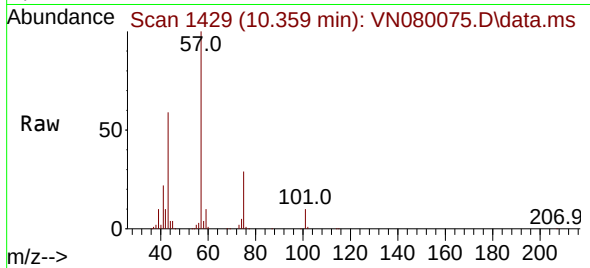




#54
cis-1,3-Dichloropropene
Concen: 14.789 ug/l
RT: 10.359 min Scan# 1421
Delta R.T. 0.041 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

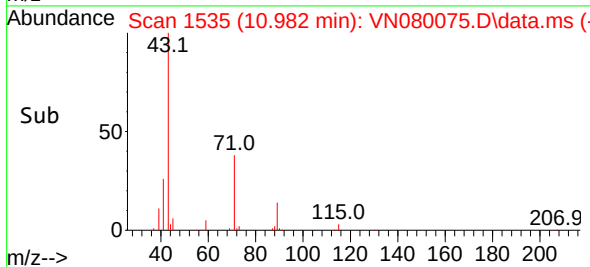
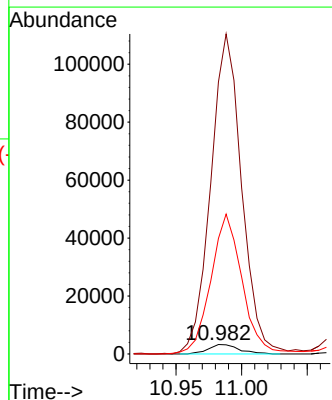
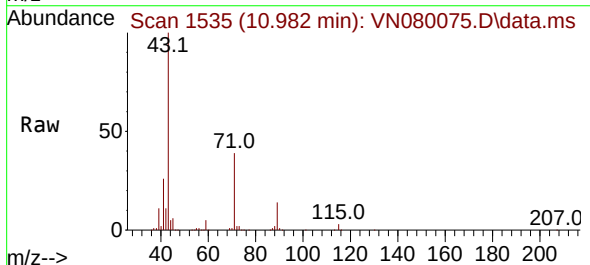
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#16

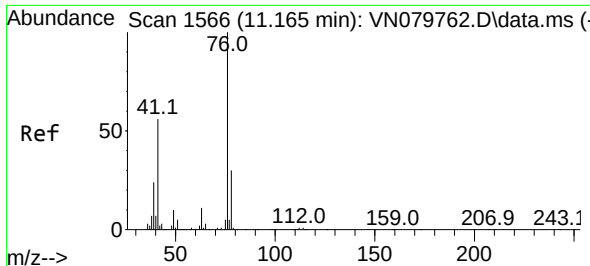
Tgt Ion: 75 Resp: 107853
Ion Ratio Lower Upper
75 100
77 0.5 26.1 39.1#
39 36.8 31.6 47.4



#56
Ethyl methacrylate
Concen: 0.853 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

Tgt Ion: 69 Resp: 5320
Ion Ratio Lower Upper
69 100
41 3421.2 39.6 59.4#
39 1511.4 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.940 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN080075.D

Acq: 13 Nov 2023 18:41

Instrument :

MSVOA_N

ClientSampleId :

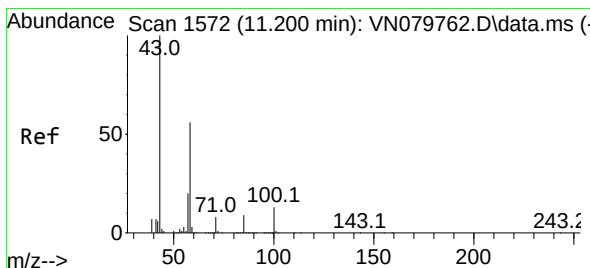
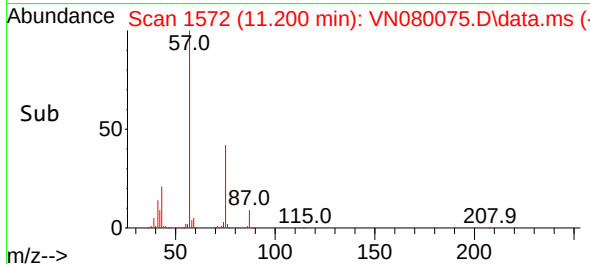
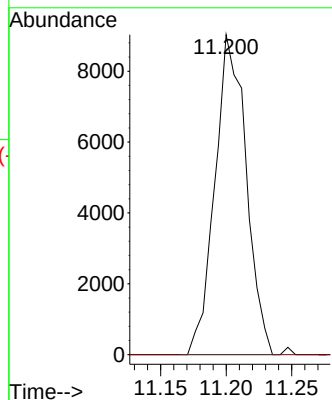
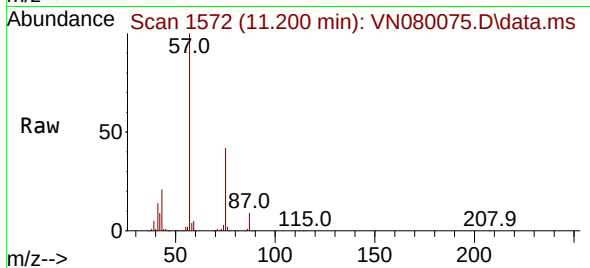
PB157075ZHE#16

Tgt Ion: 76 Resp: 14951

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 63.755 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN080075.D

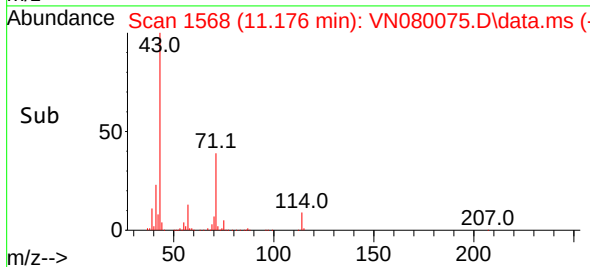
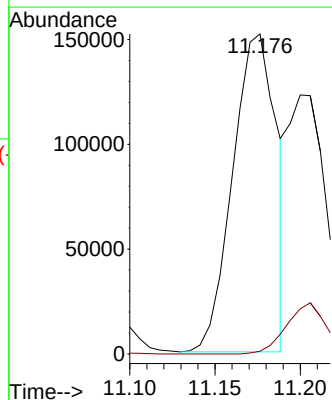
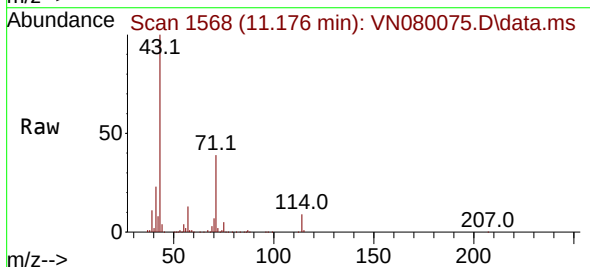
Acq: 13 Nov 2023 18:41

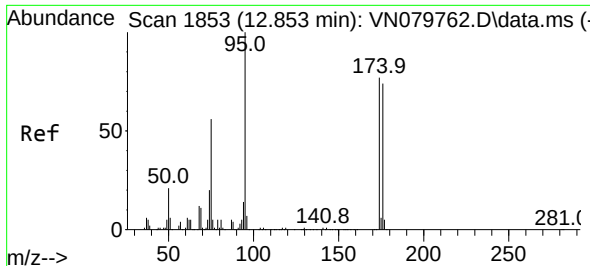
Tgt Ion: 43 Resp: 270417

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

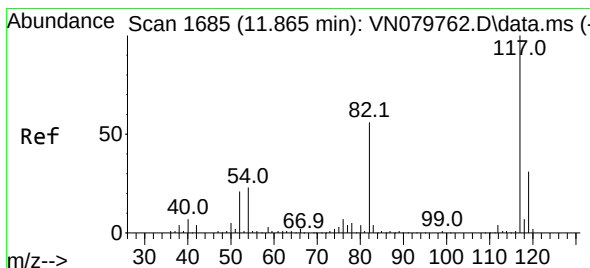
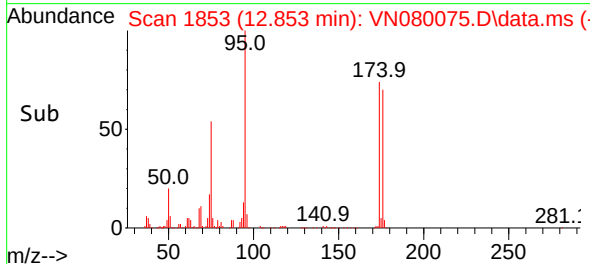
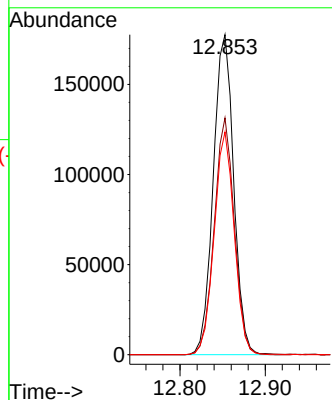
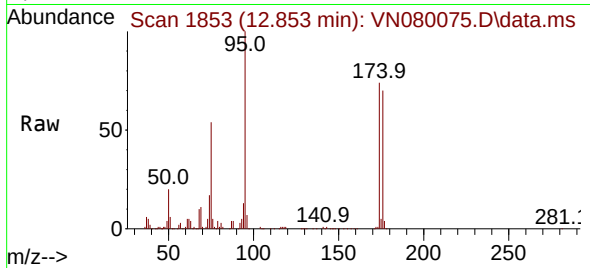




#62
4-Bromofluorobenzene
Concen: 56.415 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

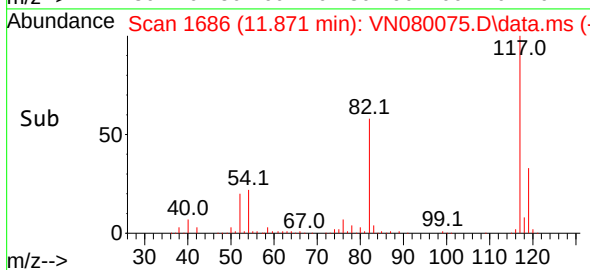
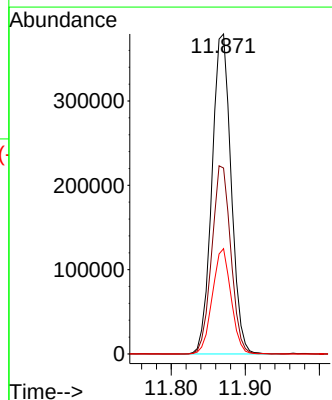
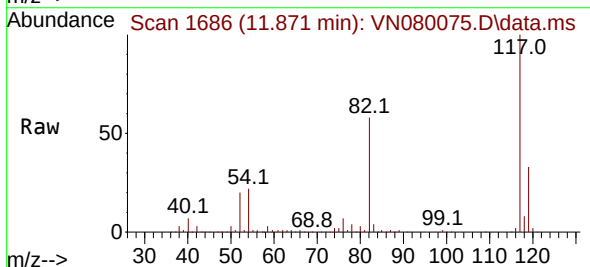
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#16

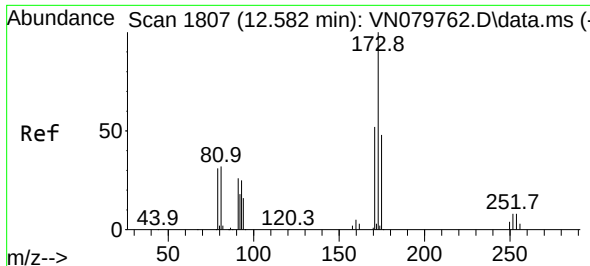
Tgt Ion: 95 Resp: 295379
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.8
176 68.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

Tgt Ion: 117 Resp: 681879
Ion Ratio Lower Upper
117 100
82 58.1 44.0 66.0
119 32.9 25.6 38.4

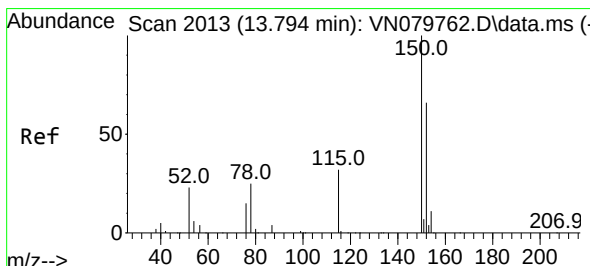
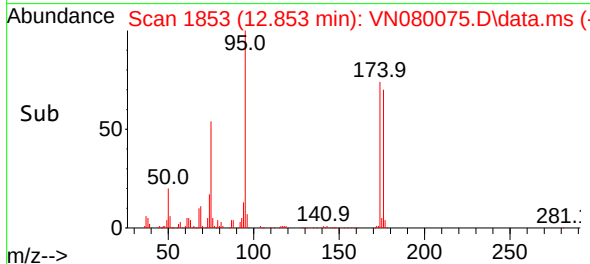
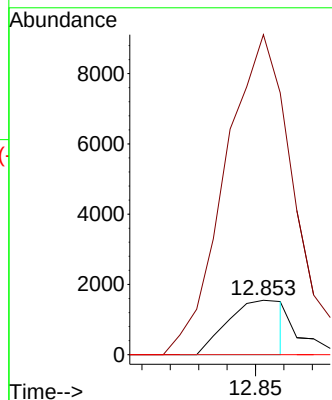
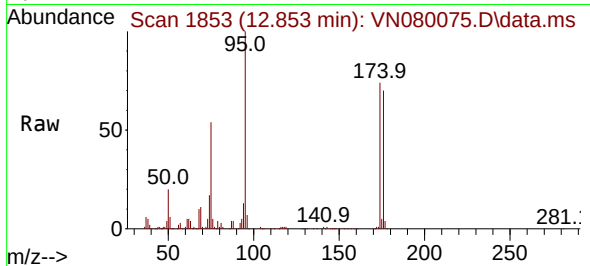




#71
Bromoform
Concen: 0.567 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

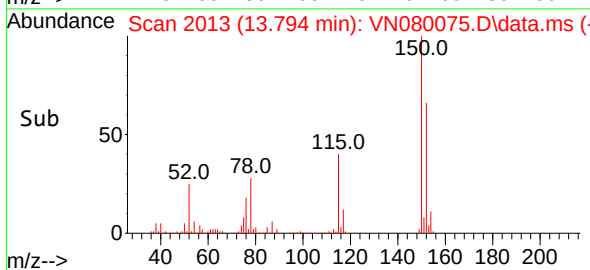
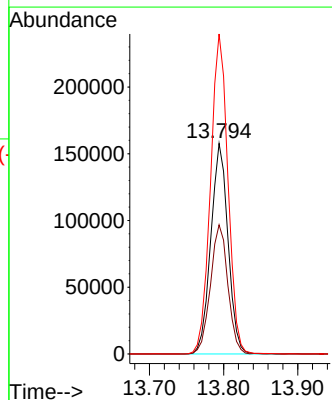
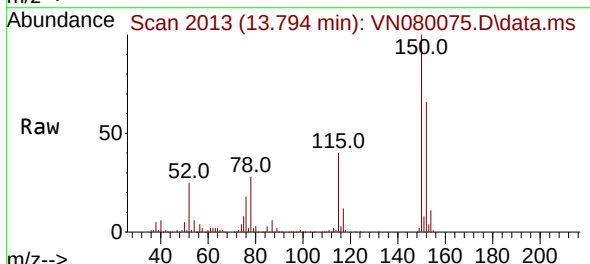
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#16

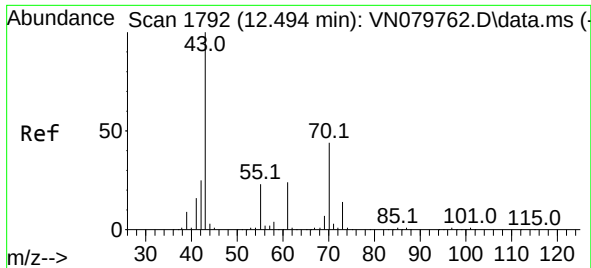
Tgt Ion:173 Resp: 2144
Ion Ratio Lower Upper
173 100
175 588.6 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

Tgt Ion:152 Resp: 254372
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 153.7 0.0 355.8

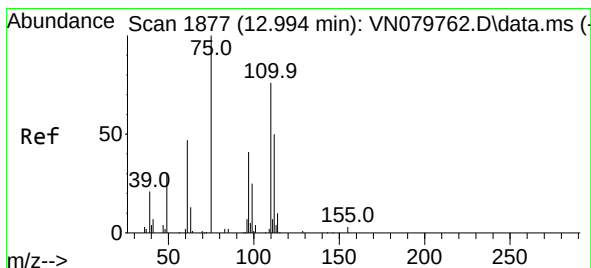
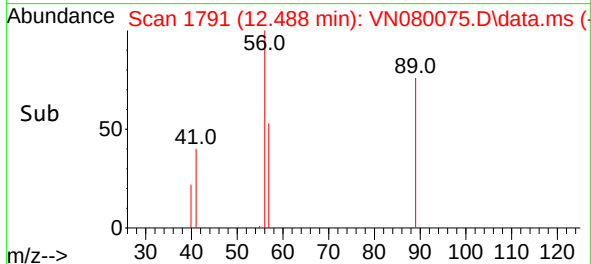
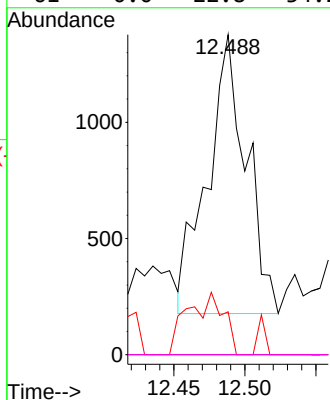
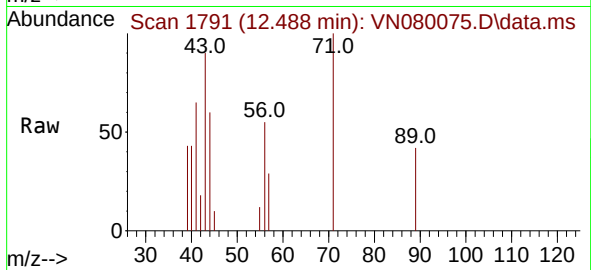




#74
N-amy1 acetate
Concen: 0.272 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

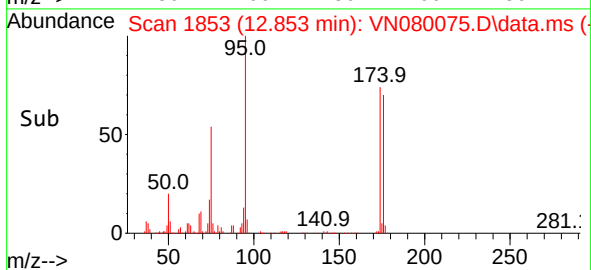
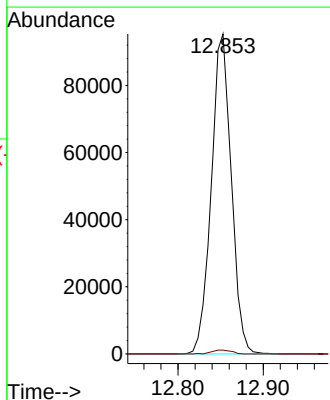
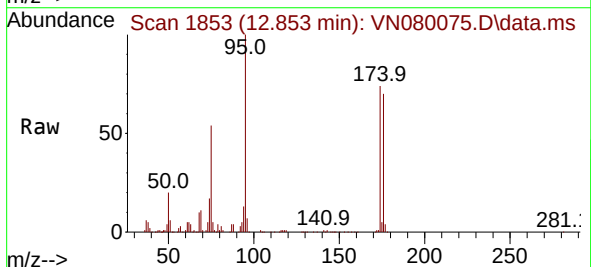
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#16

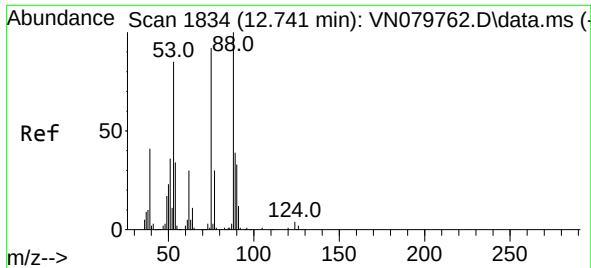
Tgt Ion: 43	Resp: 2291
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 0.0	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 25.994 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080075.D
Acq: 13 Nov 2023 18:41

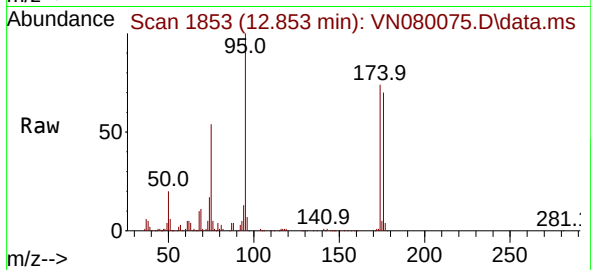
Tgt Ion: 75	Resp: 155233
Ion Ratio	Lower Upper
75 100	
77 1.2	84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.723 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN080075.D
 Acq: 13 Nov 2023 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#16



Tgt Ion: 75 Resp: 155233
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.4 101.2#
 89 0.0 38.8 58.2#

