

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080066.D
 Acq On : 13 Nov 2023 15:06
 Operator : JC\MD
 Sample : PB157075ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#07

Quant Time: Nov 14 19:24:37 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)

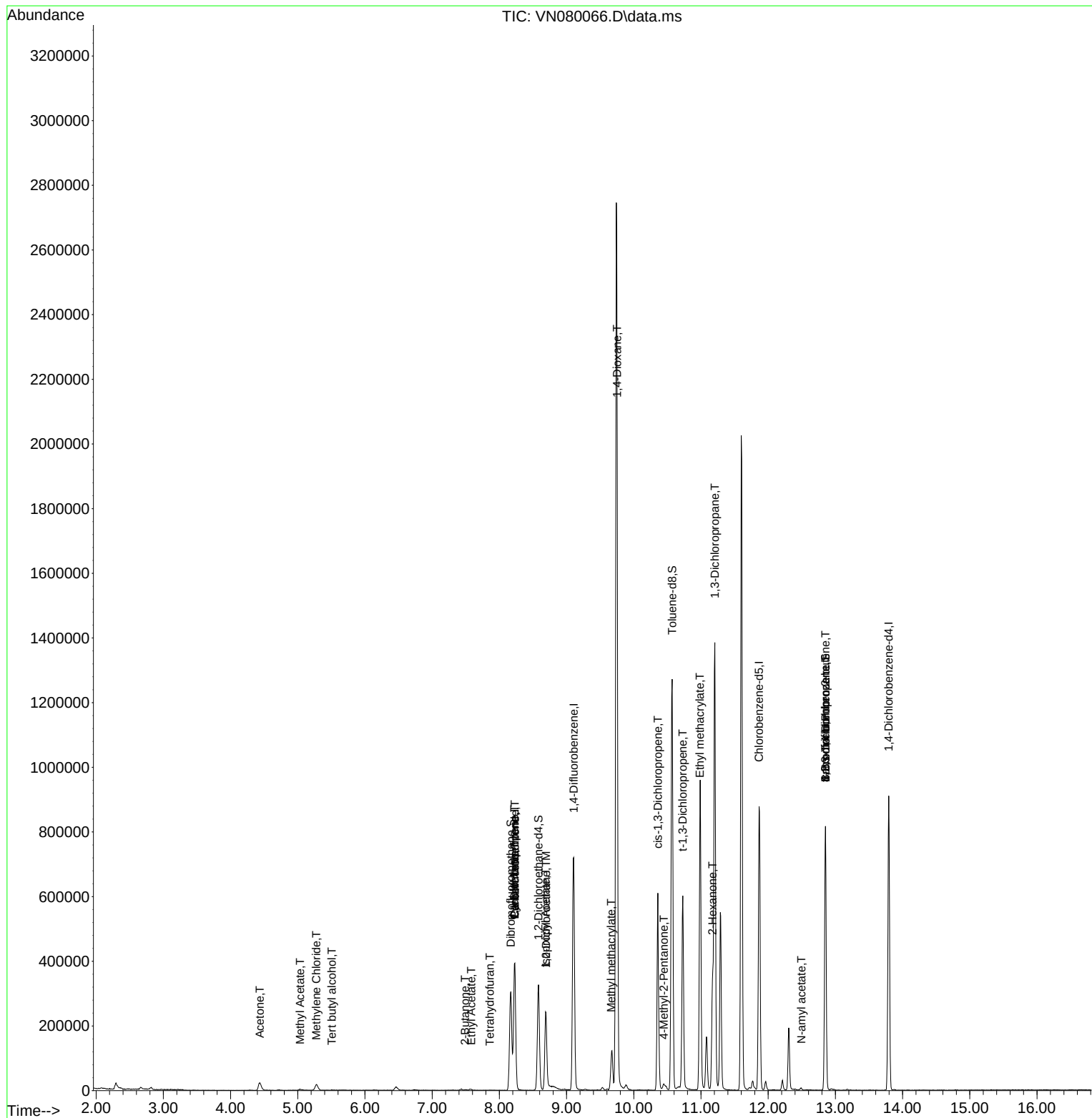
Internal Standards						
1) Pentafluorobenzene	8.229	168	278928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	639152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	518037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	239789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	259899	61.159	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 122.320%	
35) Dibromofluoromethane	8.171	113	224539	49.637	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.280%	
50) Toluene-d8	10.570	98	898405	53.948	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.900%	
62) 4-Bromofluorobenzene	12.853	95	283805	51.386	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1077	Below Cal	#	81
11) Tert butyl alcohol	5.506	59	155	0.286	ug/l #	72
16) Acetone	4.436	43	46735	31.309	ug/l	100
18) Methyl Acetate	5.036	43	6084	0.852	ug/l #	85
20) Methylene Chloride	5.277	84	14180	3.765	ug/l	90
25) 2-Butanone	7.488	43	2100	0.961	ug/l #	86
29) Tetrahydrofuran	7.859	42	565	0.397	ug/l #	28
31) Cyclohexane	8.224	56	6948	1.237	ug/l #	36
36) 1,1-Dichloropropene	8.224	75	24499	3.793	ug/l #	48
37) Ethyl Acetate	7.582	43	6147	1.038	ug/l #	63
38) Carbon Tetrachloride	8.229	117	30533	4.691	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	1721	0.255	ug/l #	73
43) Isopropyl Acetate	8.688	43	274642	26.437	ug/l #	83
48) Methyl methacrylate	9.665	41	7465	1.641	ug/l #	3
49) 1,4-Dioxane	9.753	88	564	7.015	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	21803	3.728	ug/l #	68
53) t-1,3-Dichloropropene	10.729	75	1867	0.265	ug/l #	58
54) cis-1,3-Dichloropropene	10.359	75	98908	12.857	ug/l #	69
56) Ethyl methacrylate	10.982	69	4453	0.677	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	14096	1.734	ug/l #	43
59) 2-Hexanone	11.170	43	268417	59.993	ug/l #	19
71) Bromoform	12.853	173	2107	0.733	ug/l #	1
74) N-amyl acetate	12.494	43	2446	0.308	ug/l #	43
76) 1,2,3-Trichloropropane	12.853	75	150216	26.684	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	150216	72.600	ug/l #	15

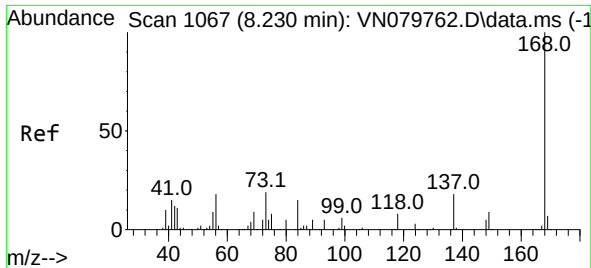
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

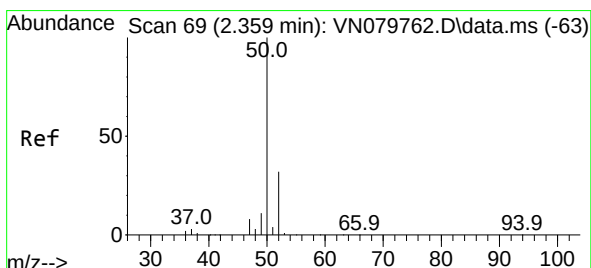
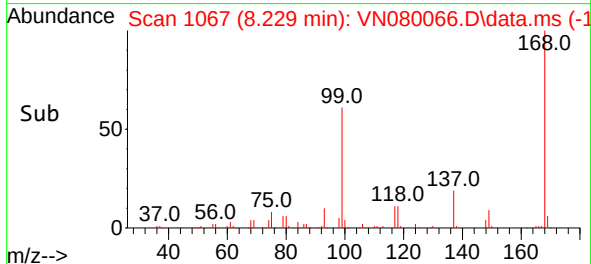
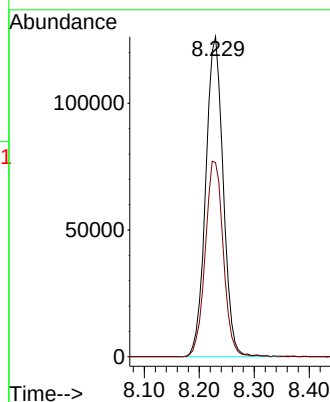
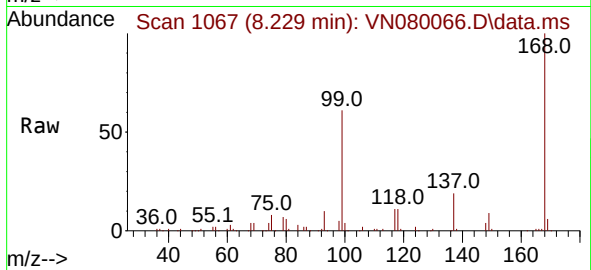




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

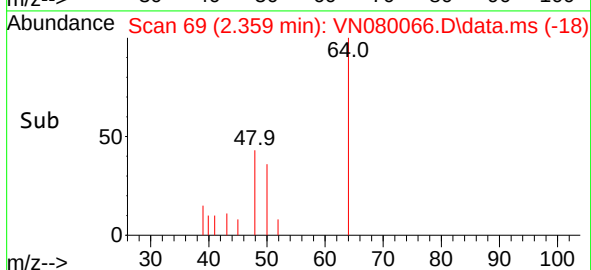
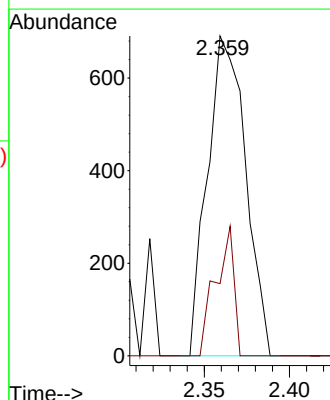
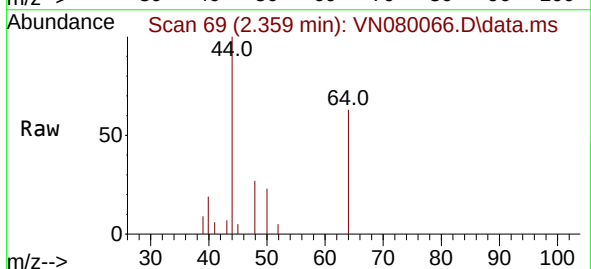
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#07

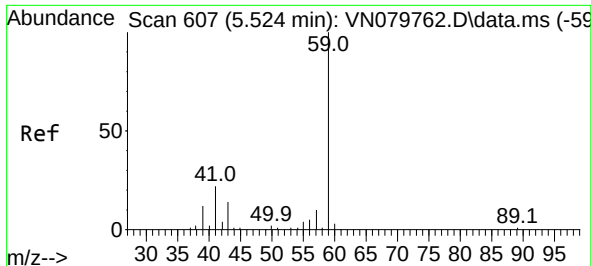
Tgt Ion:168 Resp: 278928
Ion Ratio Lower Upper
168 100
99 60.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

Tgt Ion: 50 Resp: 1077
Ion Ratio Lower Upper
50 100
52 22.6 26.5 39.7#

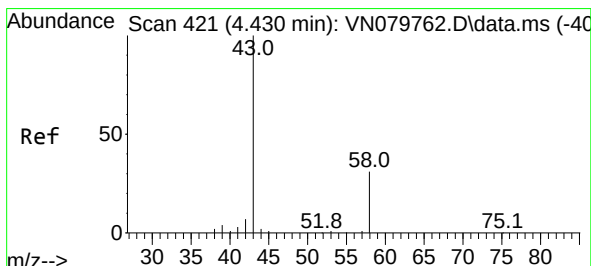
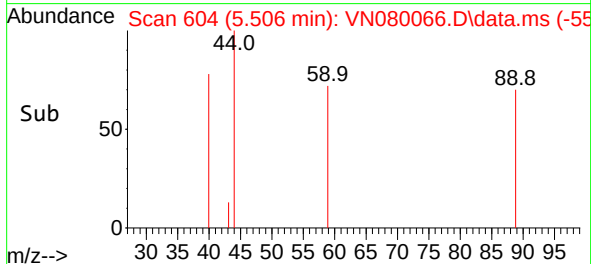
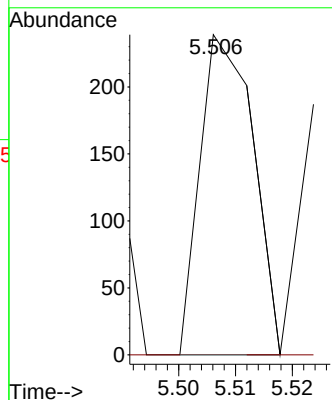
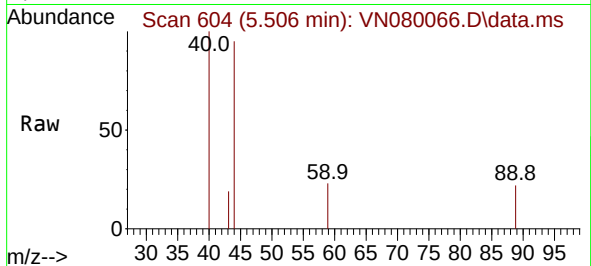




#11
Tert butyl alcohol
Concen: 0.286 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

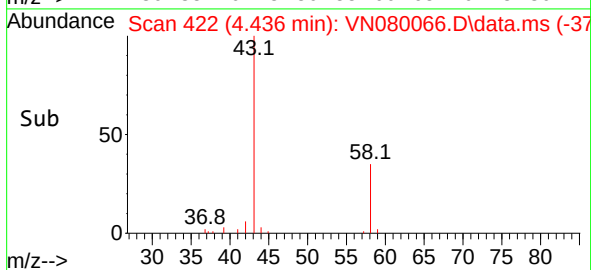
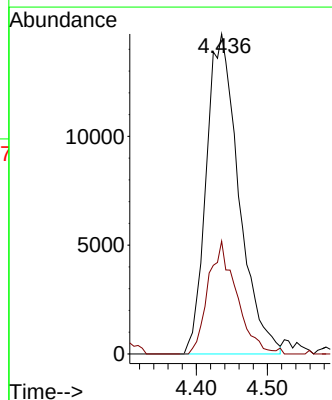
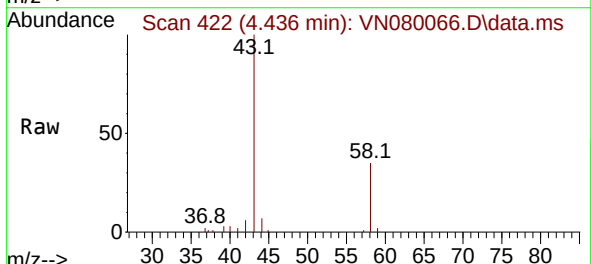
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#07

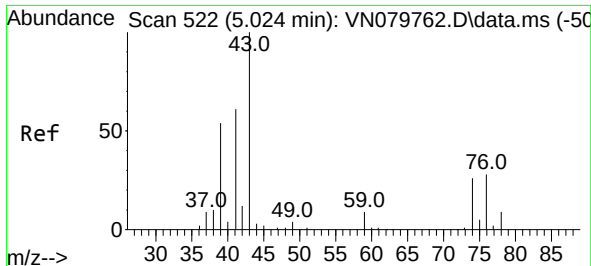
Tgt Ion: 59 Resp: 155
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 31.309 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

Tgt Ion: 43 Resp: 46735
Ion Ratio Lower Upper
43 100
58 35.2 28.0 42.0





#18

Methyl Acetate

Concen: 0.852 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN080066.D

Acq: 13 Nov 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

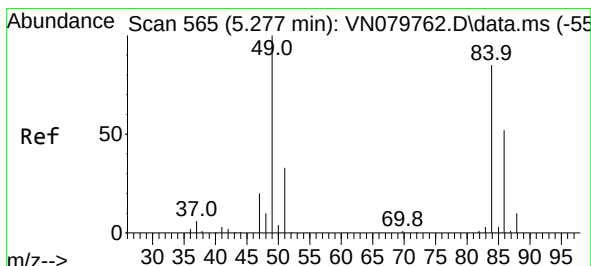
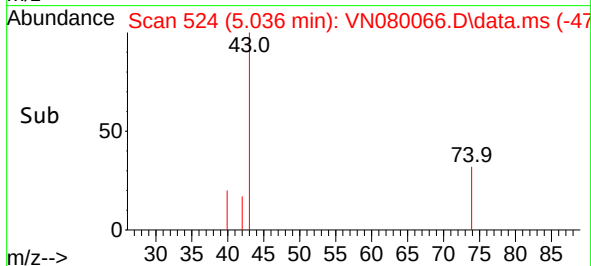
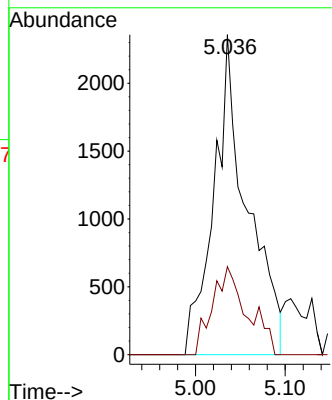
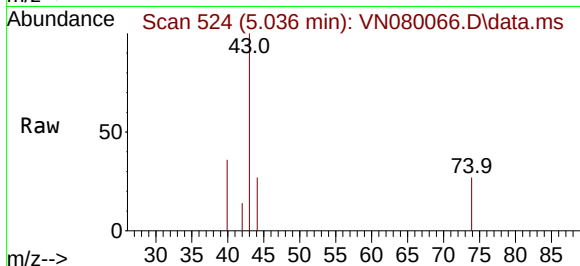
PB157075ZHE#07

Tgt Ion: 43 Resp: 6084

Ion Ratio Lower Upper

43 100

74 24.5 26.2 39.4#



#20

Methylene Chloride

Concen: 3.765 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN080066.D

Acq: 13 Nov 2023 15:06

Tgt Ion: 84 Resp: 14180

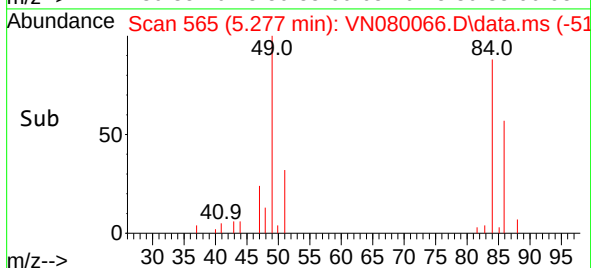
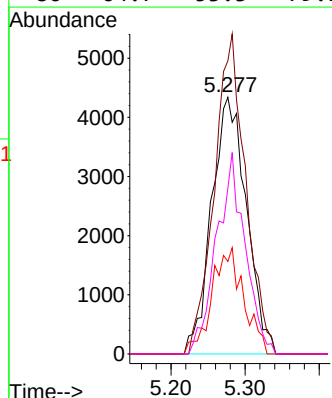
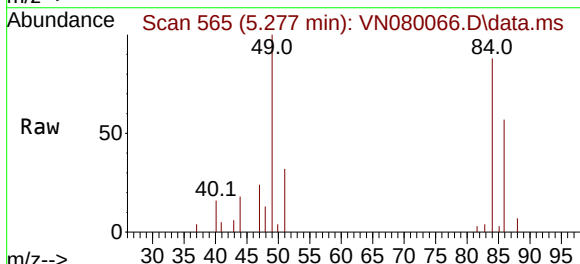
Ion Ratio Lower Upper

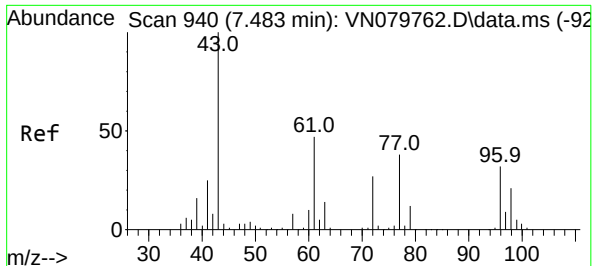
84 100

49 114.2 79.7 119.5

51 36.1 25.2 37.8

86 64.7 53.3 79.9





#25

2-Butanone

Concen: 0.961 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN080066.D

Acq: 13 Nov 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

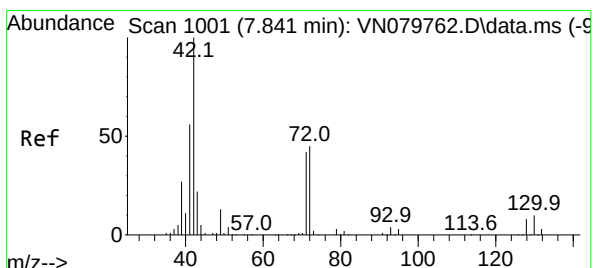
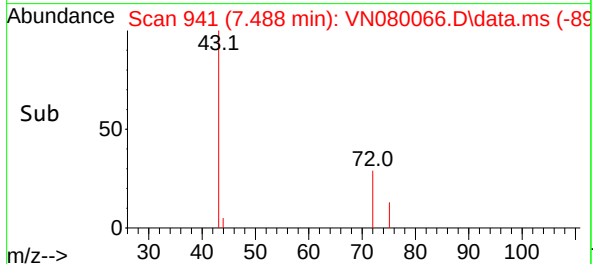
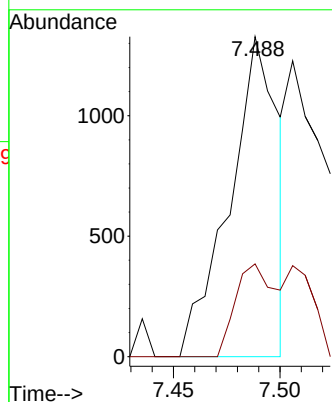
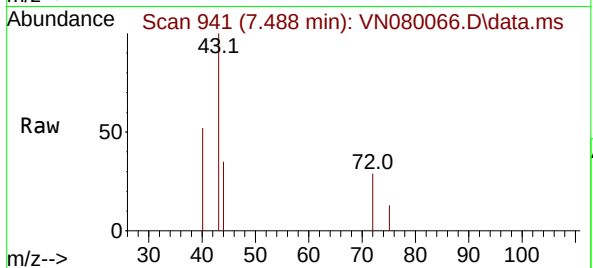
PB157075ZHE#07

Tgt Ion: 43 Resp: 2100

Ion Ratio Lower Upper

43 100

72 29.0 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.397 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.018 min

Lab File: VN080066.D

Acq: 13 Nov 2023 15:06

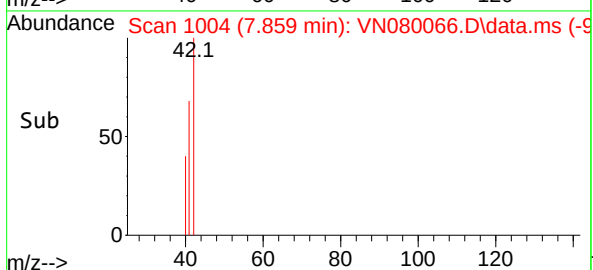
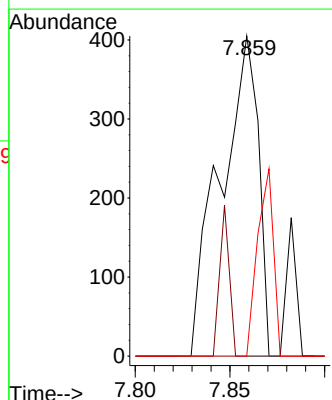
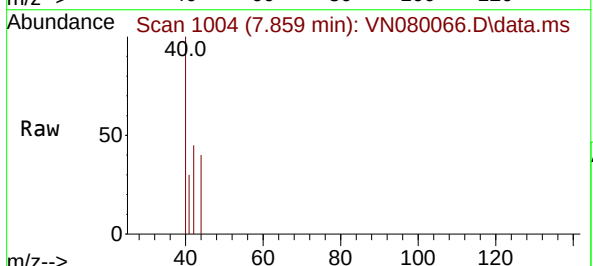
Tgt Ion: 42 Resp: 565

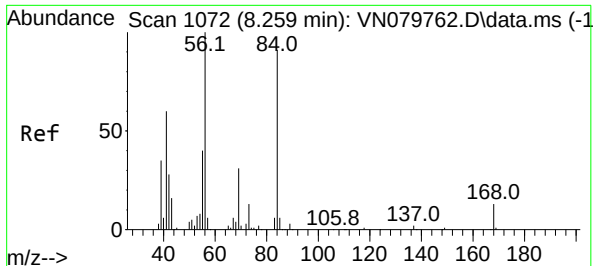
Ion Ratio Lower Upper

42 100

72 11.9 49.8 74.6#

71 0.0 47.4 71.2#

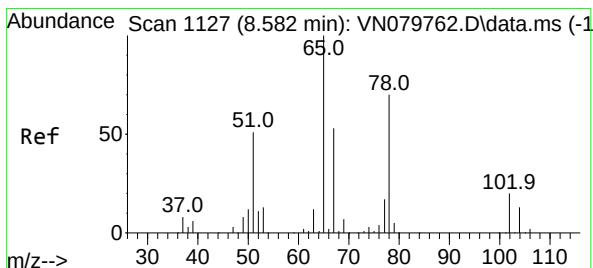
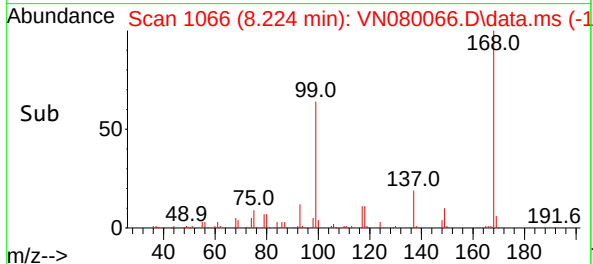
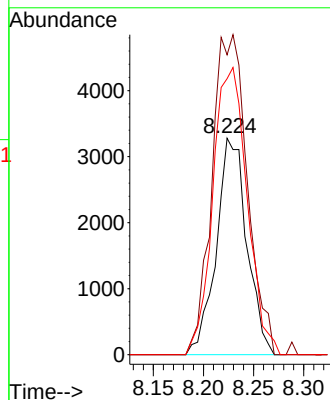
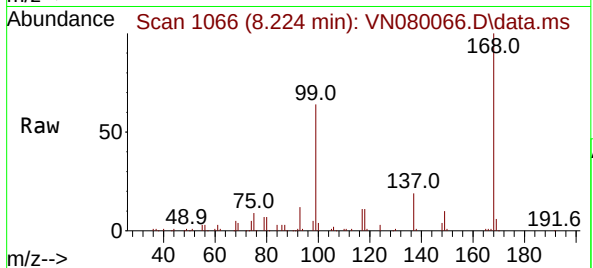




#31
Cyclohexane
Concen: 1.237 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

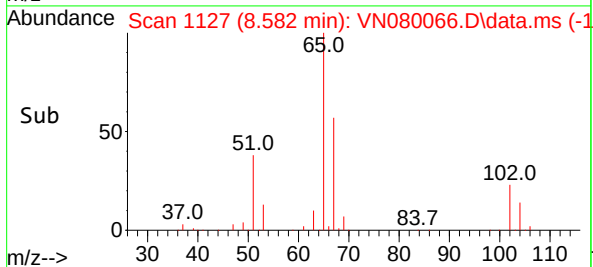
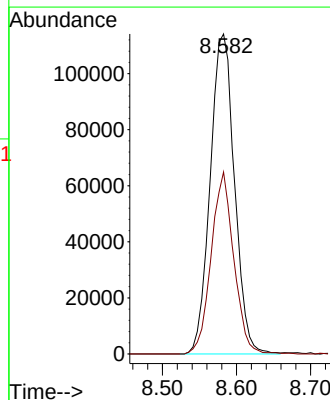
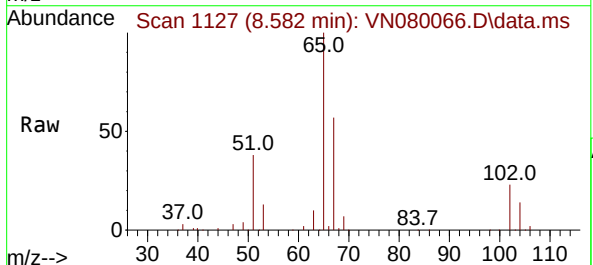
Instrument :
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PB157075ZHE#07

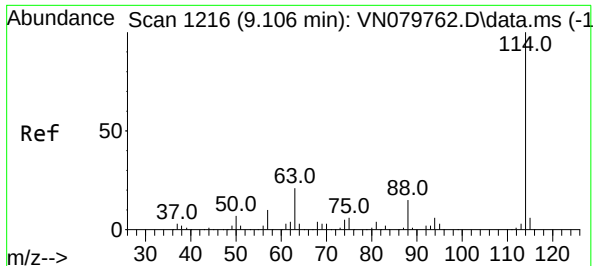
Tgt Ion: 56 Resp: 6948
Ion Ratio Lower Upper
56 100
69 138.4 26.8 40.2#
84 127.5 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 61.159 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

Tgt Ion: 65 Resp: 259899
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN080066.D

Acq: 13 Nov 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#07

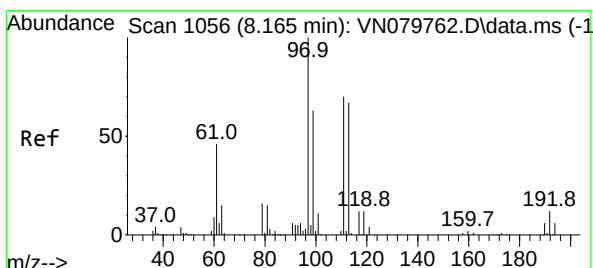
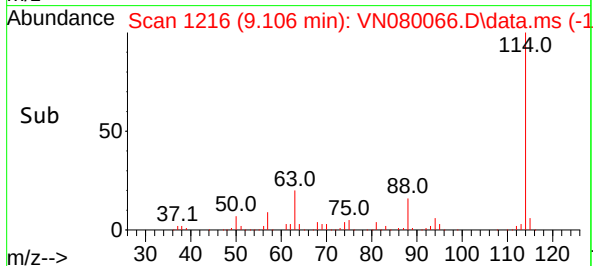
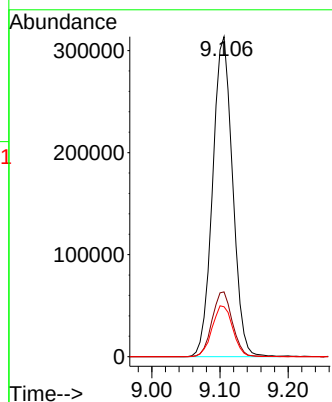
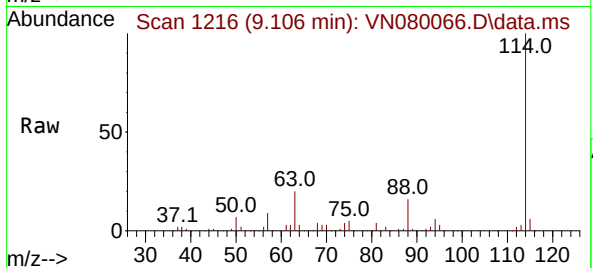
Tgt Ion:114 Resp: 639152

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.637 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN080066.D

Acq: 13 Nov 2023 15:06

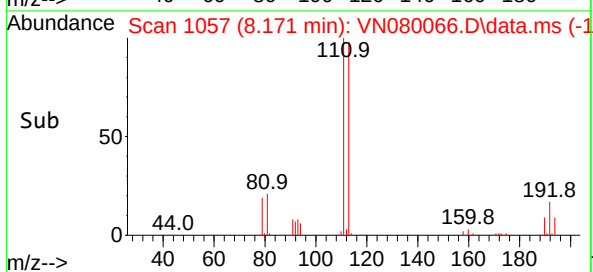
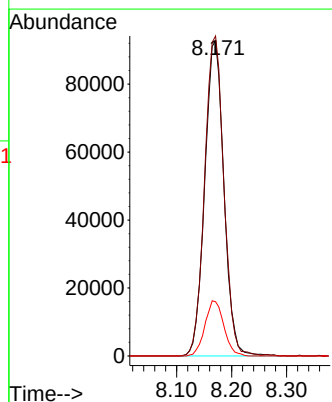
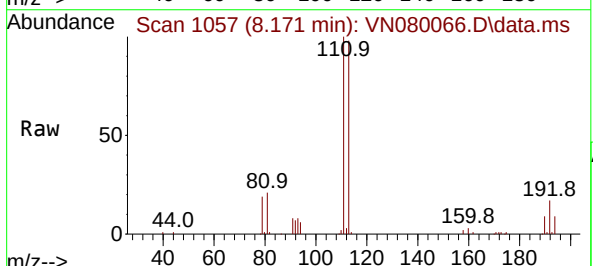
Tgt Ion:113 Resp: 224539

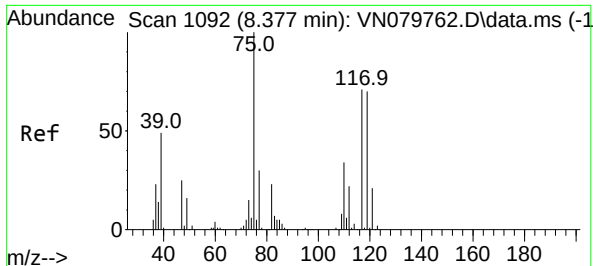
Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

192 17.3 12.7 19.1





#36

1,1-Dichloropropene

Concen: 3.793 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN080066.D

Acq: 13 Nov 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#07

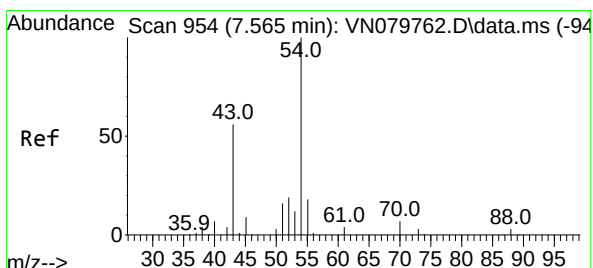
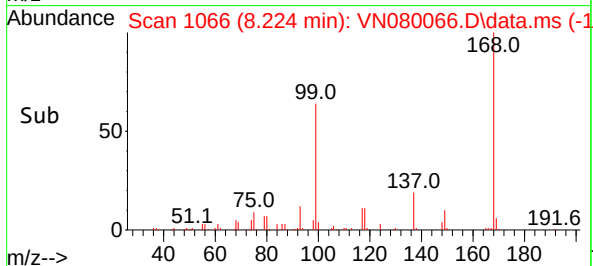
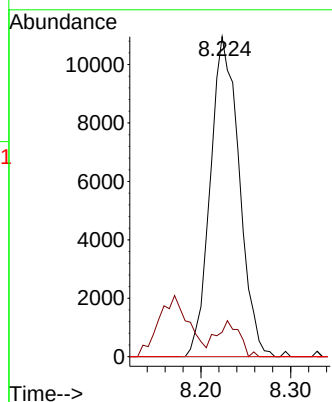
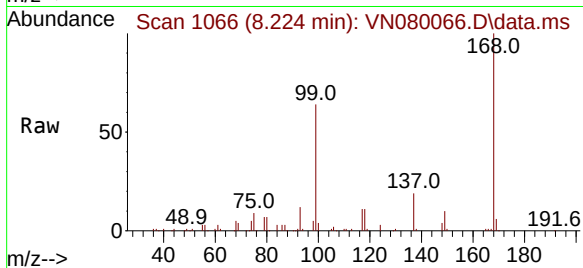
Tgt Ion: 75 Resp: 24499

Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.038 ug/l

RT: 7.582 min Scan# 957

Delta R.T. 0.018 min

Lab File: VN080066.D

Acq: 13 Nov 2023 15:06

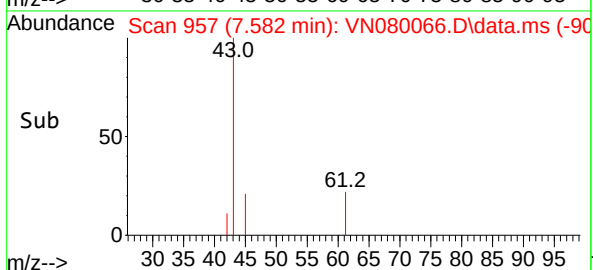
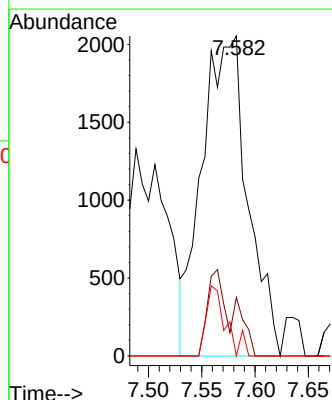
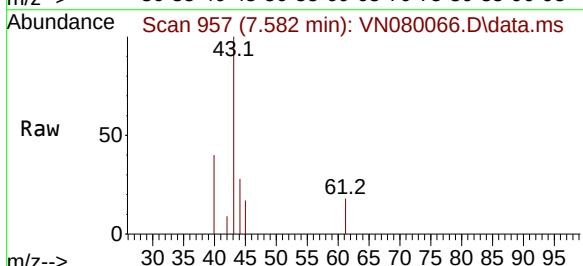
Tgt Ion: 43 Resp: 6147

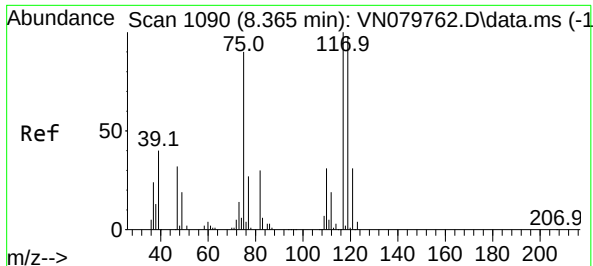
Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

70 0.0 11.3 16.9#

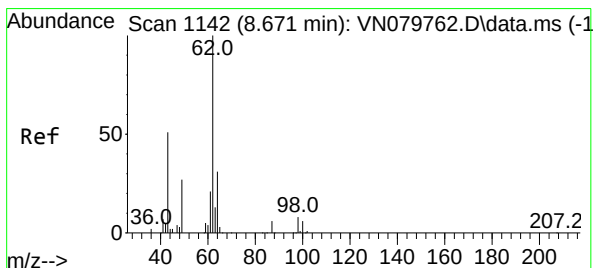
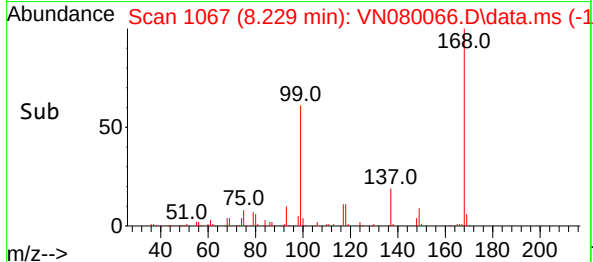
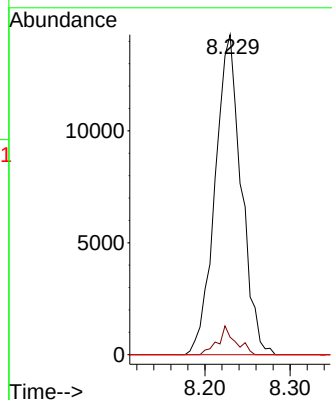
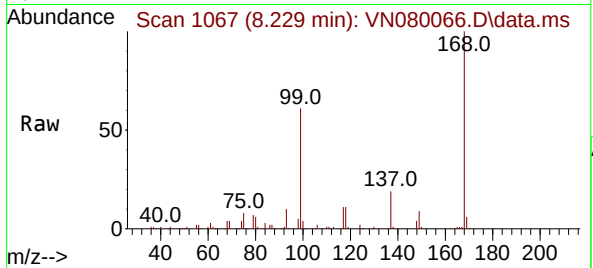




#38
Carbon Tetrachloride
Concen: 4.691 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

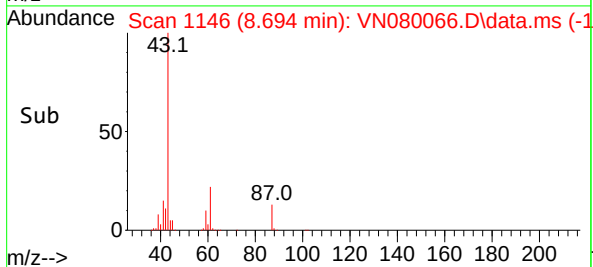
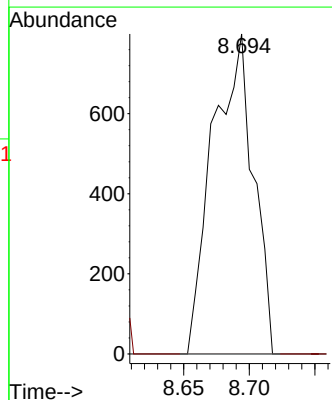
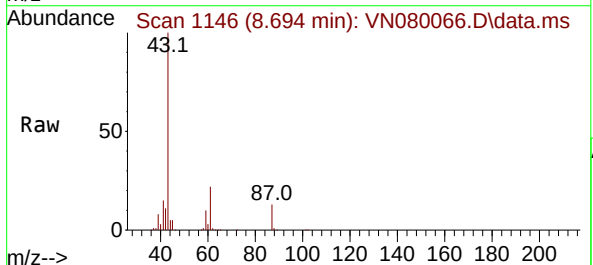
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#07

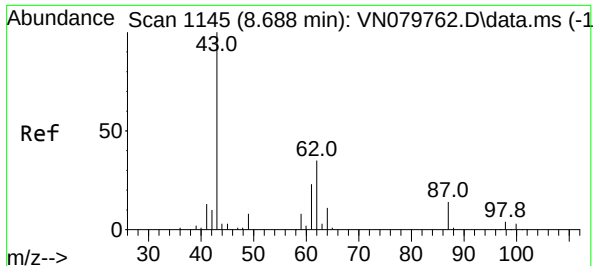
Tgt Ion:117 Resp: 30533
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.255 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.023 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

Tgt Ion: 62 Resp: 1721
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

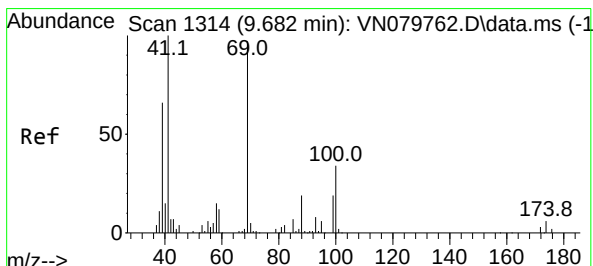
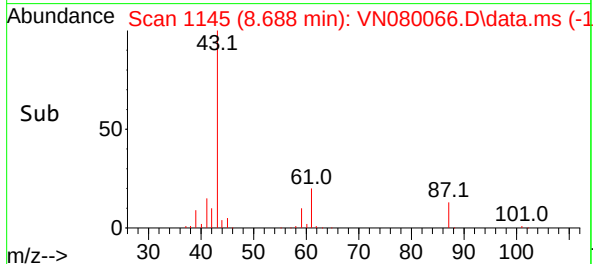
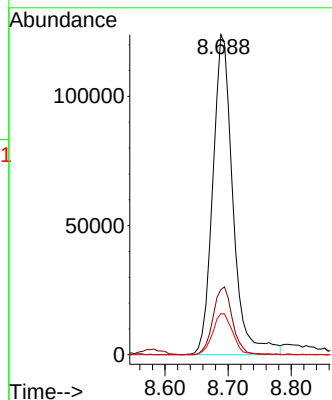
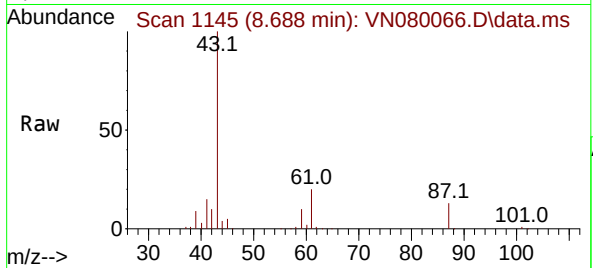




#43
Isopropyl Acetate
Concen: 26.437 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

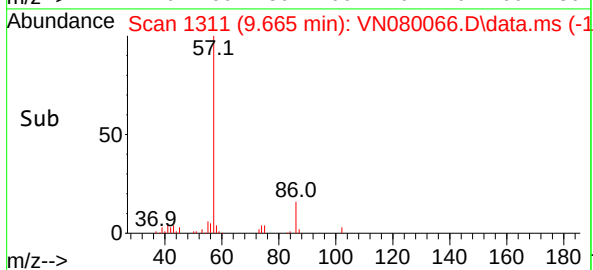
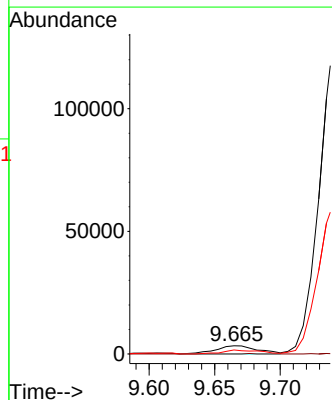
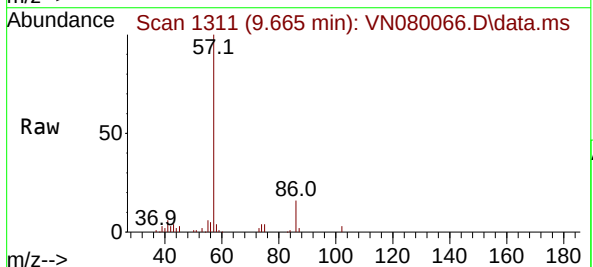
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#07

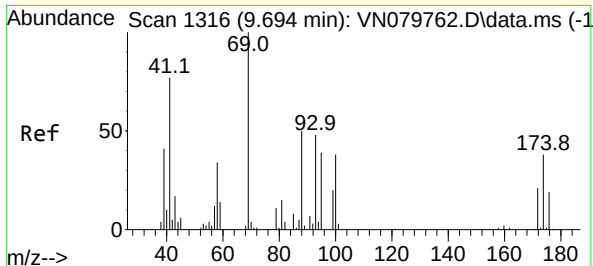
Tgt Ion: 43 Resp: 274642
Ion Ratio Lower Upper
43 100
61 20.4 24.7 37.1#
87 12.7 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.641 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

Tgt Ion: 41 Resp: 7465
Ion Ratio Lower Upper
41 100
69 0.9 90.4 135.6#
39 0.0 54.6 81.8#





#49

1,4-Dioxane

Concen: 7.015 ug/l

RT: 9.753 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN080066.D

Acq: 13 Nov 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#07

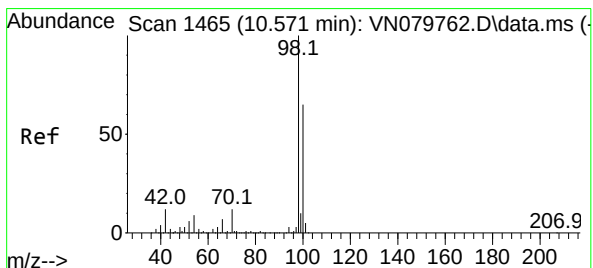
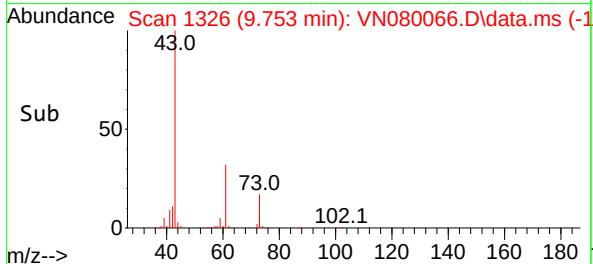
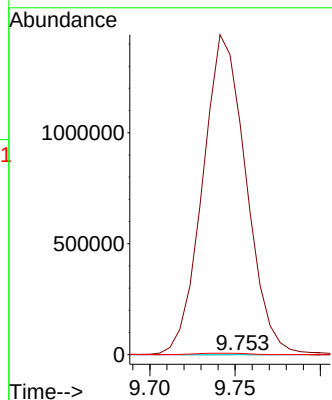
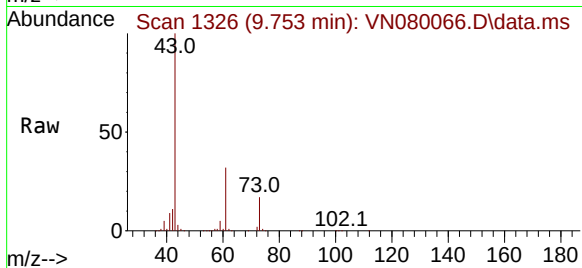
Tgt Ion: 88 Resp: 564

Ion Ratio Lower Upper

88 100

43 455006.6 17.0 25.6#

58 2721.1 47.0 70.4#



#50

Toluene-d8

Concen: 53.948 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN080066.D

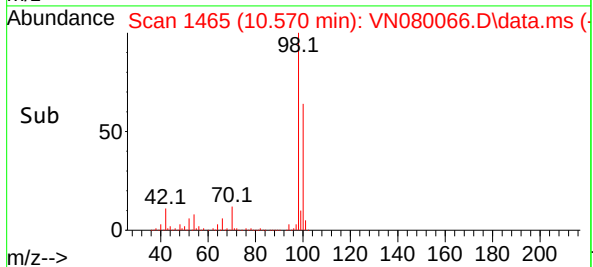
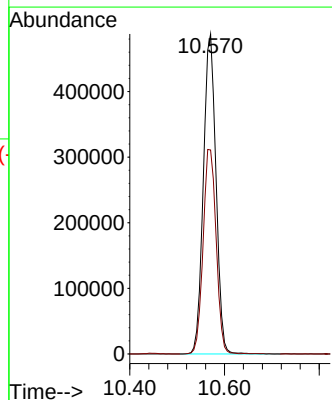
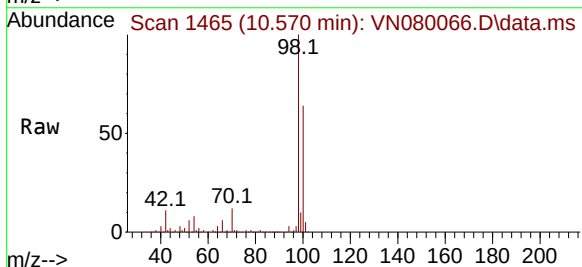
Acq: 13 Nov 2023 15:06

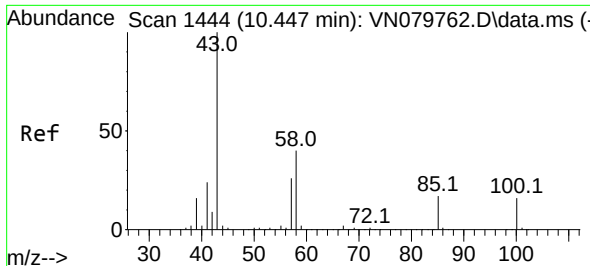
Tgt Ion: 98 Resp: 898405

Ion Ratio Lower Upper

98 100

100 66.0 52.0 78.0

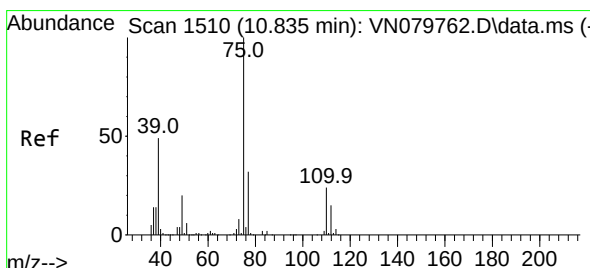
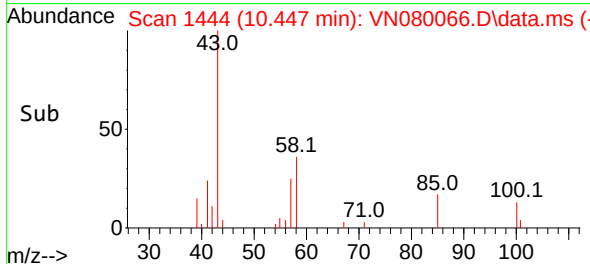
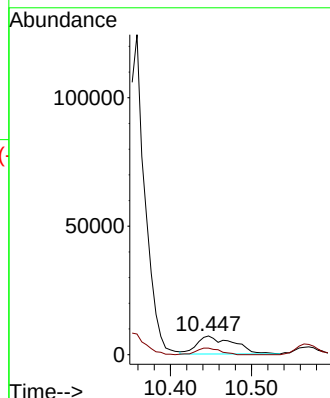
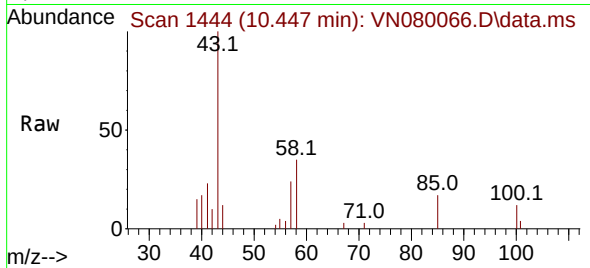




#51
4-Methyl-2-Pentanone
Concen: 3.728 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

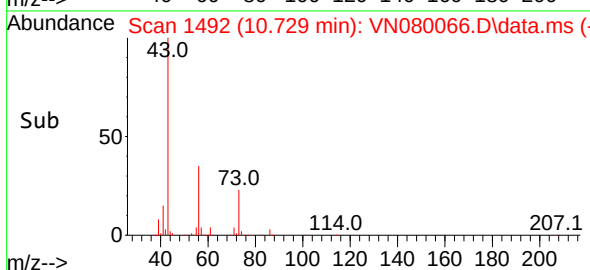
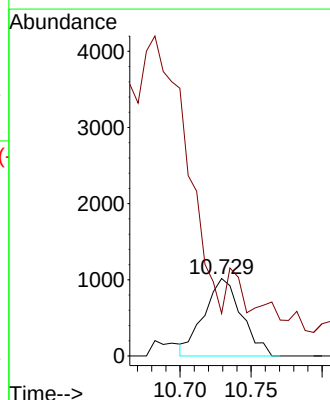
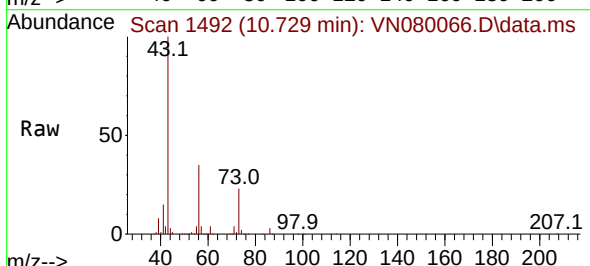
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#07

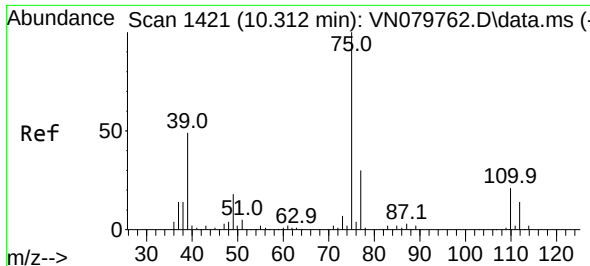
Tgt Ion: 43 Resp: 21803
Ion Ratio Lower Upper
43 100
58 24.4 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.265 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

Tgt Ion: 75 Resp: 1867
Ion Ratio Lower Upper
75 100
77 8.7 25.4 38.0#

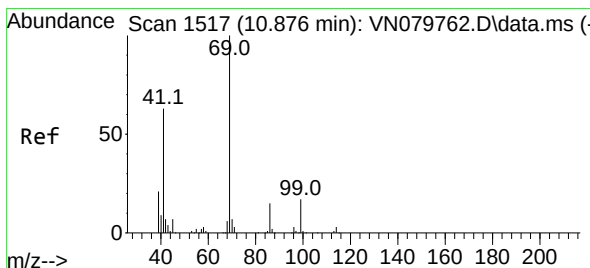
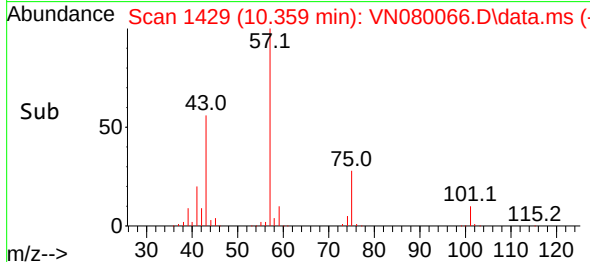
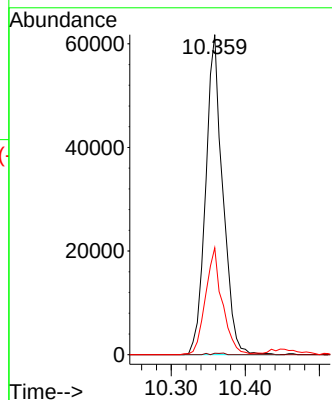
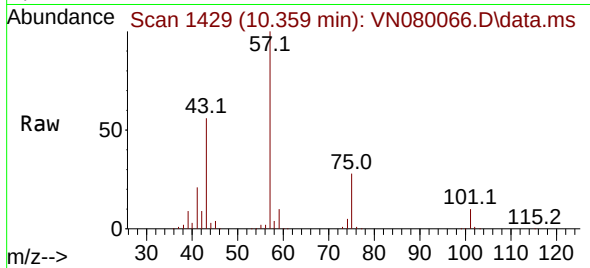




#54
 cis-1,3-Dichloropropene
 Concen: 12.857 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080066.D
 Acq: 13 Nov 2023 15:06

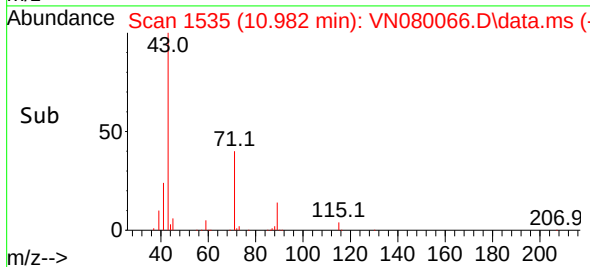
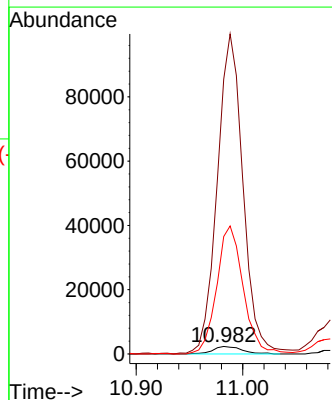
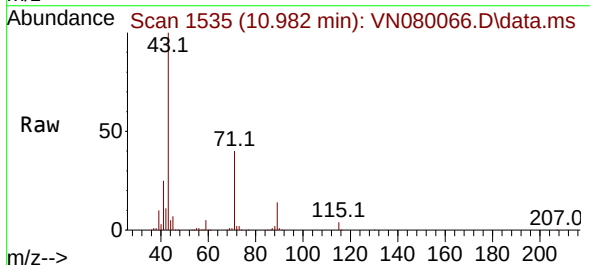
Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#07

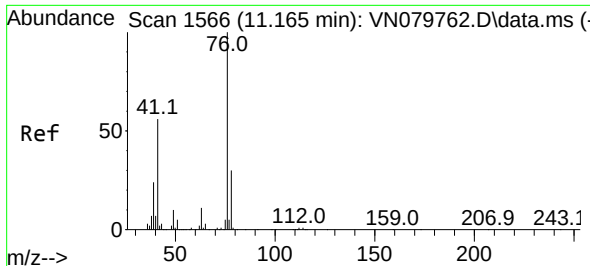
Tgt Ion: 75 Resp: 98908
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.1 39.1#
 39 33.4 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.677 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN080066.D
 Acq: 13 Nov 2023 15:06

Tgt Ion: 69 Resp: 4453
 Ion Ratio Lower Upper
 69 100
 41 3759.2 39.6 59.4#
 39 1547.0 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.734 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN080066.D

Acq: 13 Nov 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

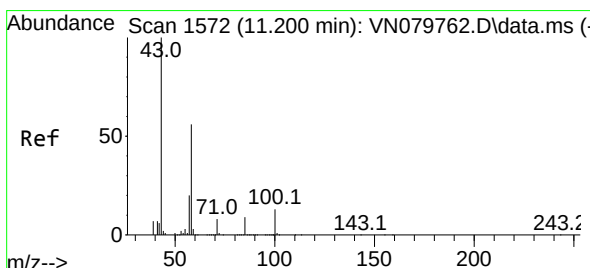
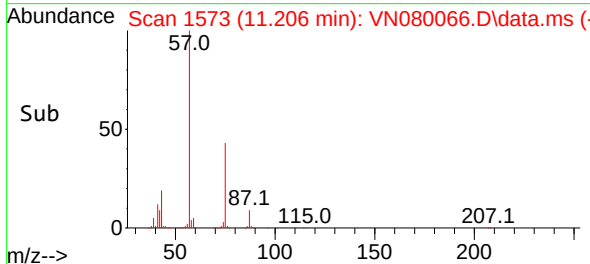
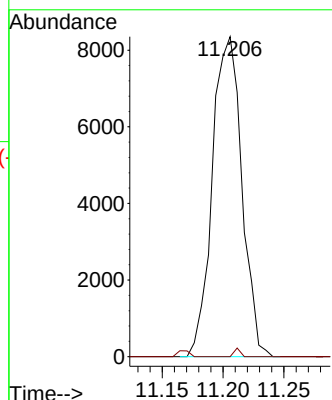
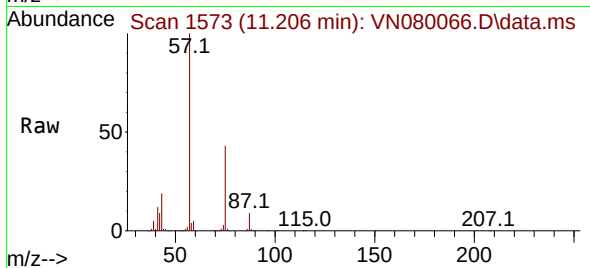
PB157075ZHE#07

Tgt Ion: 76 Resp: 14096

Ion Ratio Lower Upper

76 100

78 0.6 26.1 39.1#



#59

2-Hexanone

Concen: 59.993 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN080066.D

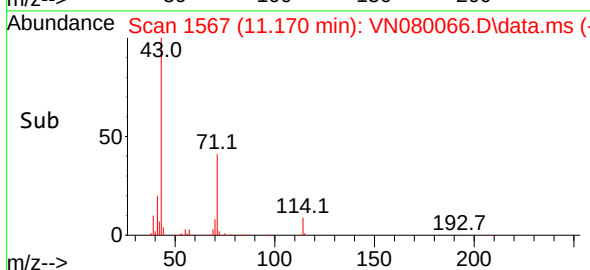
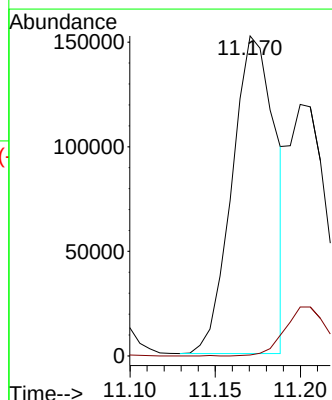
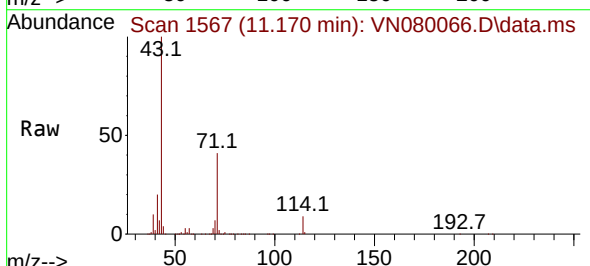
Acq: 13 Nov 2023 15:06

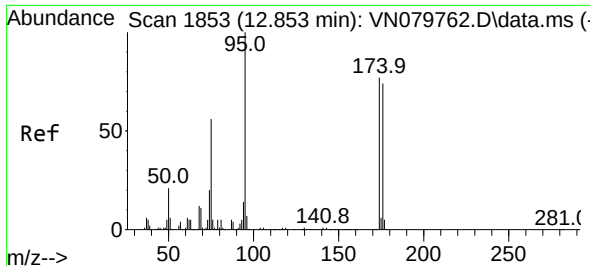
Tgt Ion: 43 Resp: 268417

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

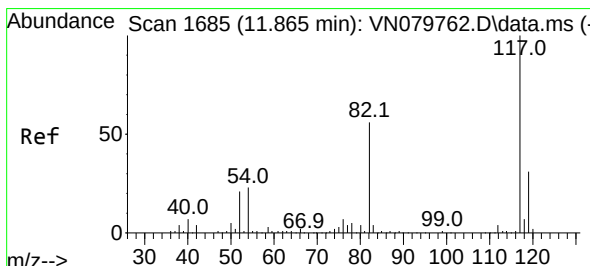
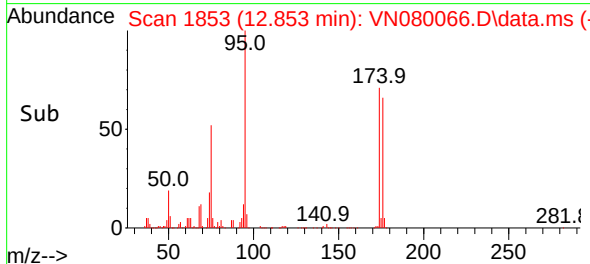
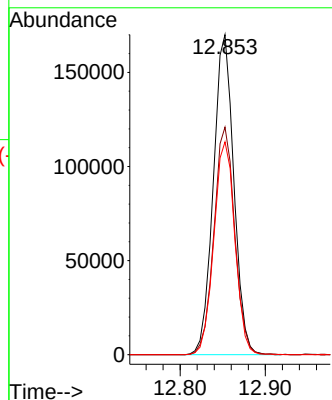
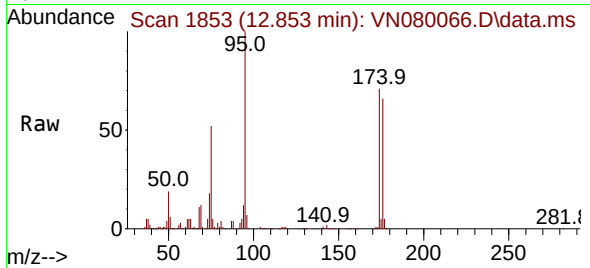




#62
4-Bromofluorobenzene
Concen: 51.386 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

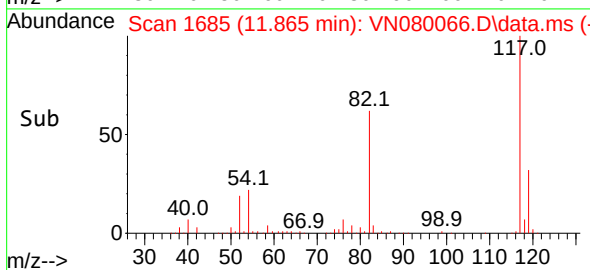
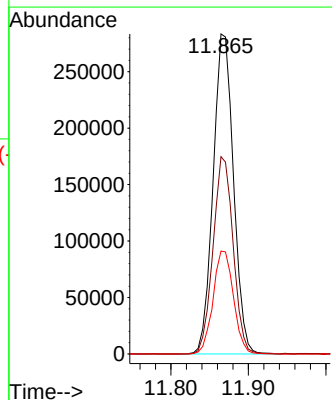
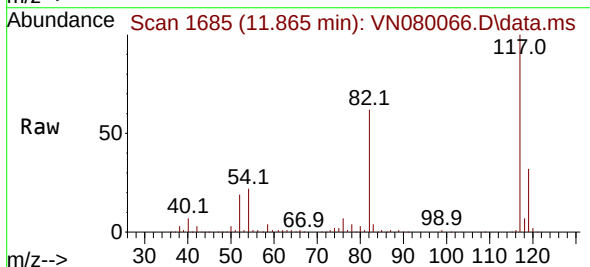
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#07

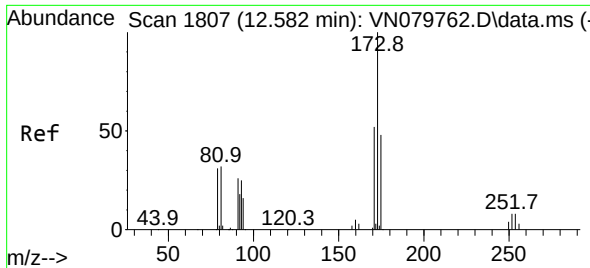
Tgt Ion: 95 Resp: 283805
Ion Ratio Lower Upper
95 100
174 72.4 0.0 143.8
176 68.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

Tgt Ion: 117 Resp: 518037
Ion Ratio Lower Upper
117 100
82 61.6 44.0 66.0
119 32.2 25.6 38.4

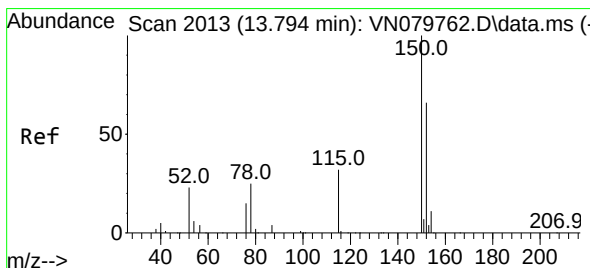
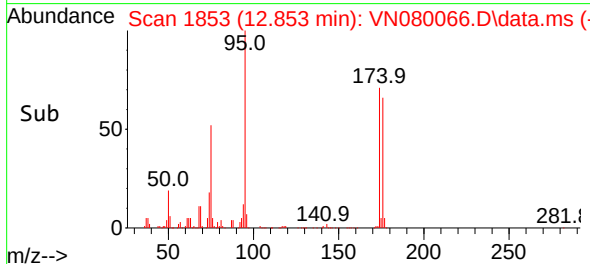
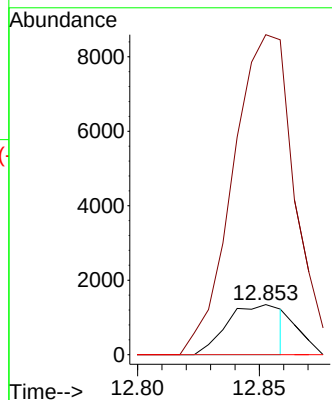
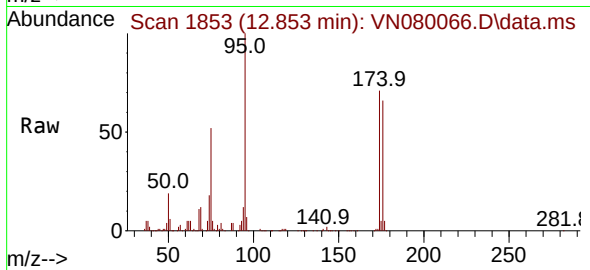




#71
Bromoform
Concen: 0.733 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

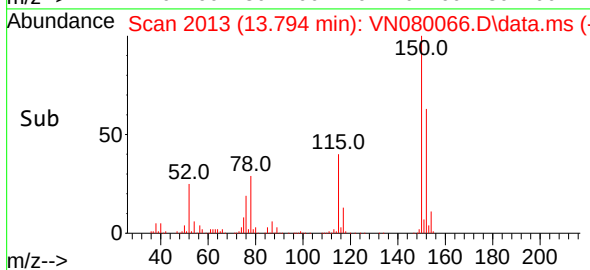
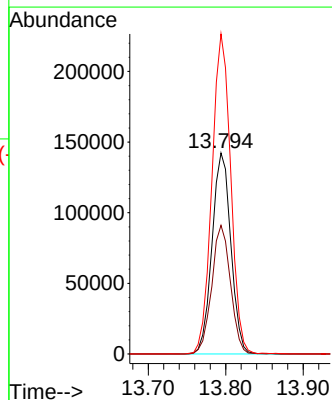
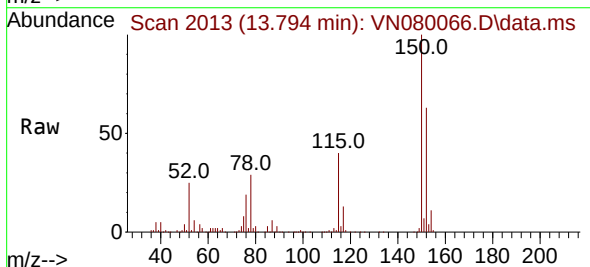
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#07

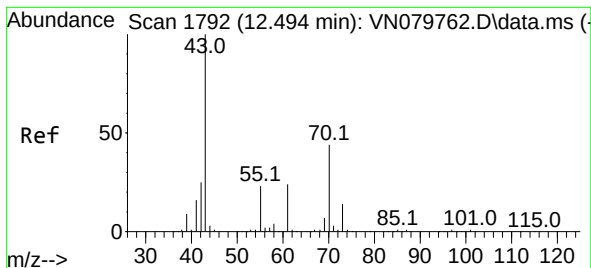
Tgt Ion:173 Resp: 2107
Ion Ratio Lower Upper
173 100
175 595.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080066.D
Acq: 13 Nov 2023 15:06

Tgt Ion:152 Resp: 239789
Ion Ratio Lower Upper
152 100
115 63.7 32.3 96.8
150 158.8 0.0 355.8





#74

N-amy1 acetate

Concen: 0.308 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080066.D

Acq: 13 Nov 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#07

Tgt Ion: 43 Resp: 2446

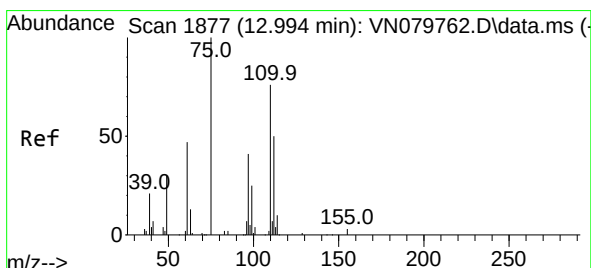
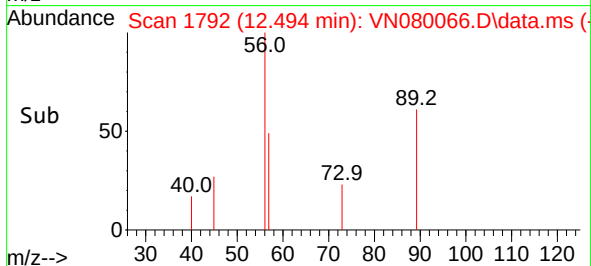
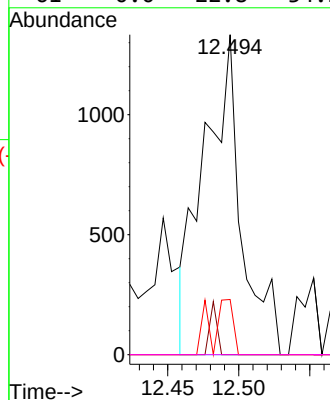
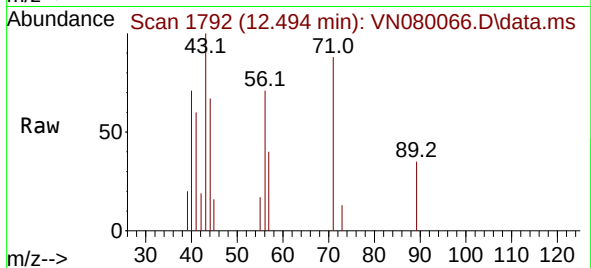
Ion Ratio Lower Upper

43 100

70 3.2 43.4 65.2#

55 9.9 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 26.684 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080066.D

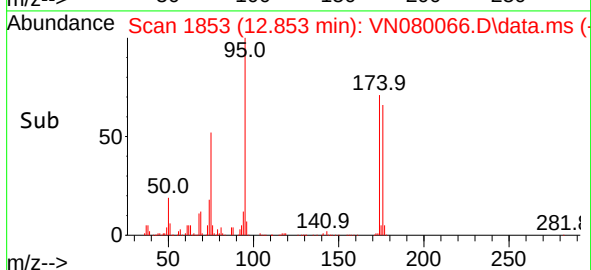
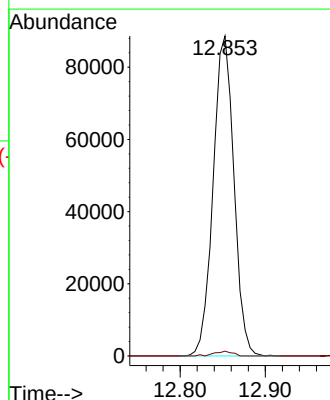
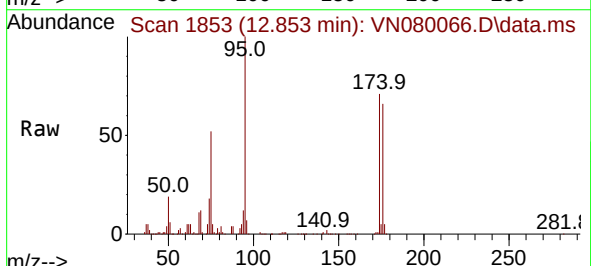
Acq: 13 Nov 2023 15:06

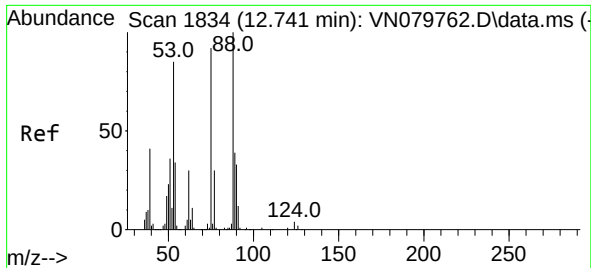
Tgt Ion: 75 Resp: 150216

Ion Ratio Lower Upper

75 100

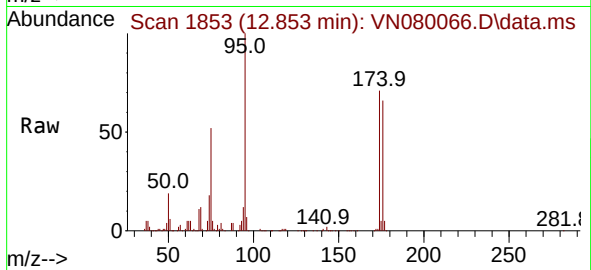
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.600 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN080066.D
 Acq: 13 Nov 2023 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#07



Tgt Ion: 75 Resp: 150216
 Ion Ratio Lower Upper
 75 100
 53 0.3 67.4 101.2#
 89 0.0 38.8 58.2#

