

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080062.D
 Acq On : 13 Nov 2023 13:31
 Operator : JC\MD
 Sample : PB157075ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#03

Quant Time: Nov 14 19:23:45 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

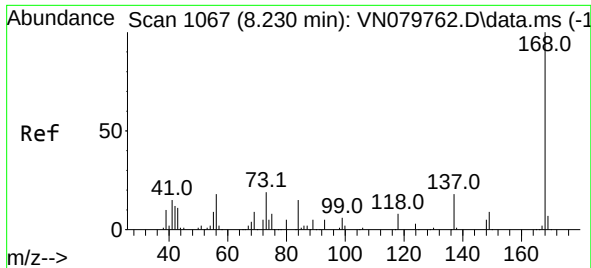
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	189573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	362921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	413174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	171200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	173830	60.186	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.380%	
35) Dibromofluoromethane	8.171	113	134181	52.239	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.480%	
50) Toluene-d8	10.571	98	524830	55.503	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.000%	
62) 4-Bromofluorobenzene	12.847	95	202503	64.572	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 129.140%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	553	Below Cal	#	42
5) Bromomethane	2.971	94	512	0.282	ug/l #	54
11) Tert butyl alcohol	5.524	59	819	2.221	ug/l #	72
16) Acetone	4.424	43	37365	36.831	ug/l	96
18) Methyl Acetate	5.042	43	2048	0.422	ug/l #	57
20) Methylene Chloride	5.277	84	13708	5.355	ug/l #	90
25) 2-Butanone	7.483	43	1663	1.119	ug/l #	85
29) Tetrahydrofuran	7.847	42	426	0.441	ug/l #	20
31) Cyclohexane	8.224	56	4807	1.260	ug/l #	29
36) 1,1-Dichloropropene	8.224	75	16487	4.495	ug/l #	50
37) Ethyl Acetate	7.577	43	3467	1.031	ug/l	97
38) Carbon Tetrachloride	8.224	117	21599	5.844	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	1209	0.315	ug/l #	73
43) Isopropyl Acetate	8.688	43	139838	23.707	ug/l #	86
45) 1,2-Dichloropropane	9.735	63	1554	0.554	ug/l #	45
48) Methyl methacrylate	9.741	41	127840	49.479	ug/l #	27
51) 4-Methyl-2-Pentanone	10.447	43	13374	4.027	ug/l #	69
53) t-1,3-Dichloropropene	10.724	75	993	0.248	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	58384	13.366	ug/l #	67
57) 1,3-Dichloropropane	11.206	76	6650	1.440	ug/l #	42
59) 2-Hexanone	11.171	43	126257	49.698	ug/l #	19
71) Bromoform	12.847	173	740	0.323	ug/l #	1
74) N-amyl acetate	12.488	43	1160	0.205	ug/l #	36
76) 1,2,3-Trichloropropane	12.847	75	110412	27.471	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	110412	74.741	ug/l #	15

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

Quant Time: Nov 14 19:23:45 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

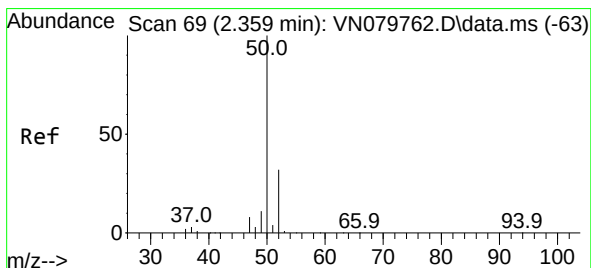
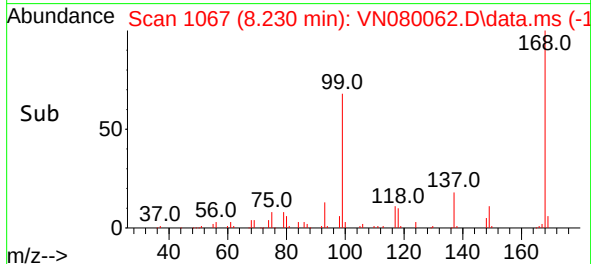
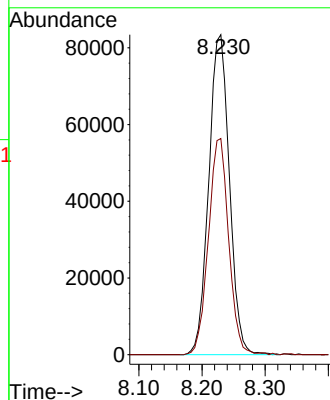
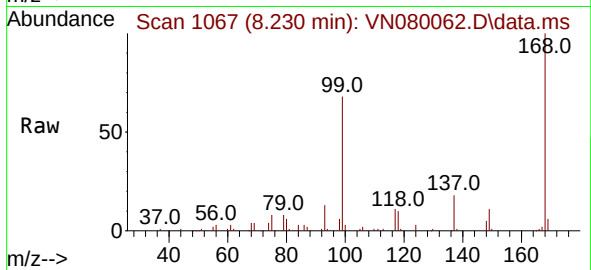




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

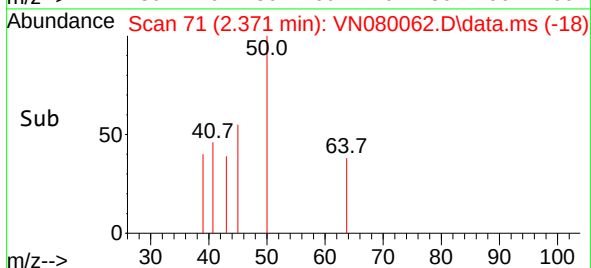
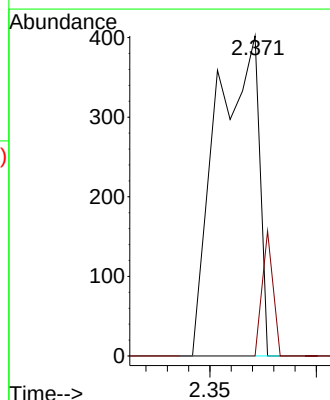
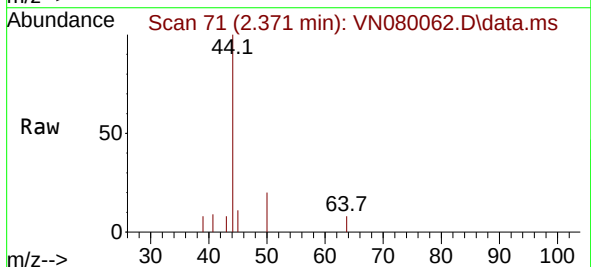
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#03

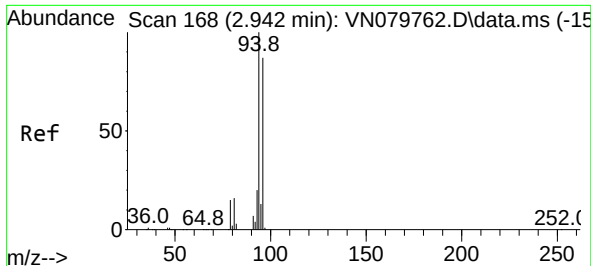
Tgt Ion:168 Resp: 189573
Ion Ratio Lower Upper
168 100
99 67.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

Tgt Ion: 50 Resp: 553
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

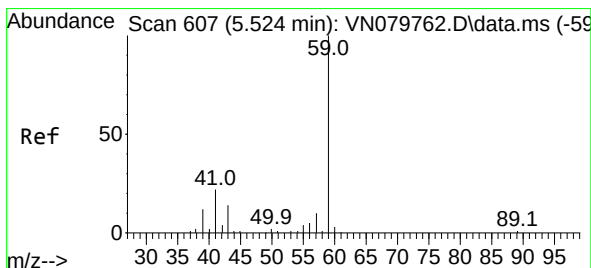
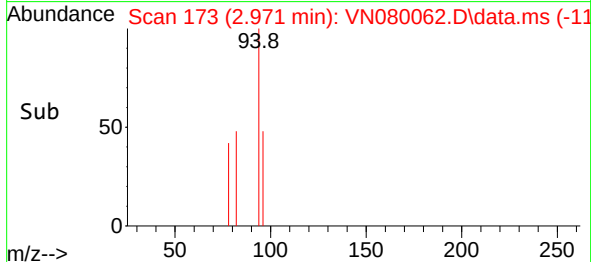
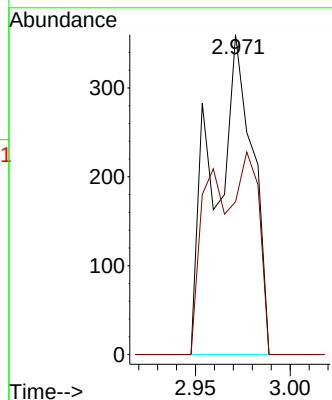
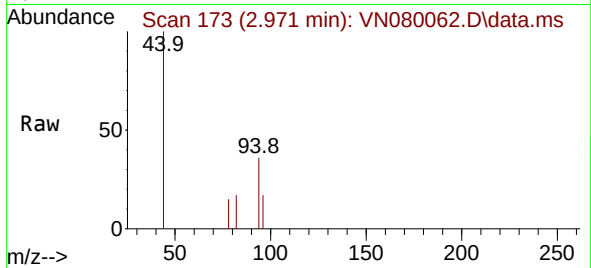




#5
Bromomethane
Concen: 0.282 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

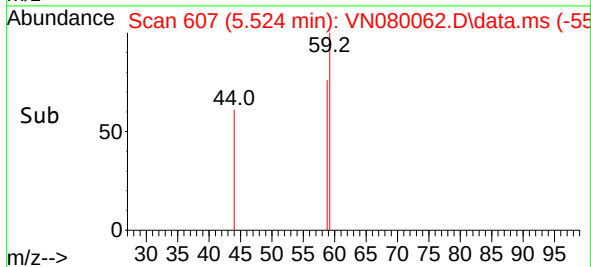
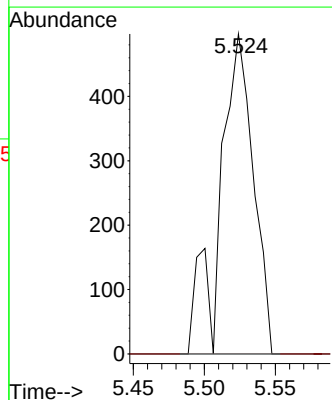
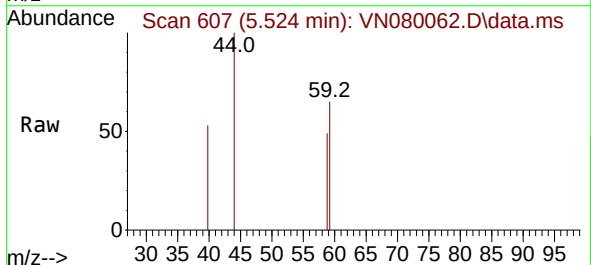
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#03

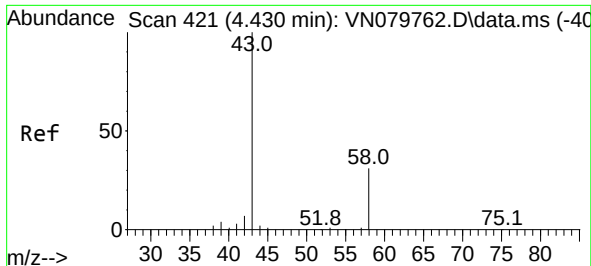
Tgt Ion: 94 Resp: 512
Ion Ratio Lower Upper
94 100
96 47.8 73.1 109.7#



#11
Tert butyl alcohol
Concen: 2.221 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

Tgt Ion: 59 Resp: 819
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

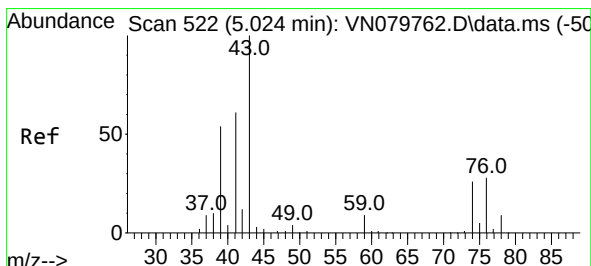
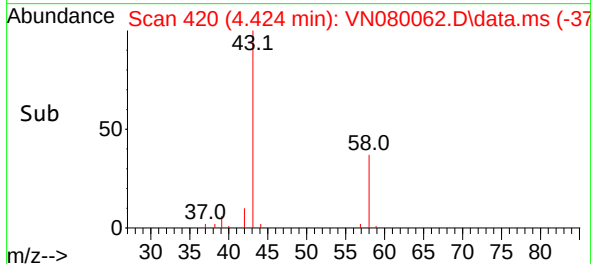
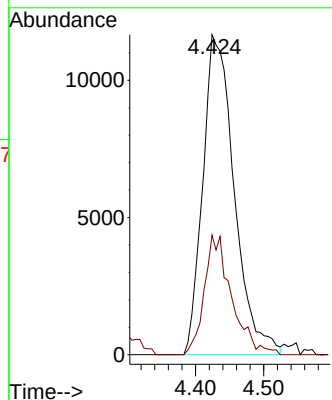
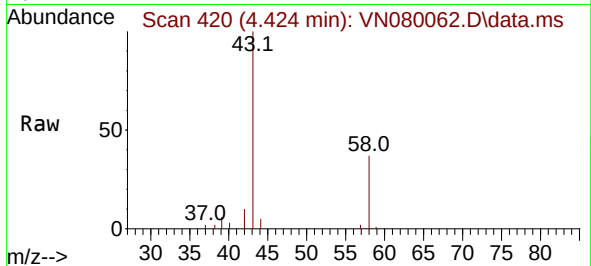




#16
Acetone
Concen: 36.831 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

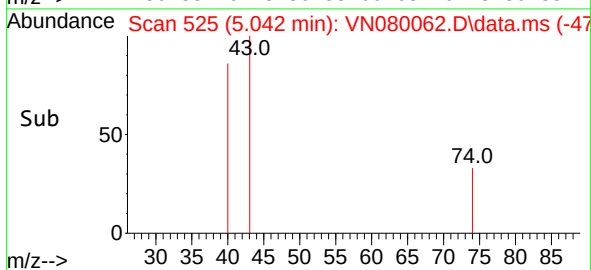
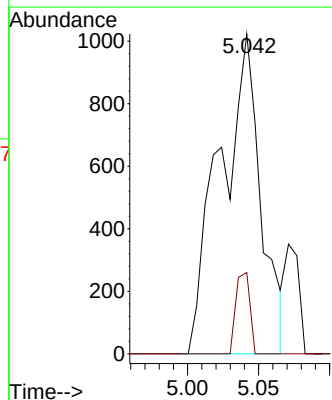
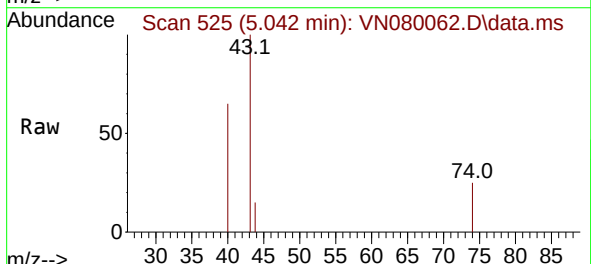
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#03

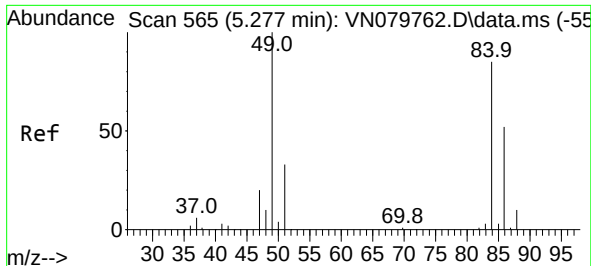
Tgt Ion: 43 Resp: 37365
Ion Ratio Lower Upper
43 100
58 37.3 28.0 42.0



#18
Methyl Acetate
Concen: 0.422 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

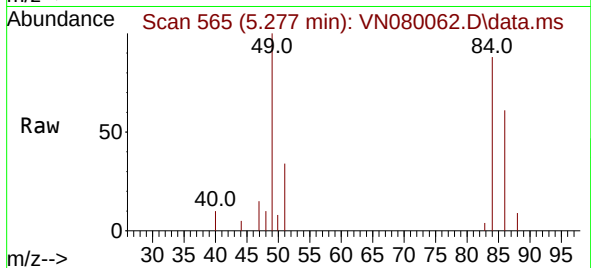
Tgt Ion: 43 Resp: 2048
Ion Ratio Lower Upper
43 100
74 8.7 26.2 39.4#



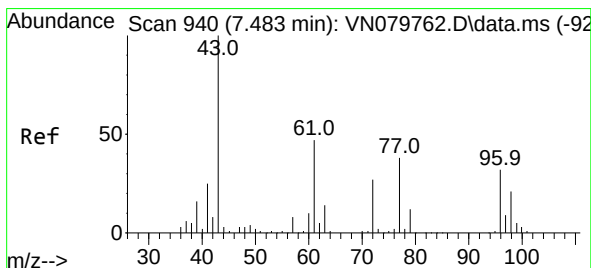
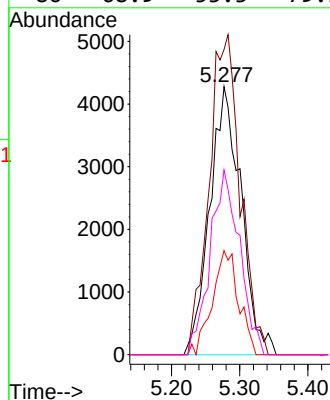


#20
Methylene Chloride
Concen: 5.355 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#03

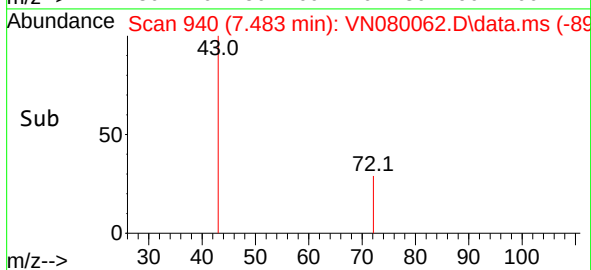
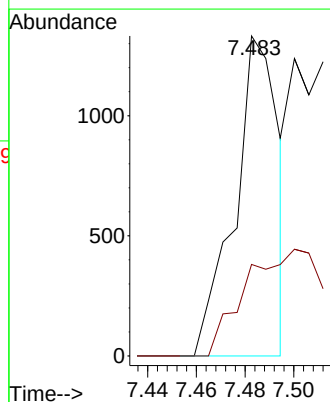
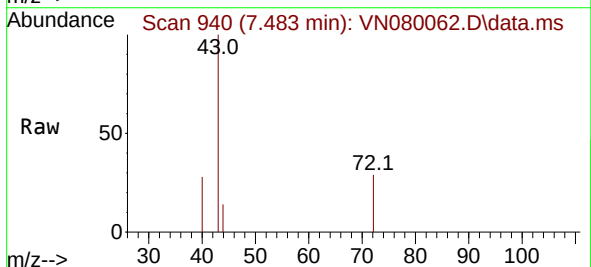


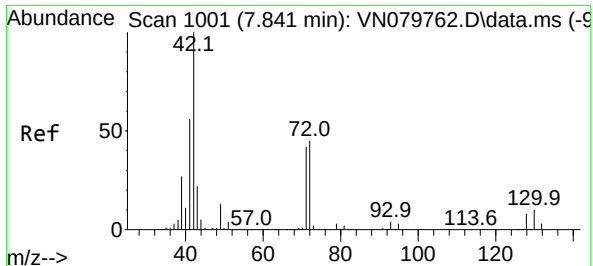
Tgt Ion:	84	Resp:	13708
Ion	Ratio	Lower	Upper
84	100		
49	113.9	79.7	119.5
51	38.8	25.2	37.8#
86	68.9	53.3	79.9



#25
2-Butanone
Concen: 1.119 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

Tgt Ion:	43	Resp:	1663
Ion	Ratio	Lower	Upper
43	100		
72	28.6	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.441 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN080062.D

Acq: 13 Nov 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#03

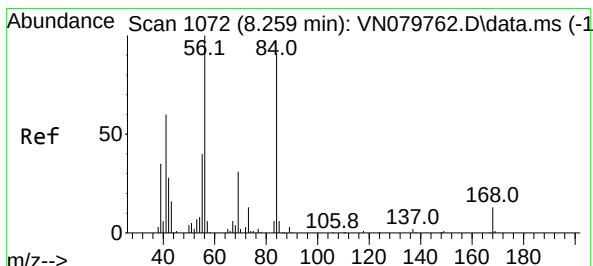
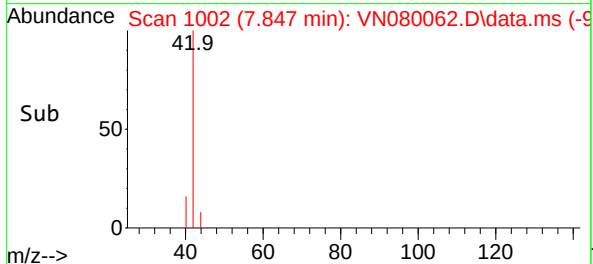
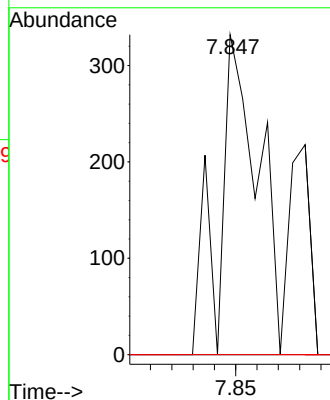
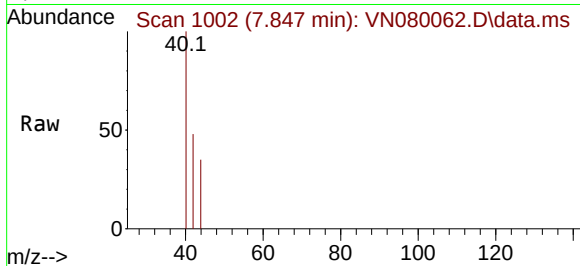
Tgt Ion: 42 Resp: 426

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.260 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN080062.D

Acq: 13 Nov 2023 13:31

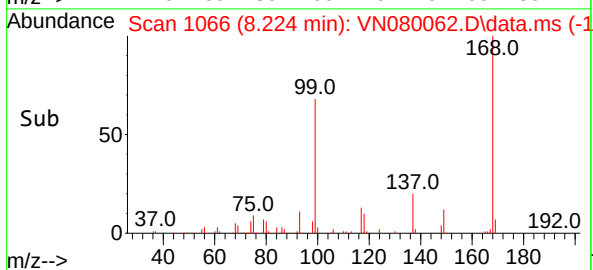
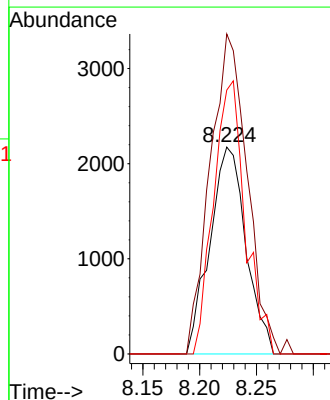
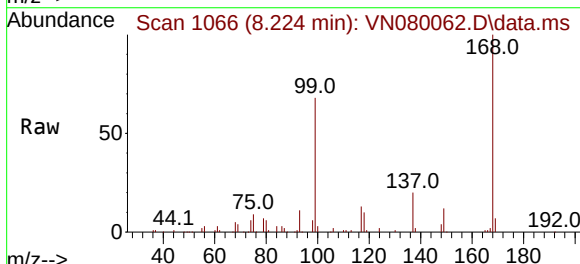
Tgt Ion: 56 Resp: 4807

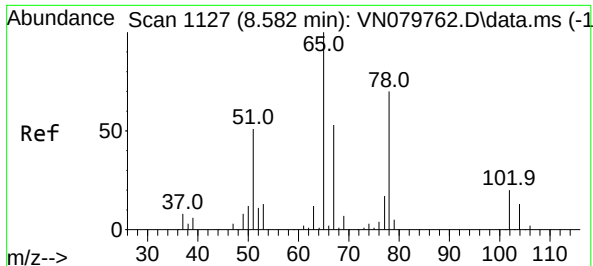
Ion Ratio Lower Upper

56 100

69 154.7 26.8 40.2#

84 127.5 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 60.186 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080062.D

Acq: 13 Nov 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :

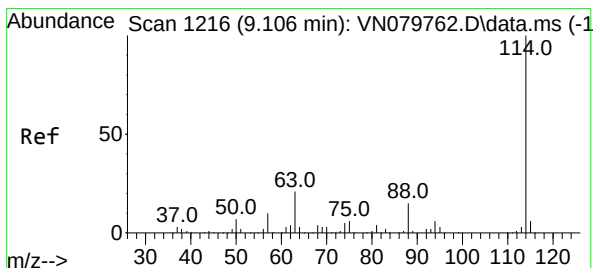
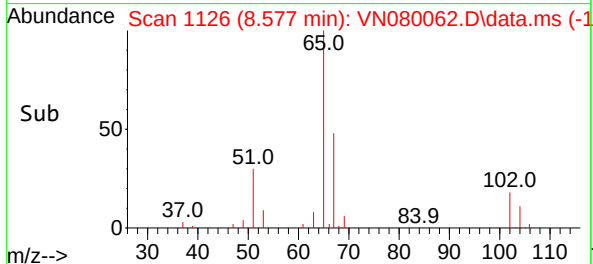
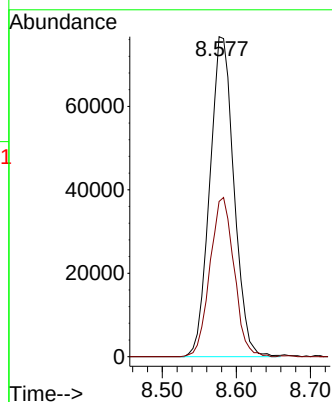
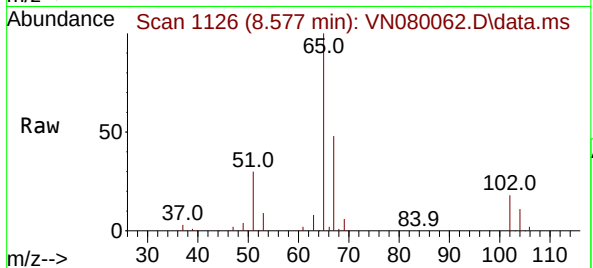
PB157075ZHE#03

Tgt Ion: 65 Resp: 173830

Ion Ratio Lower Upper

65 100

67 49.6 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: VN080062.D

Acq: 13 Nov 2023 13:31

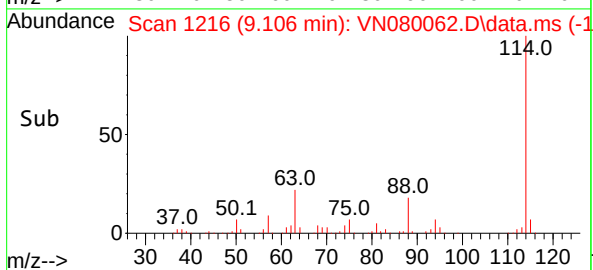
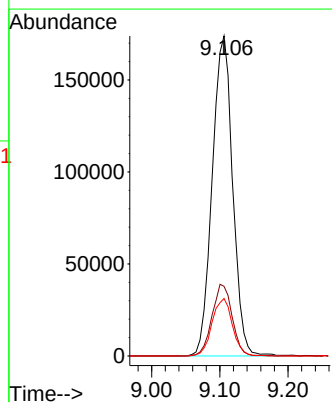
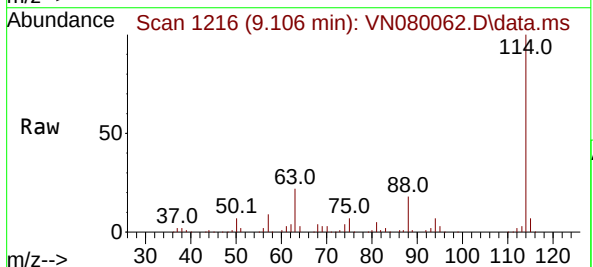
Tgt Ion: 114 Resp: 362921

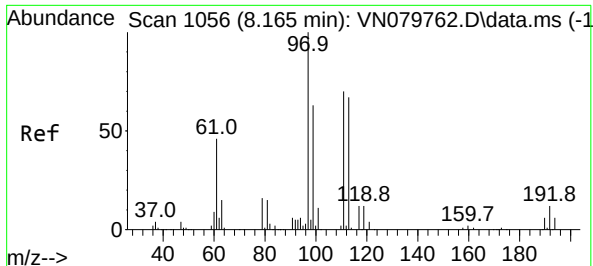
Ion Ratio Lower Upper

114 100

63 21.8 0.0 36.4

88 18.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.239 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080062.D

Acq: 13 Nov 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#03

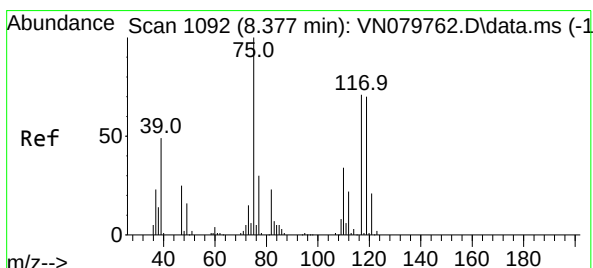
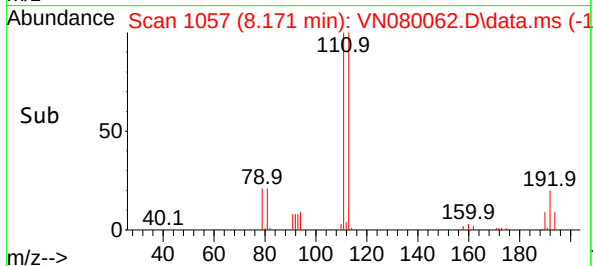
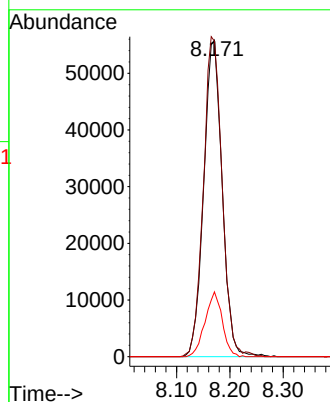
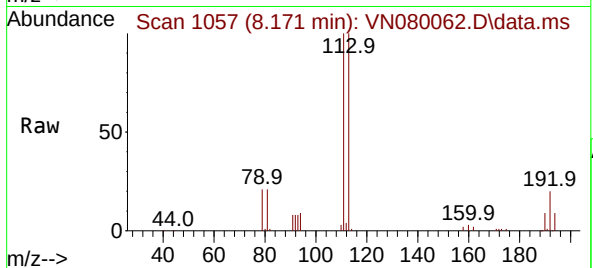
Tgt Ion:113 Resp: 134181

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 19.1 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 4.495 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN080062.D

Acq: 13 Nov 2023 13:31

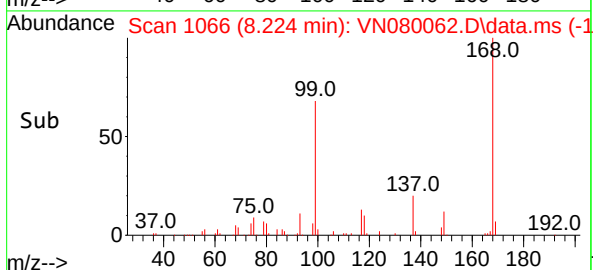
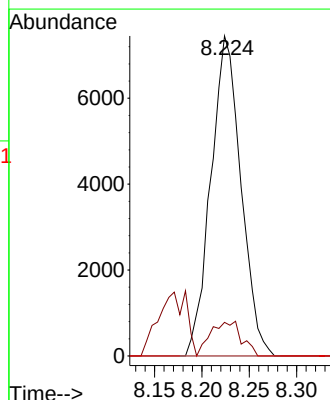
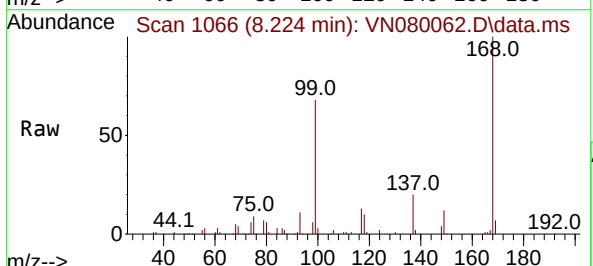
Tgt Ion: 75 Resp: 16487

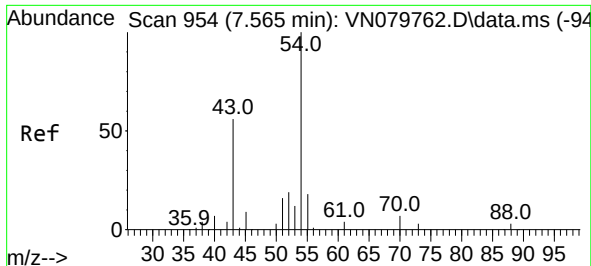
Ion Ratio Lower Upper

75 100

110 11.0 19.1 57.3#

77 0.0 25.0 37.4#

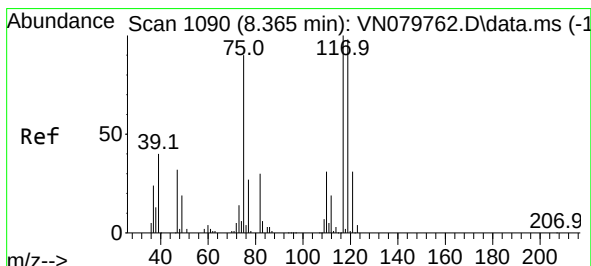
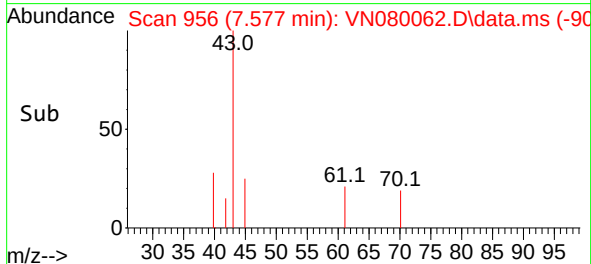
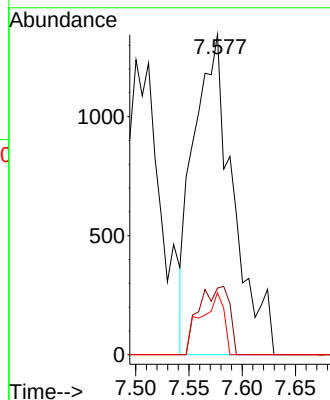
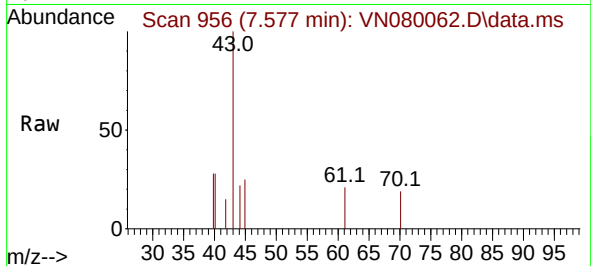




#37
Ethyl Acetate
Concen: 1.031 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

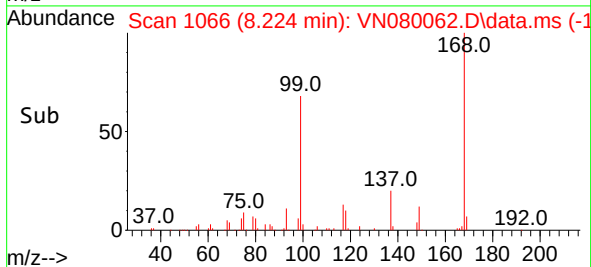
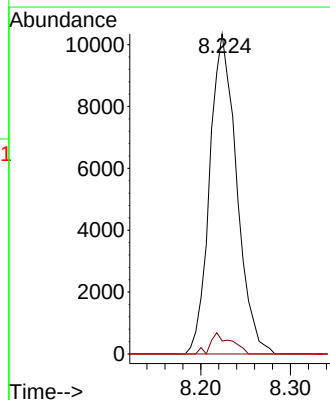
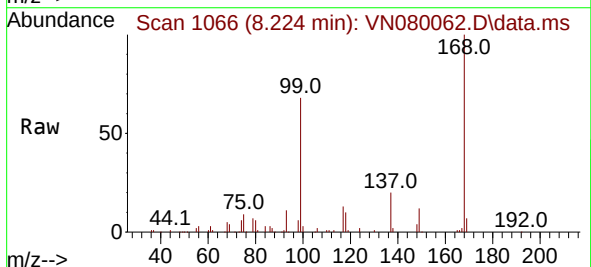
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#03

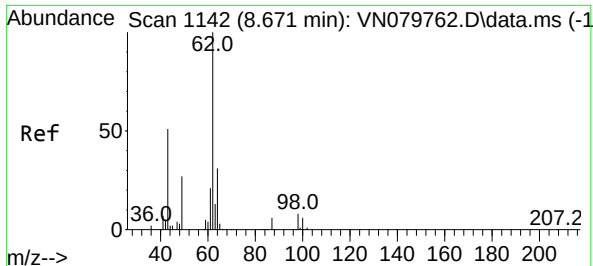
Tgt Ion:	43	Resp:	3467
Ion	Ratio	Lower	Upper
43	100		
61	16.6	13.2	19.8
70	11.4	11.3	16.9



#38
Carbon Tetrachloride
Concen: 5.844 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

Tgt Ion:	117	Resp:	21599
Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.315 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN080062.D

Acq: 13 Nov 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :

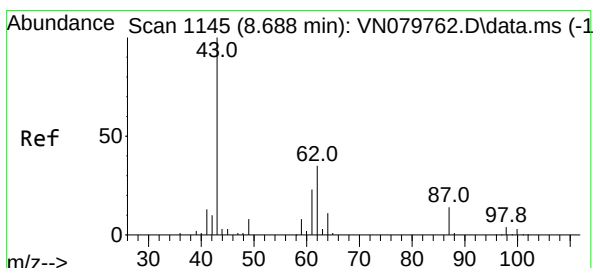
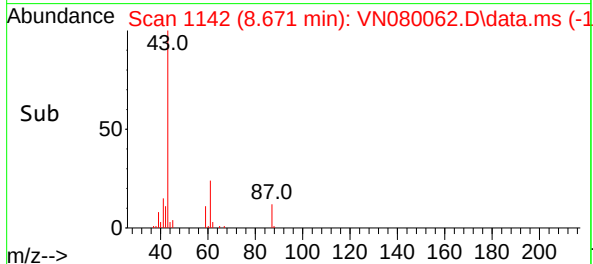
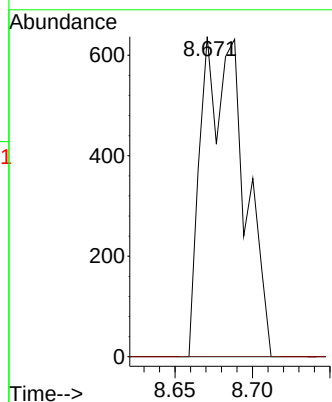
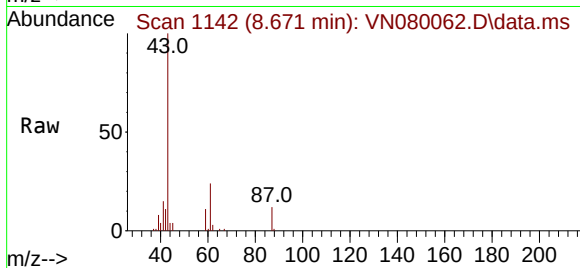
PB157075ZHE#03

Tgt Ion: 62 Resp: 1209

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 23.707 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080062.D

Acq: 13 Nov 2023 13:31

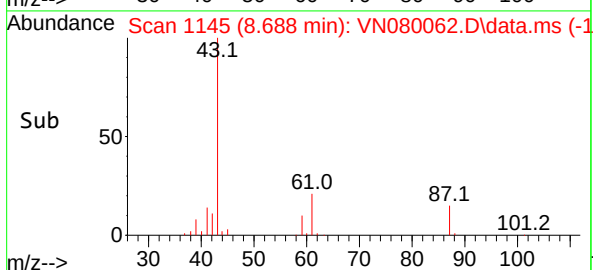
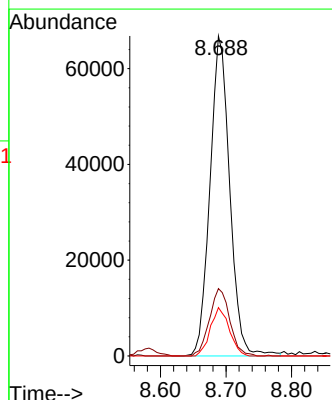
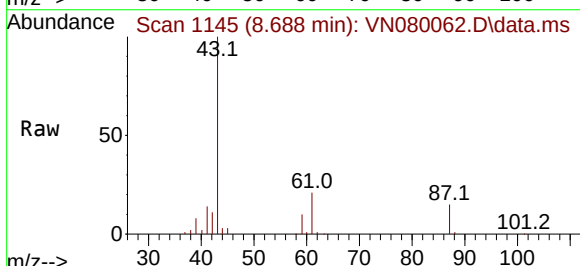
Tgt Ion: 43 Resp: 139838

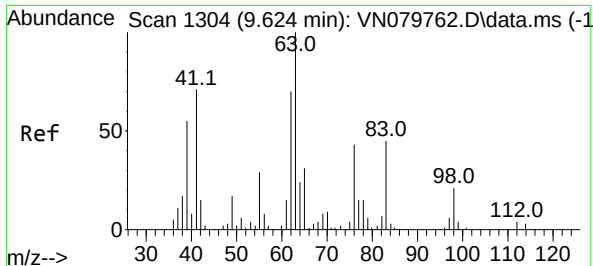
Ion Ratio Lower Upper

43 100

61 21.6 24.7 37.1#

87 14.5 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.554 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN080062.D

Acq: 13 Nov 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :

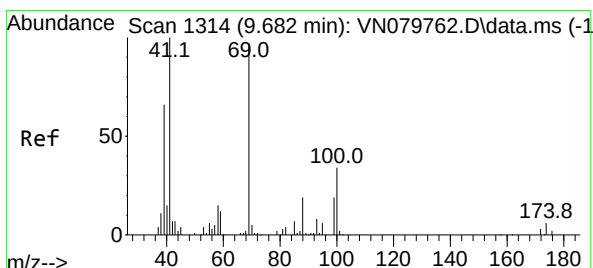
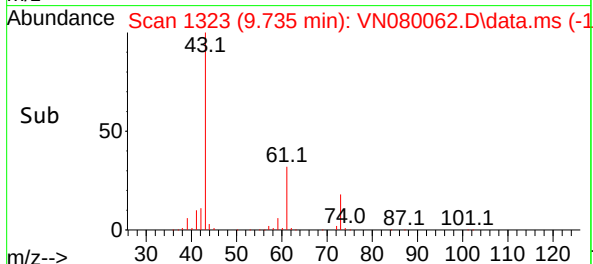
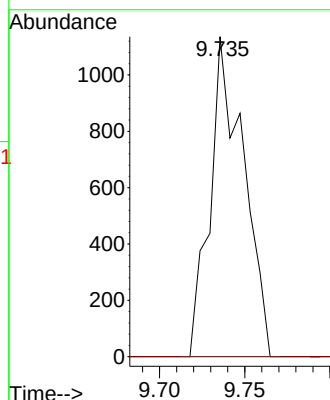
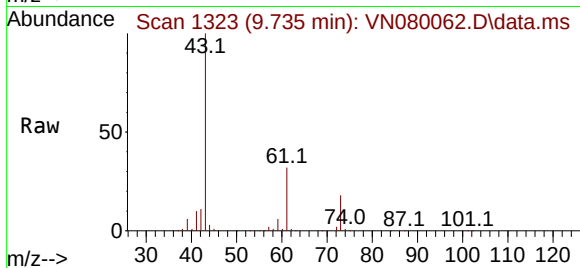
PB157075ZHE#03

Tgt Ion: 63 Resp: 1554

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 49.479 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN080062.D

Acq: 13 Nov 2023 13:31

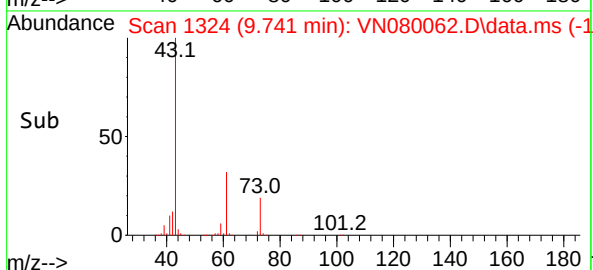
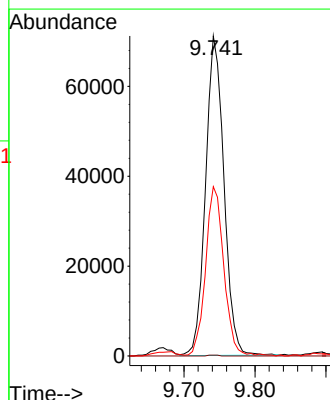
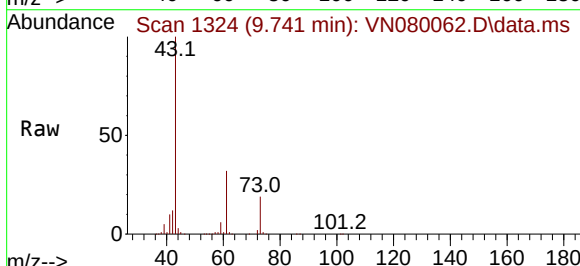
Tgt Ion: 41 Resp: 127840

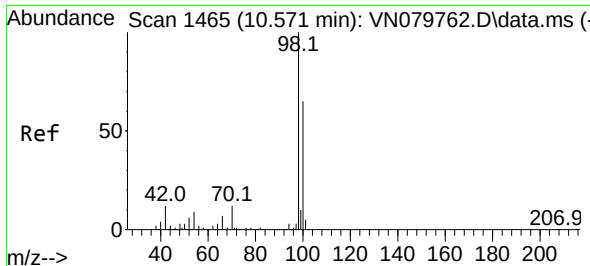
Ion Ratio Lower Upper

41 100

69 0.2 90.4 135.6#

39 53.0 54.6 81.8#

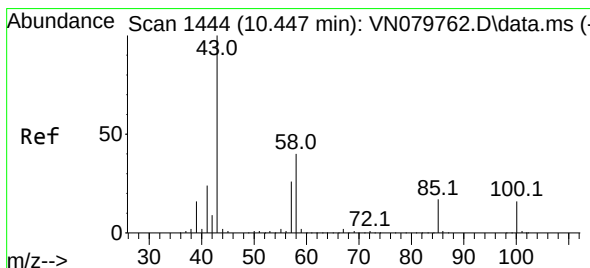
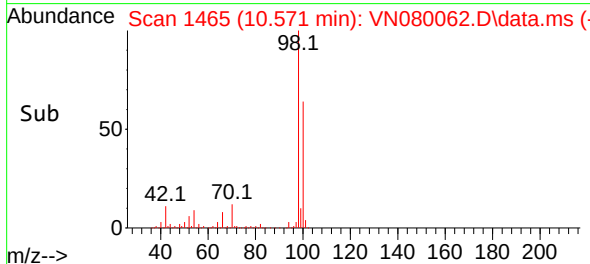
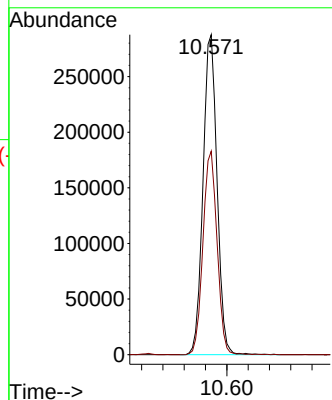
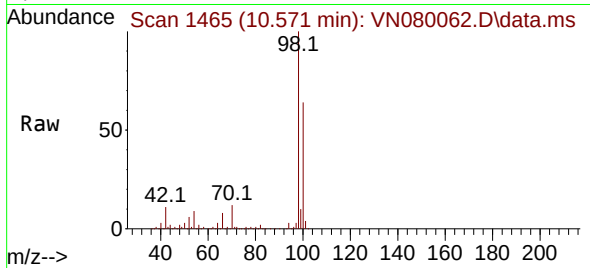




#50
Toluene-d8
Concen: 55.503 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

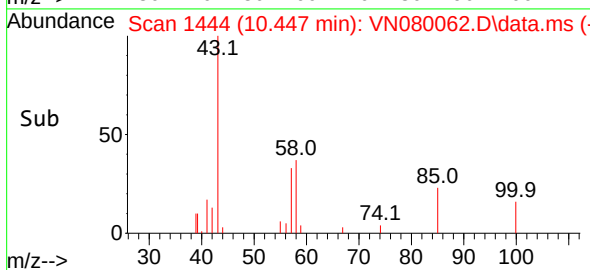
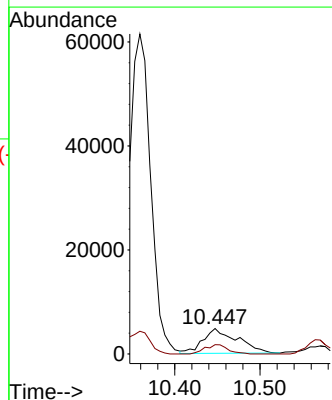
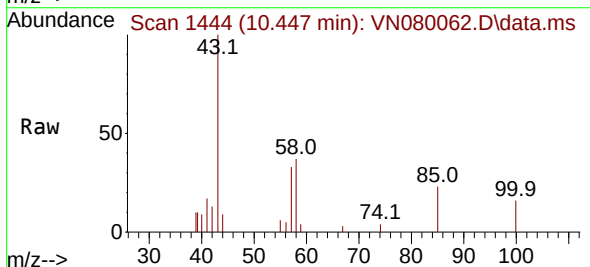
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#03

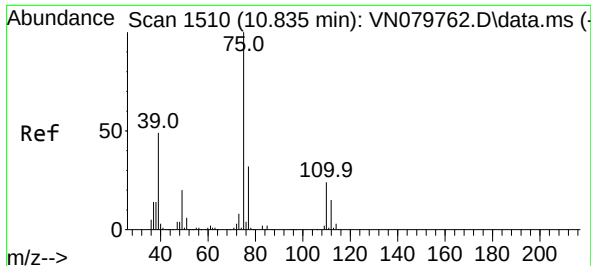
Tgt Ion: 98 Resp: 524830
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.027 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

Tgt Ion: 43 Resp: 13374
Ion Ratio Lower Upper
43 100
58 25.0 36.6 54.8#

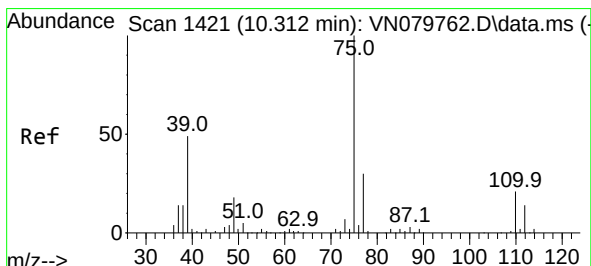
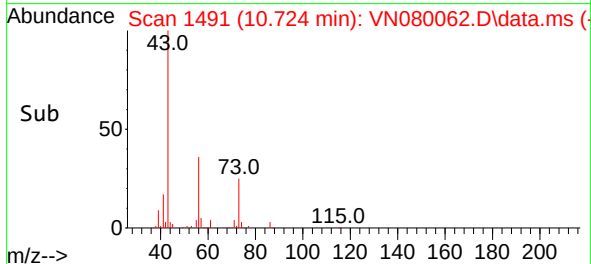
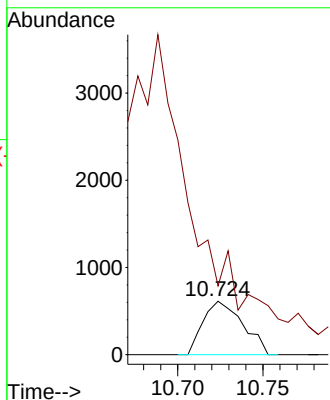
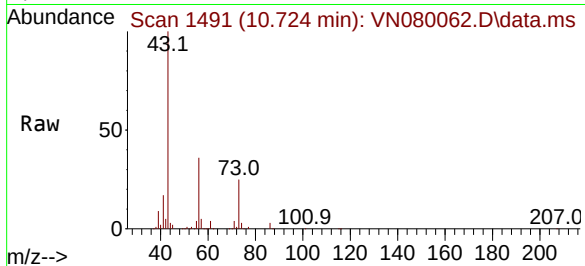




#53
 t-1,3-Dichloropropene
 Concen: 0.248 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.117 min
 Lab File: VN080062.D
 Acq: 13 Nov 2023 13:31

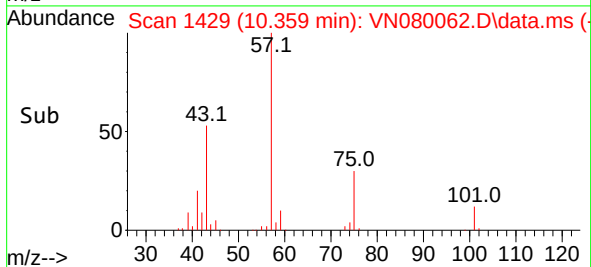
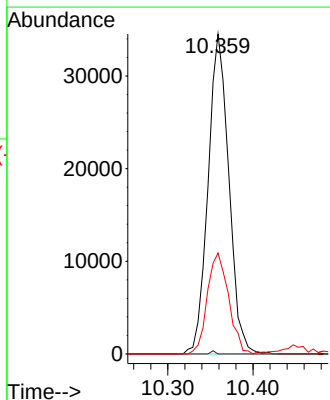
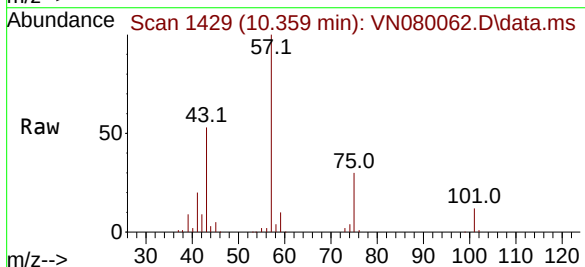
Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#03

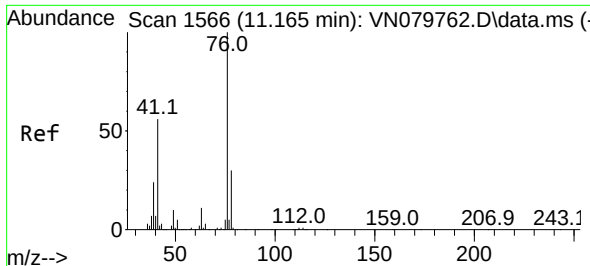
Tgt Ion: 75 Resp: 993
 Ion Ratio Lower Upper
 75 100
 77 62.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.366 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080062.D
 Acq: 13 Nov 2023 13:31

Tgt Ion: 75 Resp: 58384
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 31.5 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 1.440 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN080062.D

Acq: 13 Nov 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :

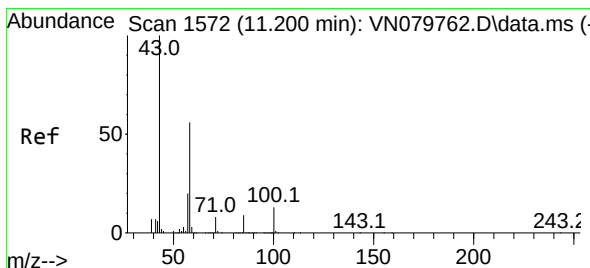
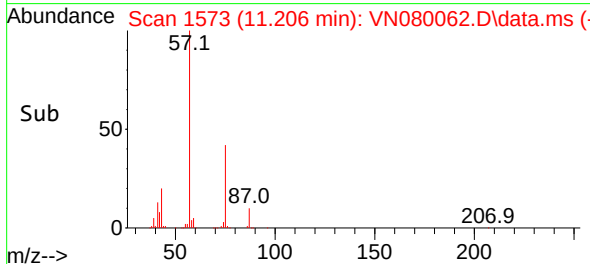
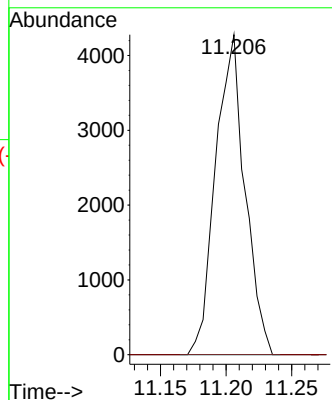
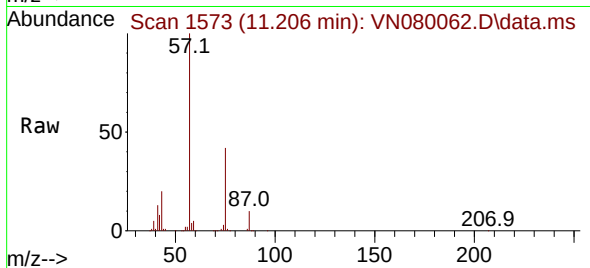
PB157075ZHE#03

Tgt Ion: 76 Resp: 6650

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 49.698 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN080062.D

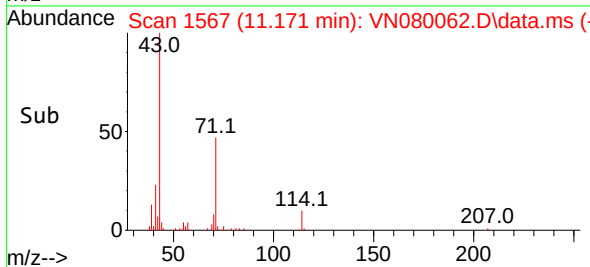
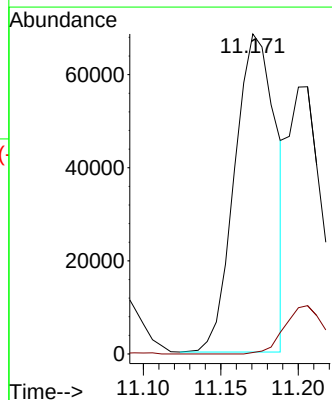
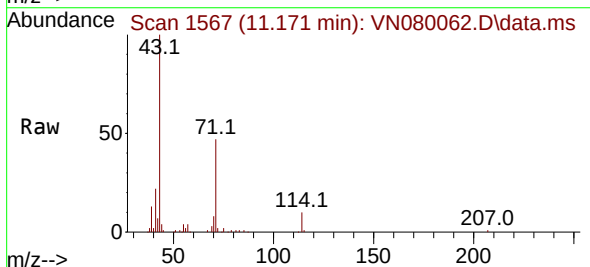
Acq: 13 Nov 2023 13:31

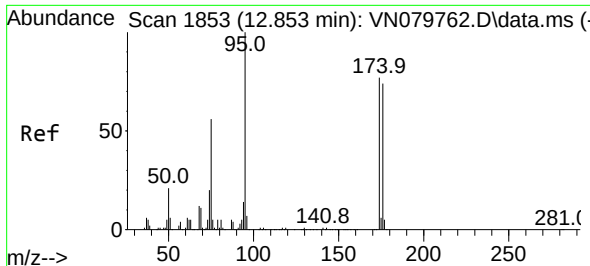
Tgt Ion: 43 Resp: 126257

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

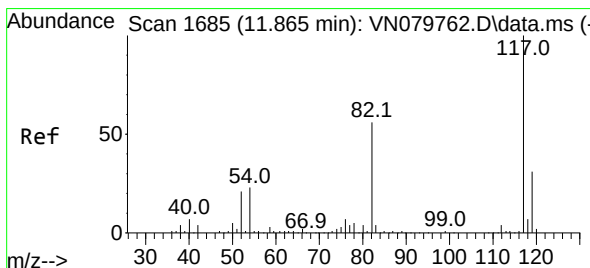
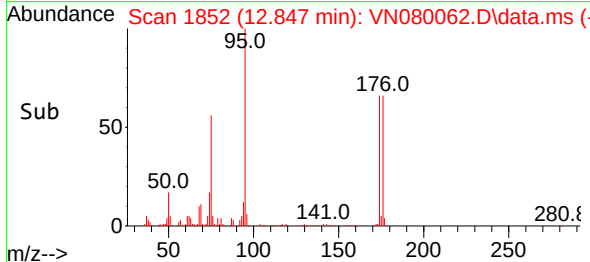
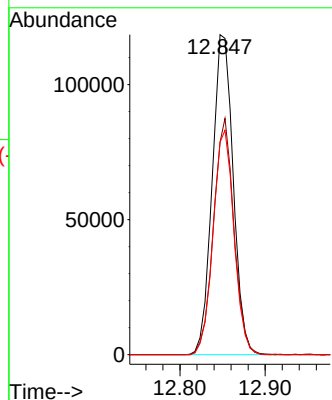
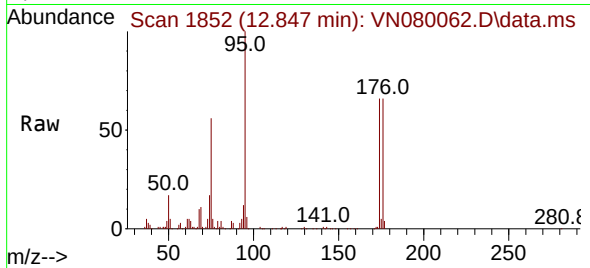




#62
4-Bromofluorobenzene
Concen: 64.572 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

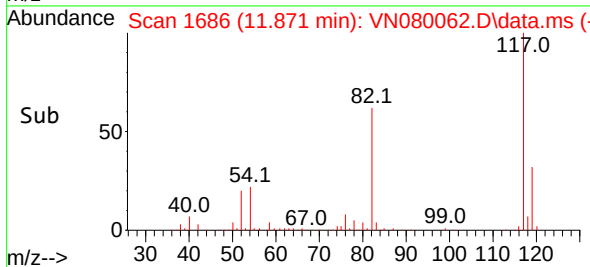
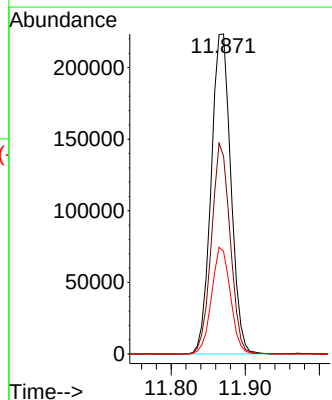
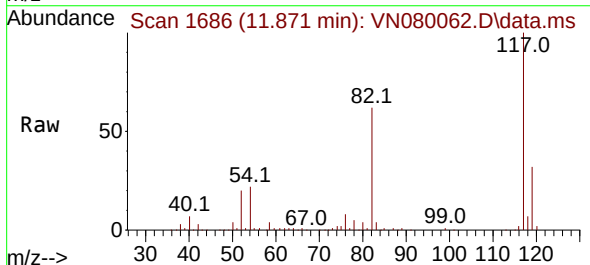
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#03

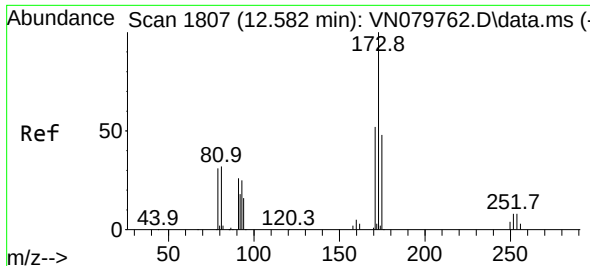
Tgt Ion: 95 Resp: 202503
Ion Ratio Lower Upper
95 100
174 72.0 0.0 143.8
176 69.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

Tgt Ion: 117 Resp: 413174
Ion Ratio Lower Upper
117 100
82 61.8 44.0 66.0
119 32.1 25.6 38.4

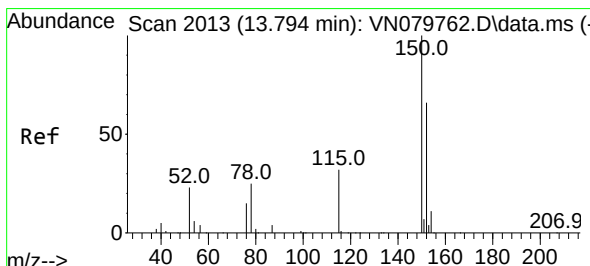
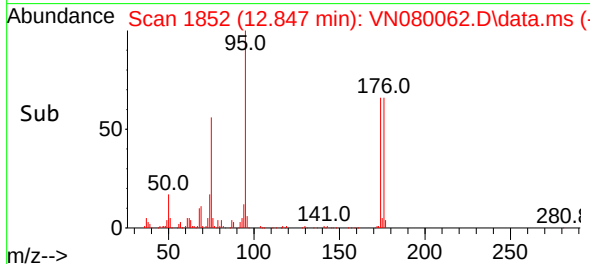
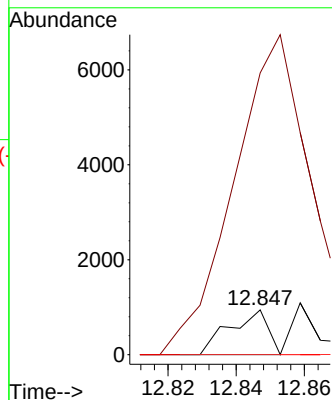
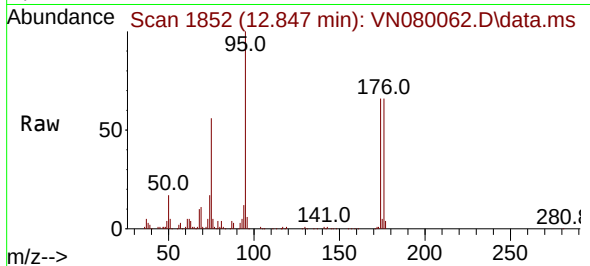




#71
Bromoform
Concen: 0.323 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

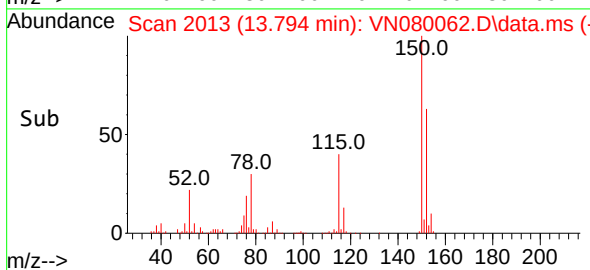
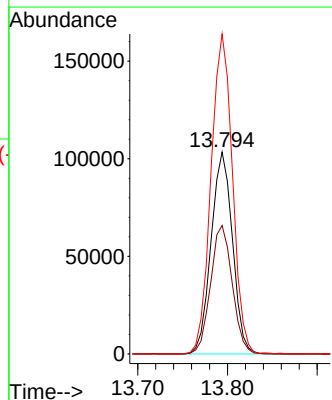
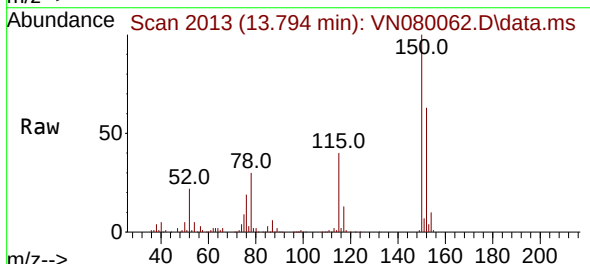
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#03

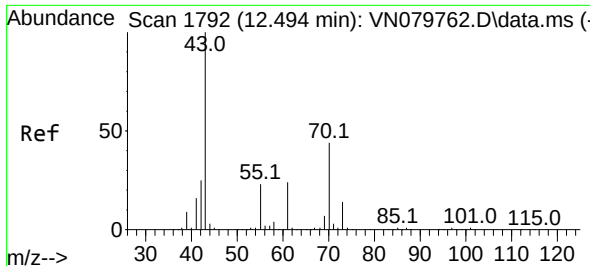
Tgt Ion:173 Resp: 740
Ion Ratio Lower Upper
173 100
175 1220.8 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

Tgt Ion:152 Resp: 171200
Ion Ratio Lower Upper
152 100
115 64.3 32.3 96.8
150 158.9 0.0 355.8

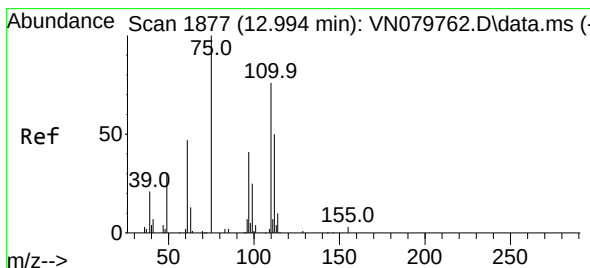
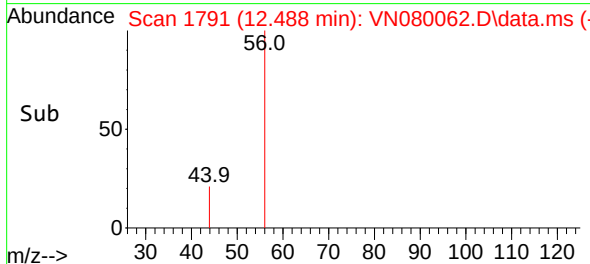
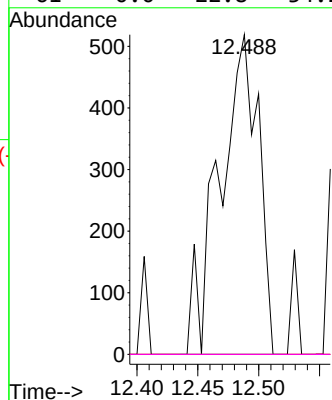
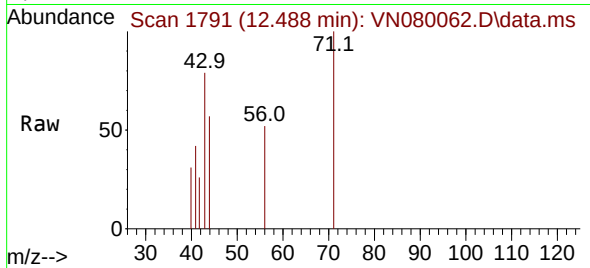




#74
N-amy1 acetate
Concen: 0.205 ug/l
RT: 12.488 min Scan# 1160
Delta R.T. -0.006 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

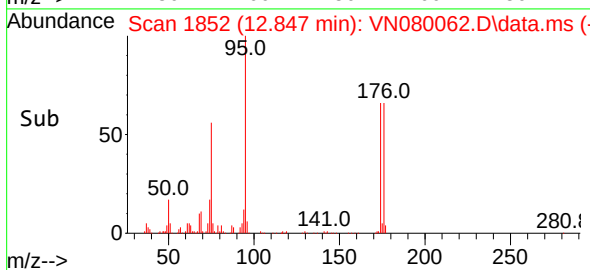
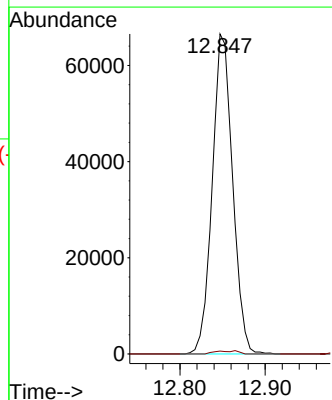
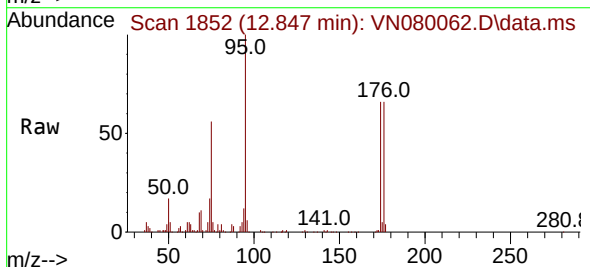
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#03

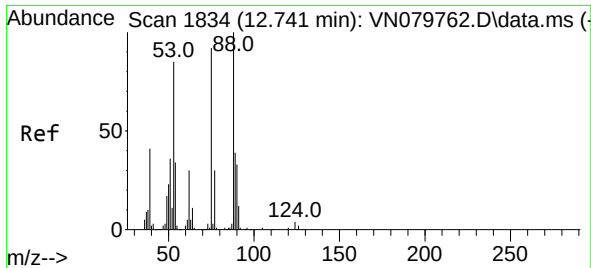
Tgt Ion: 43	Resp: 1160
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 0.0	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.471 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080062.D
Acq: 13 Nov 2023 13:31

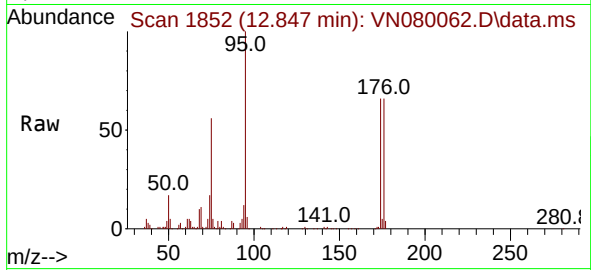
Tgt Ion: 75	Resp: 110412
Ion Ratio	Lower Upper
75 100	
77 0.7	84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.741 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080062.D
 Acq: 13 Nov 2023 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#03



Tgt Ion: 75 Resp: 110412
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

