

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032724\
 Data File : VN081592.D
 Acq On : 27 Mar 2024 17:56
 Operator : JC\MD
 Sample : PB159779ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159779ZHE#08

Quant Time: Mar 28 01:30:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

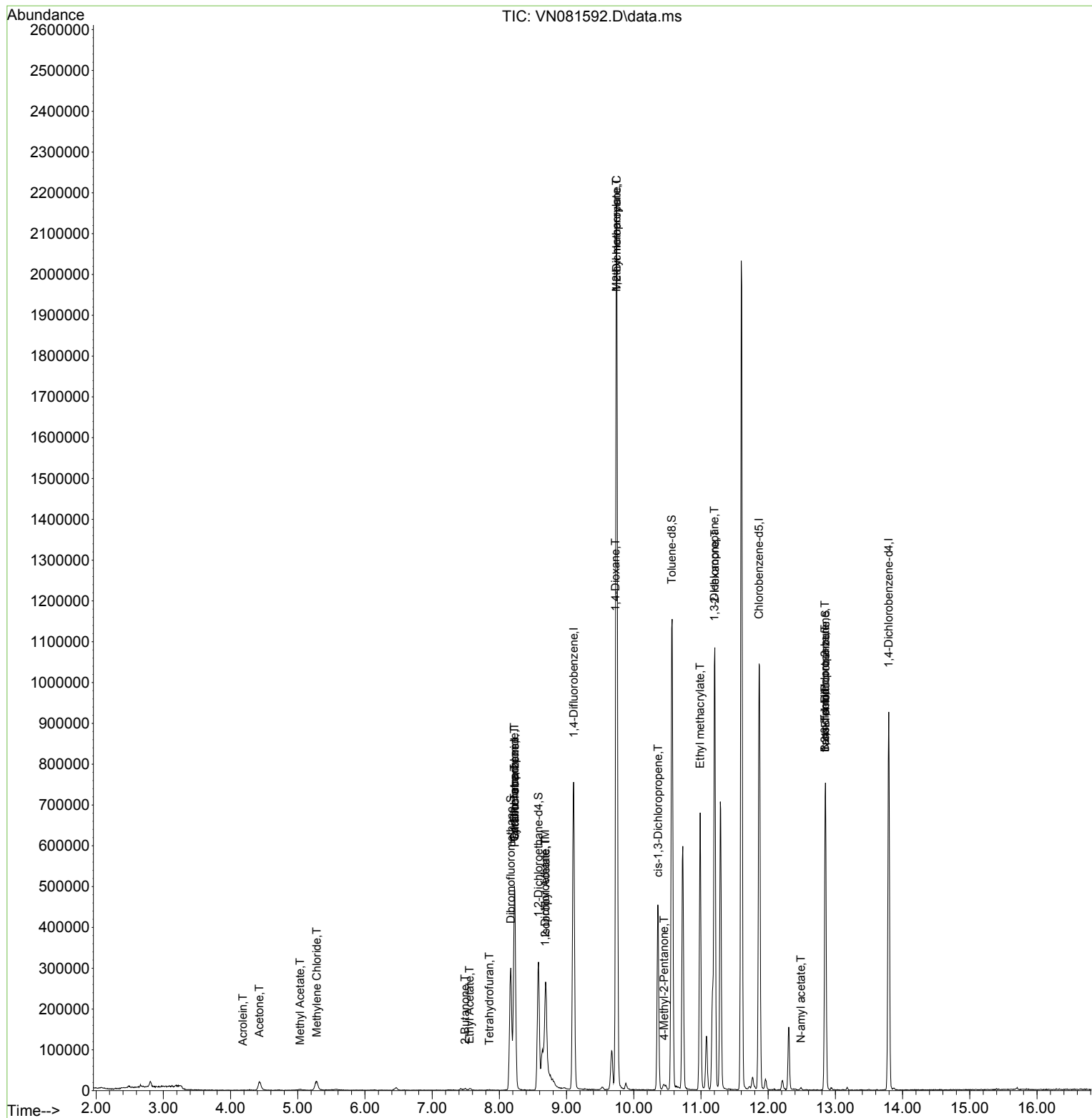
Internal Standards						
1) Pentafluorobenzene	8.229	168	352957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	670635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	635994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	247698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	245286	54.494	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.980%	
35) Dibromofluoromethane	8.171	113	212441	50.194	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.380%	
50) Toluene-d8	10.565	98	820671	53.640	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.280%	
62) 4-Bromofluorobenzene	12.853	95	259846	48.200	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 96.400%	
Target Compounds						
					Qvalue	
13) Acrolein	4.183	56	216	0.307	ug/l	85
16) Acetone	4.430	43	39077	26.863	ug/l	98
18) Methyl Acetate	5.036	43	4832	1.077	ug/l #	77
20) Methylene Chloride	5.283	84	19244	4.039	ug/l #	67
25) 2-Butanone	7.488	43	5731	2.297	ug/l #	86
29) Tetrahydrofuran	7.853	42	689	0.410	ug/l #	69
31) Cyclohexane	8.224	56	7945	1.085	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	31397	4.408	ug/l #	51
37) Ethyl Acetate	7.559	43	5824	0.955	ug/l #	85
38) Carbon Tetrachloride	8.224	117	40532	5.195	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	2168	0.296	ug/l #	75
43) Isopropyl Acetate	8.688	43	442092	43.729	ug/l #	78
45) 1,2-Dichloropropane	9.747	63	3456	0.685	ug/l #	42
48) Methyl methacrylate	9.741	41	199024	42.681	ug/l #	48
49) 1,4-Dioxane	9.729	88	452	4.034	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	15396	2.496	ug/l #	76
54) cis-1,3-Dichloropropene	10.365	75	83789	9.659	ug/l #	57
56) Ethyl methacrylate	10.988	69	3277	1.024	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	11717	1.342	ug/l #	43
59) 2-Hexanone	11.206	43	108258	23.736	ug/l	66
71) Bromoform	12.847	173	1970	0.470	ug/l #	1
74) N-amyl acetate	12.488	43	1710	0.224	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	133786	22.580	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	133786	61.018	ug/l #	14

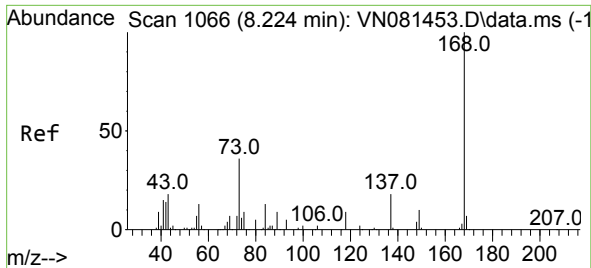
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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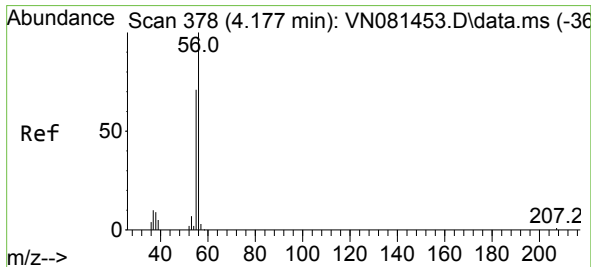
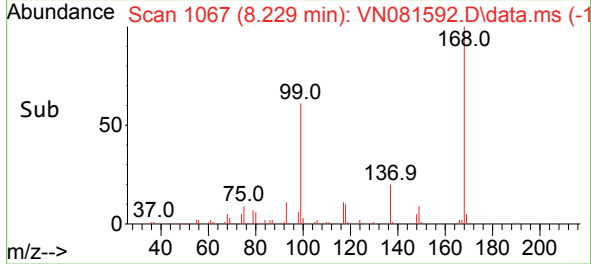
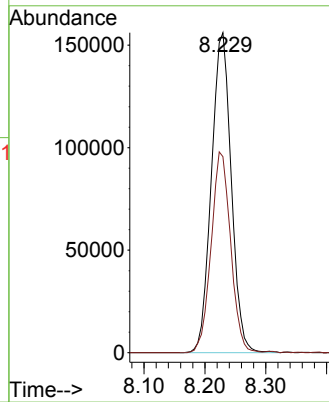
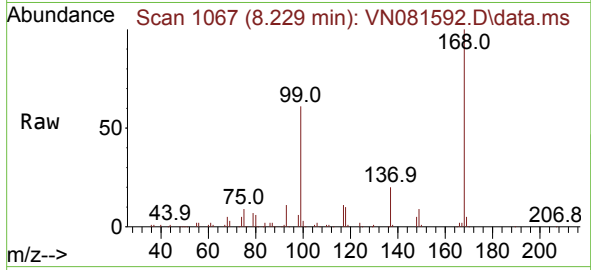




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

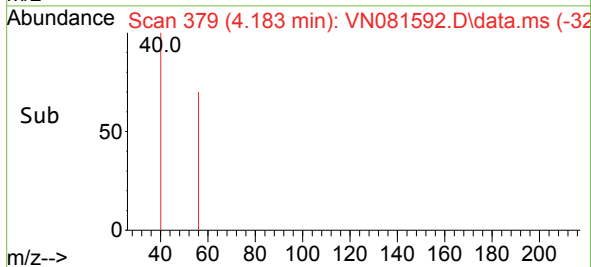
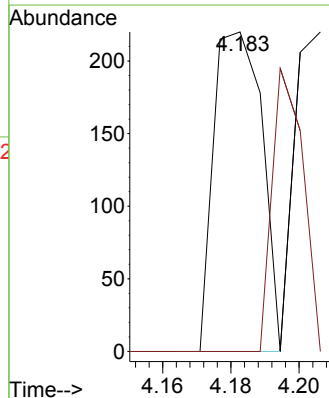
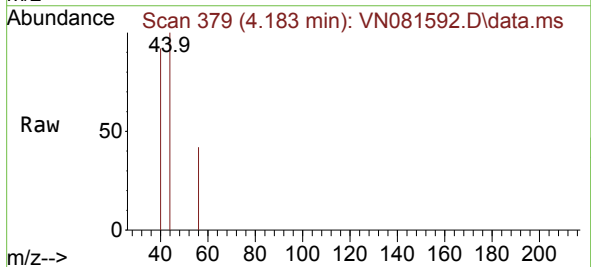
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#08

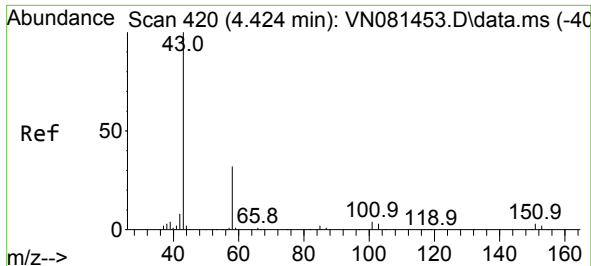
Tgt Ion:168 Resp: 352957
Ion Ratio Lower Upper
168 100
99 61.3 59.9 89.9



#13
Acrolein
Concen: 0.307 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

Tgt Ion: 56 Resp: 216
Ion Ratio Lower Upper
56 100
55 56.5 55.3 82.9

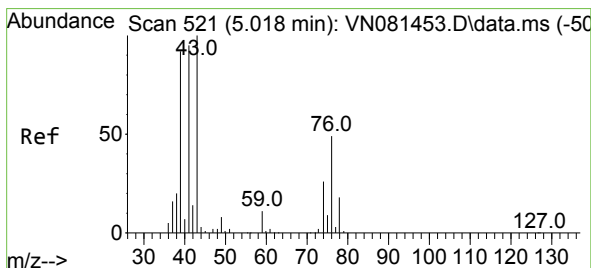
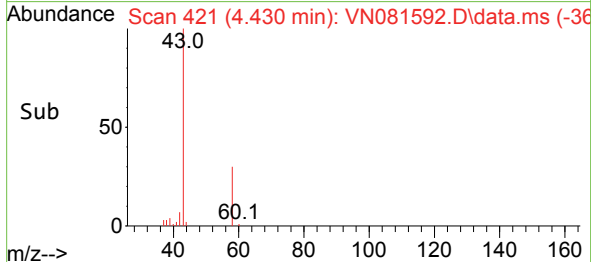
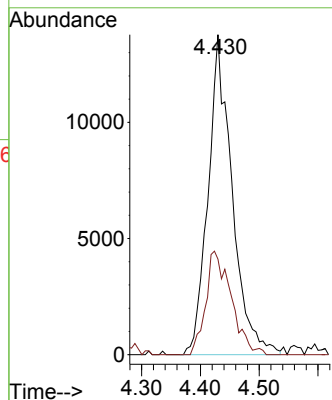
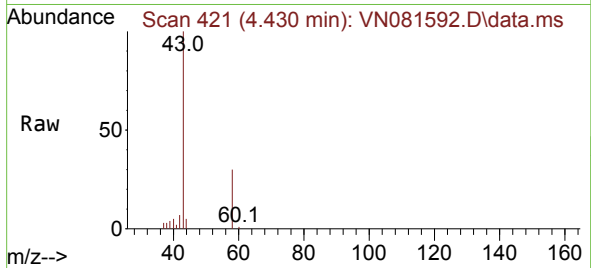




#16
Acetone
Concen: 26.863 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

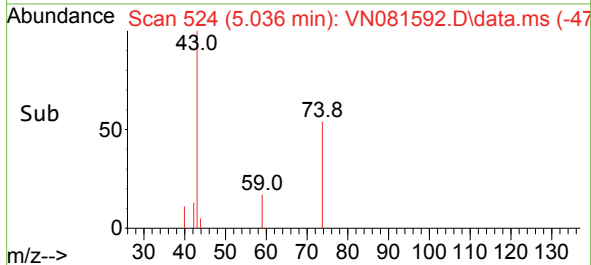
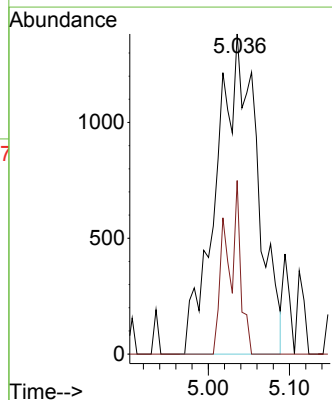
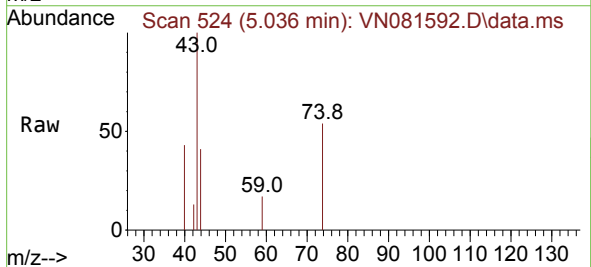
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#08

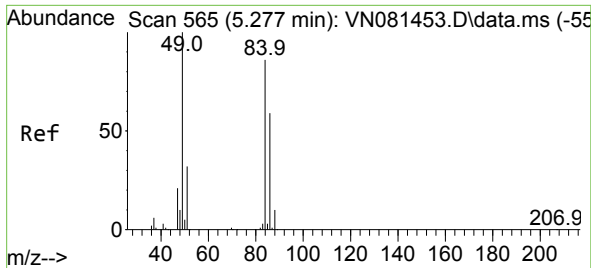
Tgt Ion: 43 Resp: 39077
Ion Ratio Lower Upper
43 100
58 29.9 24.8 37.2



#18
Methyl Acetate
Concen: 1.077 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

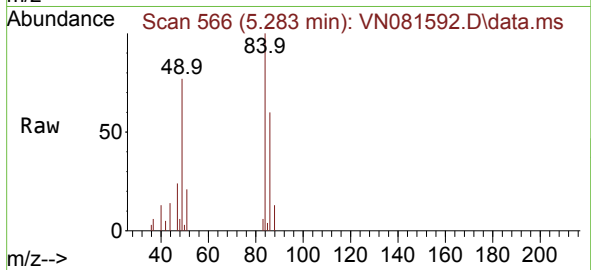
Tgt Ion: 43 Resp: 4832
Ion Ratio Lower Upper
43 100
74 10.5 17.3 25.9#



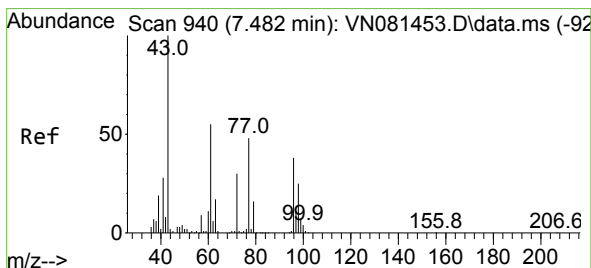
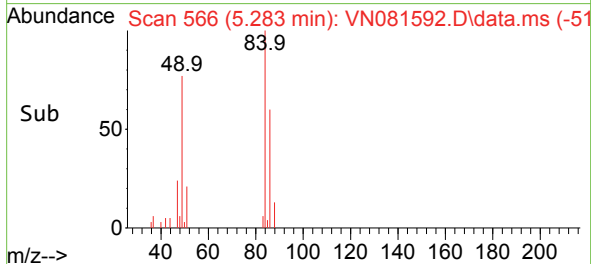
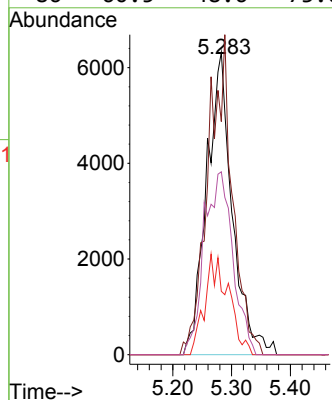


#20
Methylene Chloride
Concen: 4.039 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#08

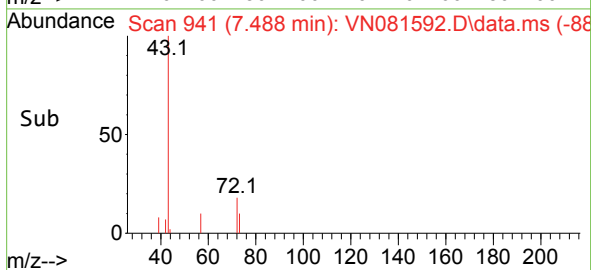
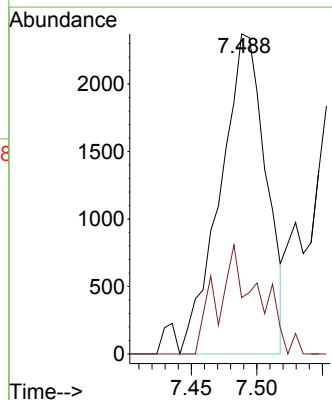
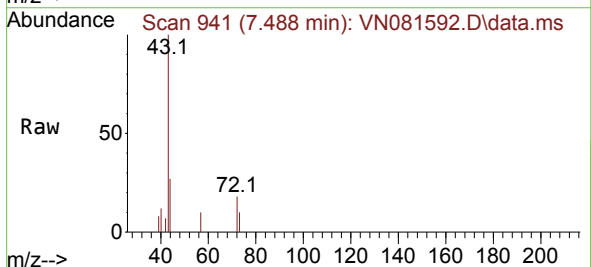


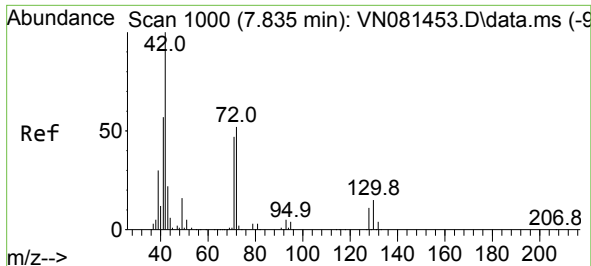
Tgt Ion: 84 Resp: 19244
Ion Ratio Lower Upper
84 100
49 77.1 108.1 162.1#
51 21.0 32.9 49.3#
86 60.5 48.6 73.0



#25
2-Butanone
Concen: 2.297 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

Tgt Ion: 43 Resp: 5731
Ion Ratio Lower Upper
43 100
72 17.6 19.5 29.3#





#29

Tetrahydrofuran

Concen: 0.410 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

Lab File: VN081592.D

Acq: 27 Mar 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

PB159779ZHE#08

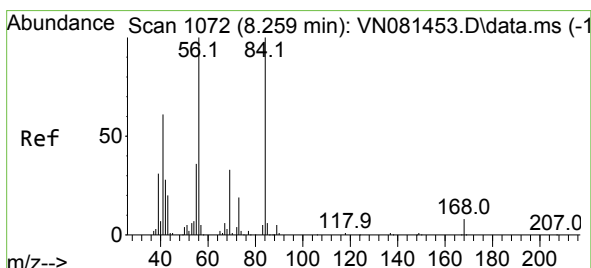
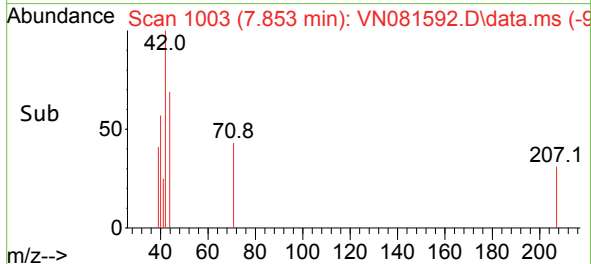
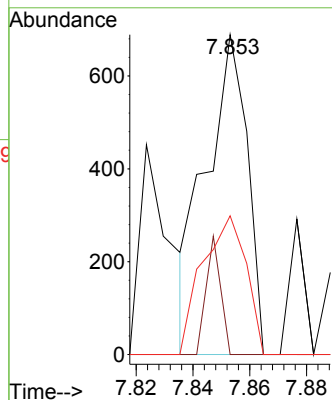
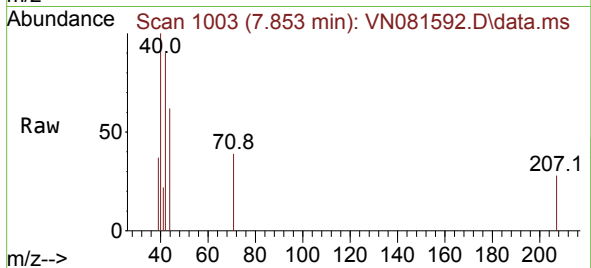
Tgt Ion: 42 Resp: 689

Ion Ratio Lower Upper

42 100

72 13.1 31.1 46.7#

71 46.3 28.3 42.5#



#31

Cyclohexane

Concen: 1.085 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081592.D

Acq: 27 Mar 2024 17:56

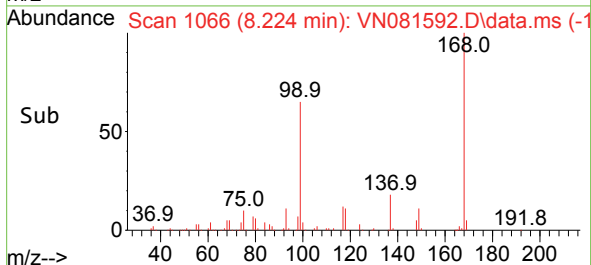
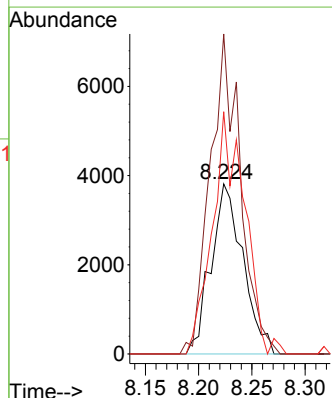
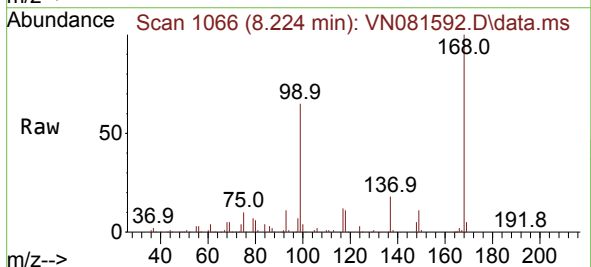
Tgt Ion: 56 Resp: 7945

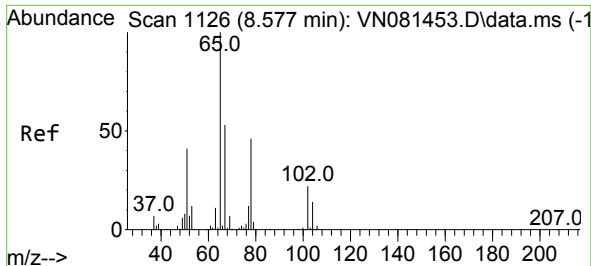
Ion Ratio Lower Upper

56 100

69 188.1 20.1 30.1#

84 142.3 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 54.494 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081592.D

Acq: 27 Mar 2024 17:56

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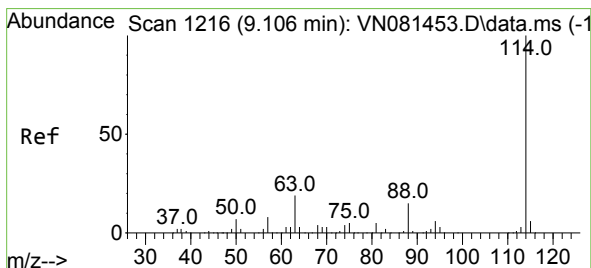
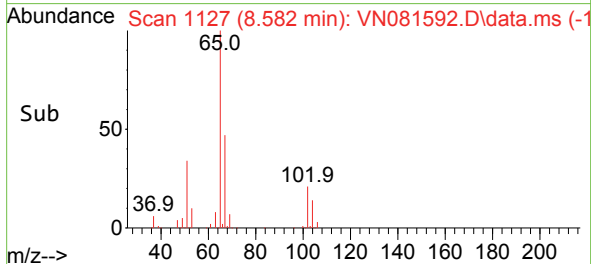
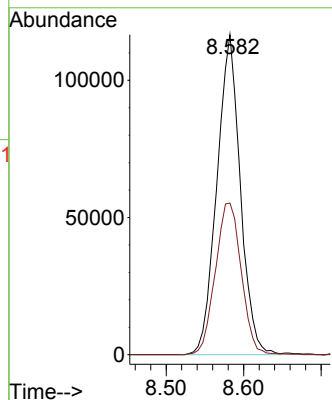
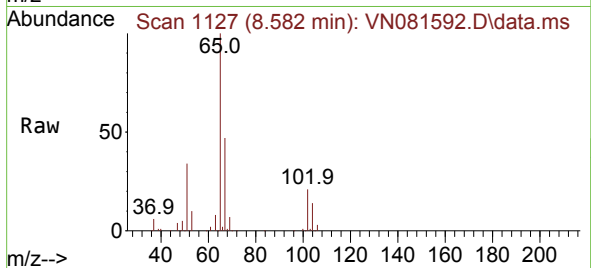
PB159779ZHE#08

Tgt Ion: 65 Resp: 245286

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN081592.D

Acq: 27 Mar 2024 17:56

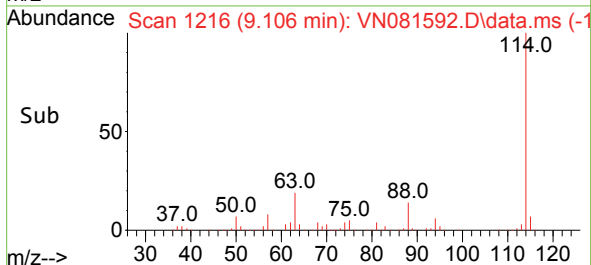
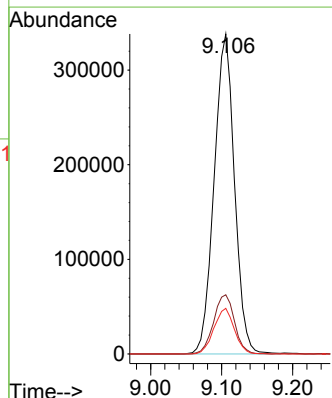
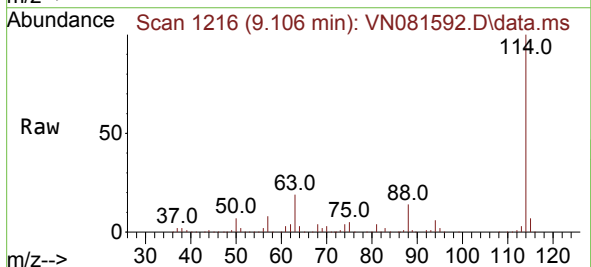
Tgt Ion: 114 Resp: 670635

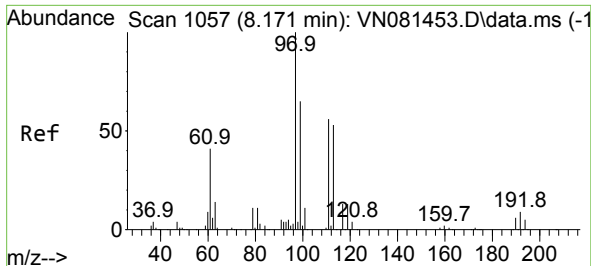
Ion Ratio Lower Upper

114 100

63 18.5 0.0 48.0

88 14.3 0.0 34.8

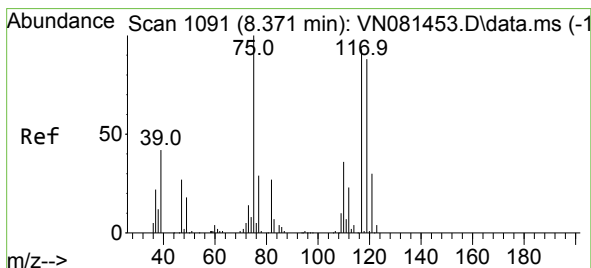
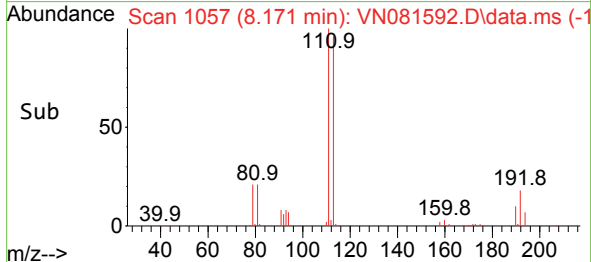
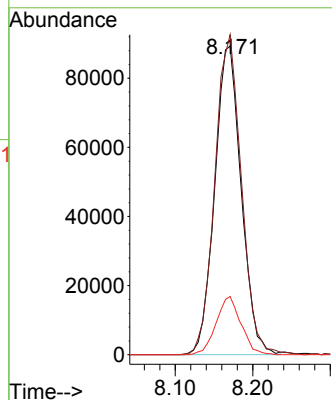
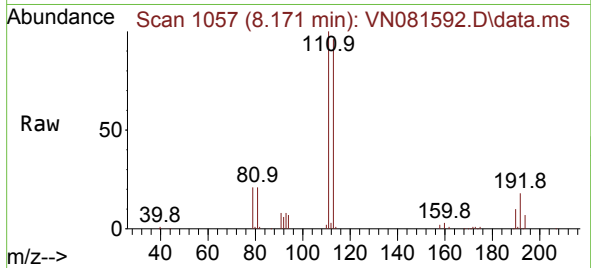




#35
Dibromofluoromethane
Concen: 50.194 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

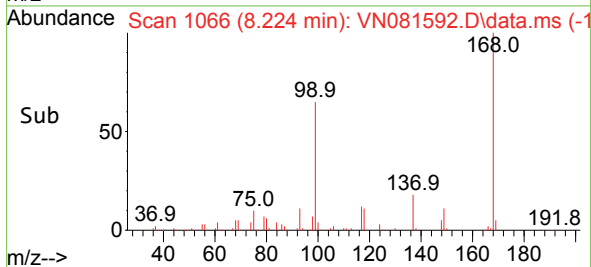
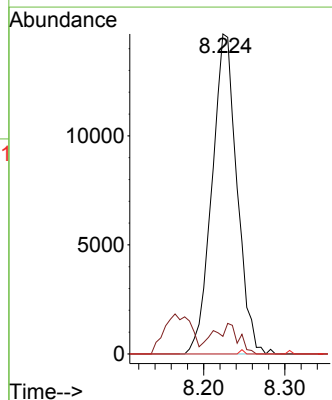
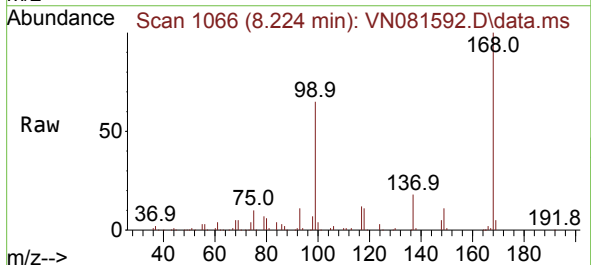
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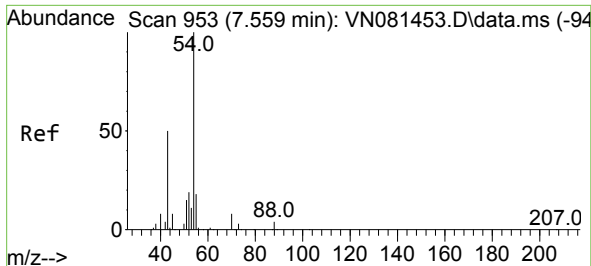
Tgt Ion:113 Resp: 212441
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.4
192 17.7 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.408 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

Tgt Ion: 75 Resp: 31397
Ion Ratio Lower Upper
75 100
110 9.7 16.0 48.0#
77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 0.955 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN081592.D

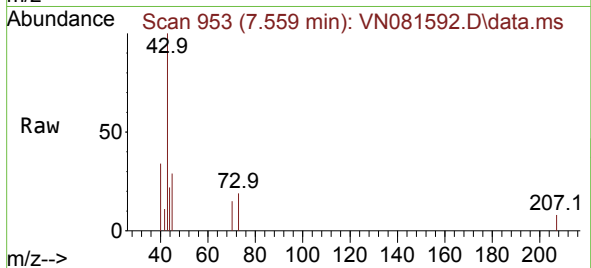
Acq: 27 Mar 2024 17:56

Instrument :

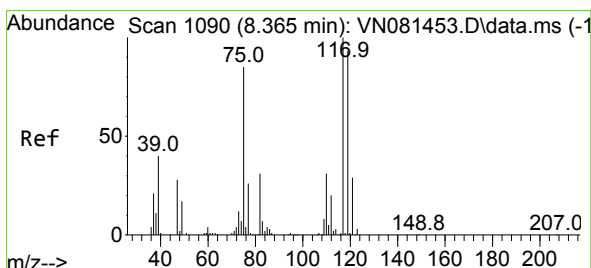
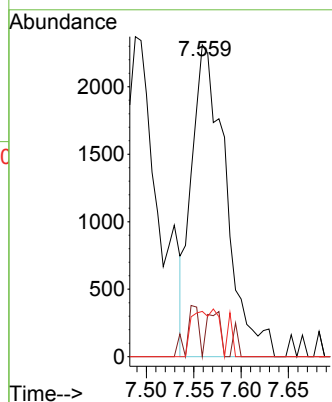
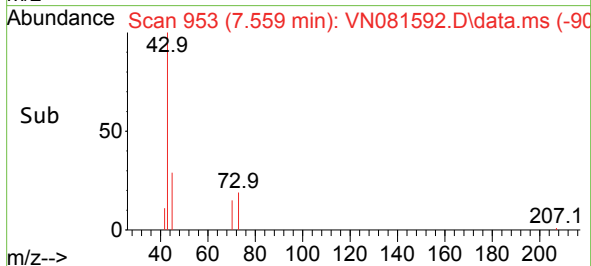
MSVOA_N

ClientSampleId :

PB159779ZHE#08



Tgt Ion:	43	Resp:	5824
Ion	Ratio	Lower	Upper
43	100		
61	5.8	10.6	15.8#
70	13.5	8.0	12.0#



#38

Carbon Tetrachloride

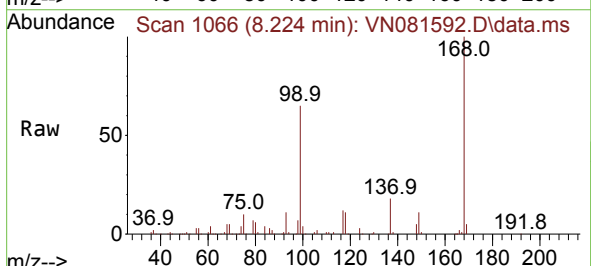
Concen: 5.195 ug/l

RT: 8.224 min Scan# 1066

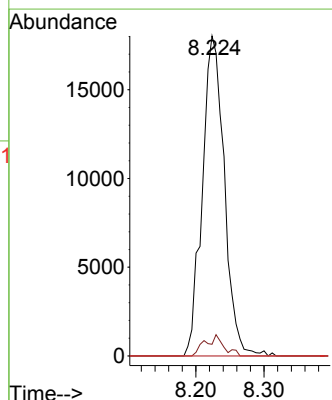
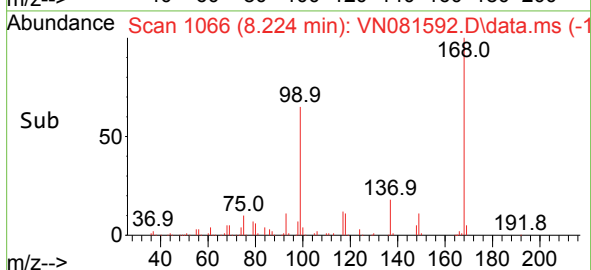
Delta R.T. -0.141 min

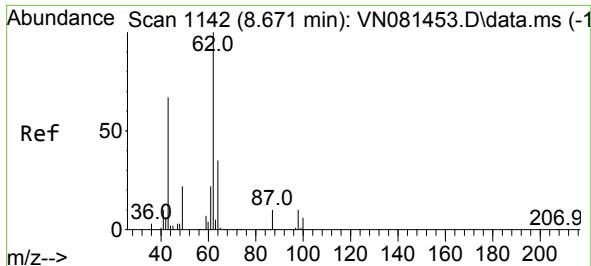
Lab File: VN081592.D

Acq: 27 Mar 2024 17:56



Tgt Ion:	117	Resp:	40532
Ion	Ratio	Lower	Upper
117	100		
119	3.7	73.4	110.2#
121	0.0	24.4	36.6#





#42

1,2-Dichloroethane

Concen: 0.296 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN081592.D

Acq: 27 Mar 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

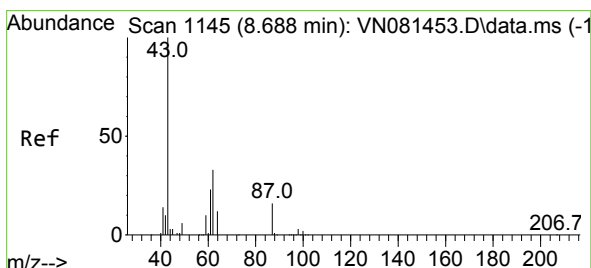
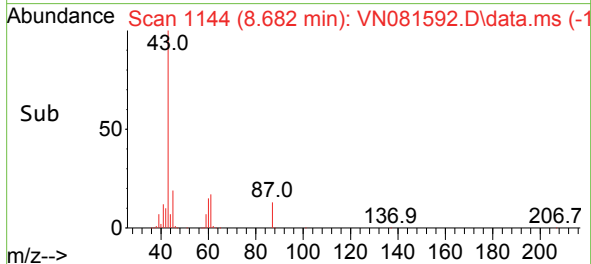
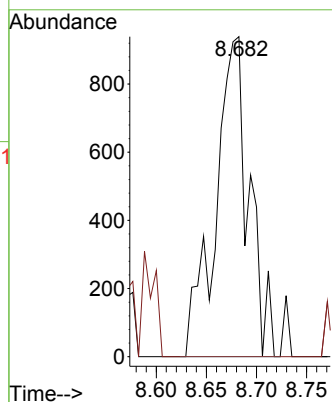
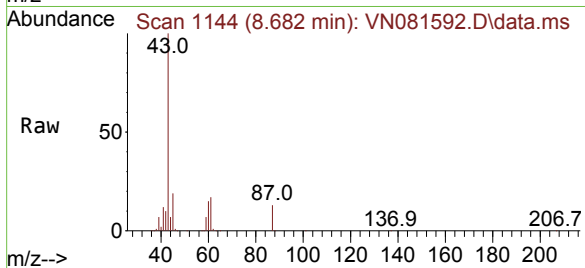
PB159779ZHE#08

Tgt Ion: 62 Resp: 2168

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 43.729 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN081592.D

Acq: 27 Mar 2024 17:56

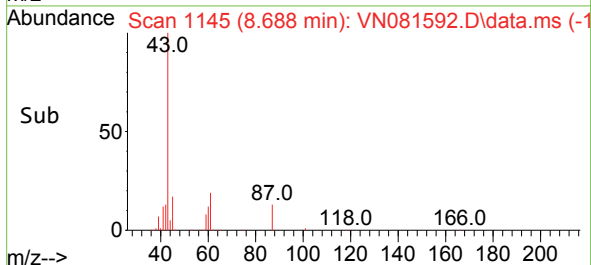
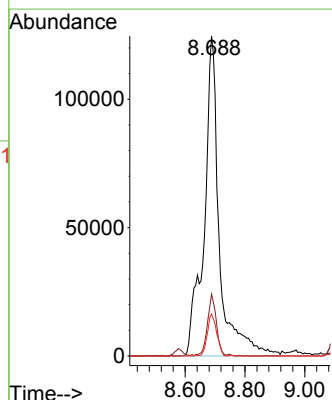
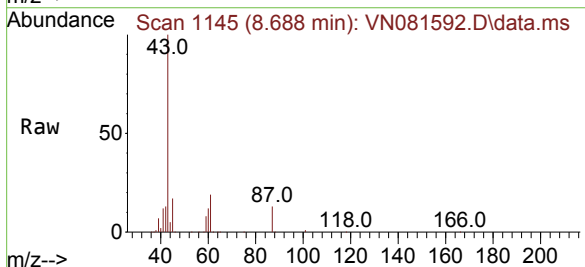
Tgt Ion: 43 Resp: 442092

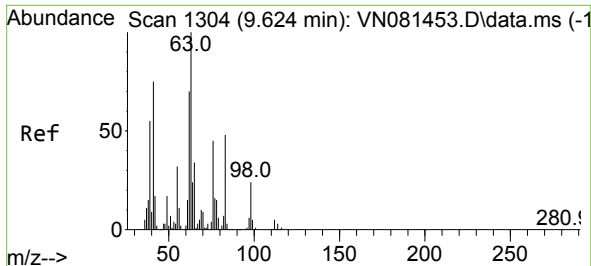
Ion Ratio Lower Upper

43 100

61 11.2 19.9 29.9#

87 8.0 9.0 13.6#





#45

1,2-Dichloropropane

Concen: 0.685 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN081592.D

Acq: 27 Mar 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

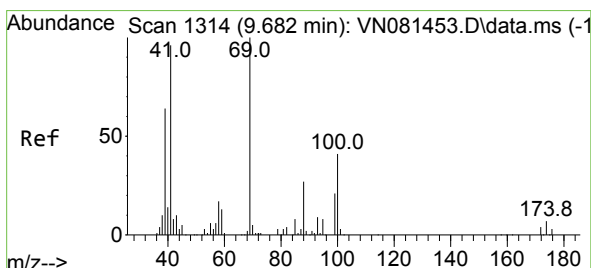
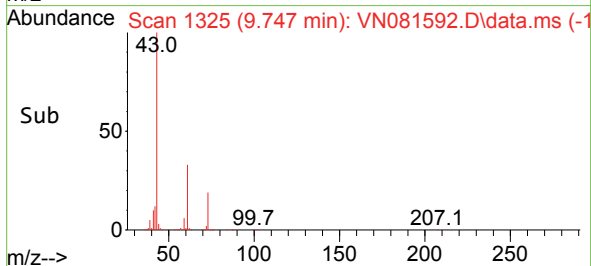
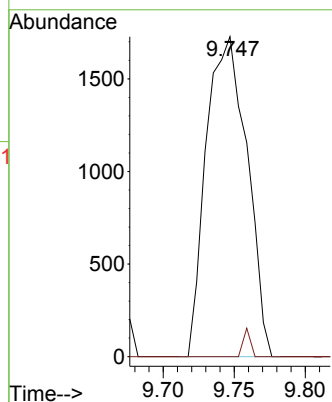
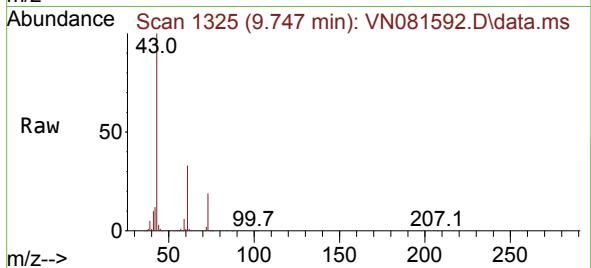
PB159779ZHE#08

Tgt Ion: 63 Resp: 3456

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 42.681 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN081592.D

Acq: 27 Mar 2024 17:56

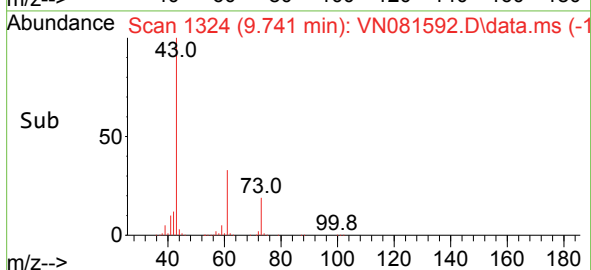
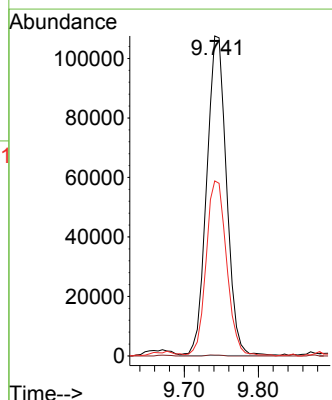
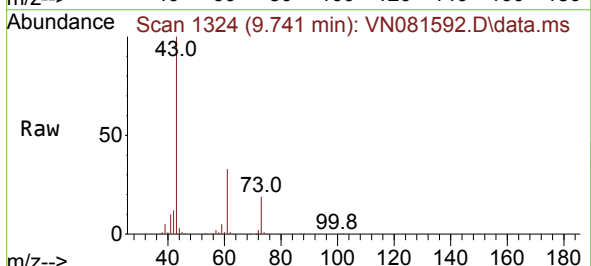
Tgt Ion: 41 Resp: 199024

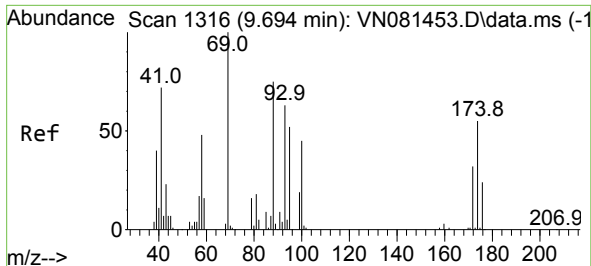
Ion Ratio Lower Upper

41 100

69 0.2 62.2 93.2#

39 56.9 47.6 71.4





#49

1,4-Dioxane

Concen: 4.034 ug/l

RT: 9.729 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN081592.D

Acq: 27 Mar 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

PB159779ZHE#08

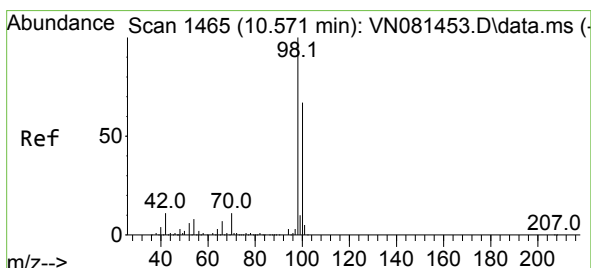
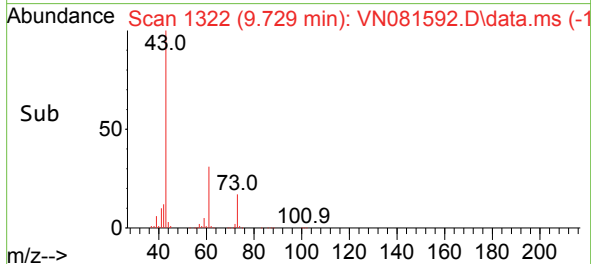
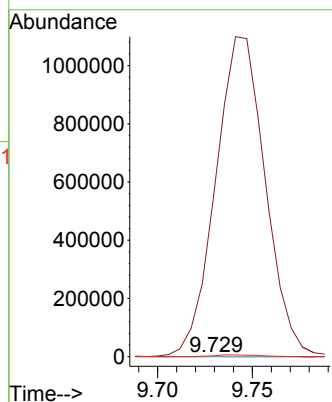
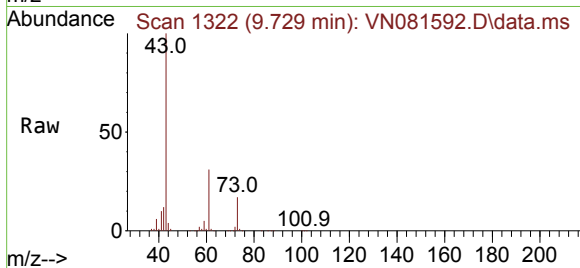
Tgt Ion: 88 Resp: 452

Ion Ratio Lower Upper

88 100

43 445820.6 30.1 45.1#

58 2492.9 63.9 95.9#



#50

Toluene-d8

Concen: 53.640 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN081592.D

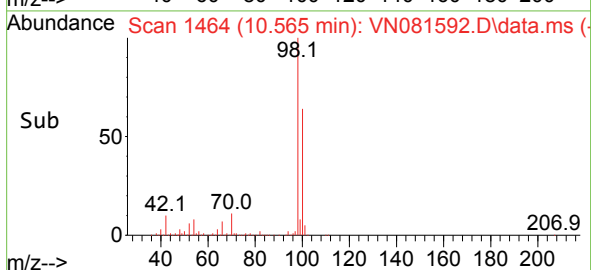
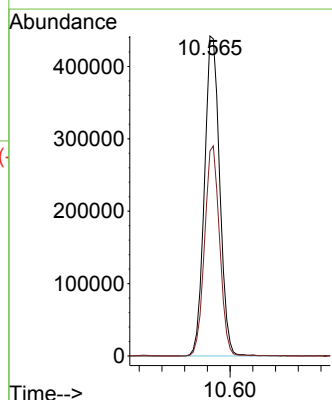
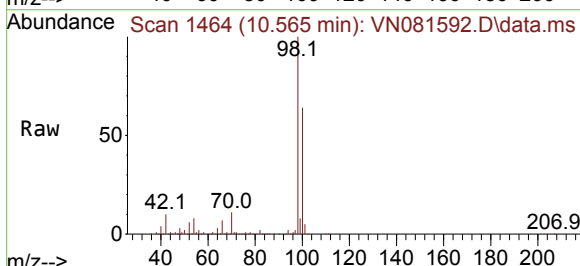
Acq: 27 Mar 2024 17:56

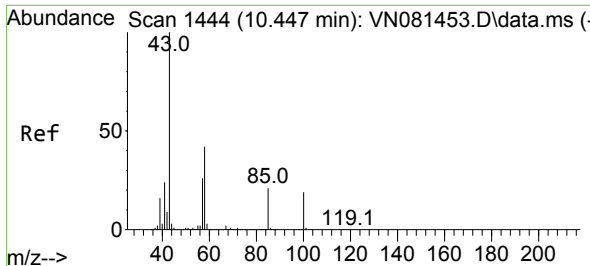
Tgt Ion: 98 Resp: 820671

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0

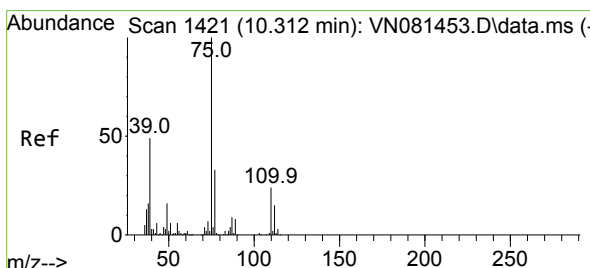
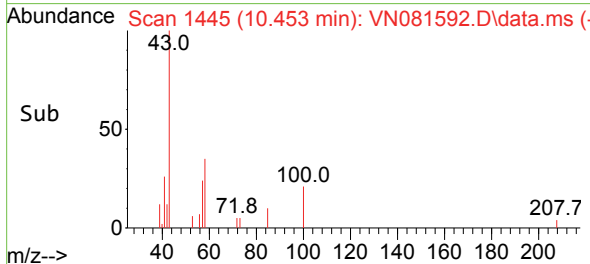
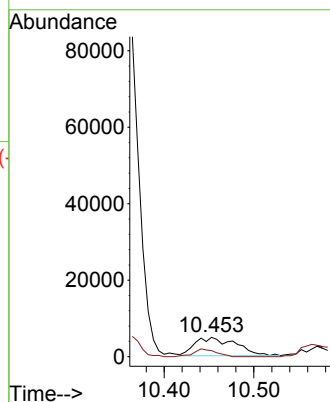
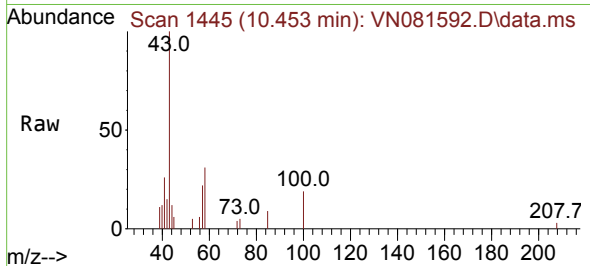




#51
4-Methyl-2-Pentanone
Concen: 2.496 ug/l
RT: 10.453 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

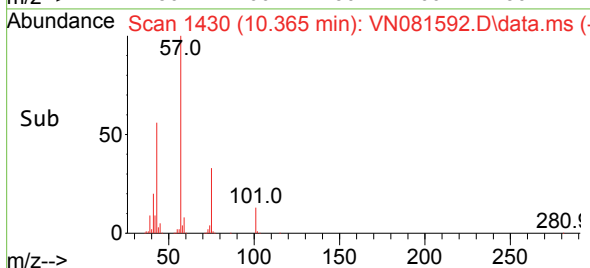
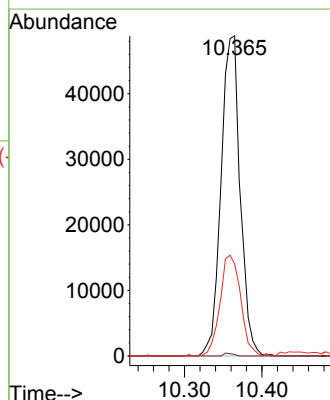
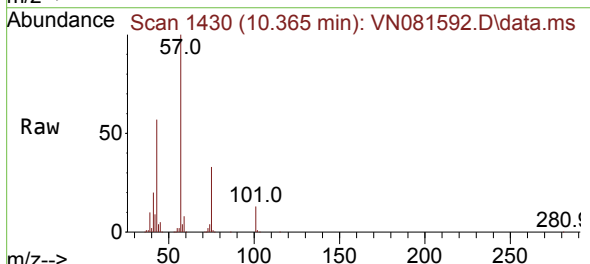
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#08

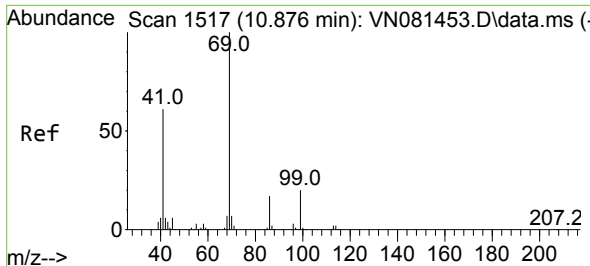
Tgt Ion: 43 Resp: 15396
Ion Ratio Lower Upper
43 100
58 22.7 29.4 44.0#



#54
cis-1,3-Dichloropropene
Concen: 9.659 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.053 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

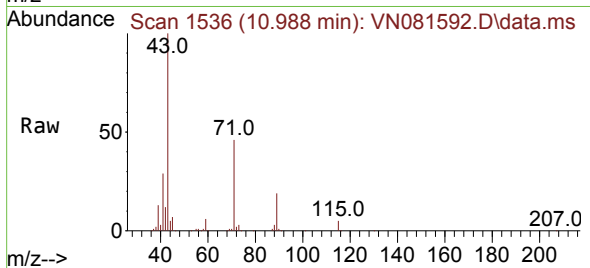
Tgt Ion: 75 Resp: 83789
Ion Ratio Lower Upper
75 100
77 0.5 23.3 34.9#
39 28.7 44.6 66.8#



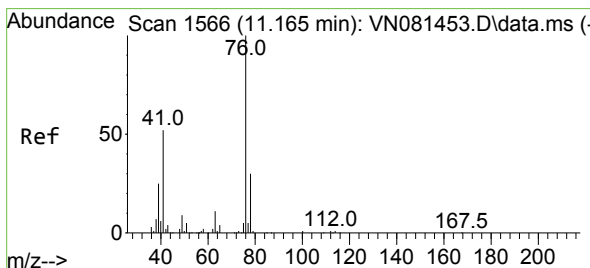
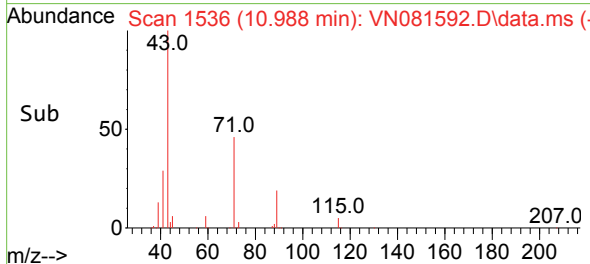
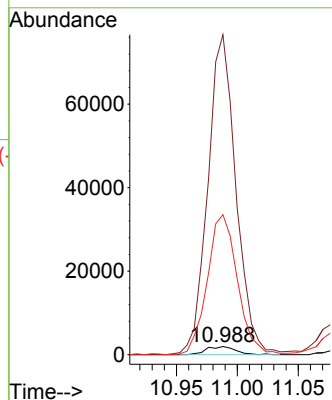


#56
Ethyl methacrylate
Concen: 1.024 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#08

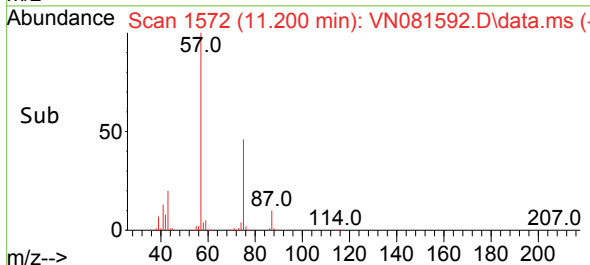
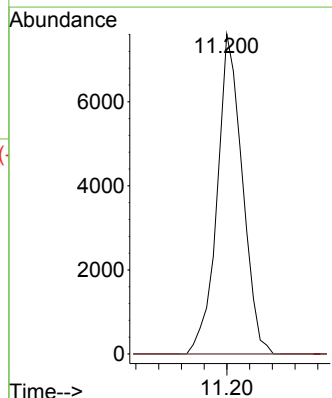
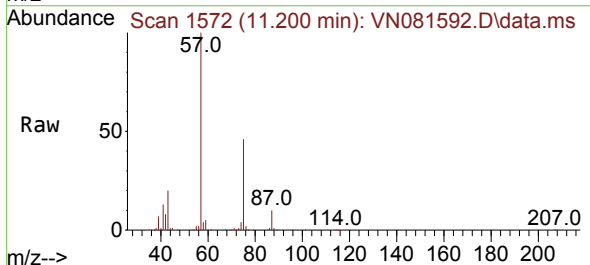


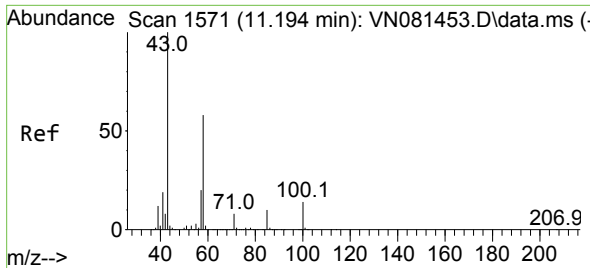
Tgt Ion: 69 Resp: 3277
Ion Ratio Lower Upper
69 100
41 3770.0 61.0 91.6#
39 1762.4 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.342 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

Tgt Ion: 76 Resp: 11717
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

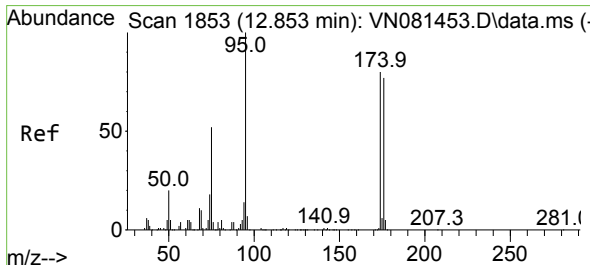
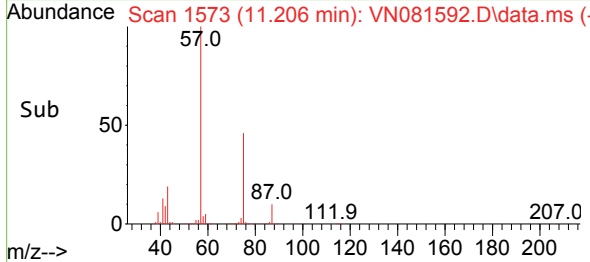
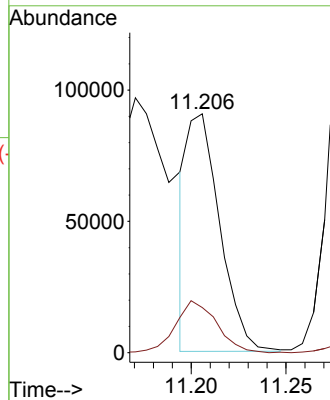
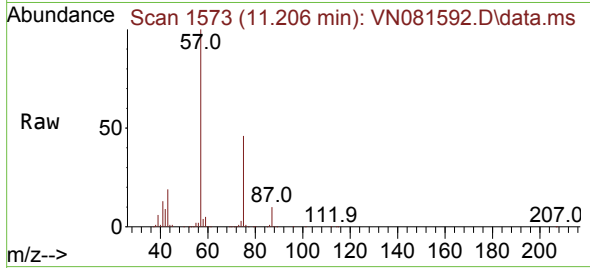




#59
2-Hexanone
Concen: 23.736 ug/l
RT: 11.206 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

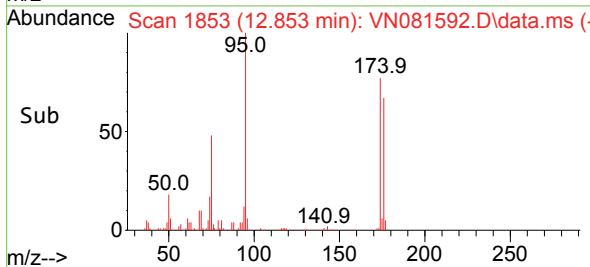
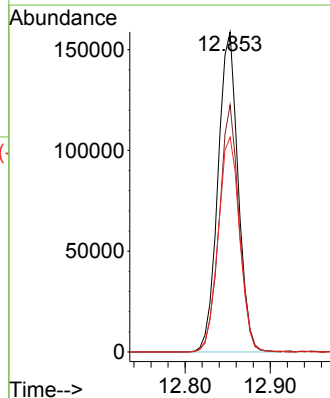
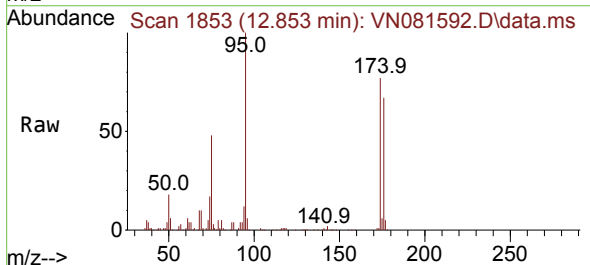
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#08

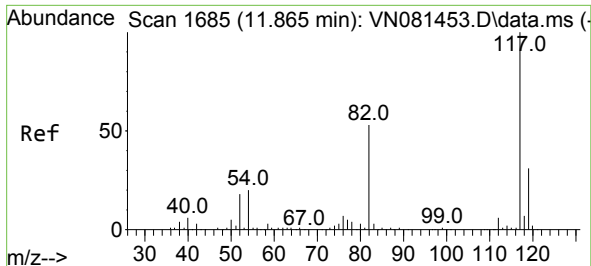
Tgt Ion: 43 Resp: 108258
Ion Ratio Lower Upper
43 100
58 27.9 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 48.200 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

Tgt Ion: 95 Resp: 259846
Ion Ratio Lower Upper
95 100
174 76.5 0.0 120.4
176 71.5 0.0 121.0

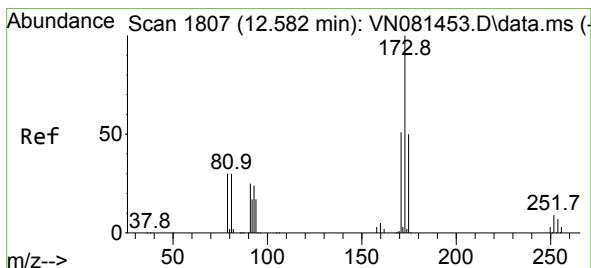
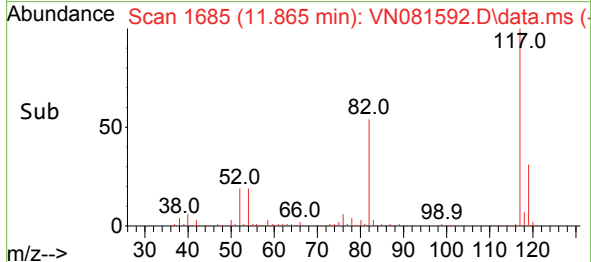
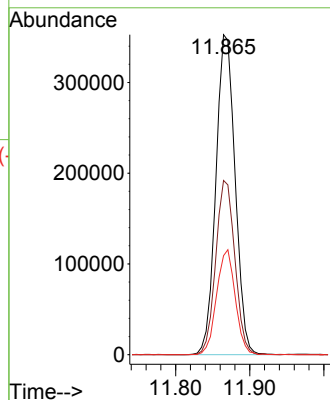
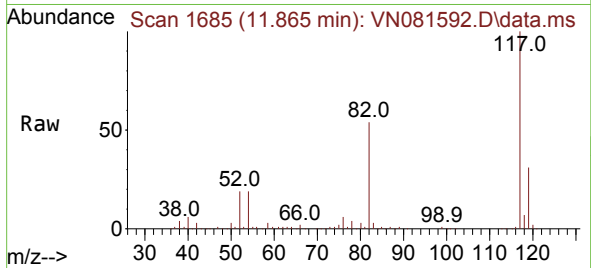




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

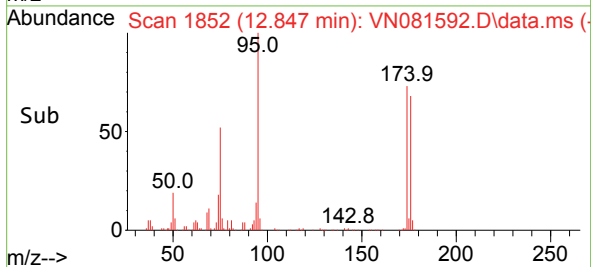
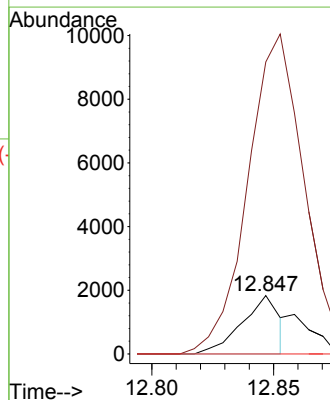
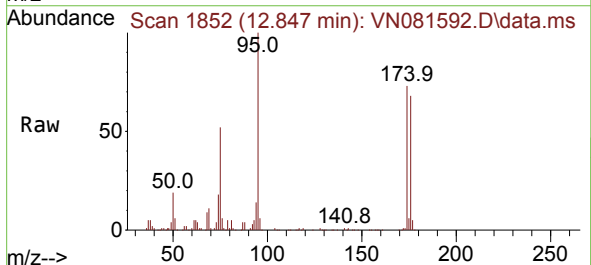
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#08

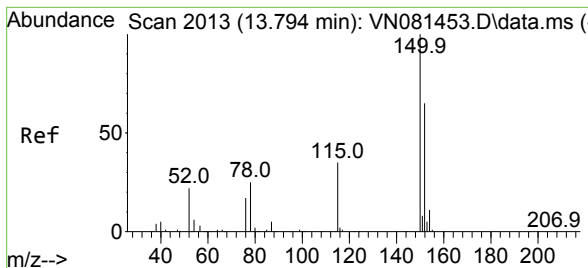
Tgt Ion:117 Resp: 635994
Ion Ratio Lower Upper
117 100
82 54.4 52.7 79.1
119 30.9 25.3 37.9



#71
Bromoform
Concen: 0.470 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

Tgt Ion:173 Resp: 1970
Ion Ratio Lower Upper
173 100
175 682.8 23.1 69.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN081592.D

Acq: 27 Mar 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

PB159779ZHE#08

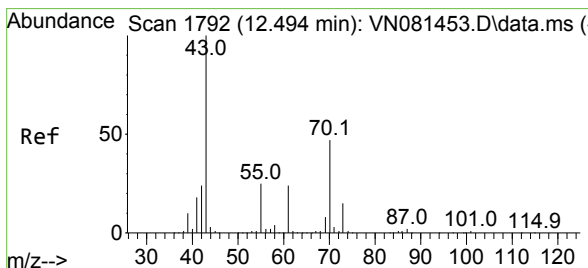
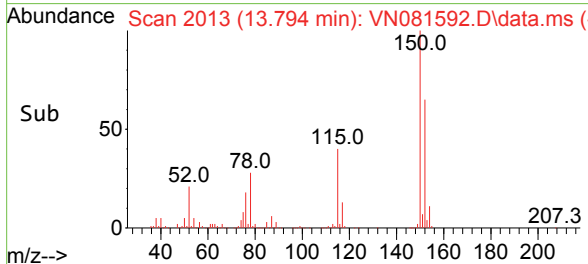
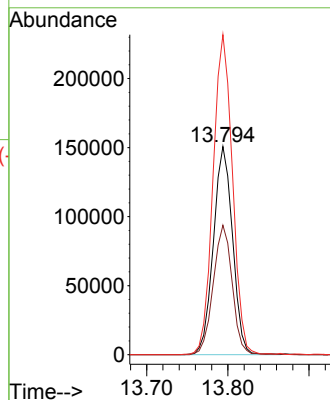
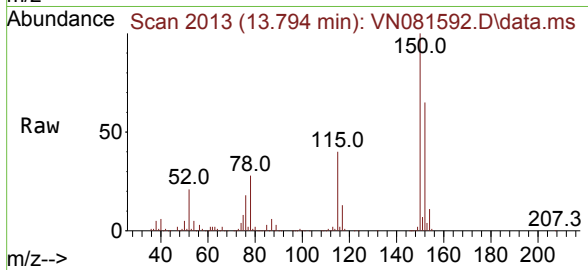
Tgt Ion:152 Resp: 247698

Ion Ratio Lower Upper

152 100

115 61.5 32.3 96.8

150 155.1 0.0 339.8



#74

N-ethyl acetate

Concen: 0.224 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN081592.D

Acq: 27 Mar 2024 17:56

Tgt Ion: 43 Resp: 1710

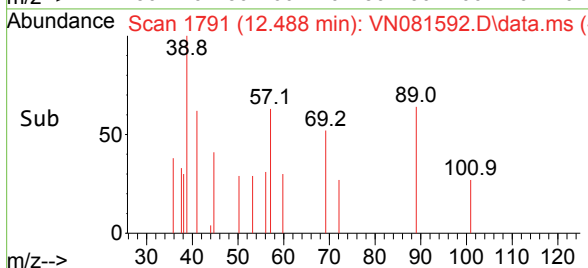
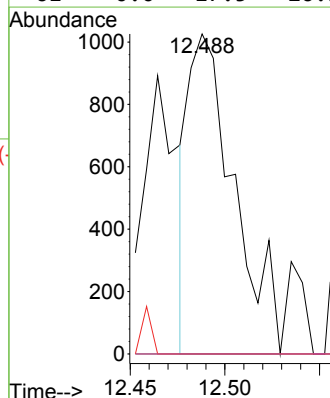
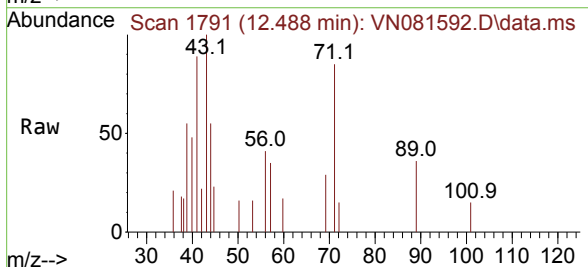
Ion Ratio Lower Upper

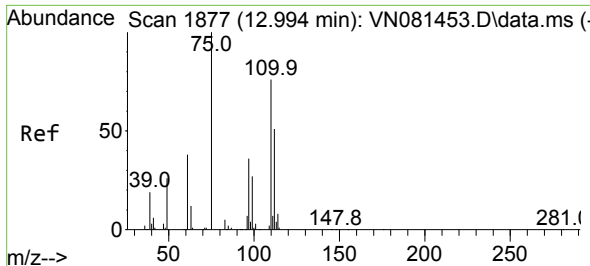
43 100

70 0.0 30.1 45.1#

55 0.0 17.0 25.4#

61 0.0 17.5 26.3#

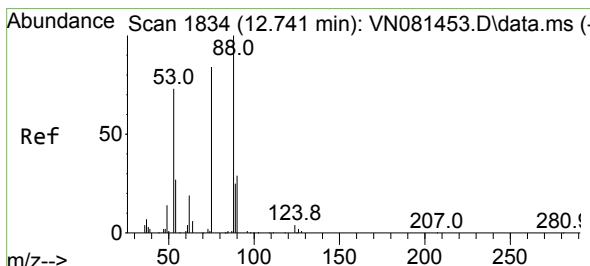
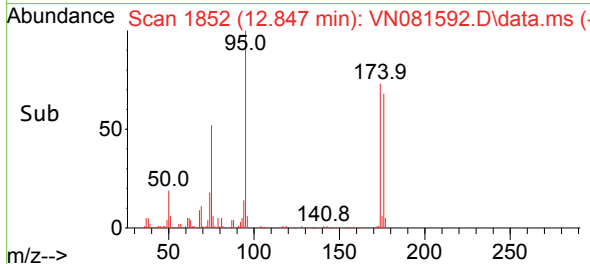
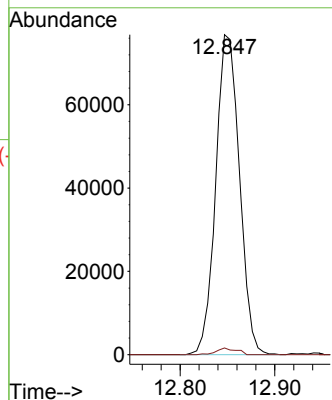
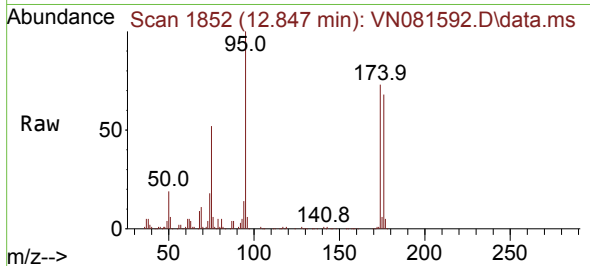




#76
1,2,3-Trichloropropane
Concen: 22.580 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#08

Tgt Ion: 75 Resp: 133786
Ion Ratio Lower Upper
75 100
77 1.8 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.018 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081592.D
Acq: 27 Mar 2024 17:56

Tgt Ion: 75 Resp: 133786
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

