

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081628.D
 Acq On : 29 Mar 2024 20:16
 Operator : JC\MD
 Sample : PB159859ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#06

Quant Time: Mar 30 00:35:14 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)

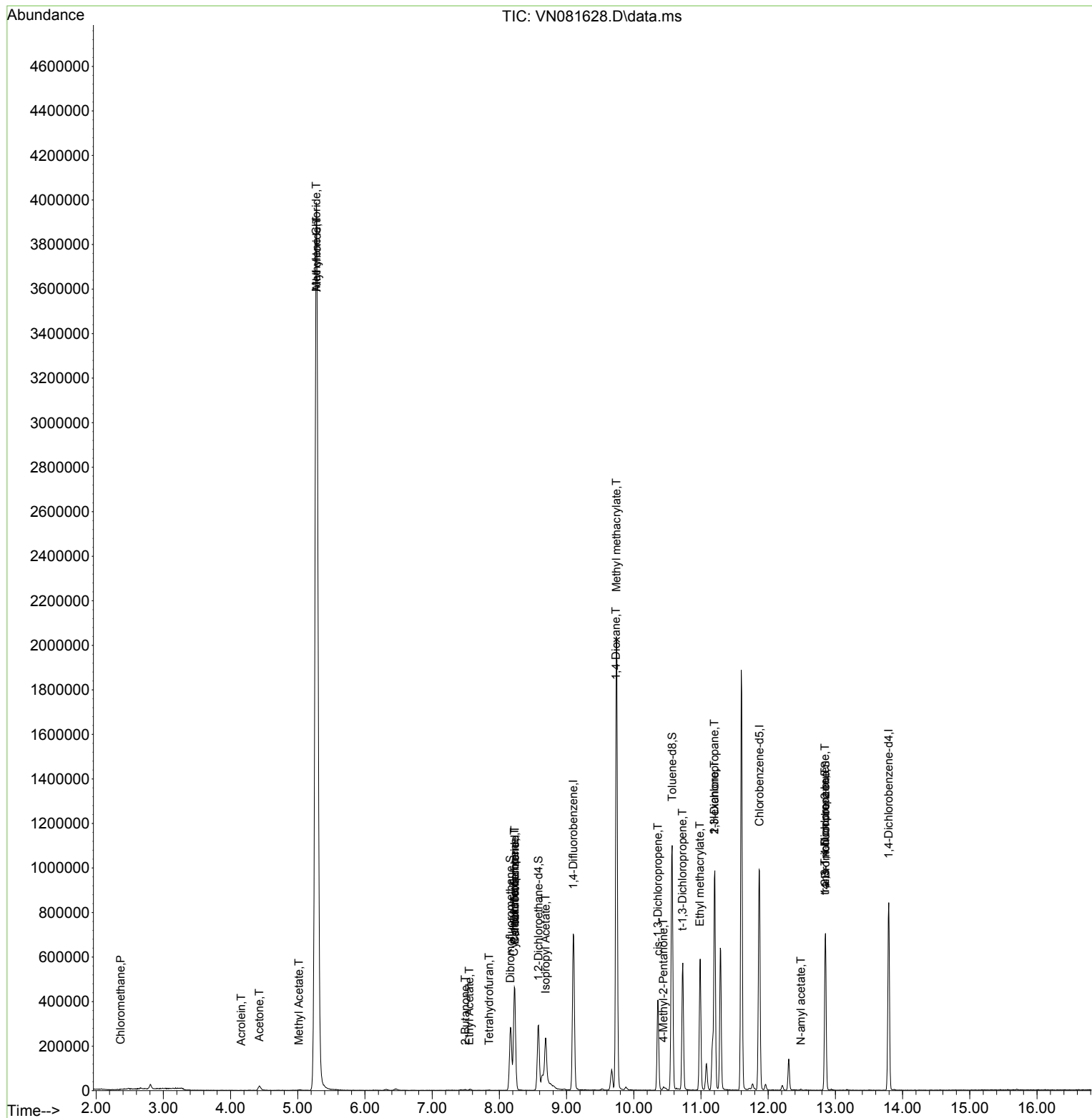
Internal Standards						
1) Pentafluorobenzene	8.229	168	326529	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	627587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	604806	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	233731	56.130	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.260%			
35) Dibromofluoromethane	8.165	113	203273	51.322	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.640%			
50) Toluene-d8	10.570	98	784948	54.824	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.640%			
62) 4-Bromofluorobenzene	12.853	95	243399	48.246	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 96.500%			
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	990	0.226	ug/l	# 84
13) Acrolein	4.159	56	140	0.215	ug/l	# 76
14) Allyl chloride	5.283	41	98251	20.347	ug/l	# 24
16) Acetone	4.430	43	33664	25.015	ug/l	91
18) Methyl Acetate	5.018	43	1723	0.415	ug/l	# 1
20) Methylene Chloride	5.277	84	3443731	781.207	ug/l	85
25) 2-Butanone	7.494	43	5773	2.501	ug/l	# 79
29) Tetrahydrofuran	7.847	42	889	0.572	ug/l	# 73
31) Cyclohexane	8.218	56	8176	1.207	ug/l	# 58
36) 1,1-Dichloropropene	8.224	75	28498	4.276	ug/l	# 48
37) Ethyl Acetate	7.553	43	5865	1.028	ug/l	# 94
38) Carbon Tetrachloride	8.229	117	34126	4.674	ug/l	# 18
43) Isopropyl Acetate	8.688	43	317044	33.511	ug/l	# 83
48) Methyl methacrylate	9.741	41	183907	42.144	ug/l	# 48
49) 1,4-Dioxane	9.735	88	64	0.610	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.441	43	14499	2.512	ug/l	# 81
53) t-1,3-Dichloropropene	10.723	75	1723	0.228	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	78166	9.628	ug/l	# 61
56) Ethyl methacrylate	10.982	69	3093	1.028	ug/l	# 1
57) 1,3-Dichloropropane	11.200	76	10951	1.340	ug/l	# 43
59) 2-Hexanone	11.200	43	121910	28.562	ug/l	# 56
74) N-amyl acetate	12.488	43	2608	0.372	ug/l	# 51
76) 1,2,3-Trichloropropane	12.847	75	124615	22.935	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	124615	61.977	ug/l	# 14

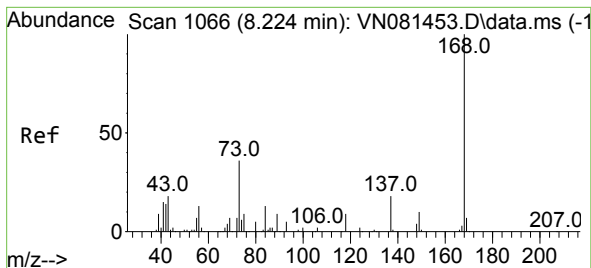
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 19 06:00:00 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN081628.D

Acq: 29 Mar 2024 20:16

Instrument :

MSVOA_N

ClientSampleId :

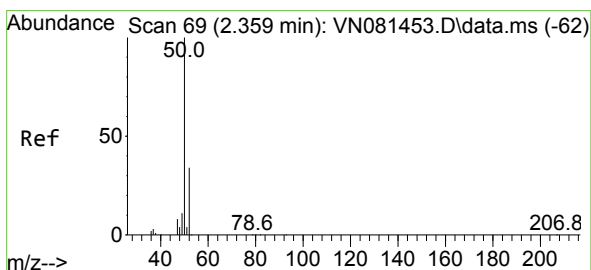
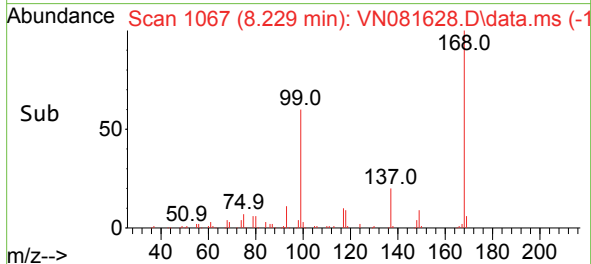
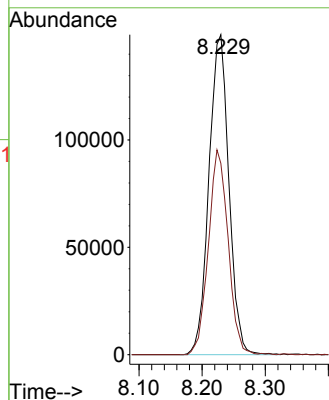
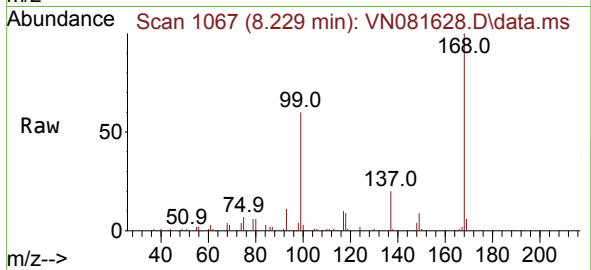
PB159859ZHE#06

Tgt Ion:168 Resp: 326529

Ion Ratio Lower Upper

168 100

99 59.8 59.9 89.9#



#3

Chloromethane

Concen: 0.226 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN081628.D

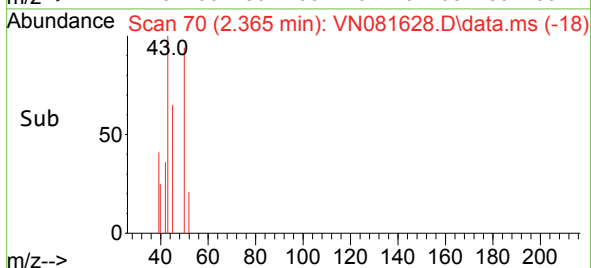
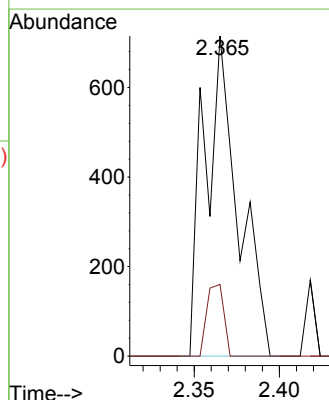
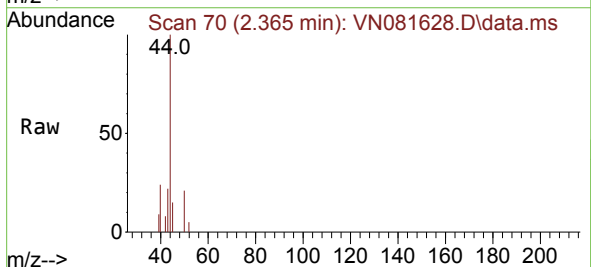
Acq: 29 Mar 2024 20:16

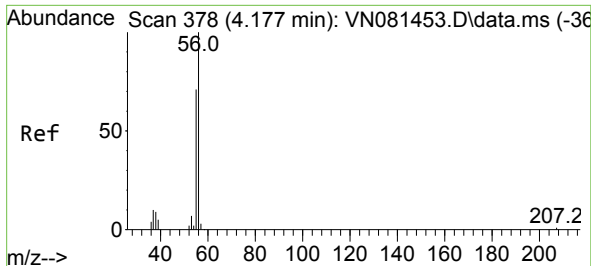
Tgt Ion: 50 Resp: 990

Ion Ratio Lower Upper

50 100

52 22.4 25.0 37.4#

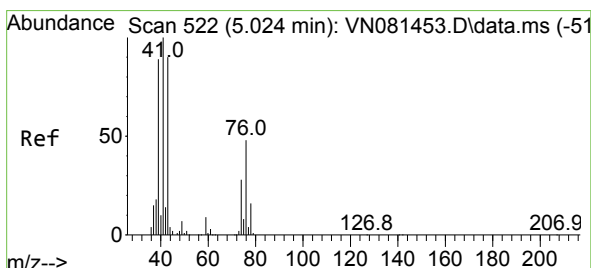
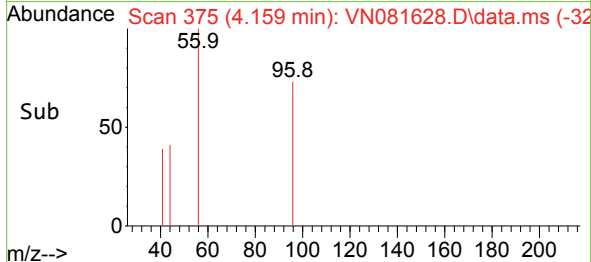
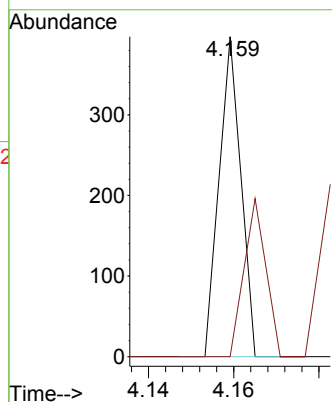
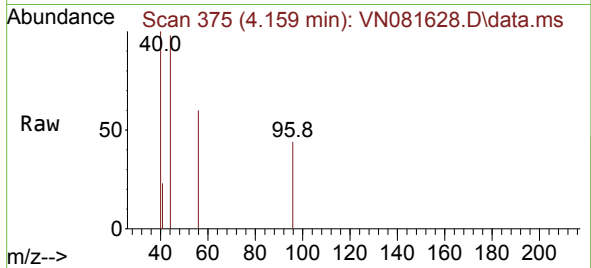




#13
Acrolein
Concen: 0.215 ug/l
RT: 4.159 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

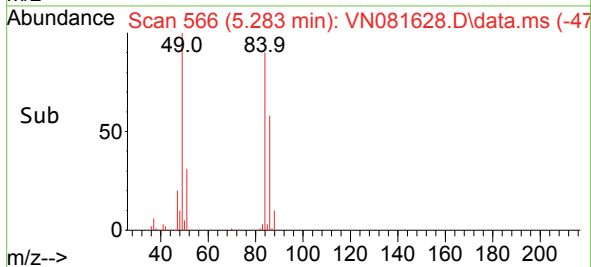
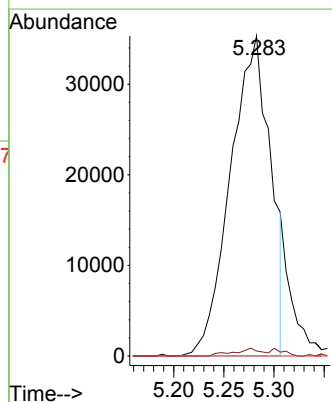
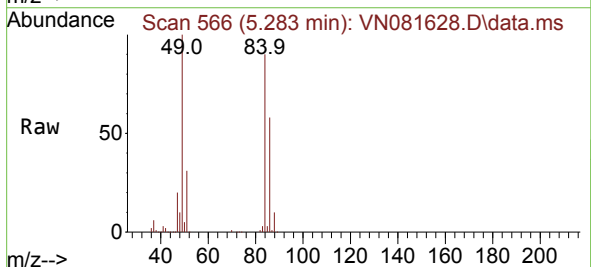
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#06

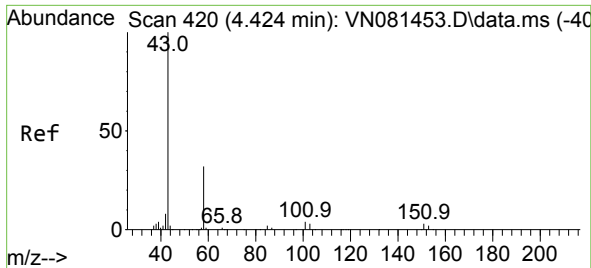
Tgt Ion: 56 Resp: 140
Ion Ratio Lower Upper
56 100
55 49.3 55.3 82.9#



#14
Allyl chloride
Concen: 20.347 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.259 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

Tgt Ion: 41 Resp: 98251
Ion Ratio Lower Upper
41 100
39 1.6 57.7 86.5#
76 0.0 26.8 40.2#

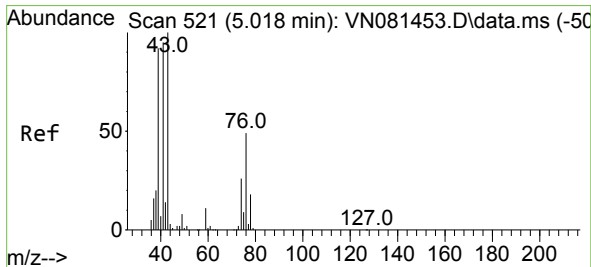
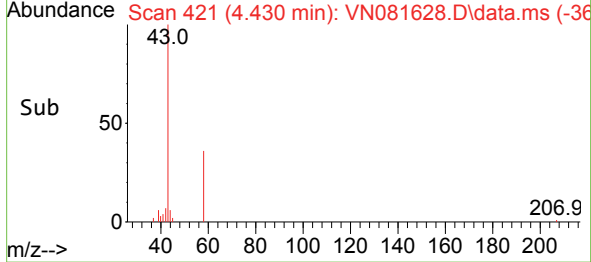
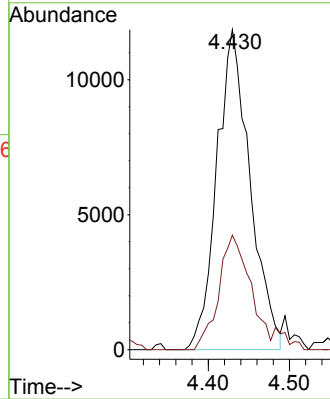
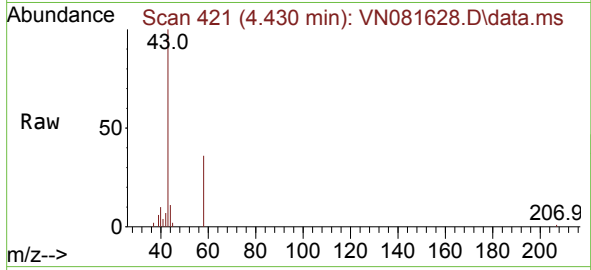




#16
Acetone
Concen: 25.015 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

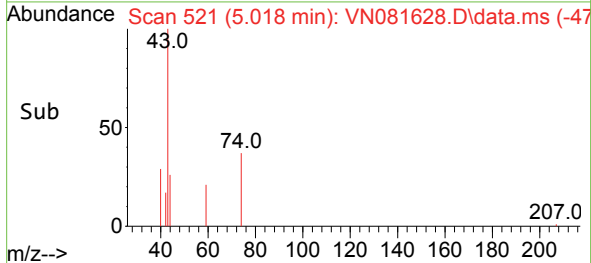
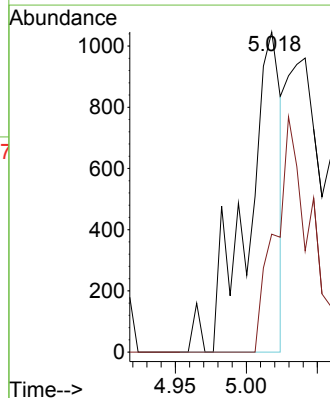
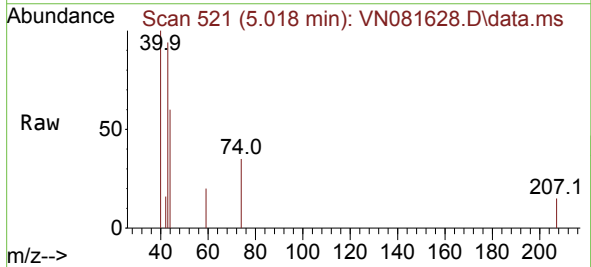
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#06

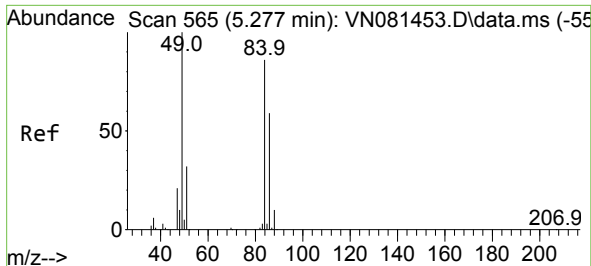
Tgt Ion: 43 Resp: 33664
Ion Ratio Lower Upper
43 100
58 35.8 24.8 37.2



#18
Methyl Acetate
Concen: 0.415 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

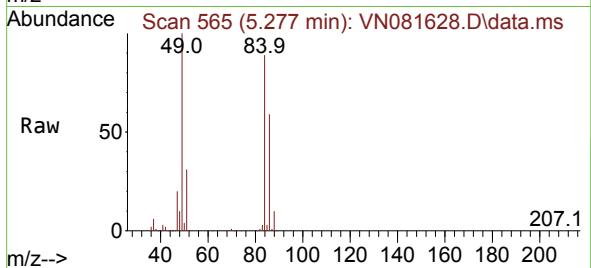
Tgt Ion: 43 Resp: 1723
Ion Ratio Lower Upper
43 100
74 73.5 17.3 25.9#





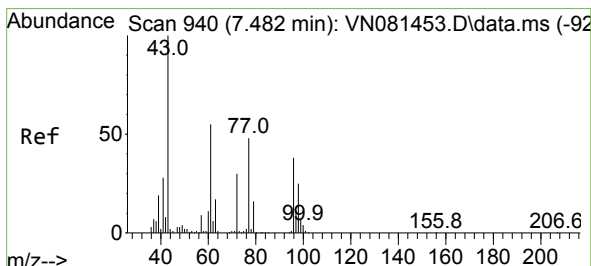
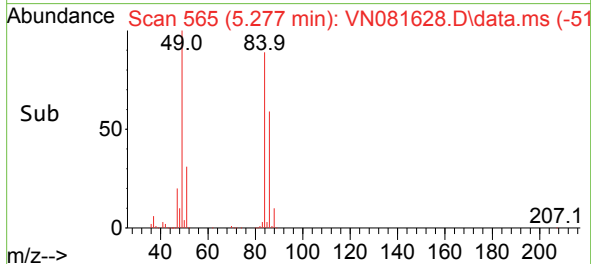
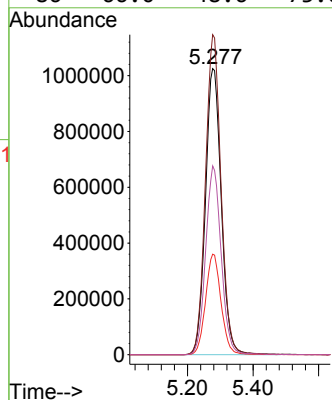
#20
Methylene Chloride
Concen: 781.207 ug/l
RT: 5.277 min Scan# 501
Delta R.T. -0.000 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#06



Tgt Ion: 84 Resp: 3443731

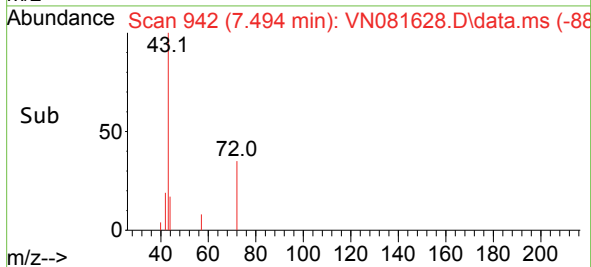
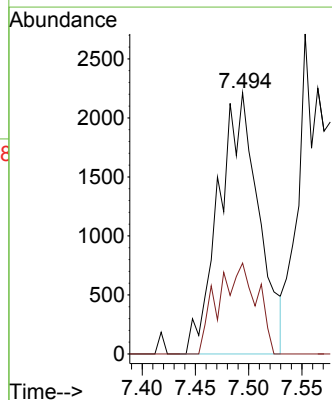
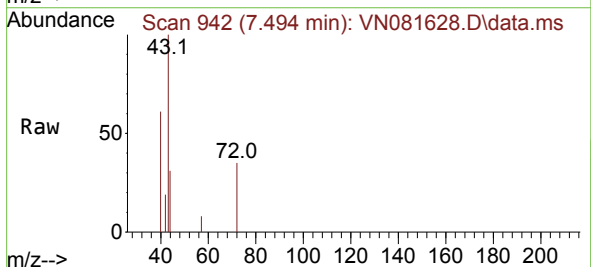
Ion	Ratio	Lower	Upper
84	100		
49	111.9	108.1	162.1
51	35.1	32.9	49.3
86	66.0	48.6	73.0

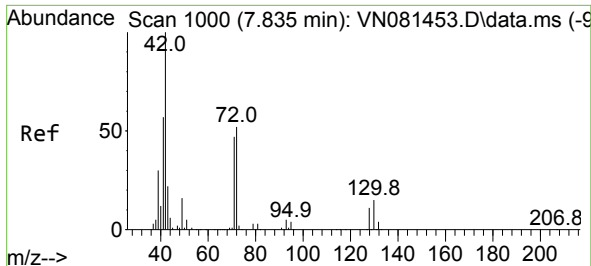


#25
2-Butanone
Concen: 2.501 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

Tgt Ion: 43 Resp: 5773

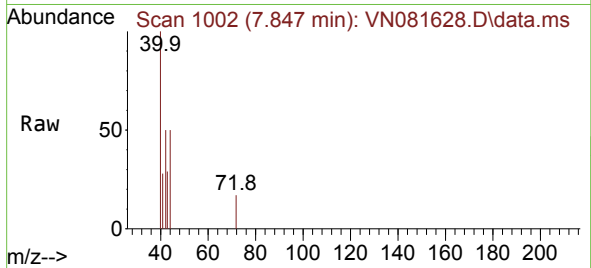
Ion	Ratio	Lower	Upper
43	100		
72	34.8	19.5	29.3#



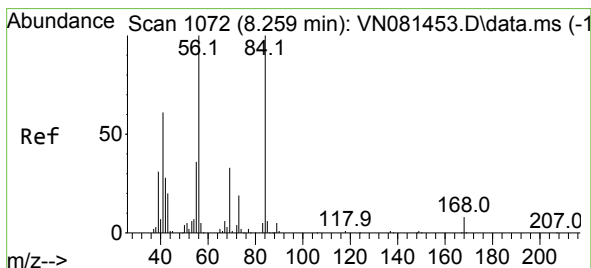
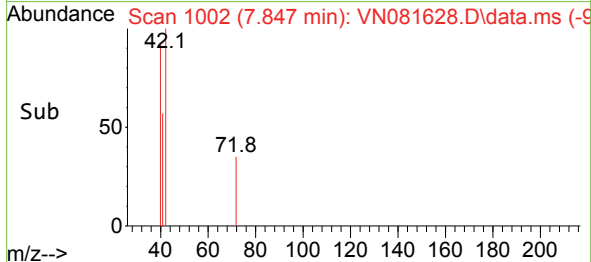
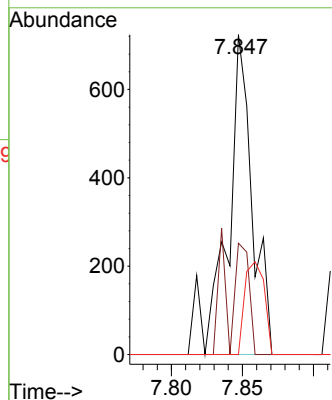


#29
Tetrahydrofuran
Concen: 0.572 ug/l
RT: 7.847 min Scan# 1065
Delta R.T. 0.012 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#06

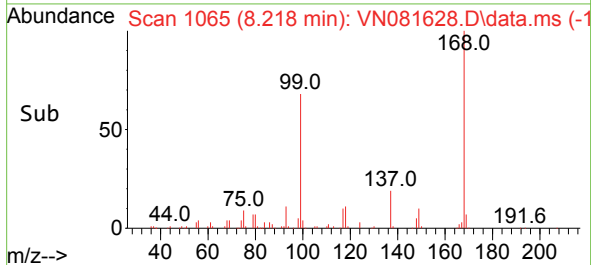
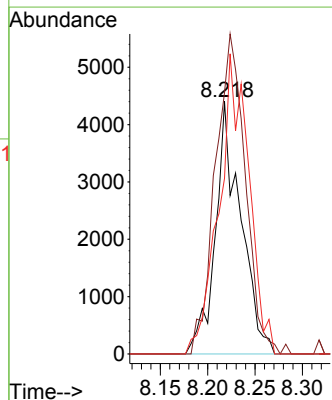
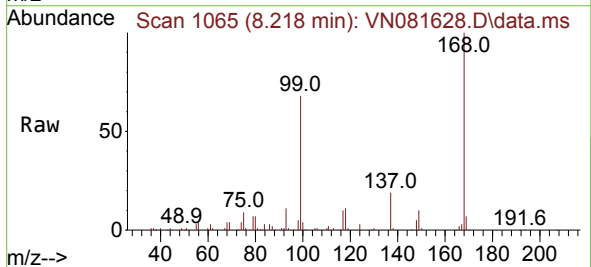


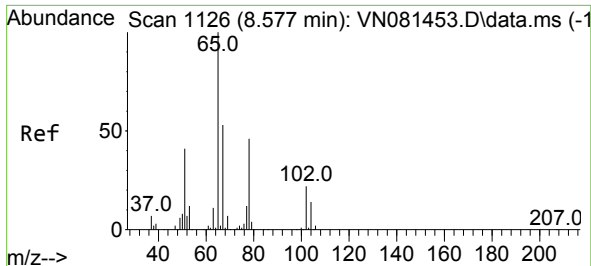
Tgt Ion: 42	Resp: 889
Ion Ratio	Lower Upper
42	100
72	19.2 31.1 46.7#
71	22.6 28.3 42.5#



#31
Cyclohexane
Concen: 1.207 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

Tgt Ion: 56	Resp: 8176
Ion Ratio	Lower Upper
56	100
69	103.6 20.1 30.1#
84	69.6 56.9 85.3





#33

1,2-Dichloroethane-d4

Concen: 56.130 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081628.D

Acq: 29 Mar 2024 20:16

Instrument :

MSVOA_N

ClientSampleId :

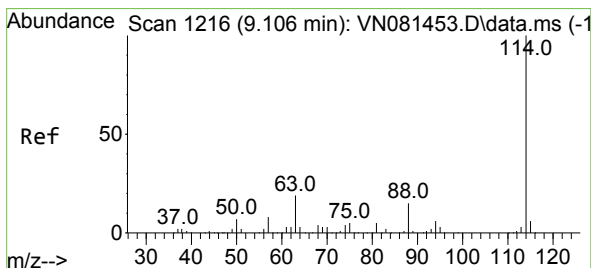
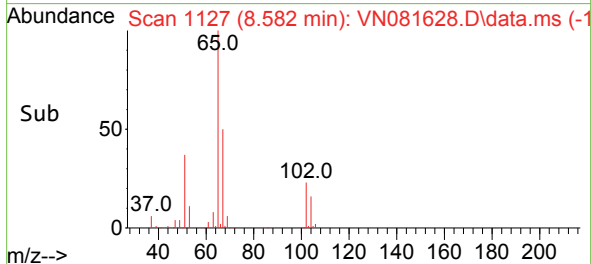
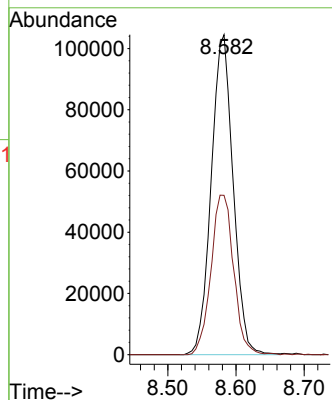
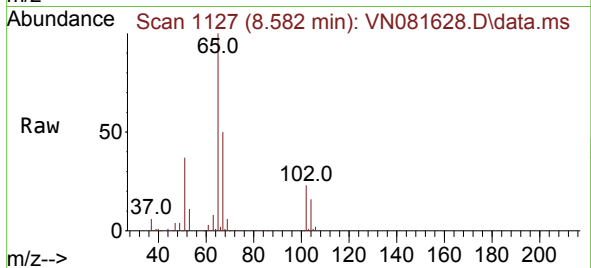
PB159859ZHE#06

Tgt Ion: 65 Resp: 233731

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081628.D

Acq: 29 Mar 2024 20:16

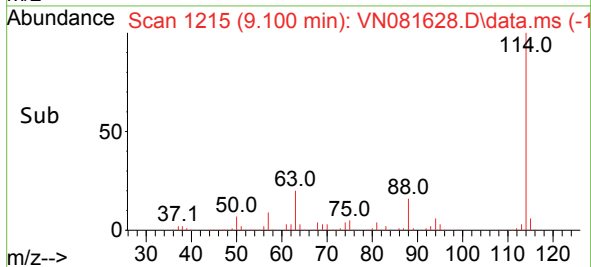
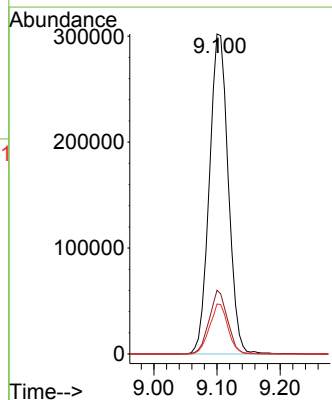
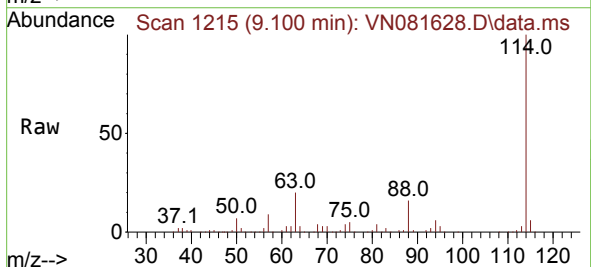
Tgt Ion: 114 Resp: 627587

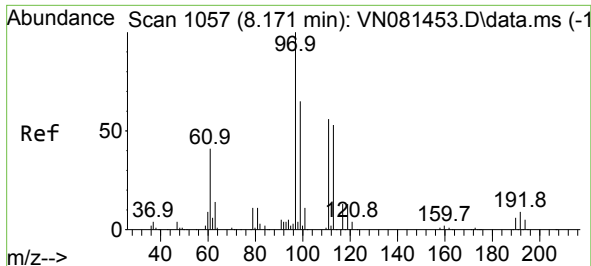
Ion Ratio Lower Upper

114 100

63 19.9 0.0 48.0

88 15.6 0.0 34.8

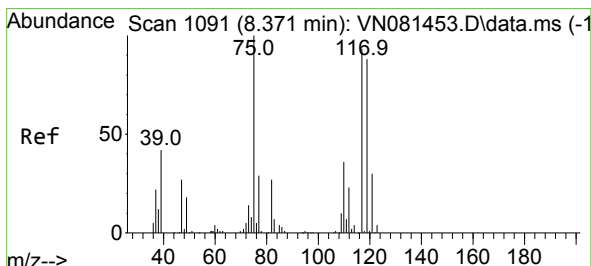
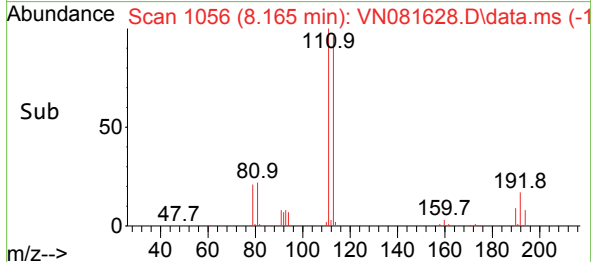
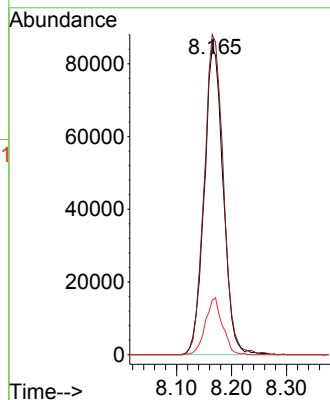
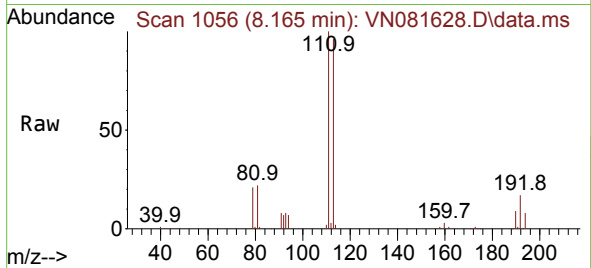




#35
Dibromofluoromethane
Concen: 51.322 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

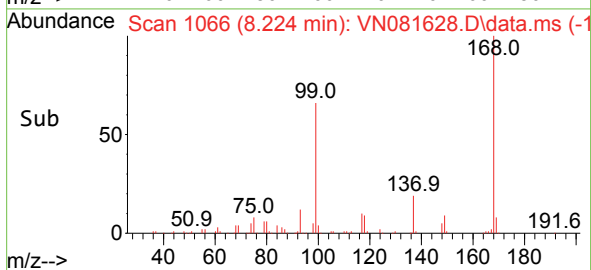
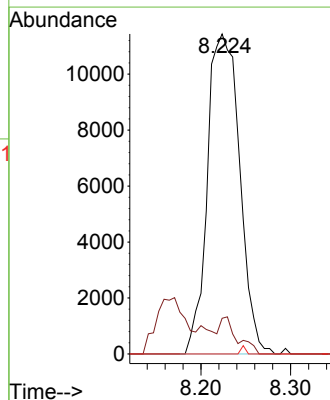
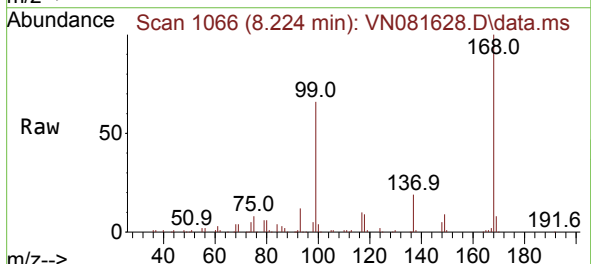
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#06

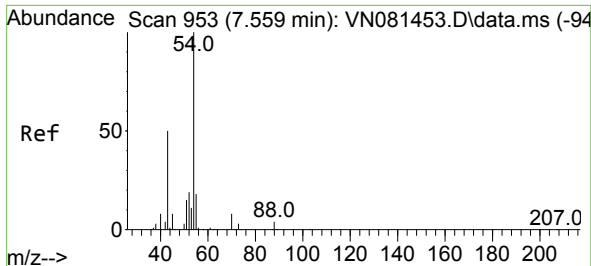
Tgt Ion:113 Resp: 203273
Ion Ratio Lower Upper
113 100
111 105.3 82.2 123.4
192 16.6 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.276 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

Tgt Ion: 75 Resp: 28498
Ion Ratio Lower Upper
75 100
110 6.1 16.0 48.0#
77 0.0 25.8 38.6#

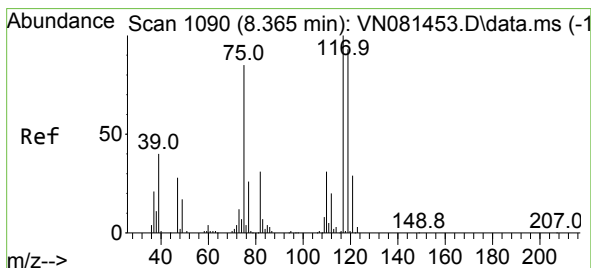
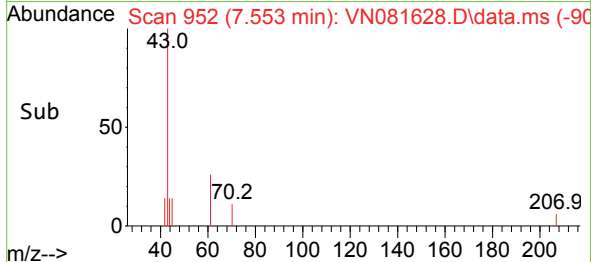
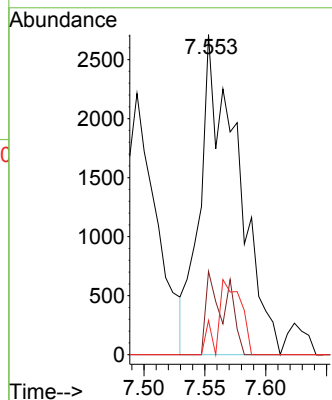
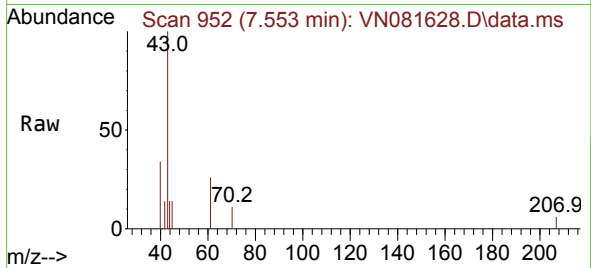




#37
Ethyl Acetate
Concen: 1.028 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

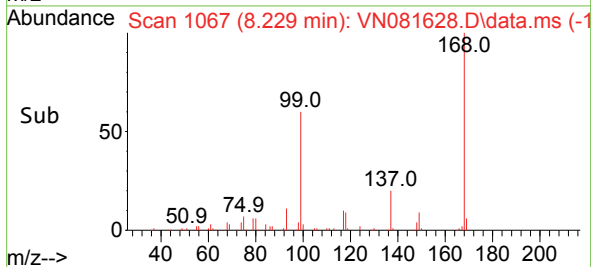
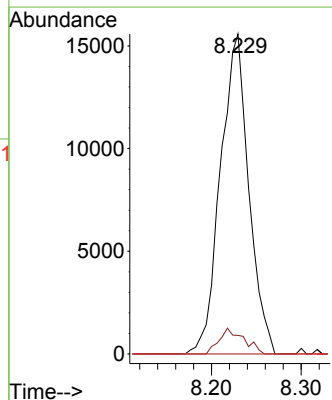
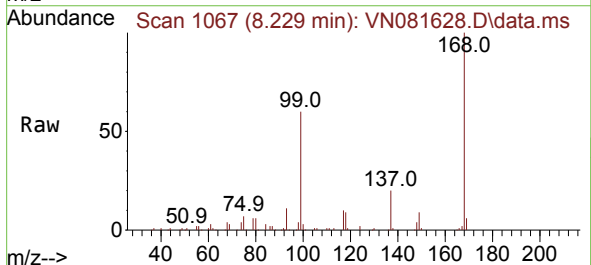
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#06

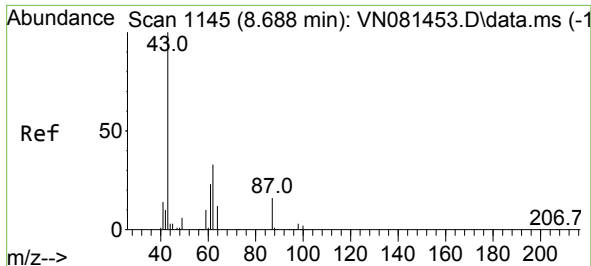
Tgt Ion: 43 Resp: 5865
Ion Ratio Lower Upper
43 100
61 13.7 10.6 15.8
70 14.2 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 4.674 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

Tgt Ion: 117 Resp: 34126
Ion Ratio Lower Upper
117 100
119 5.8 73.4 110.2#
121 0.0 24.4 36.6#

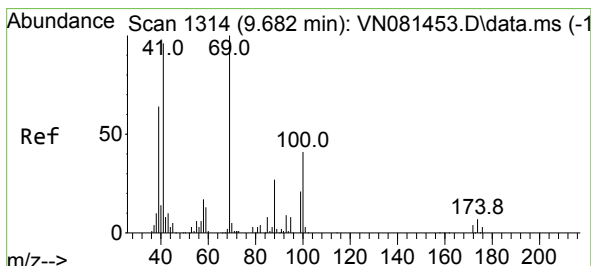
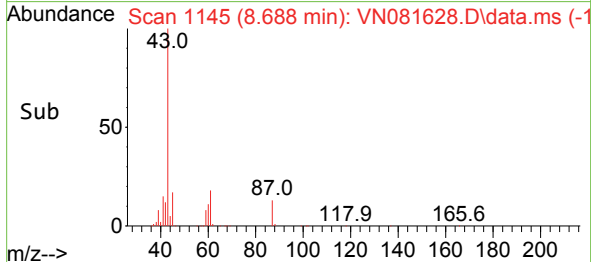
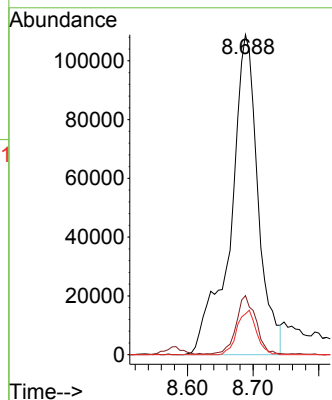
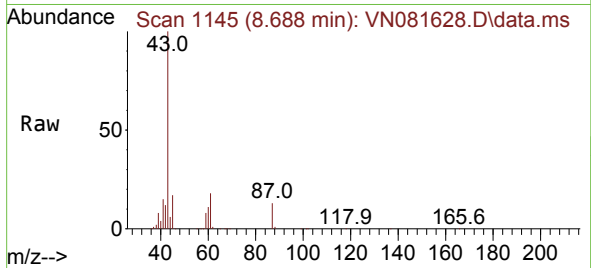




#43
Isopropyl Acetate
Concen: 33.511 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

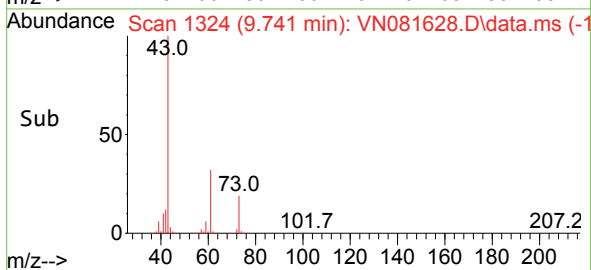
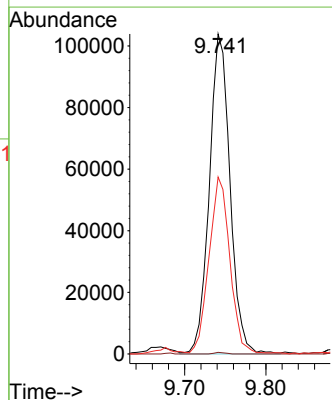
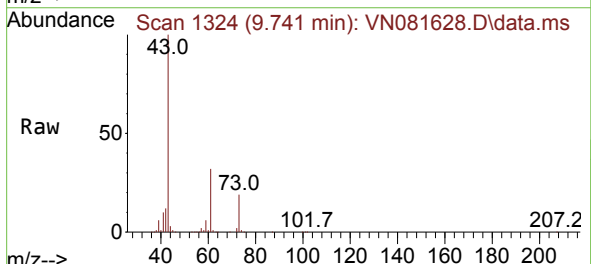
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#06

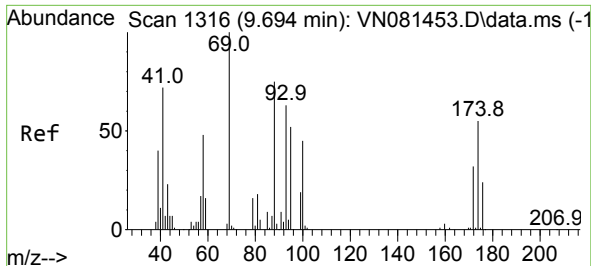
Tgt Ion: 43 Resp: 317044
Ion Ratio Lower Upper
43 100
61 13.5 19.9 29.9#
87 9.7 9.0 13.6



#48
Methyl methacrylate
Concen: 42.144 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

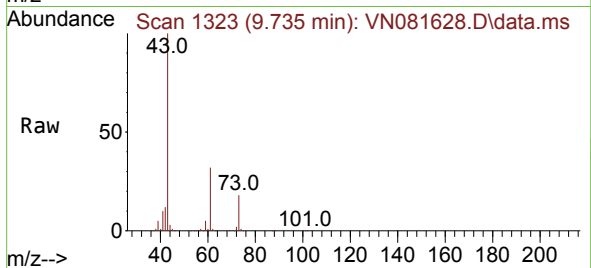
Tgt Ion: 41 Resp: 183907
Ion Ratio Lower Upper
41 100
69 0.3 62.2 93.2#
39 56.2 47.6 71.4



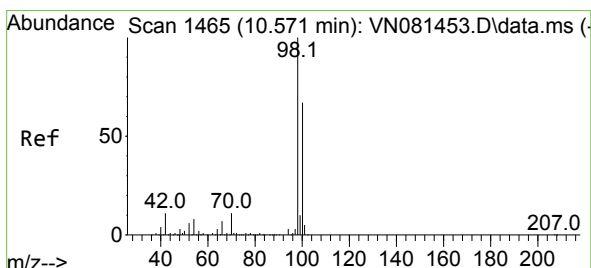
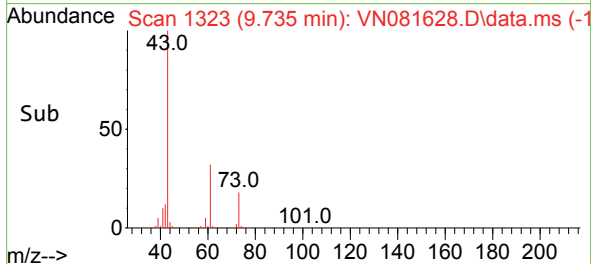
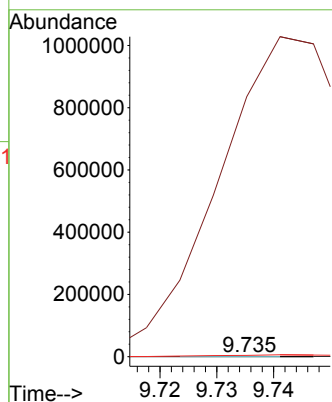


#49
1,4-Dioxane
Concen: 0.610 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#06

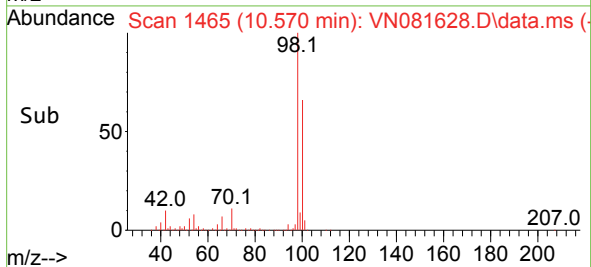
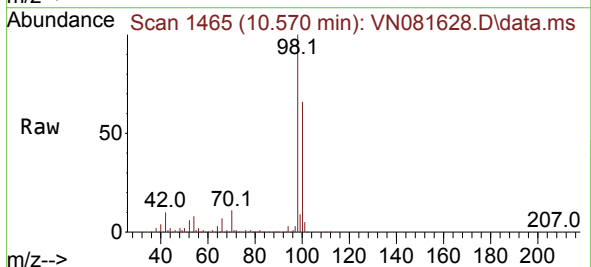
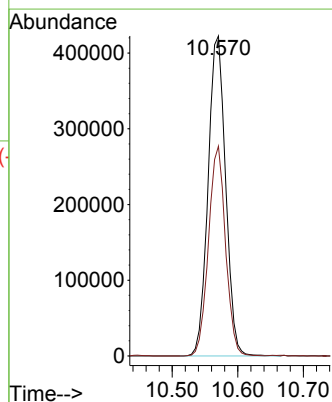


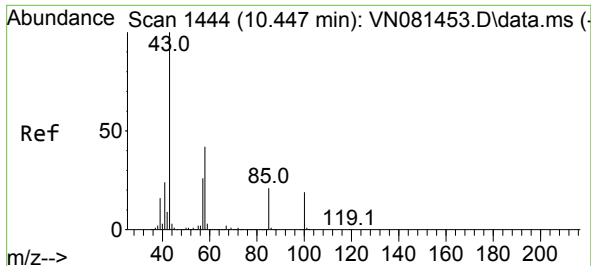
Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 2892518.8 30.1 45.1#
58 18146.9 63.9 95.9#



#50
Toluene-d8
Concen: 54.824 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

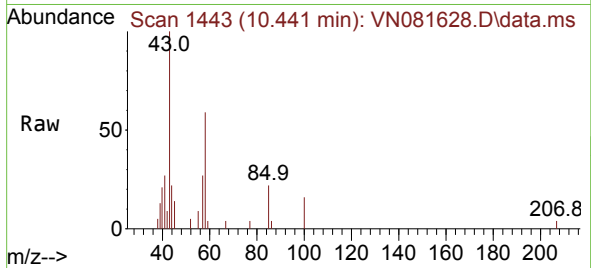
Tgt Ion: 98 Resp: 784948
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



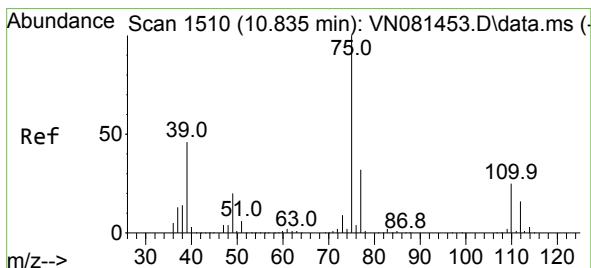
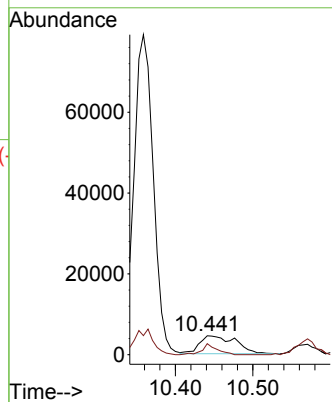
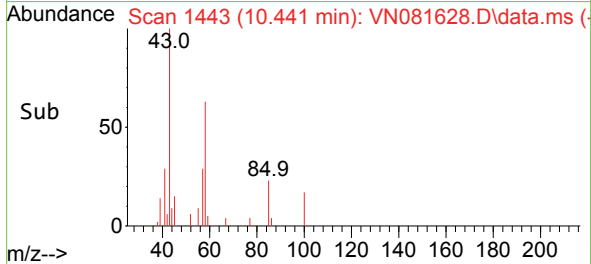


#51
4-Methyl-2-Pentanone
Concen: 2.512 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#06

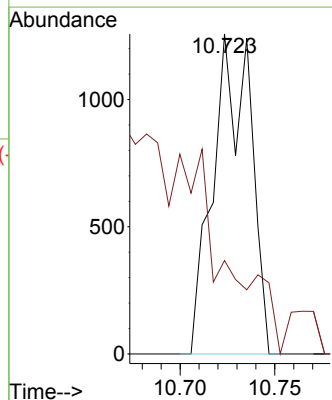
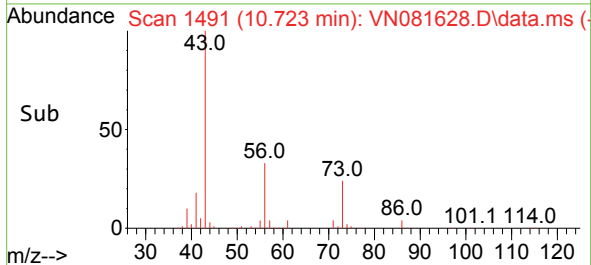
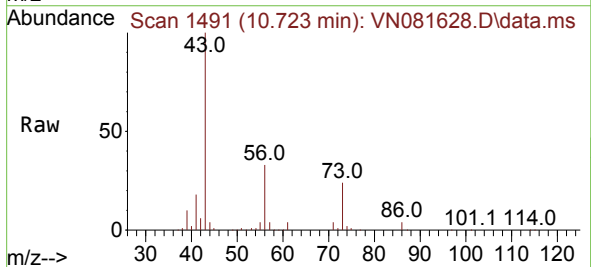


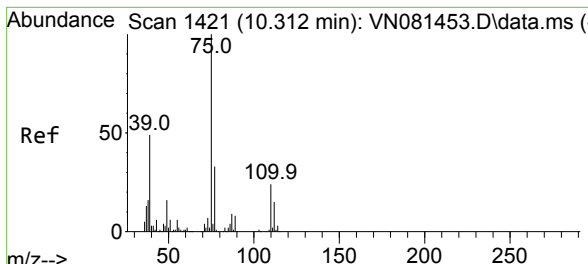
Tgt Ion: 43 Resp: 14499
Ion Ratio Lower Upper
43 100
58 25.1 29.4 44.0#



#53
t-1,3-Dichloropropene
Concen: 0.228 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

Tgt Ion: 75 Resp: 1723
Ion Ratio Lower Upper
75 100
77 29.2 25.5 38.3

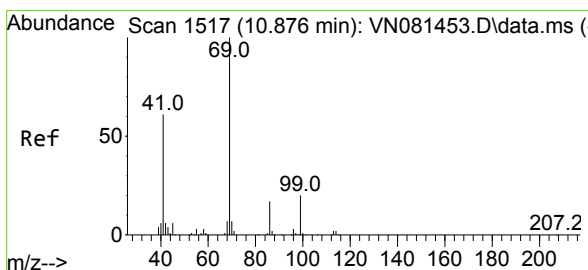
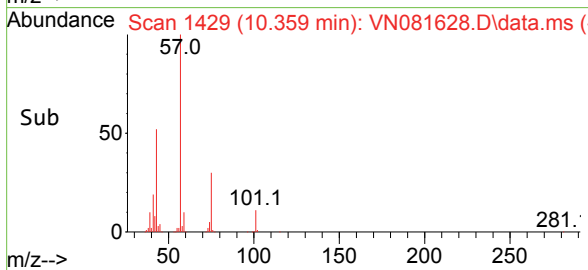
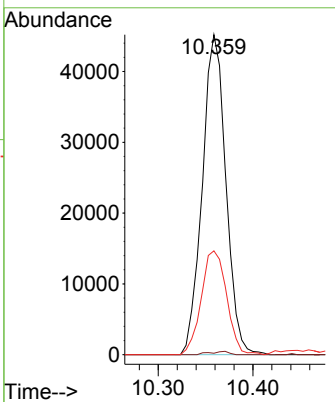
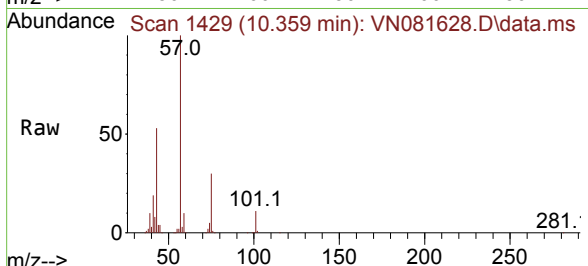




#54
 cis-1,3-Dichloropropene
 Concen: 9.628 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081628.D
 Acq: 29 Mar 2024 20:16

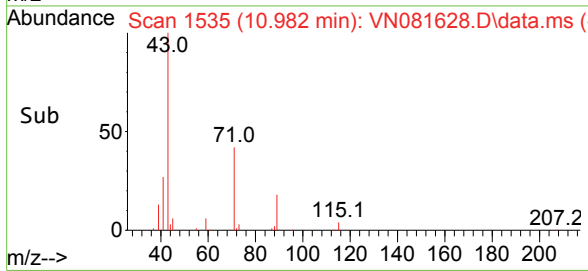
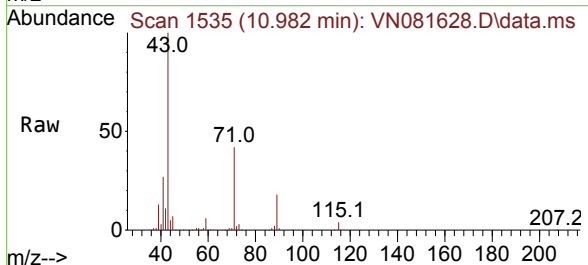
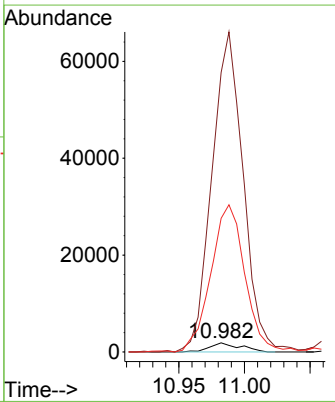
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#06

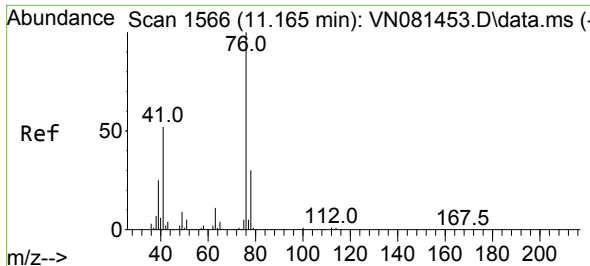
Tgt Ion:	75	Resp:	78166
Ion Ratio	Lower	Upper	
75	100		
77	0.5	23.3	34.9#
39	32.4	44.6	66.8#



#56
 Ethyl methacrylate
 Concen: 1.028 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN081628.D
 Acq: 29 Mar 2024 20:16

Tgt Ion:	69	Resp:	3093
Ion Ratio	Lower	Upper	
69	100		
41	3553.9	61.0	91.6#
39	1774.3	31.8	47.6#





#57

1,3-Dichloropropane

Concen: 1.340 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN081628.D

Acq: 29 Mar 2024 20:16

Instrument :

MSVOA_N

ClientSampleId :

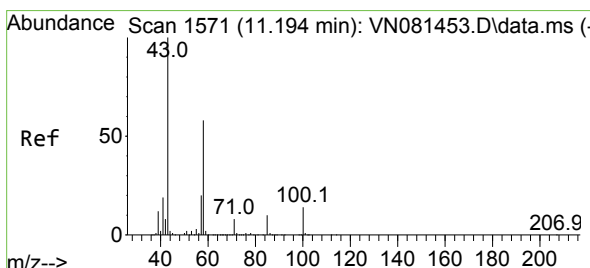
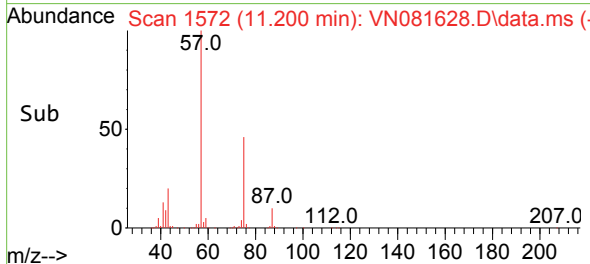
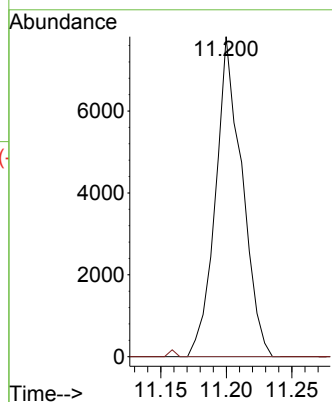
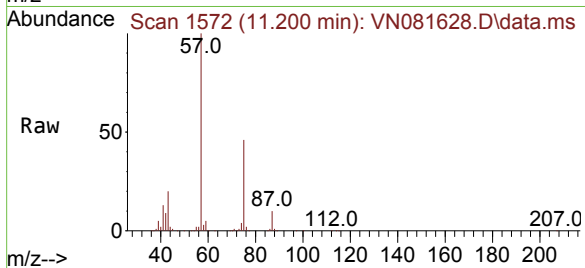
PB159859ZHE#06

Tgt Ion: 76 Resp: 10951

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 28.562 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN081628.D

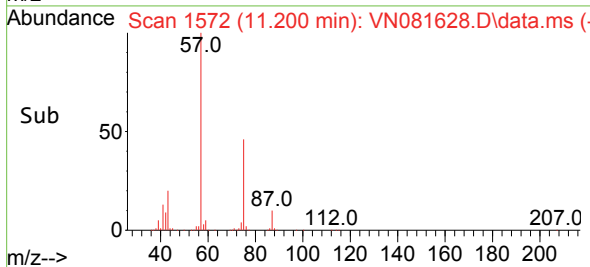
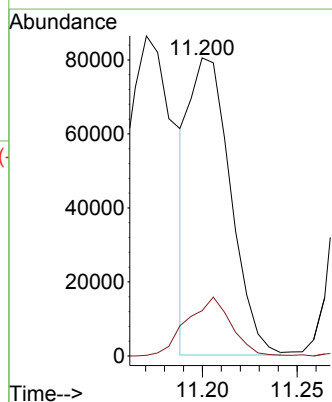
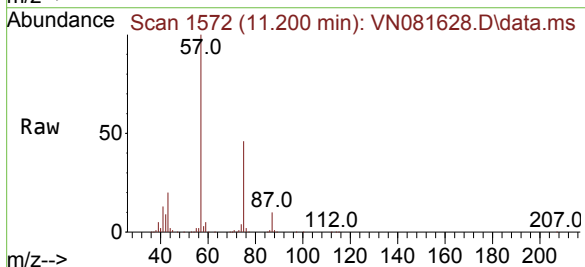
Acq: 29 Mar 2024 20:16

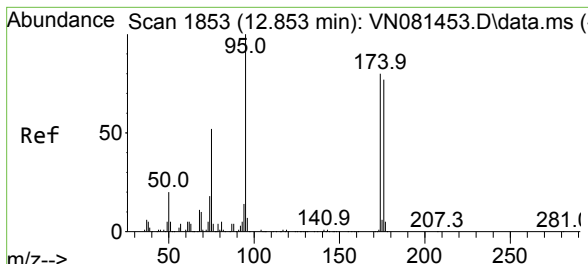
Tgt Ion: 43 Resp: 121910

Ion Ratio Lower Upper

43 100

58 21.3 25.9 77.8#

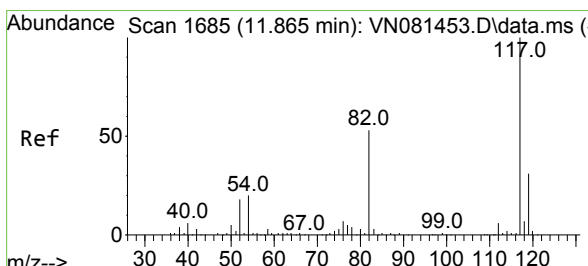
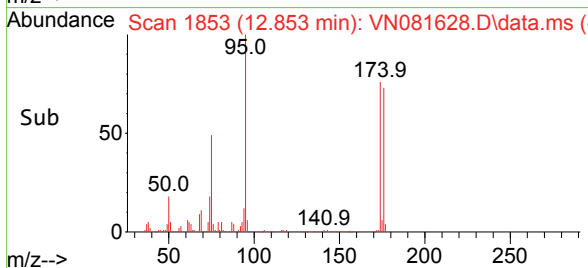
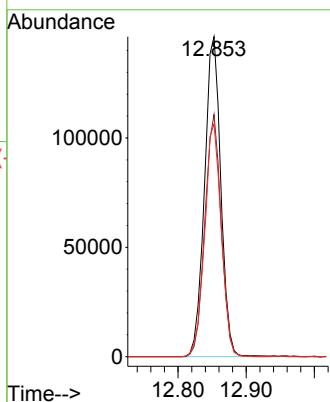
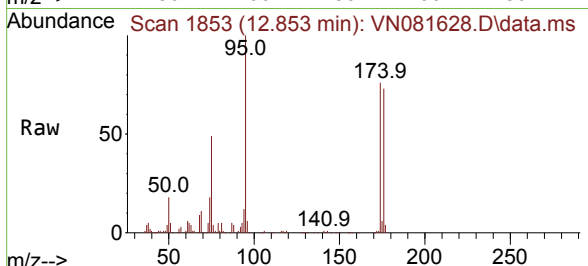




#62
 4-Bromofluorobenzene
 Concen: 48.246 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN081628.D
 Acq: 29 Mar 2024 20:16

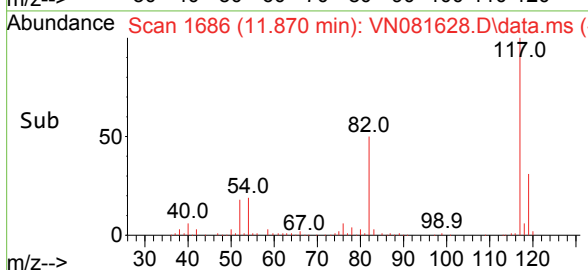
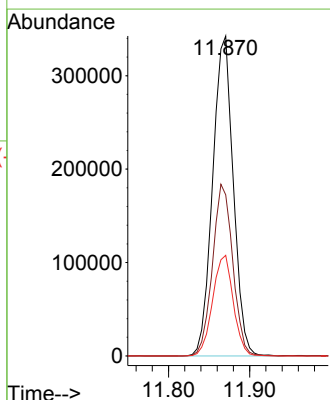
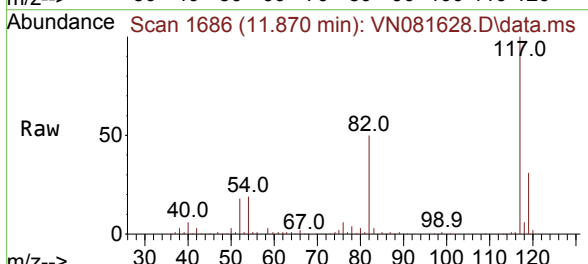
Instrument : MSVOA_N
 ClientSampleId : PB159859ZHE#06

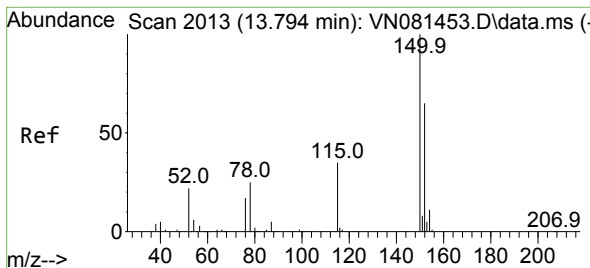
Tgt Ion:	95	Resp:	243399
Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	120.4
176	73.7	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN081628.D
 Acq: 29 Mar 2024 20:16

Tgt Ion:	117	Resp:	604806
Ion	Ratio	Lower	Upper
117	100		
82	50.4	52.7	79.1#
119	31.5	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081628.D

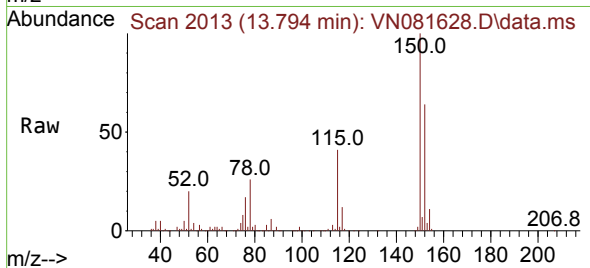
Acq: 29 Mar 2024 20:16

Instrument :

MSVOA_N

ClientSampleId :

PB159859ZHE#06



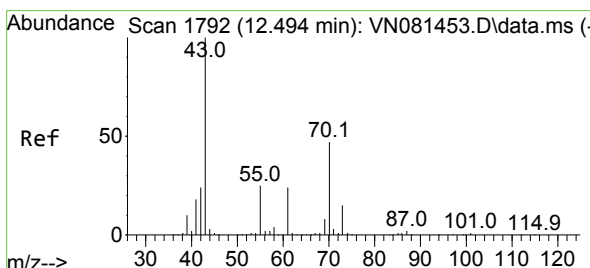
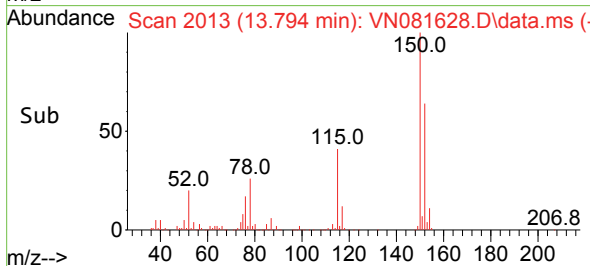
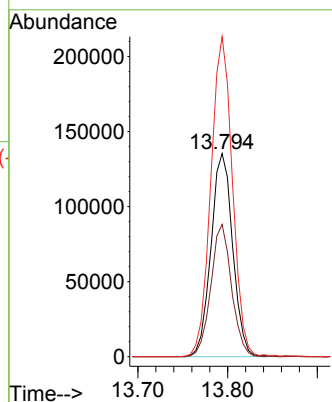
Tgt Ion:152 Resp: 227146

Ion Ratio Lower Upper

152 100

115 62.1 32.3 96.8

150 156.9 0.0 339.8



#74

N-ethyl acetate

Concen: 0.372 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN081628.D

Acq: 29 Mar 2024 20:16

Tgt Ion: 43 Resp: 2608

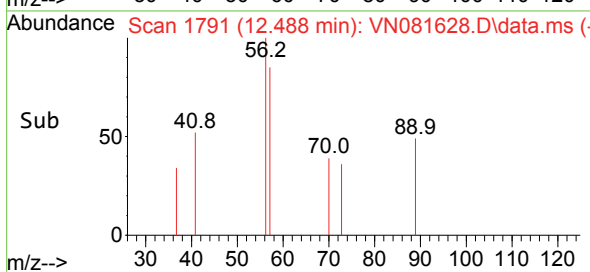
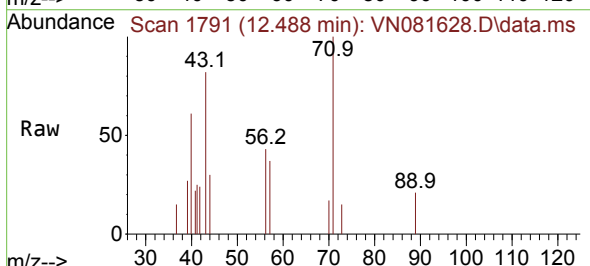
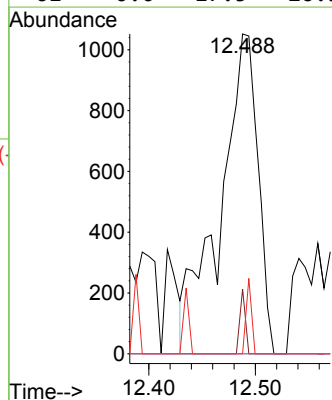
Ion Ratio Lower Upper

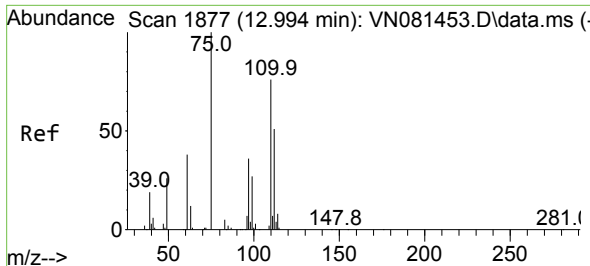
43 100

70 2.9 30.1 45.1#

55 3.3 17.0 25.4#

61 0.0 17.5 26.3#

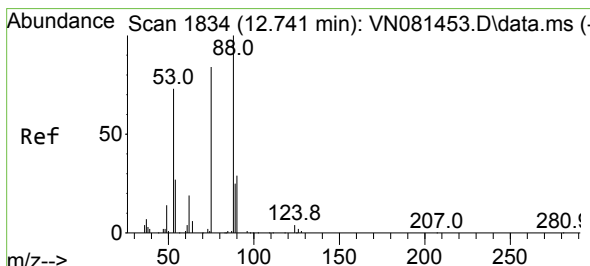
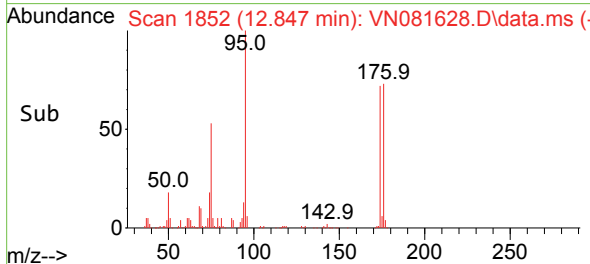
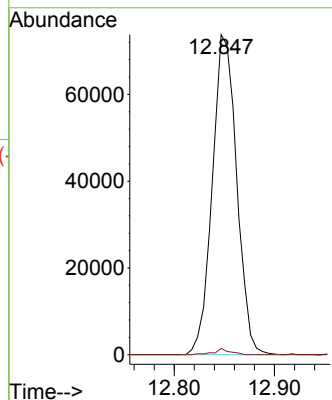
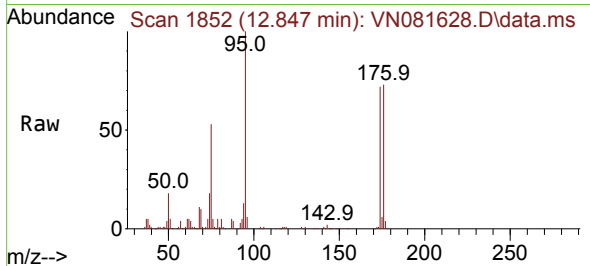




#76
1,2,3-Trichloropropane
Concen: 22.935 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#06

Tgt Ion: 75 Resp: 124615
Ion Ratio Lower Upper
75 100
77 1.2 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.977 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081628.D
Acq: 29 Mar 2024 20:16

Tgt Ion: 75 Resp: 124615
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.2 33.4 50.0#

