

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032224\
 Data File : VN081543.D
 Acq On : 22 Mar 2024 13:15
 Operator : JC\MD
 Sample : P1798-09DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-9DL

Quant Time: Mar 23 00:13:13 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

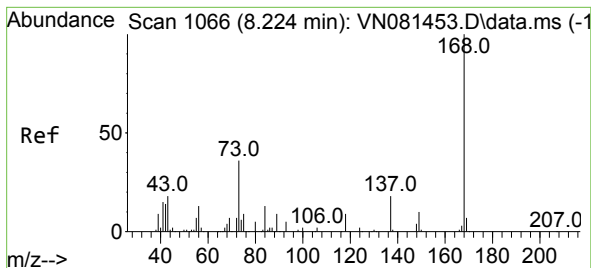
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	477013	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	817296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	720767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	292287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	293923	48.317	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.640%		
35) Dibromofluoromethane	8.165	113	248746	48.226	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.460%		
50) Toluene-d8	10.565	98	966743	51.849	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.700%		
62) 4-Bromofluorobenzene	12.847	95	312463	47.560	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	95.120%		
Target Compounds						
						Qvalue
13) Acrolein	4.171	56	210	0.221	ug/l	# 1
16) Acetone	4.442	43	4659	2.370	ug/l	95
25) 2-Butanone	7.494	43	1483	0.440	ug/l	# 51
31) Cyclohexane	8.224	56	11968	1.209	ug/l	# 1
36) 1,1-Dichloropropene	8.218	75	38350	4.418	ug/l	# 51
38) Carbon Tetrachloride	8.224	117	51032	5.367	ug/l	# 18
40) Benzene	8.606	78	1246793	49.130	ug/l	94
43) Isopropyl Acetate	8.677	43	5031	0.408	ug/l	# 90
52) Toluene	10.629	92	425472	26.378	ug/l	99
53) t-1,3-Dichloropropene	10.623	75	4660	0.473	ug/l	# 1
55) 1,1,2-Trichloroethane	10.888	97	4146	0.639	ug/l	# 16
56) Ethyl methacrylate	10.882	69	306	0.605	ug/l	# 20
59) 2-Hexanone	11.200	43	1574	0.283	ug/l	97
67) Ethyl Benzene	11.965	91	34515	1.166	ug/l	99
68) m/p-Xylenes	12.070	106	67163	6.053	ug/l	93
69) o-Xylene	12.394	106	40158	3.687	ug/l	98
70) Styrene	12.412	104	7258	0.413	ug/l	# 13
71) Bromoform	12.847	173	2168	0.457	ug/l	# 1
76) 1,2,3-Trichloropropane	12.847	75	162023	23.174	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.176	105	10533	0.512	ug/l	80
81) trans-1,4-Dichloro-2-b...	12.847	75	162023	62.623	ug/l	# 14
83) tert-Butylbenzene	13.482	119	4098	0.231	ug/l	# 64
84) 1,2,4-Trimethylbenzene	13.482	105	32827	1.587	ug/l	99
85) sec-Butylbenzene	13.482	105	32827	1.294	ug/l	# 60
95) Naphthalene	15.641	128	542795	26.618	ug/l	99

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

Quant Time: Mar 23 00:13:13 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

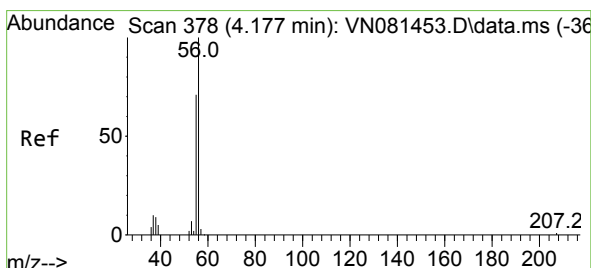
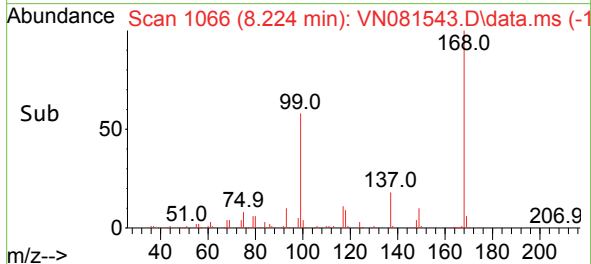
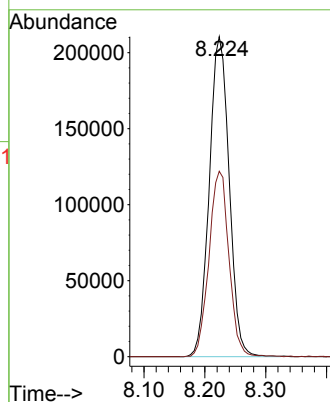
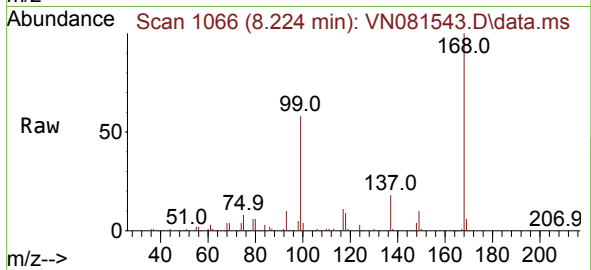




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

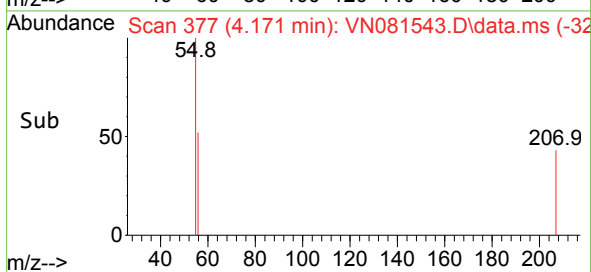
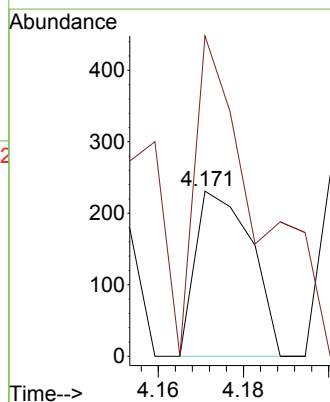
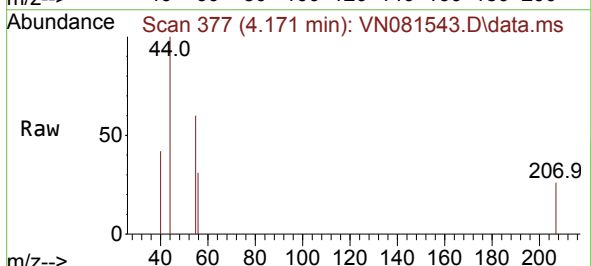
Instrument :
MSVOA_N
ClientSampleId :
S-9DL

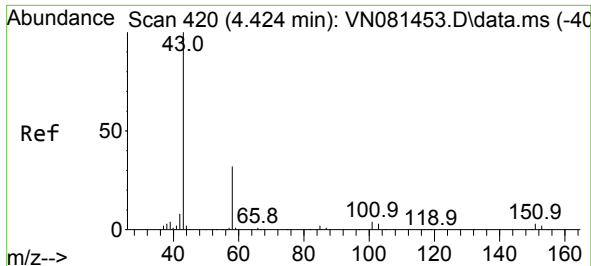
Tgt Ion:168 Resp: 477013
Ion Ratio Lower Upper
168 100
99 58.0 59.9 89.9#



#13
Acrolein
Concen: 0.221 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

Tgt Ion: 56 Resp: 210
Ion Ratio Lower Upper
56 100
55 220.0 55.3 82.9#

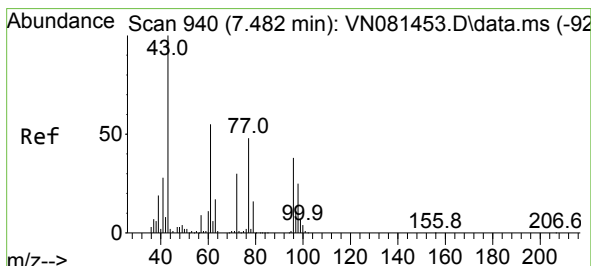
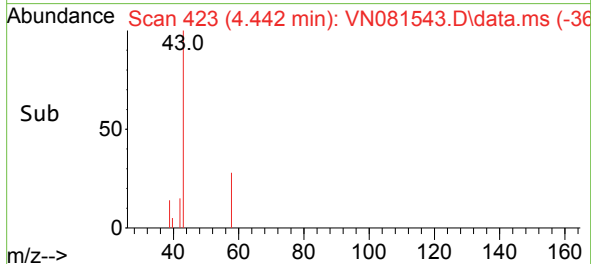
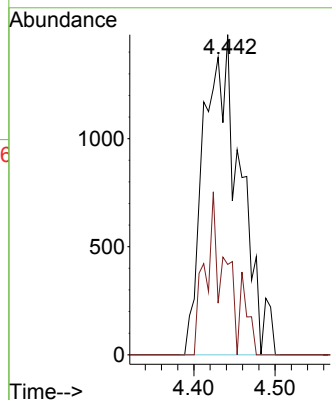
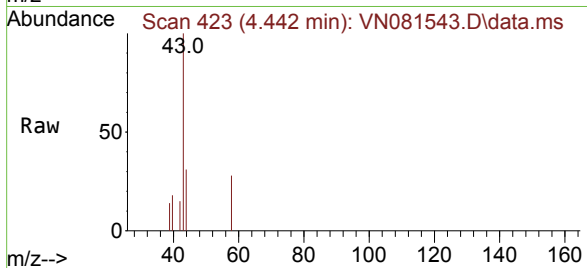




#16
Acetone
Concen: 2.370 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

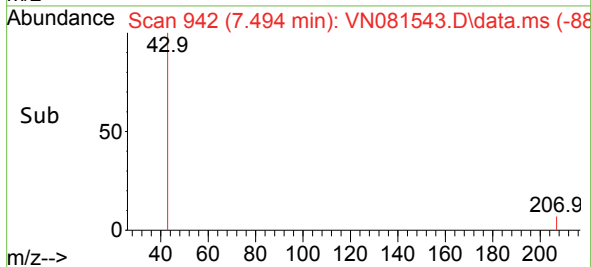
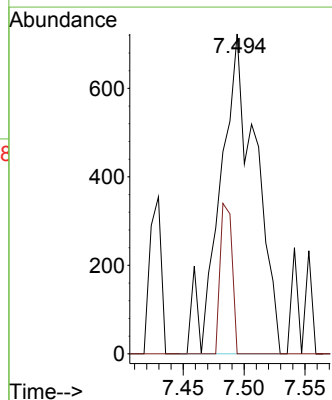
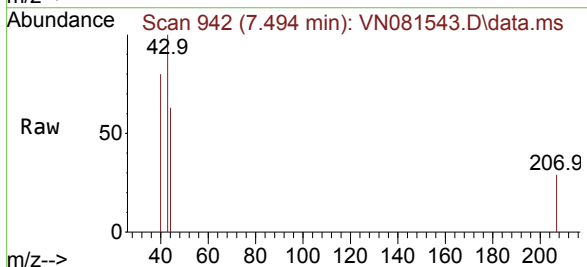
Instrument :
MSVOA_N
ClientSampleId :
S-9DL

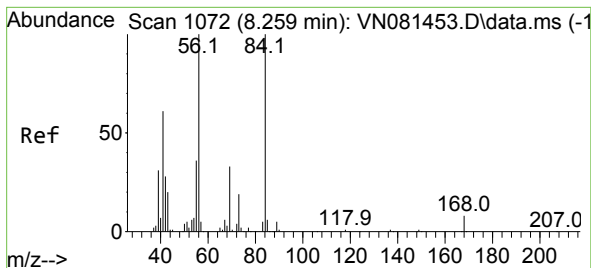
Tgt Ion: 43 Resp: 4659
Ion Ratio Lower Upper
43 100
58 28.2 24.8 37.2



#25
2-Butanone
Concen: 0.440 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

Tgt Ion: 43 Resp: 1483
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#





#31

Cyclohexane

Concen: 1.209 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081543.D

Acq: 22 Mar 2024 13:15

Instrument :

MSVOA_N

ClientSampleId :

S-9DL

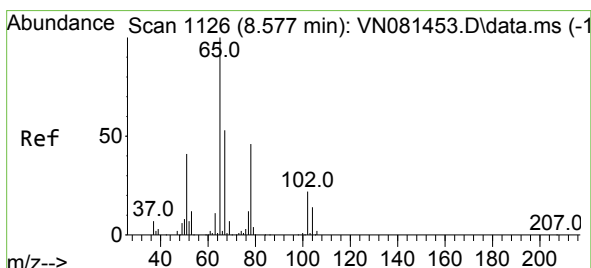
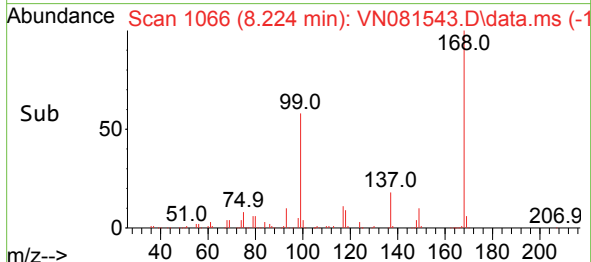
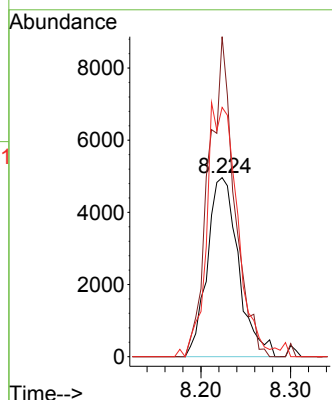
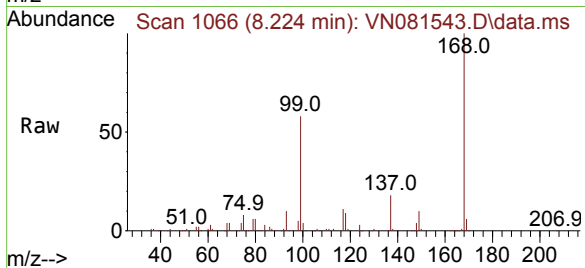
Tgt Ion: 56 Resp: 11968

Ion Ratio Lower Upper

56 100

69 178.8 20.1 30.1#

84 135.7 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 48.317 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081543.D

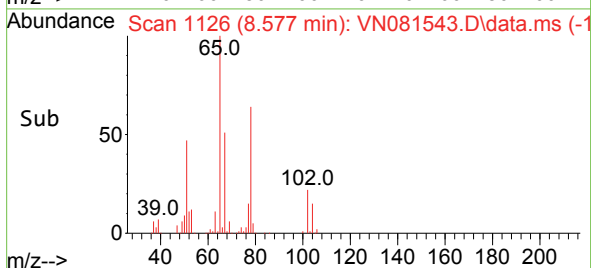
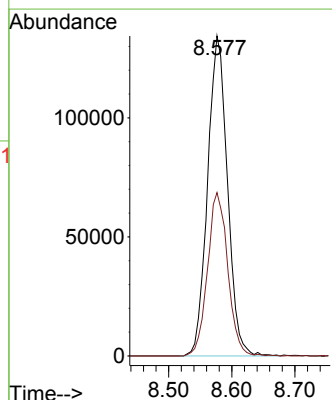
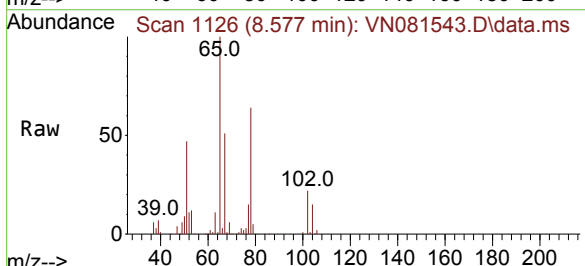
Acq: 22 Mar 2024 13:15

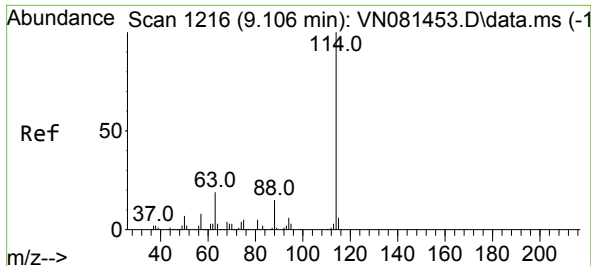
Tgt Ion: 65 Resp: 293923

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.006 min

Lab File: VN081543.D

Acq: 22 Mar 2024 13:15

Instrument :

MSVOA_N

ClientSampleId :

S-9DL

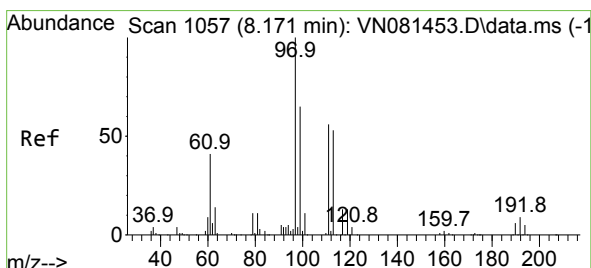
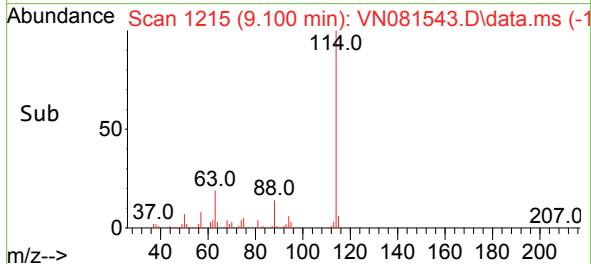
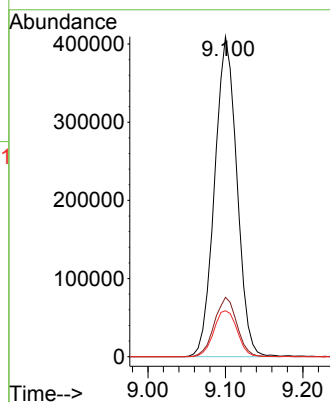
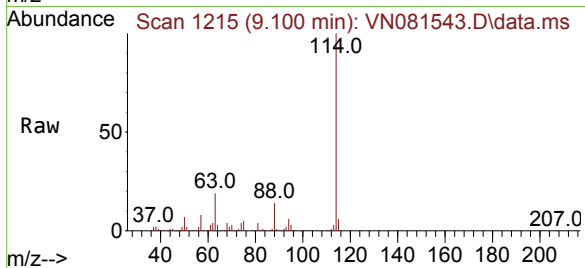
Tgt Ion:114 Resp: 817296

Ion Ratio Lower Upper

114 100

63 18.5 0.0 48.0

88 14.3 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.226 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081543.D

Acq: 22 Mar 2024 13:15

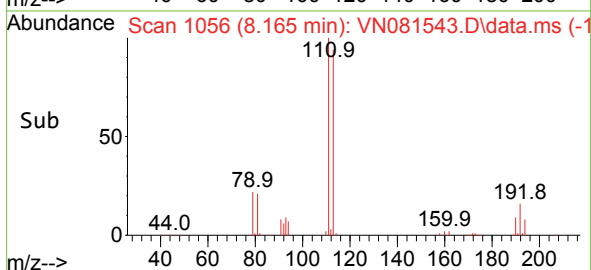
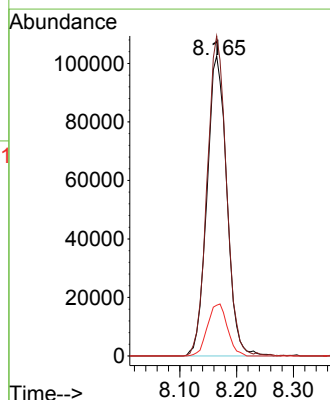
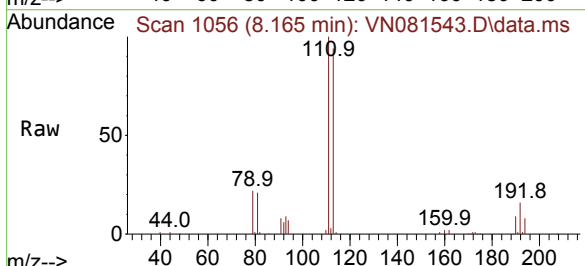
Tgt Ion:113 Resp: 248746

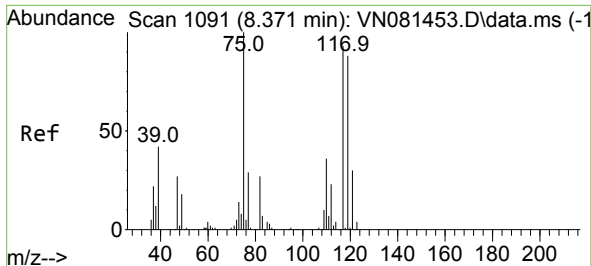
Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

192 17.4 12.5 18.7

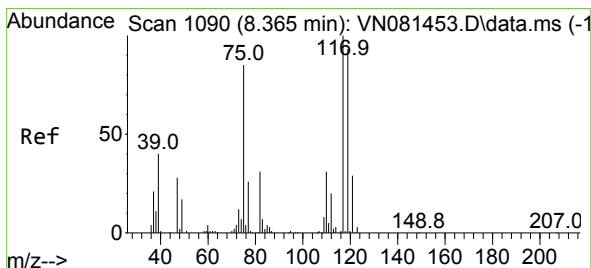
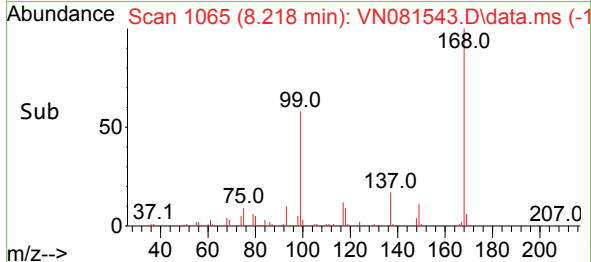
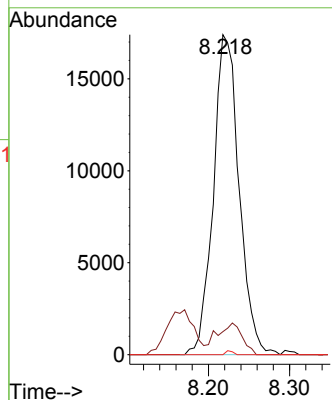
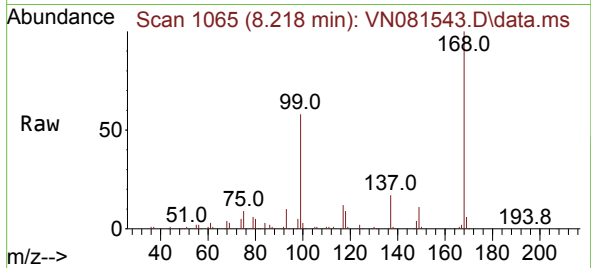




#36
1,1-Dichloropropene
Concen: 4.418 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

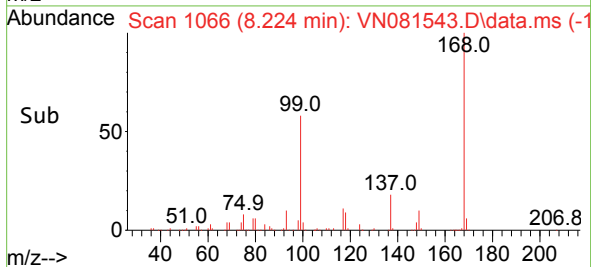
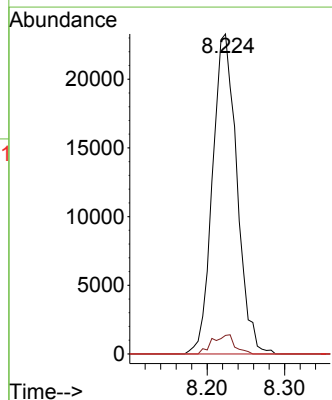
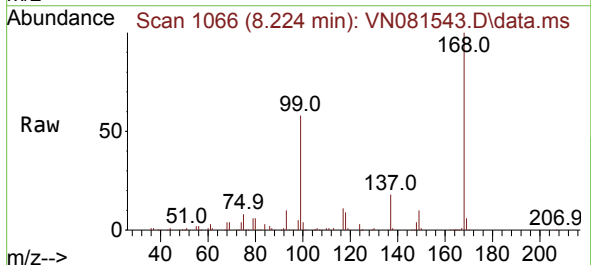
Instrument :
MSVOA_N
ClientSampleId :
S-9DL

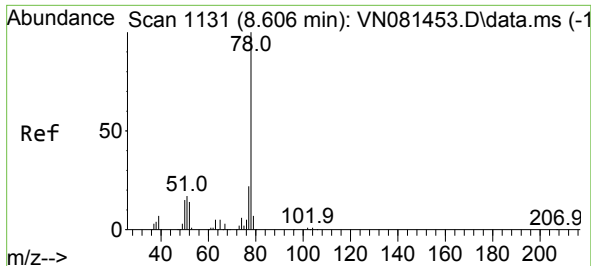
Tgt Ion: 75 Resp: 38350
Ion Ratio Lower Upper
75 100
110 9.8 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 5.367 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

Tgt Ion: 117 Resp: 51032
Ion Ratio Lower Upper
117 100
119 5.8 73.4 110.2#
121 0.0 24.4 36.6#

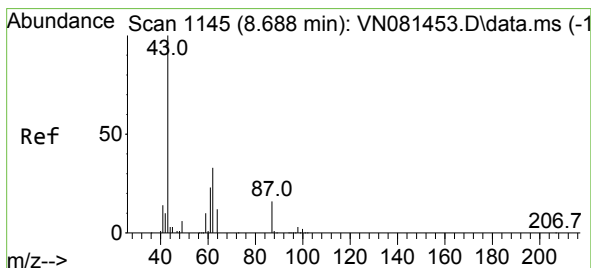
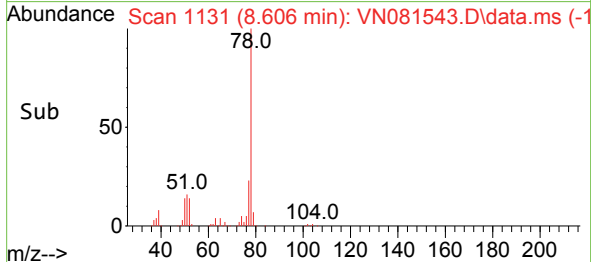
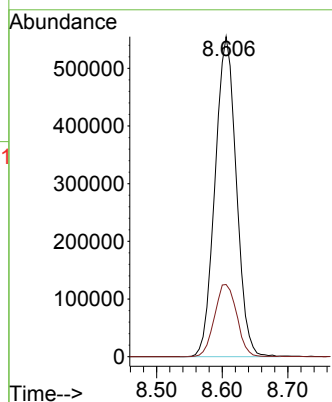
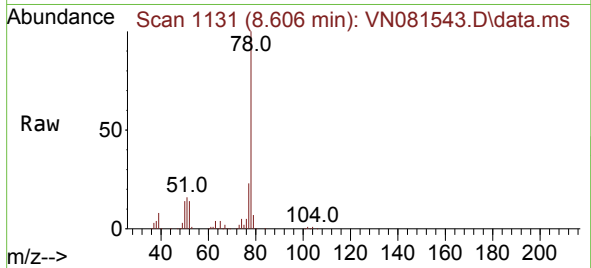




#40
Benzene
Concen: 49.130 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

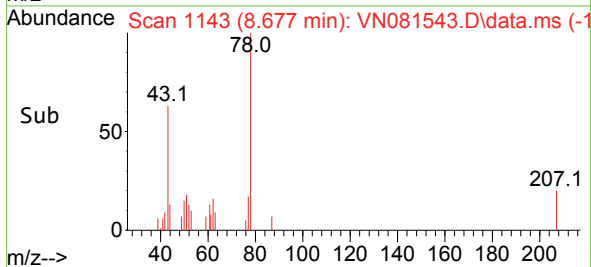
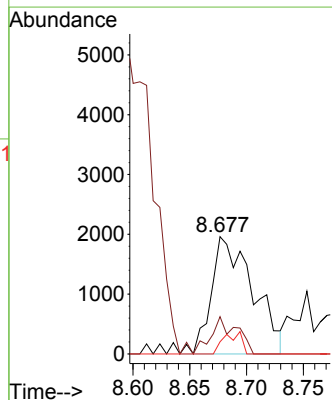
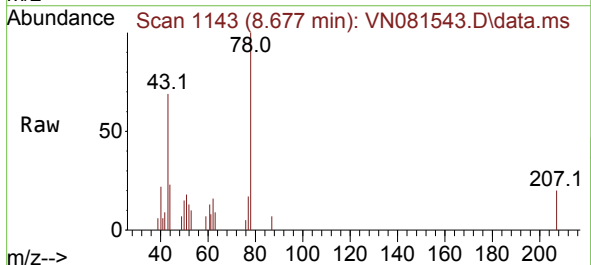
Instrument :
MSVOA_N
ClientSampleId :
S-9DL

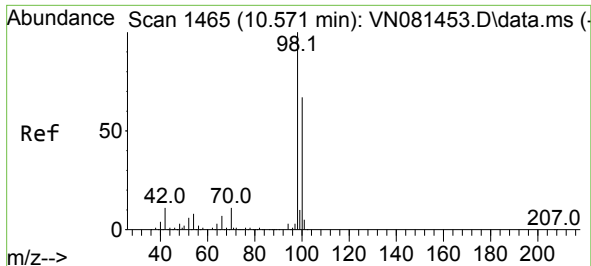
Tgt Ion: 78 Resp: 1246793
Ion Ratio Lower Upper
78 100
77 22.5 20.4 30.6



#43
Isopropyl Acetate
Concen: 0.408 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

Tgt Ion: 43 Resp: 5031
Ion Ratio Lower Upper
43 100
61 19.5 19.9 29.9#
87 7.9 9.0 13.6#

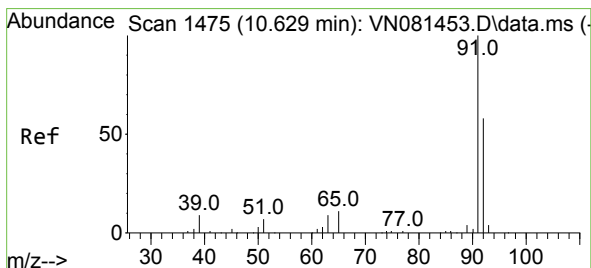
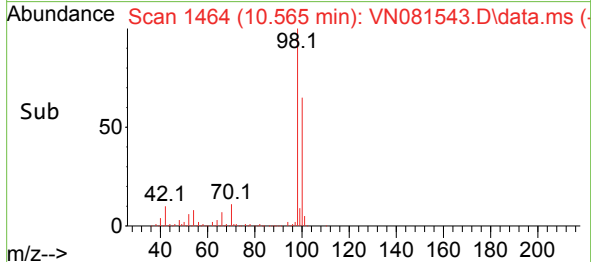
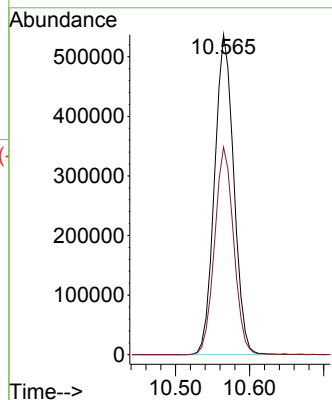
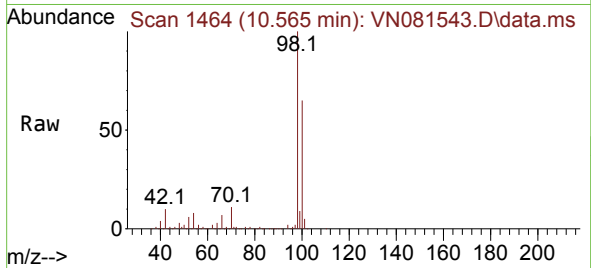




#50
Toluene-d8
Concen: 51.849 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

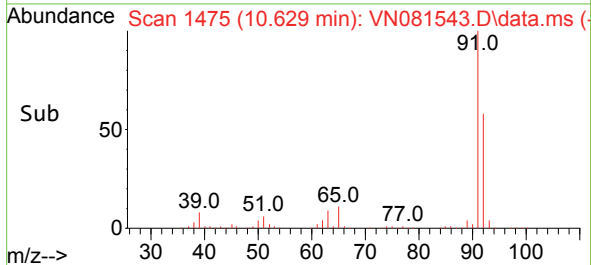
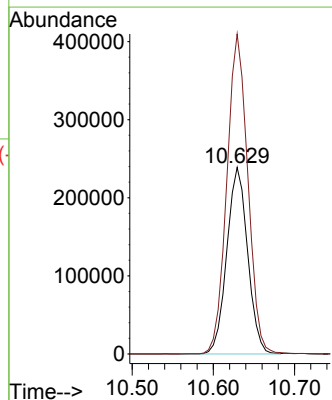
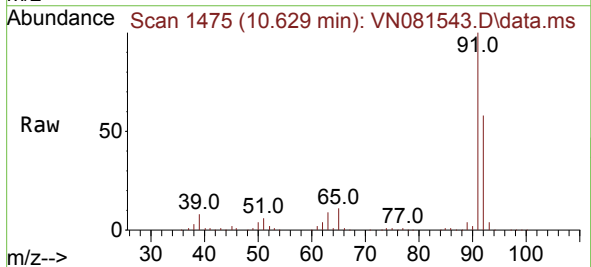
Instrument :
MSVOA_N
ClientSampleId :
S-9DL

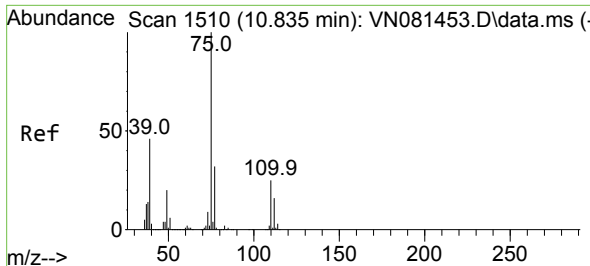
Tgt Ion: 98 Resp: 966743
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#52
Toluene
Concen: 26.378 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

Tgt Ion: 92 Resp: 425472
Ion Ratio Lower Upper
92 100
91 172.8 139.4 209.0

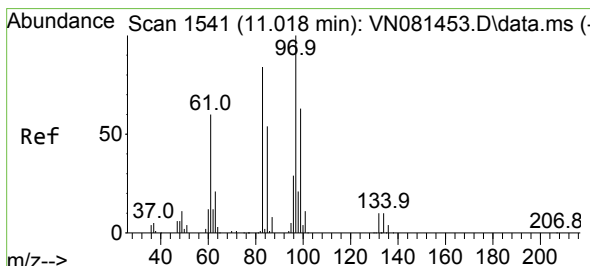
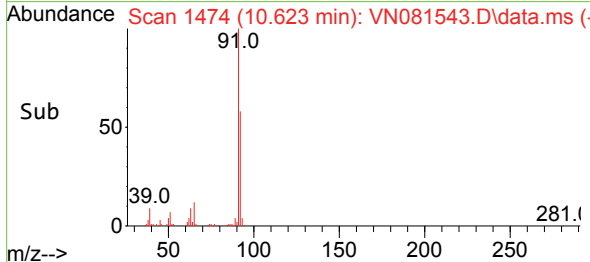
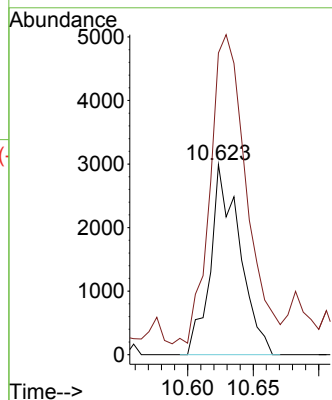
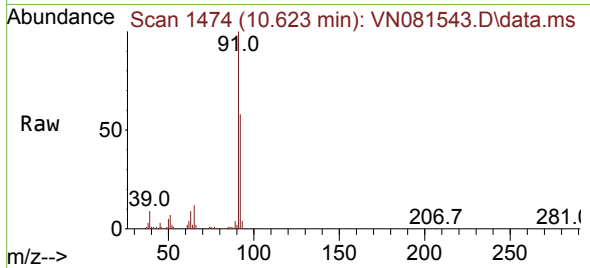




#53
t-1,3-Dichloropropene
Concen: 0.473 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.212 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

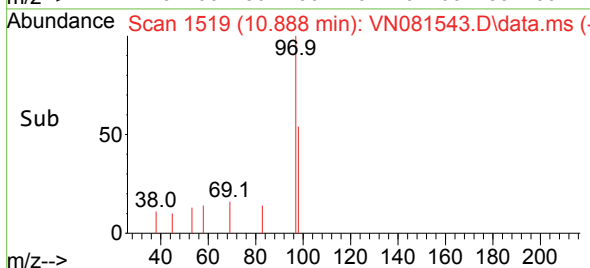
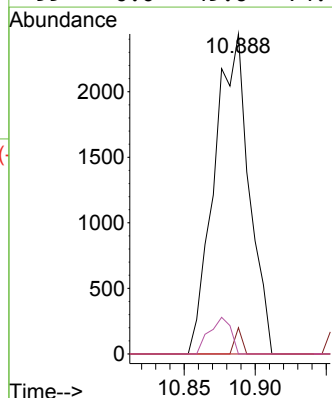
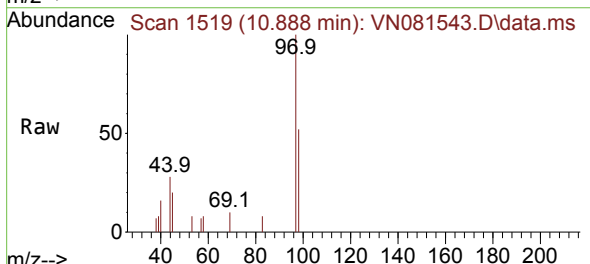
Instrument :
MSVOA_N
ClientSampleId :
S-9DL

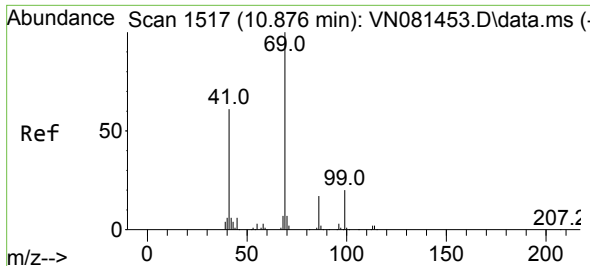
Tgt Ion: 75 Resp: 4660
Ion Ratio Lower Upper
75 100
77 150.2 25.5 38.3#



#55
1,1,2-Trichloroethane
Concen: 0.639 ug/l
RT: 10.888 min Scan# 1519
Delta R.T. -0.129 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

Tgt Ion: 97 Resp: 4146
Ion Ratio Lower Upper
97 100
83 8.2 72.9 109.3#
85 0.0 50.2 75.2#
99 0.0 49.6 74.4#

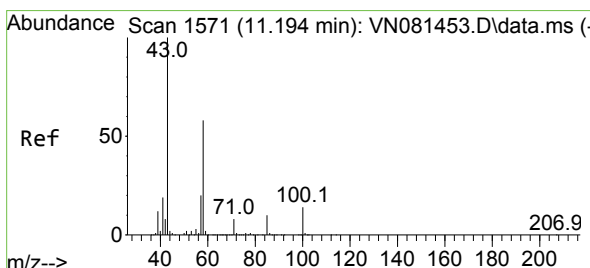
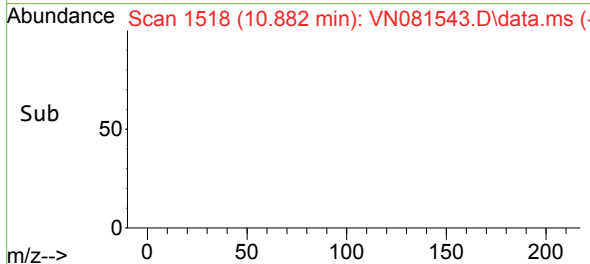
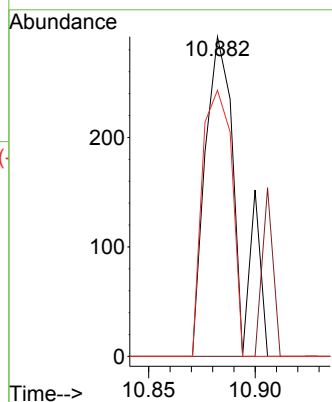
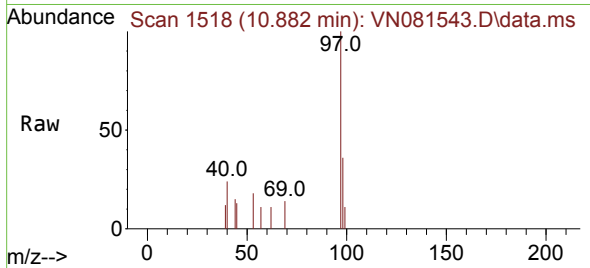




#56
Ethyl methacrylate
Concen: 0.605 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

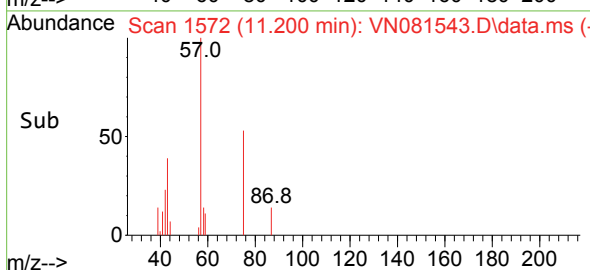
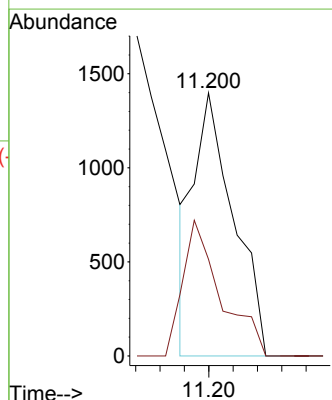
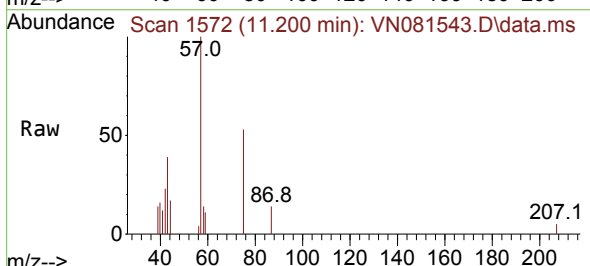
Instrument :
MSVOA_N
ClientSampleId :
S-9DL

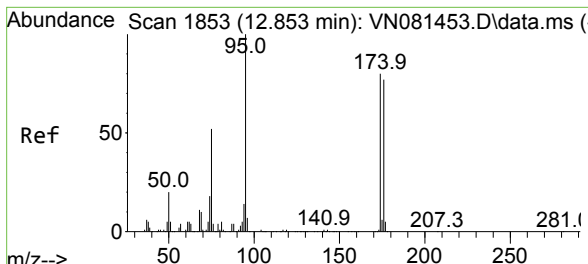
Tgt Ion:	69	Resp:	306
Ion	Ratio	Lower	Upper
69	100		
41	0.0	61.0	91.6#
39	0.0	31.8	47.6#



#59
2-Hexanone
Concen: 0.283 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

Tgt Ion:	43	Resp:	1574
Ion	Ratio	Lower	Upper
43	100		
58	49.9	25.9	77.8

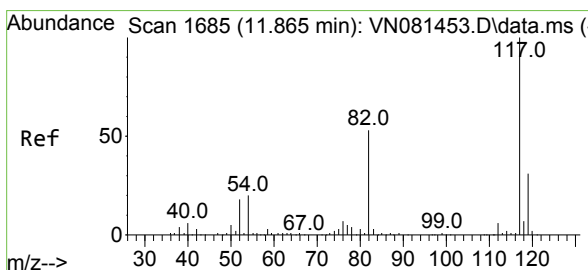
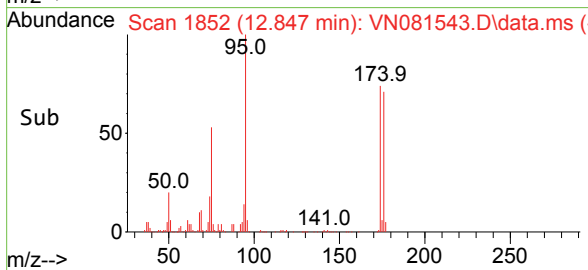
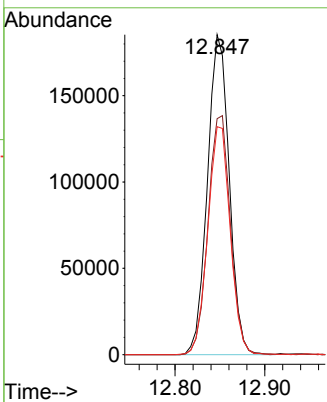
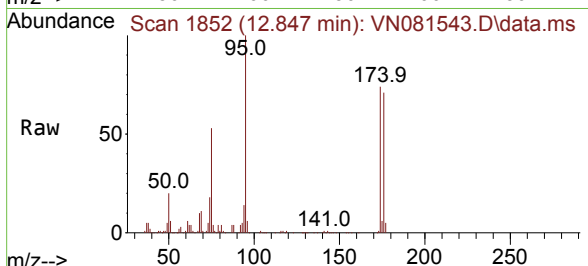




#62
4-Bromofluorobenzene
Concen: 47.560 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

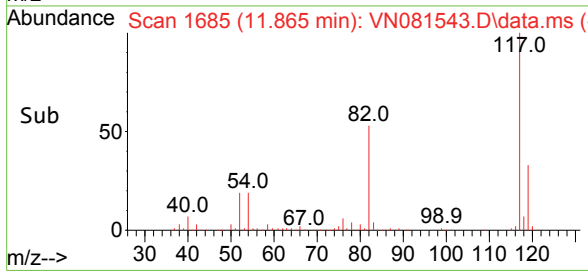
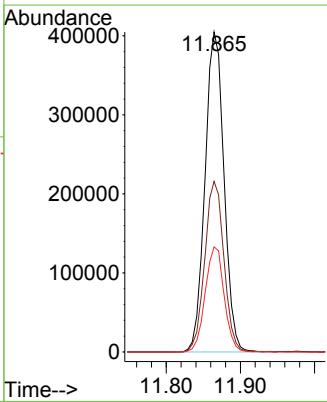
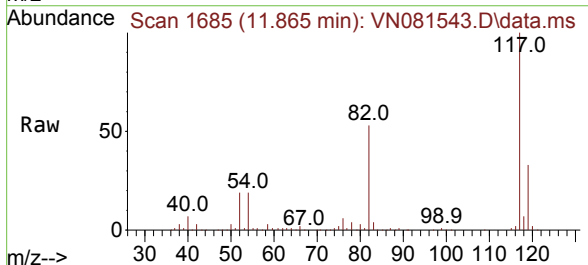
Instrument :
MSVOA_N
ClientSampleId :
S-9DL

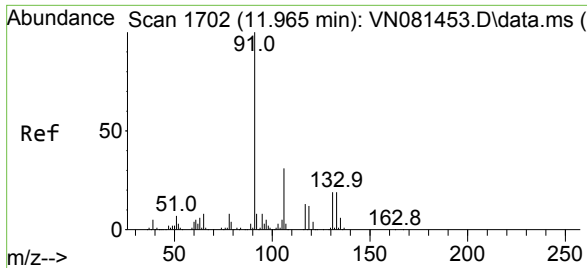
Tgt Ion:	95	Resp:	312463
Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	120.4
176	73.4	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

Tgt Ion:	117	Resp:	720767
Ion	Ratio	Lower	Upper
117	100		
82	53.3	52.7	79.1
119	32.9	25.3	37.9

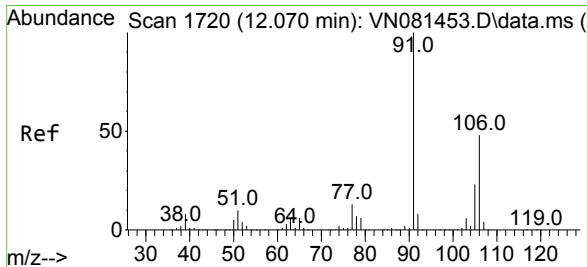
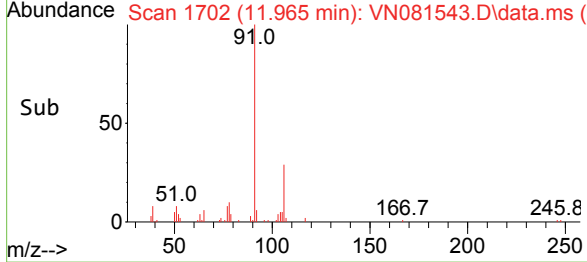
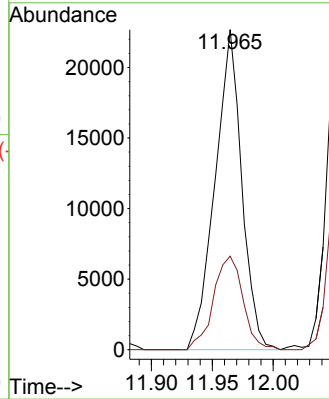
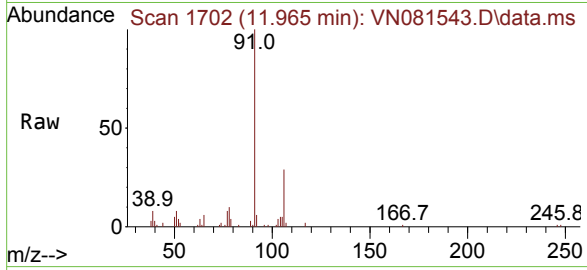




#67
Ethyl Benzene
Concen: 1.166 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

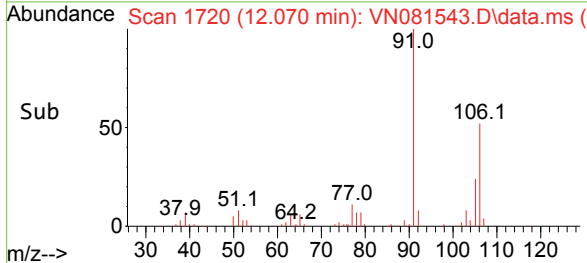
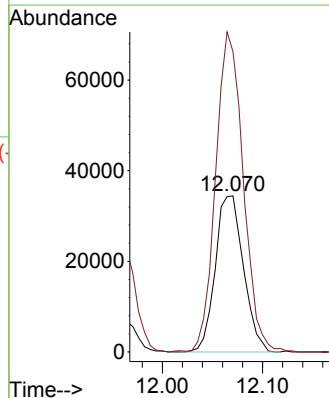
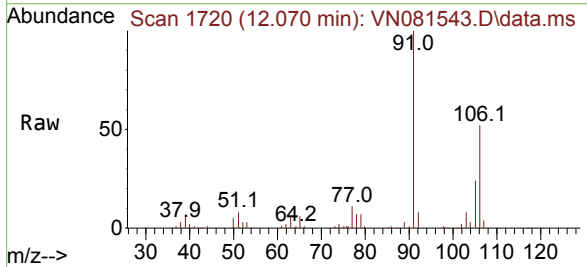
Instrument :
MSVOA_N
ClientSampleId :
S-9DL

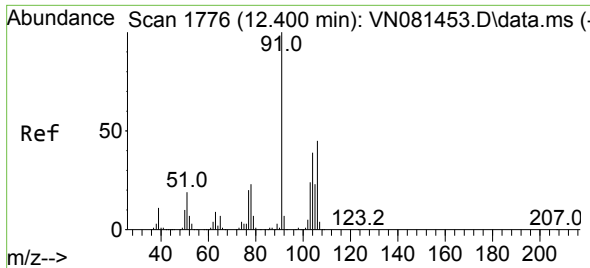
Tgt Ion: 91 Resp: 34515
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.6



#68
m/p-Xylenes
Concen: 6.053 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

Tgt Ion: 106 Resp: 67163
Ion Ratio Lower Upper
106 100
91 201.1 169.0 253.6

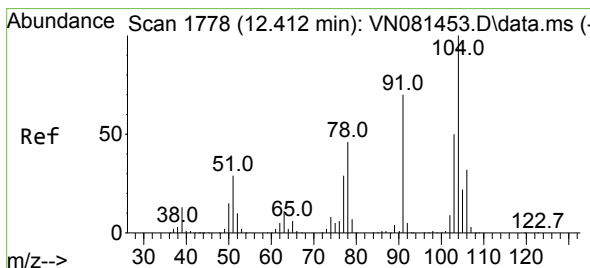
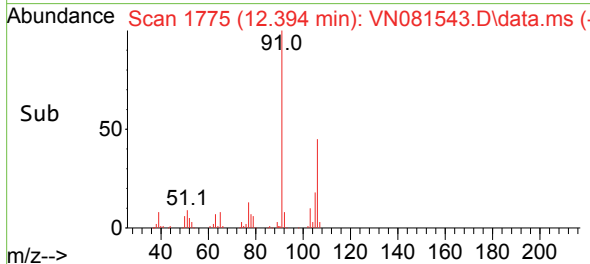
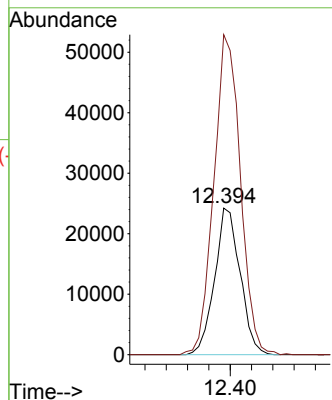
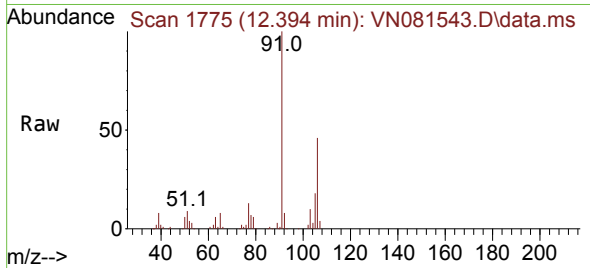




#69
o-Xylene
Concen: 3.687 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

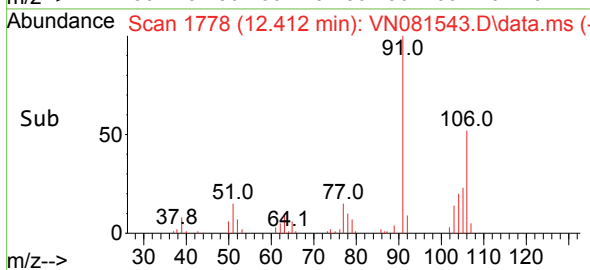
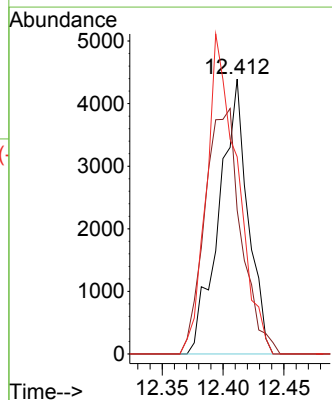
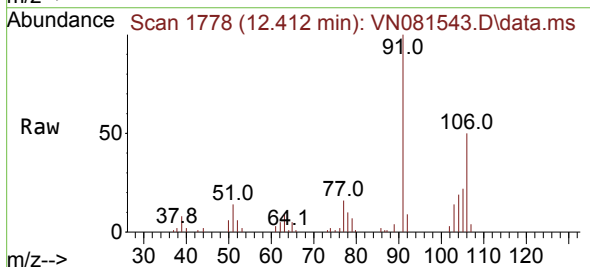
Instrument :
MSVOA_N
ClientSampleId :
S-9DL

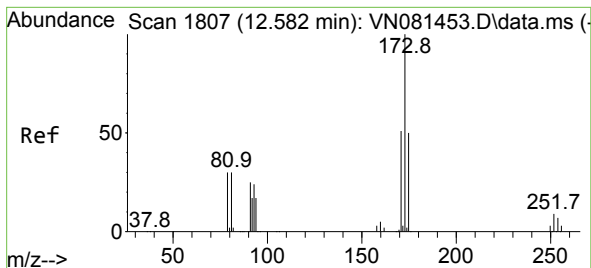
Tgt Ion:106 Resp: 40158
Ion Ratio Lower Upper
106 100
91 227.8 112.1 336.3



#70
Styrene
Concen: 0.413 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

Tgt Ion:104 Resp: 7258
Ion Ratio Lower Upper
104 100
78 111.5 43.8 65.8#
103 124.1 44.2 66.2#





#71

Bromoform

Concen: 0.457 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN081543.D

Acq: 22 Mar 2024 13:15

Instrument :

MSVOA_N

ClientSampleId :

S-9DL

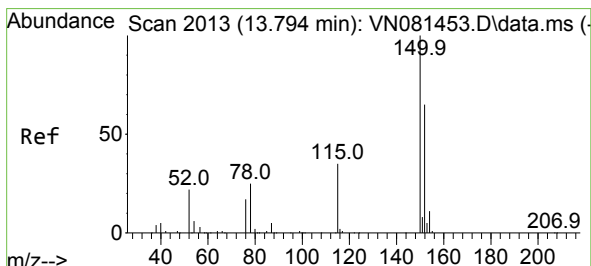
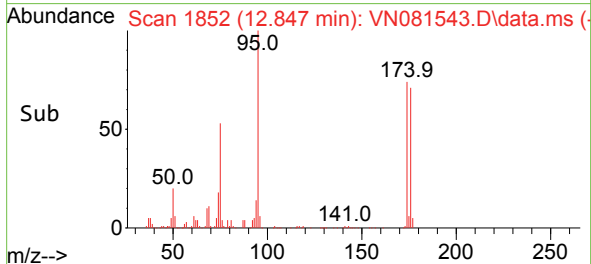
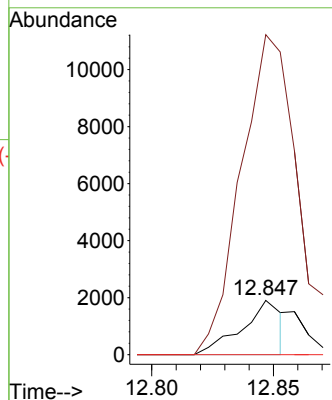
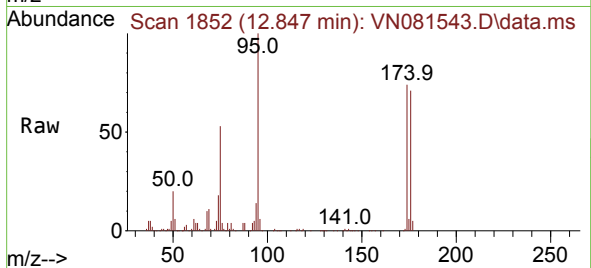
Tgt Ion:173 Resp: 2168

Ion Ratio Lower Upper

173 100

175 749.6 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# 2013

Delta R.T. 0.000 min

Lab File: VN081543.D

Acq: 22 Mar 2024 13:15

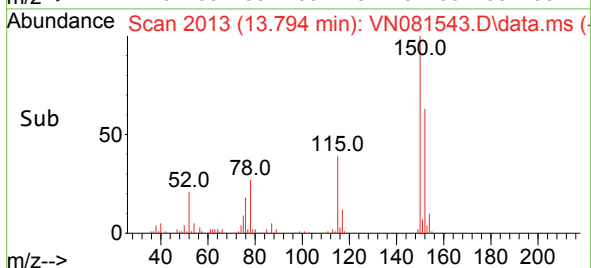
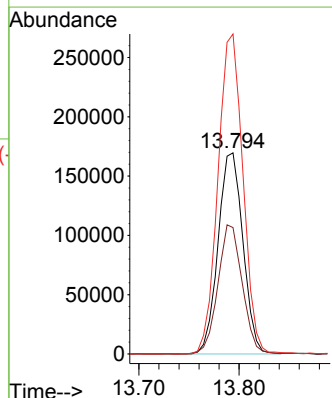
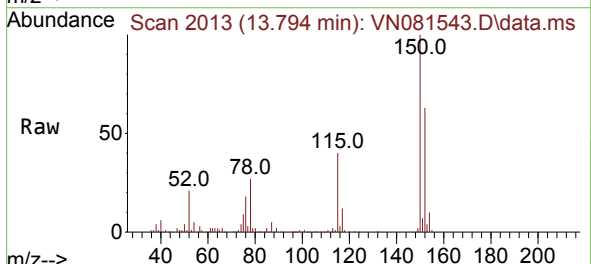
Tgt Ion:152 Resp: 292287

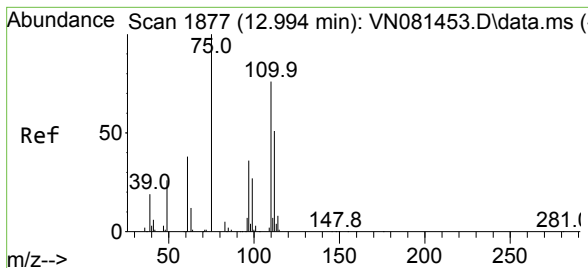
Ion Ratio Lower Upper

152 100

115 62.9 32.3 96.8

150 159.8 0.0 339.8

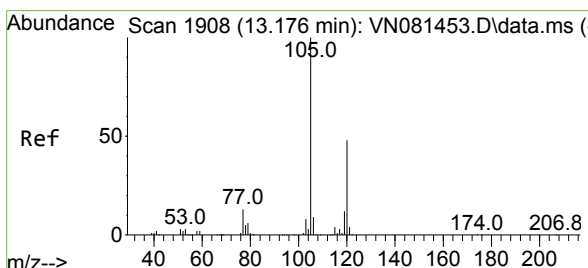
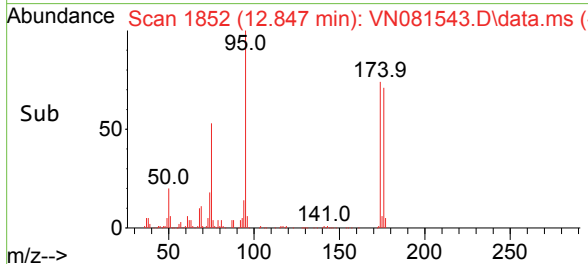
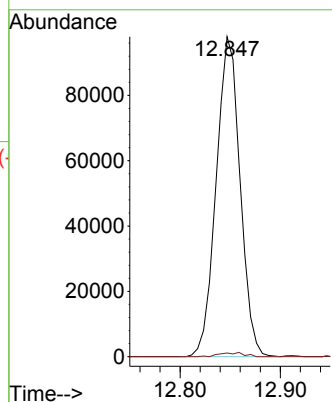
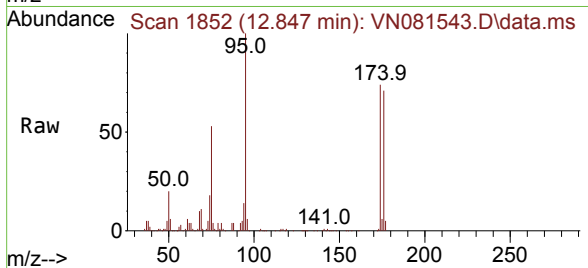




#76
 1,2,3-Trichloropropane
 Concen: 23.174 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN081543.D
 Acq: 22 Mar 2024 13:15

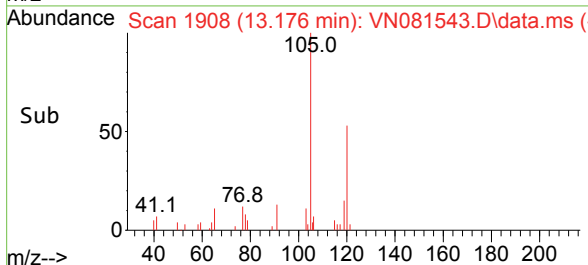
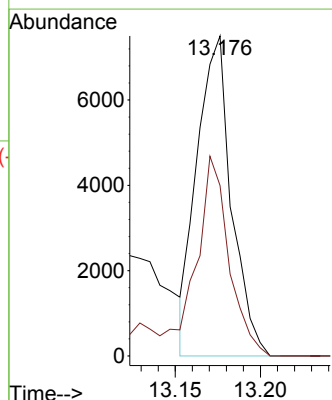
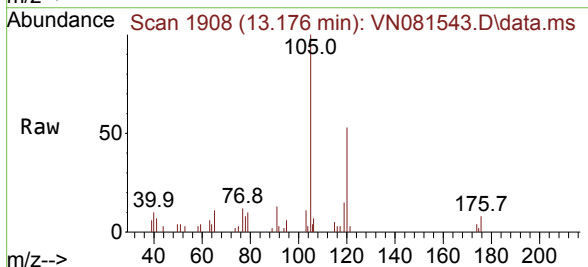
Instrument :
 MSVOA_N
 ClientSampleId :
 S-9DL

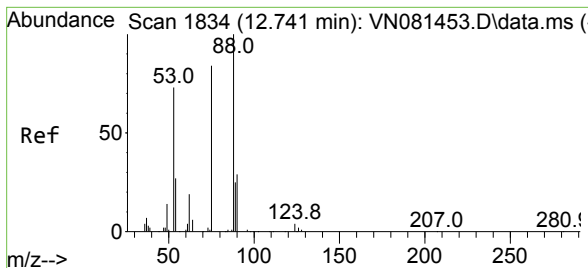
Tgt Ion: 75 Resp: 162023
 Ion Ratio Lower Upper
 75 100
 77 1.3 91.0 272.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.512 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN081543.D
 Acq: 22 Mar 2024 13:15

Tgt Ion: 105 Resp: 10533
 Ion Ratio Lower Upper
 105 100
 120 59.5 23.0 69.0

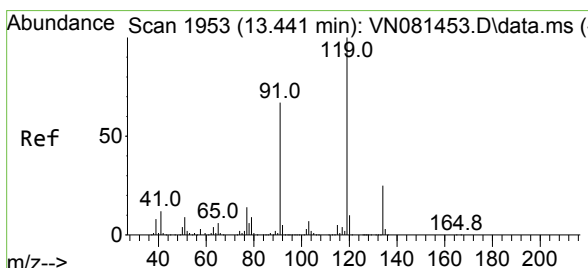
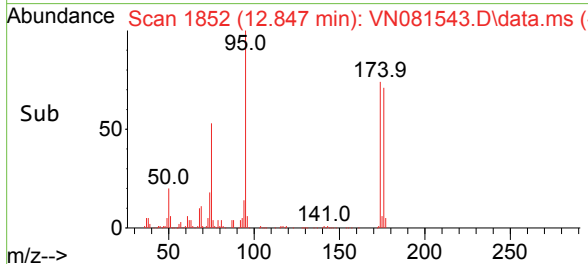
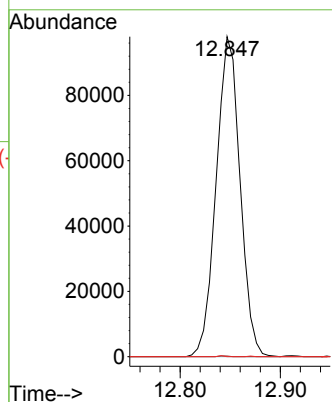
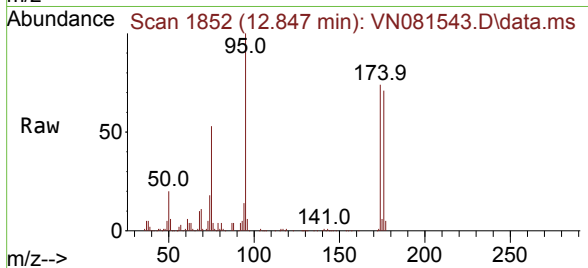




#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.623 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081543.D
 Acq: 22 Mar 2024 13:15

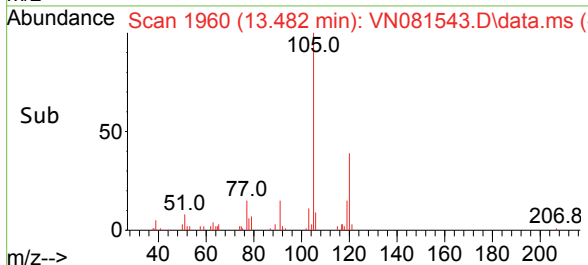
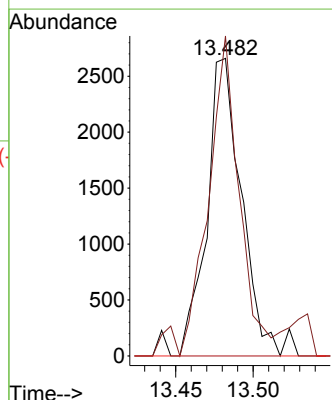
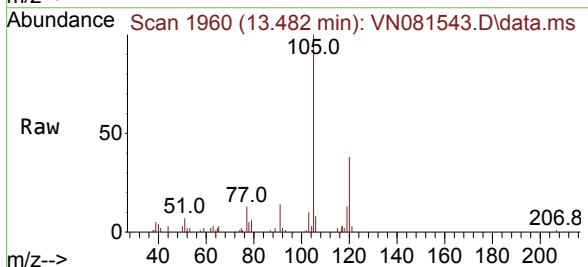
Instrument :
 MSVOA_N
 ClientSampleId :
 S-9DL

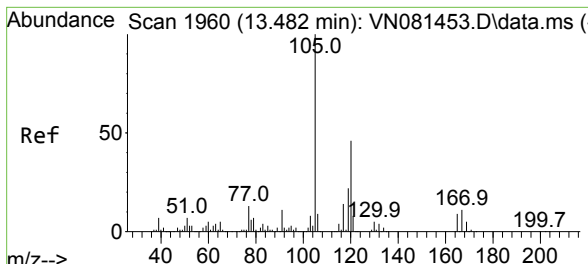
Tgt Ion: 75 Resp: 162023
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.1 33.4 50.0#



#83
 tert-Butylbenzene
 Concen: 0.231 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.041 min
 Lab File: VN081543.D
 Acq: 22 Mar 2024 13:15

Tgt Ion: 119 Resp: 4098
 Ion Ratio Lower Upper
 119 100
 91 99.6 36.8 110.4
 134 0.0 12.4 37.4#

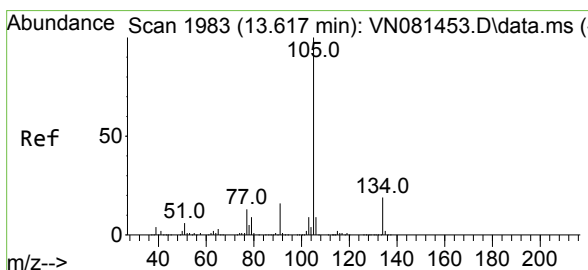
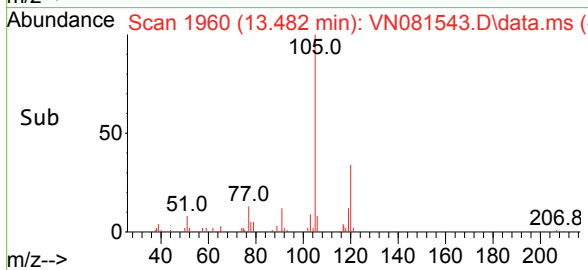
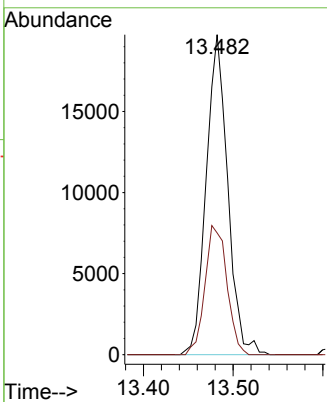
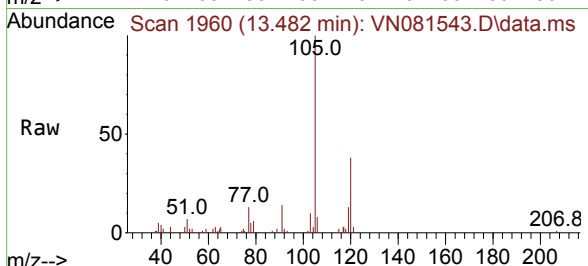




#84
 1,2,4-Trimethylbenzene
 Concen: 1.587 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN081543.D
 Acq: 22 Mar 2024 13:15

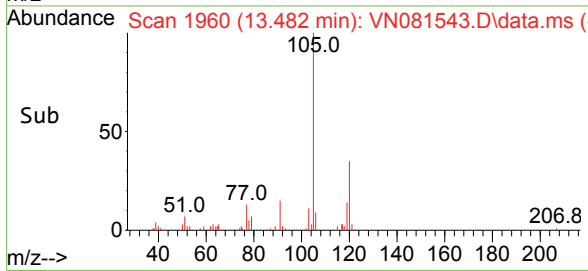
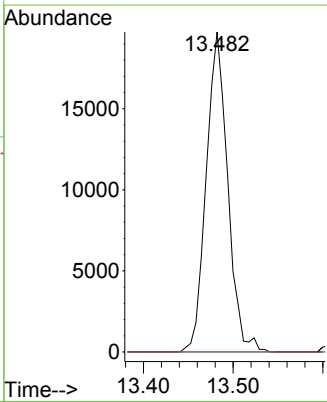
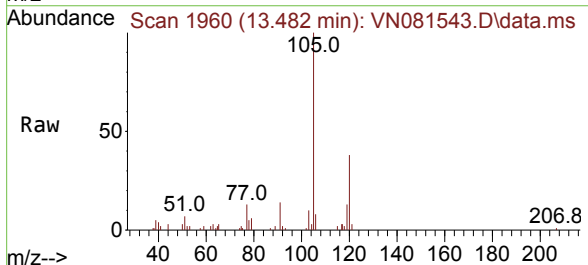
Instrument :
 MSVOA_N
 ClientSampleId :
 S-9DL

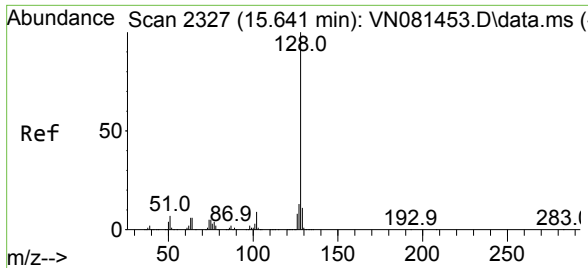
Tgt Ion:	105	Resp:	32827
Ion Ratio	Lower	Upper	
105	100		
120	41.2	20.9	62.7



#85
 sec-Butylbenzene
 Concen: 1.294 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.135 min
 Lab File: VN081543.D
 Acq: 22 Mar 2024 13:15

Tgt Ion:	105	Resp:	32827
Ion Ratio	Lower	Upper	
105	100		
134	0.0	8.6	25.8#





#95
Naphthalene
Concen: 26.618 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN081543.D
Acq: 22 Mar 2024 13:15

Instrument :
MSVOA_N
ClientSampleId :
S-9DL

Tgt Ion:128 Resp: 542795
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 10.9 8.7 13.1

