

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081620.D
 Acq On : 29 Mar 2024 17:05
 Operator : JC\MD
 Sample : P1921-06 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-21

Quant Time: Mar 30 00:32:01 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)

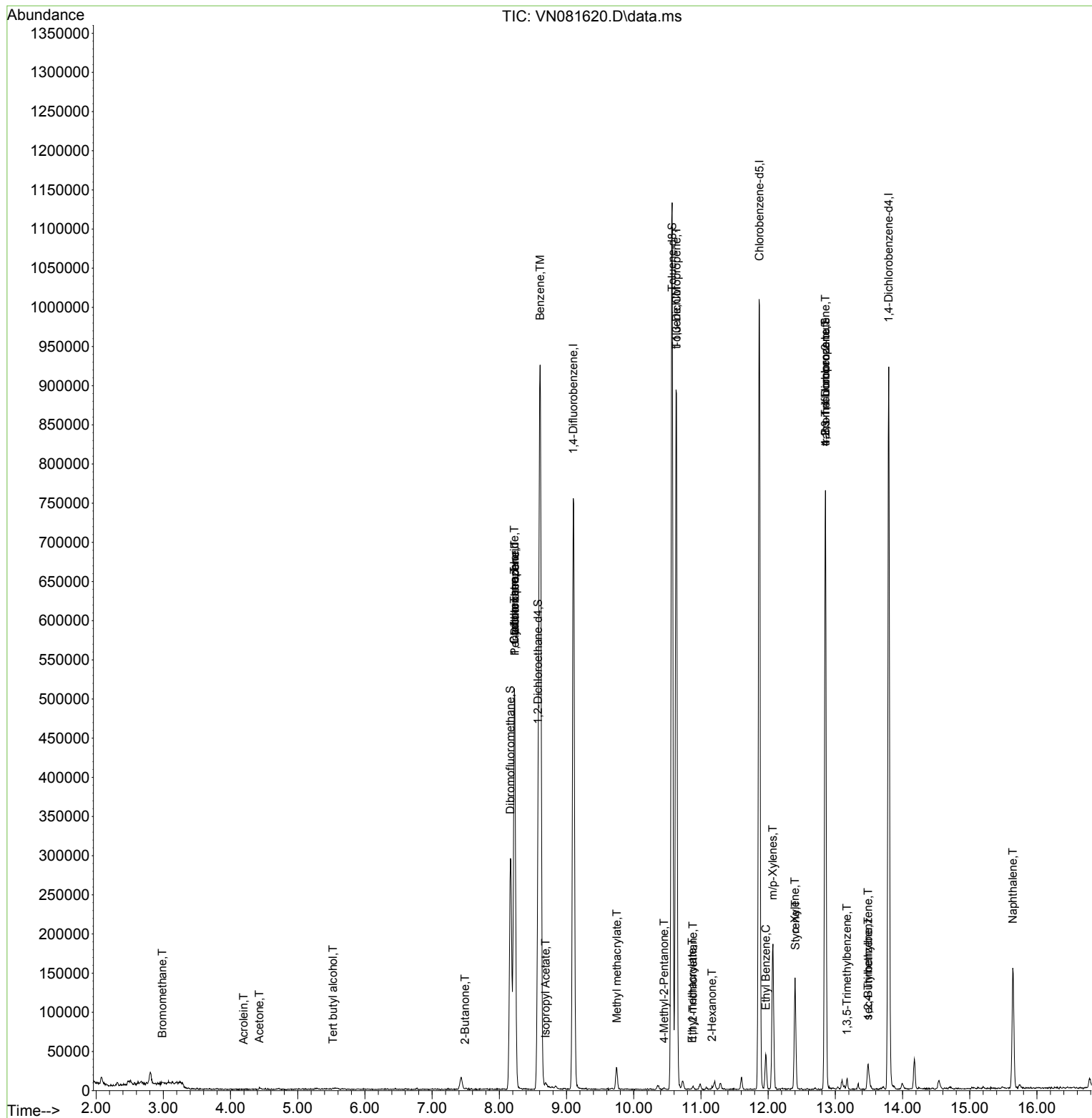
Internal Standards						
1) Pentafluorobenzene	8.230	168	362693	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	682325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	614538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	248189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	254625	55.050	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.100%			
35) Dibromofluoromethane	8.165	113	215684	50.087	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.180%			
50) Toluene-d8	10.571	98	798244	51.280	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.560%			
62) 4-Bromofluorobenzene	12.853	95	264667	48.253	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 96.500%			
Target Compounds						
						Qvalue
5) Bromomethane	2.983	94	983	0.255	ug/l	# 66
11) Tert butyl alcohol	5.524	59	1004	1.246	ug/l	# 72
13) Acrolein	4.195	56	215	0.297	ug/l	# 49
16) Acetone	4.430	43	2842	1.901	ug/l	# 71
25) 2-Butanone	7.489	43	524	0.204	ug/l	# 41
31) Cyclohexane	8.224	56	9361	1.244	ug/l	# 1
36) 1,1-Dichloropropene	8.230	75	32501	4.485	ug/l	# 50
38) Carbon Tetrachloride	8.224	117	40345	5.082	ug/l	# 18
40) Benzene	8.606	78	926880	43.749	ug/l	99
43) Isopropyl Acetate	8.689	43	5003	0.486	ug/l	93
48) Methyl methacrylate	9.747	41	2995	0.631	ug/l	# 46
51) 4-Methyl-2-Pentanone	10.453	43	1857	0.296	ug/l	# 66
52) Toluene	10.635	92	407963	30.296	ug/l	99
53) t-1,3-Dichloropropene	10.635	75	4885	0.593	ug/l	# 1
55) 1,1,2-Trichloroethane	10.883	97	2961	0.546	ug/l	# 13
56) Ethyl methacrylate	10.871	69	87	0.582	ug/l	# 20
59) 2-Hexanone	11.165	43	2437	0.525	ug/l	# 26
67) Ethyl Benzene	11.965	91	30003	1.189	ug/l	96
68) m/p-Xylenes	12.071	106	58895	6.225	ug/l	91
69) o-Xylene	12.400	106	37159	4.001	ug/l	95
70) Styrene	12.406	104	7072	0.472	ug/l	# 18
76) 1,2,3-Trichloropropane	12.853	75	138224	23.283	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.171	105	5180	0.296	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.853	75	138224	62.917	ug/l	# 14
84) 1,2,4-Trimethylbenzene	13.488	105	19293	1.099	ug/l	93
85) sec-Butylbenzene	13.488	105	19293	0.896	ug/l	# 60
95) Naphthalene	15.641	128	140589	8.119	ug/l	97

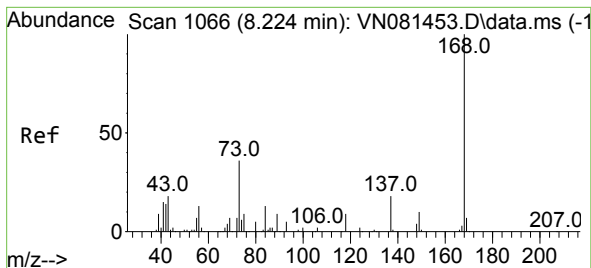
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
Data File : VN081620.D
Acq On : 29 Mar 2024 17:05
Operator : JC\MD
Sample : P1921-06 50X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
S-21

Quant Time: Mar 30 00:32:01 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: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081620.D

Acq: 29 Mar 2024 17:05

Instrument :

MSVOA_N

ClientSampleId :

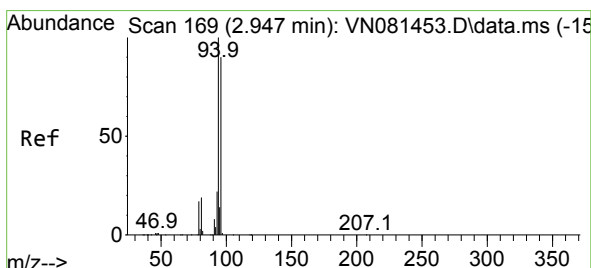
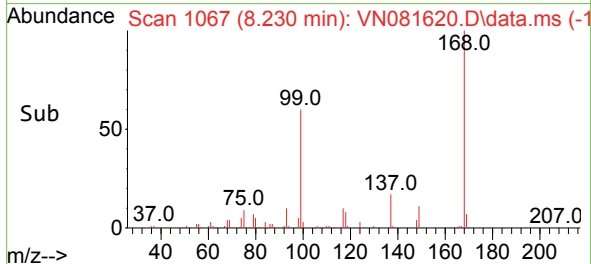
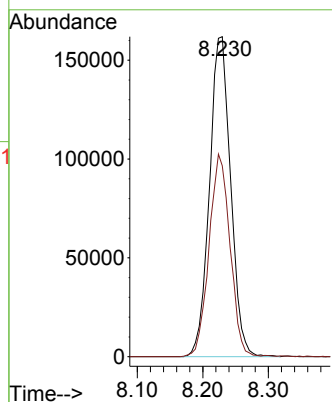
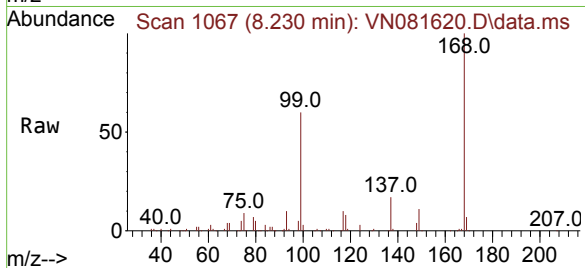
S-21

Tgt Ion:168 Resp: 362693

Ion Ratio Lower Upper

168 100

99 59.6 59.9 89.9#



#5

Bromomethane

Concen: 0.255 ug/l

RT: 2.983 min Scan# 175

Delta R.T. 0.036 min

Lab File: VN081620.D

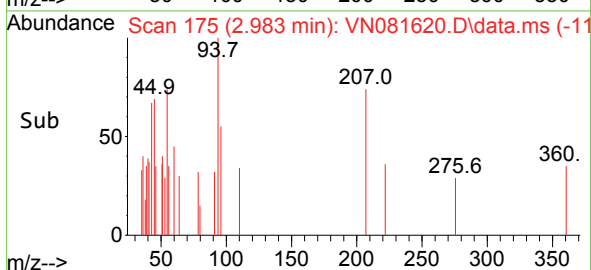
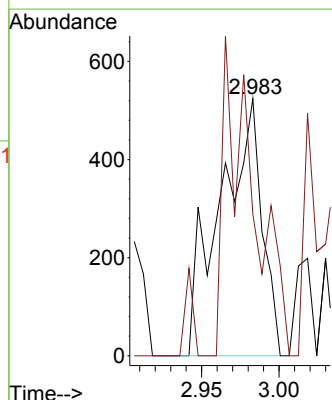
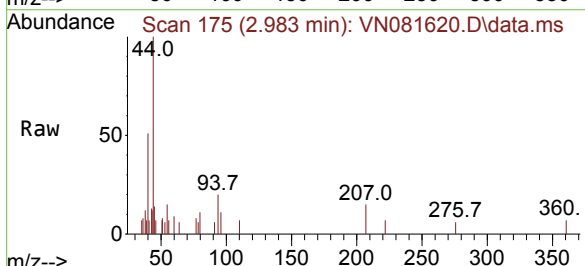
Acq: 29 Mar 2024 17:05

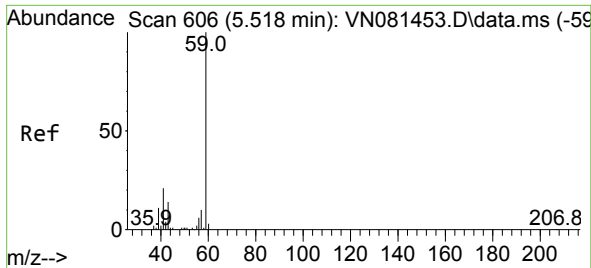
Tgt Ion: 94 Resp: 983

Ion Ratio Lower Upper

94 100

96 55.2 69.2 103.8#

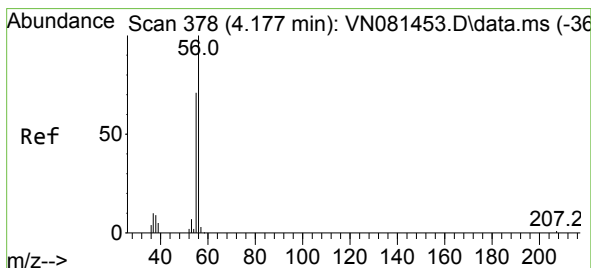
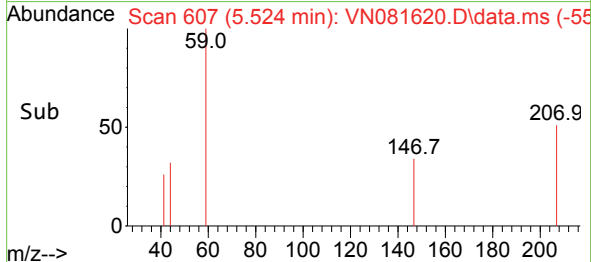
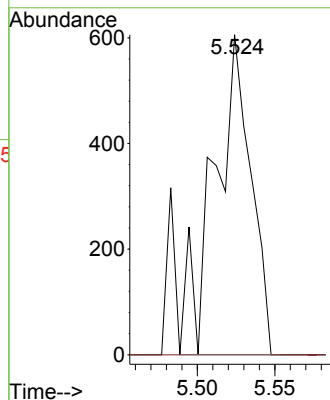
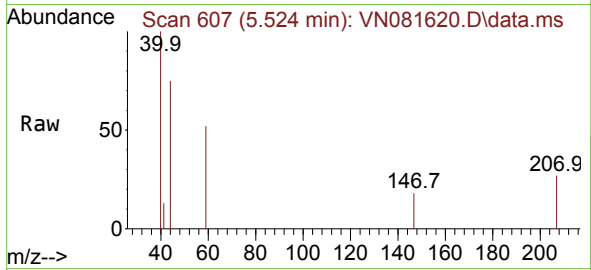




#11
Tert butyl alcohol
Concen: 1.246 ug/l
RT: 5.524 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

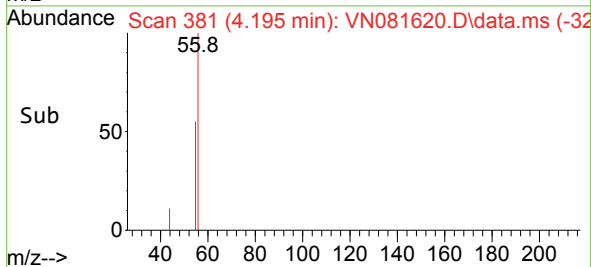
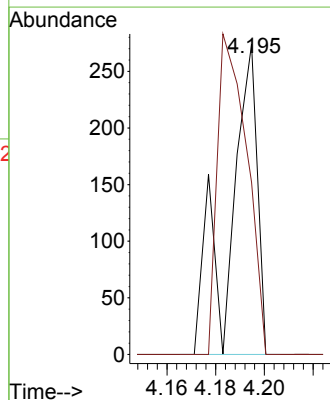
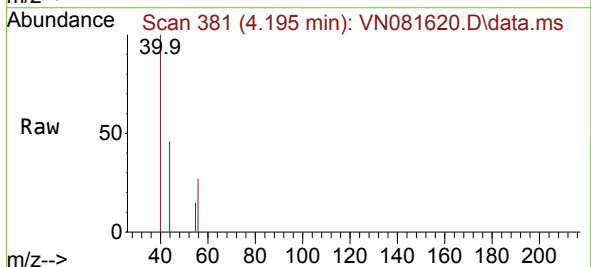
Instrument :
MSVOA_N
ClientSampleId :
S-21

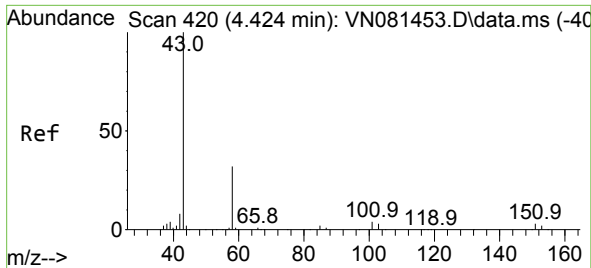
Tgt Ion: 59 Resp: 1004
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.297 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

Tgt Ion: 56 Resp: 215
Ion Ratio Lower Upper
56 100
55 110.7 55.3 82.9#

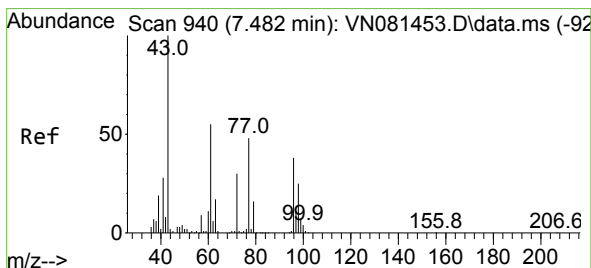
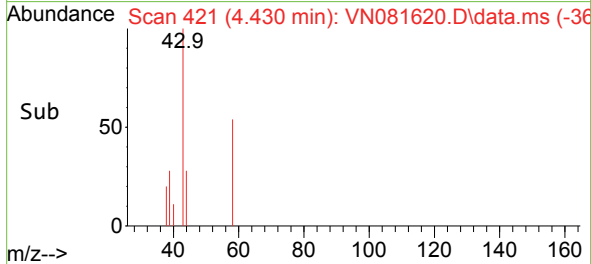
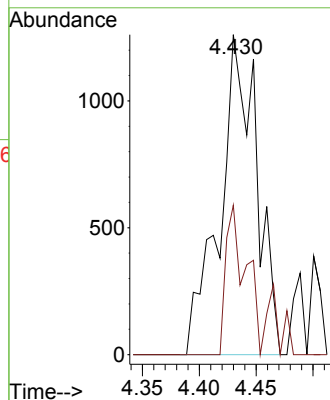
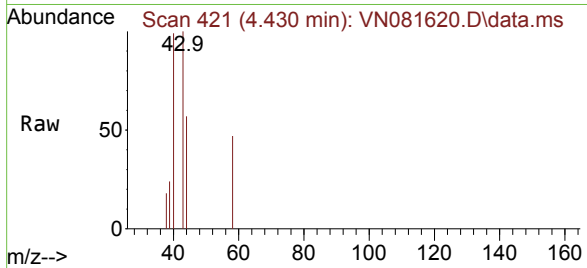




#16
Acetone
Concen: 1.901 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

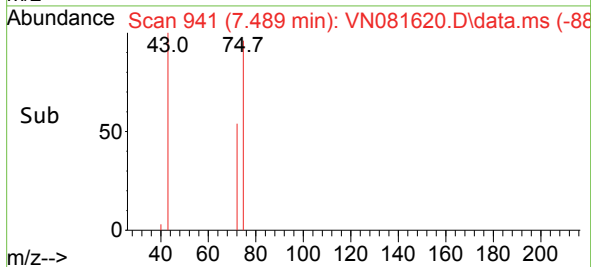
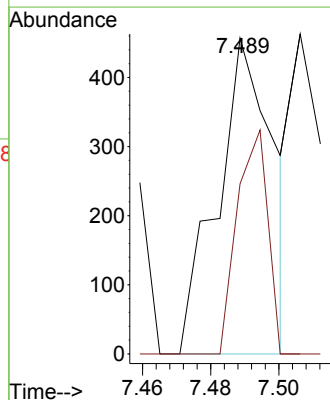
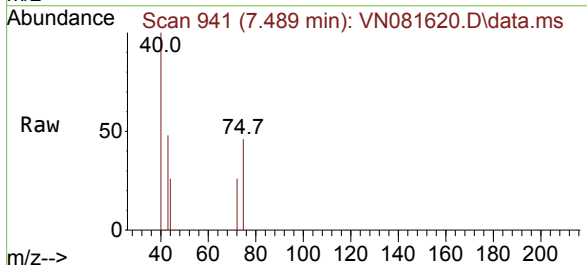
Instrument :
MSVOA_N
ClientSampleId :
S-21

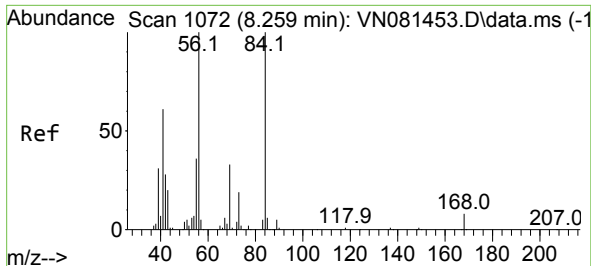
Tgt Ion: 43 Resp: 2842
Ion Ratio Lower Upper
43 100
58 46.7 24.8 37.2#



#25
2-Butanone
Concen: 0.204 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

Tgt Ion: 43 Resp: 524
Ion Ratio Lower Upper
43 100
72 53.8 19.5 29.3#

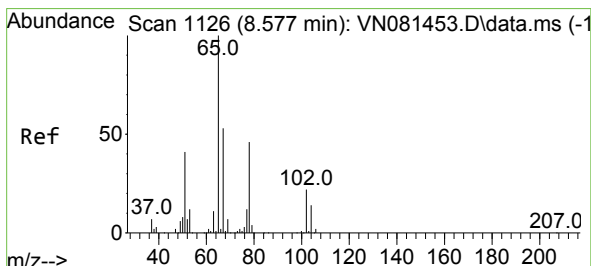
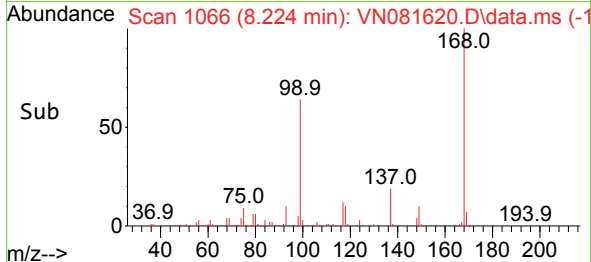
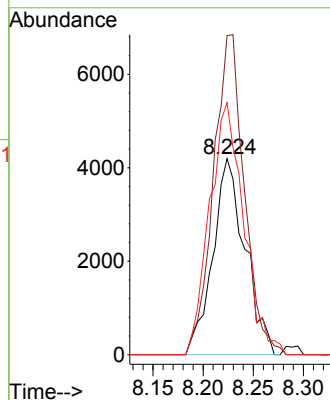
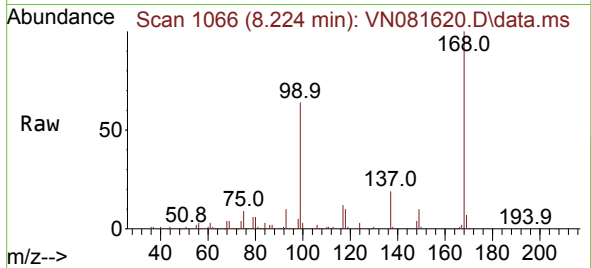




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

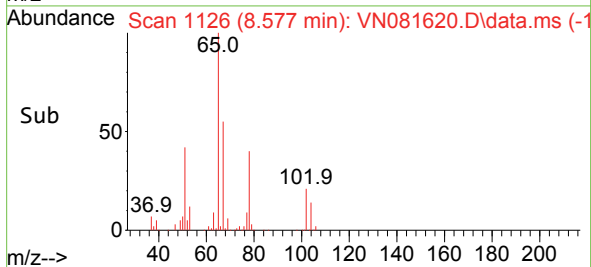
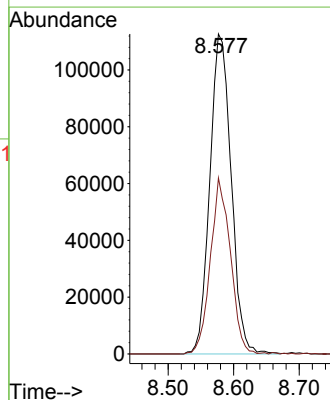
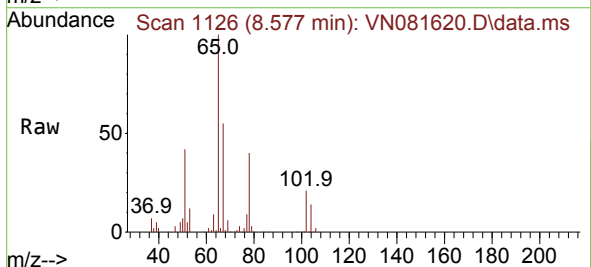
Instrument :
MSVOA_N
ClientSampleId :
S-21

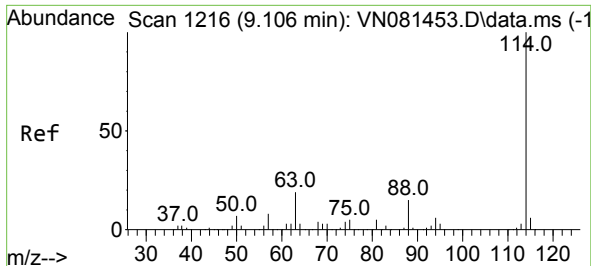
Tgt Ion: 56 Resp: 9361
Ion Ratio Lower Upper
56 100
69 162.7 20.1 30.1#
84 128.6 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 55.050 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

Tgt Ion: 65 Resp: 254625
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# 11

Delta R.T. -0.006 min

Lab File: VN081620.D

Acq: 29 Mar 2024 17:05

Instrument :

MSVOA_N

ClientSampleId :

S-21

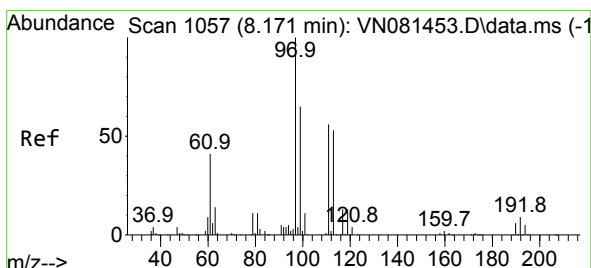
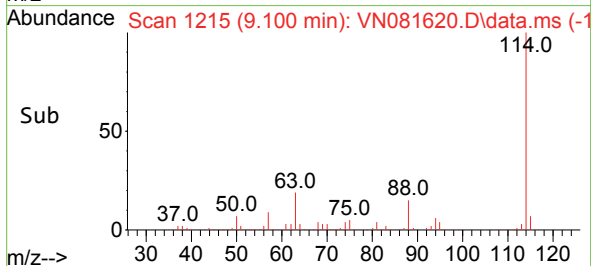
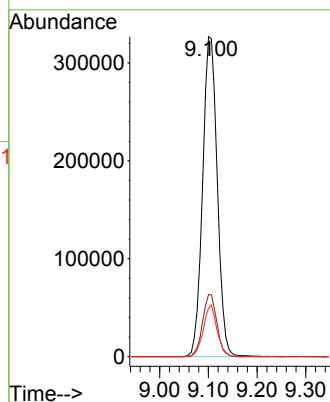
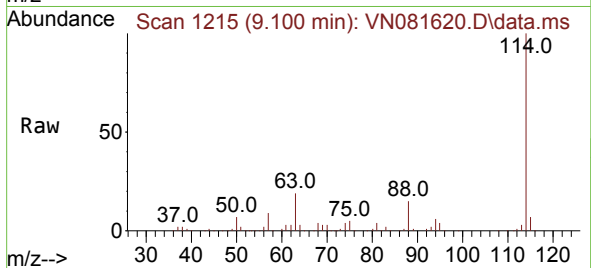
Tgt Ion:114 Resp: 682325

Ion Ratio Lower Upper

114 100

63 19.4 0.0 48.0

88 15.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.087 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081620.D

Acq: 29 Mar 2024 17:05

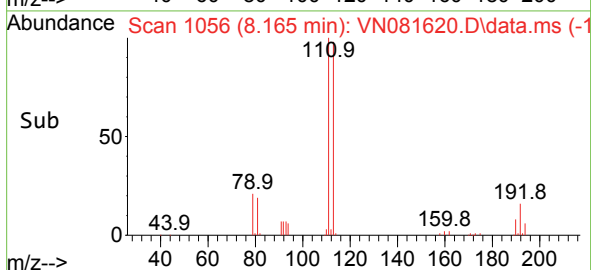
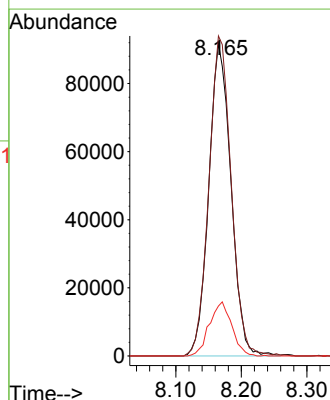
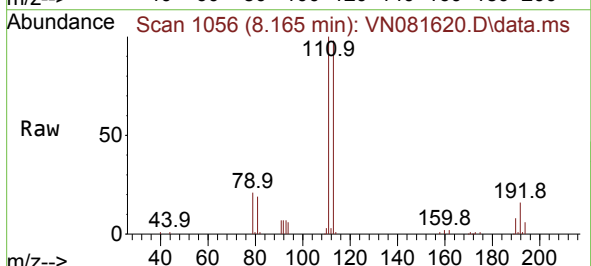
Tgt Ion:113 Resp: 215684

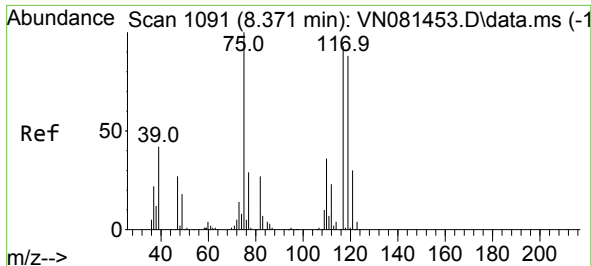
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

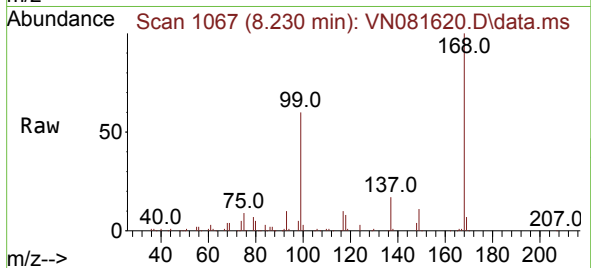
192 17.5 12.5 18.7



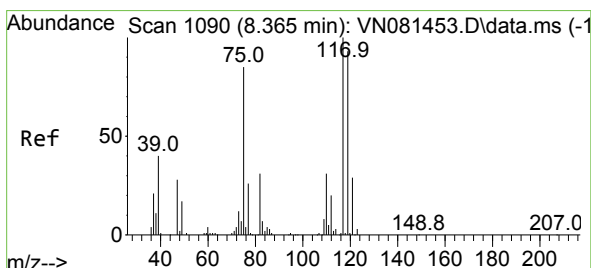
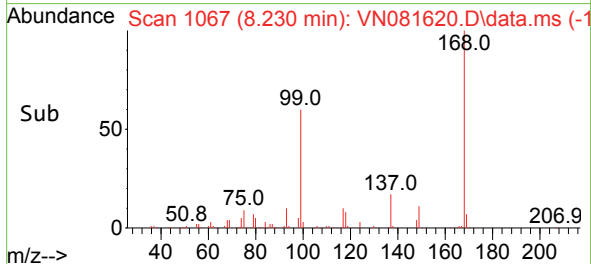
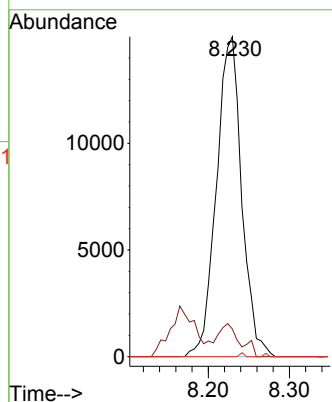


#36
1,1-Dichloropropene
Concen: 4.485 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

Instrument :
MSVOA_N
ClientSampleId :
S-21

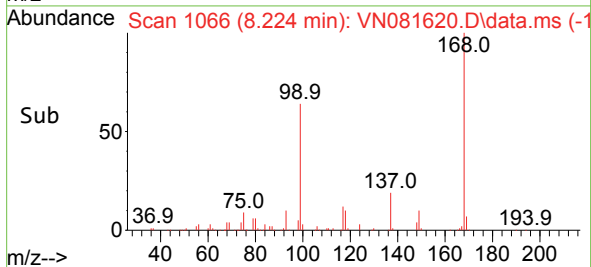
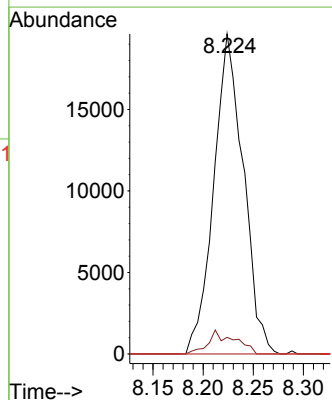
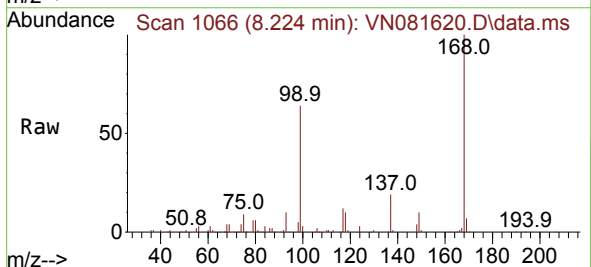


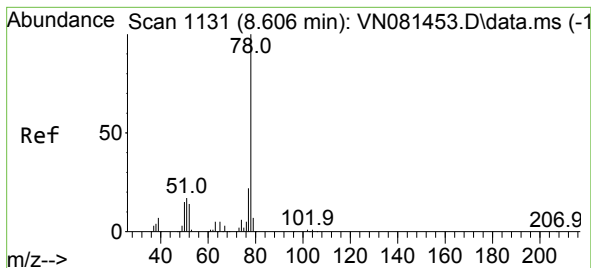
Tgt Ion: 75 Resp: 32501
Ion Ratio Lower Upper
75 100
110 8.5 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 5.082 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

Tgt Ion: 117 Resp: 40345
Ion Ratio Lower Upper
117 100
119 5.2 73.4 110.2#
121 0.0 24.4 36.6#





#40

Benzene

Concen: 43.749 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN081620.D

Acq: 29 Mar 2024 17:05

Instrument :

MSVOA_N

ClientSampleId :

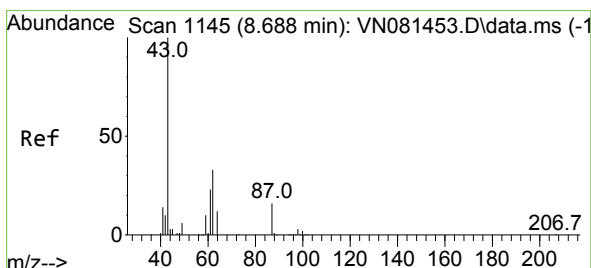
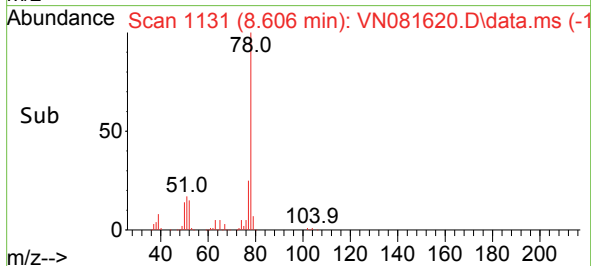
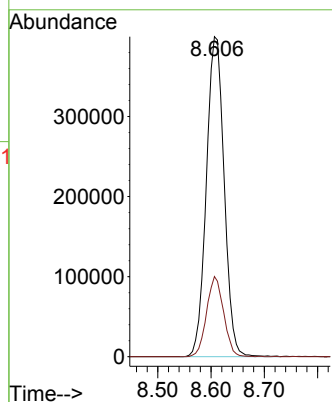
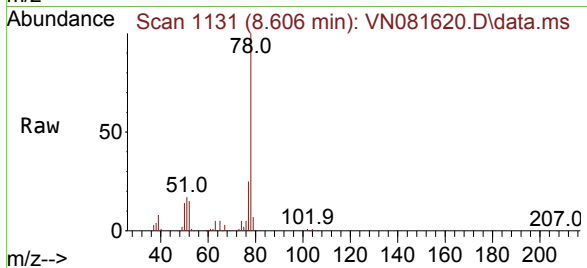
S-21

Tgt Ion: 78 Resp: 926880

Ion Ratio Lower Upper

78 100

77 25.1 20.4 30.6



#43

Isopropyl Acetate

Concen: 0.486 ug/l

RT: 8.689 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081620.D

Acq: 29 Mar 2024 17:05

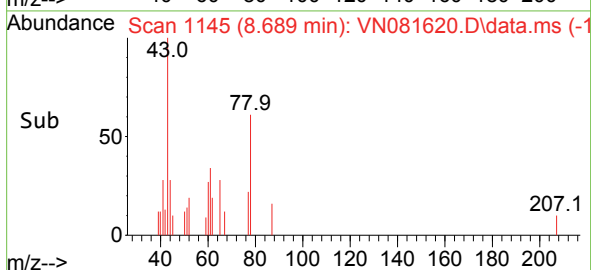
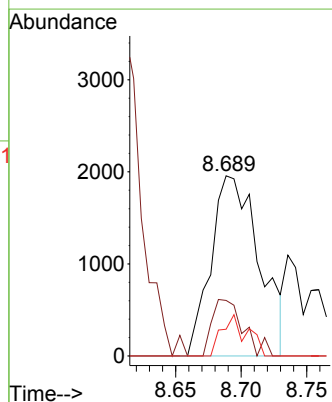
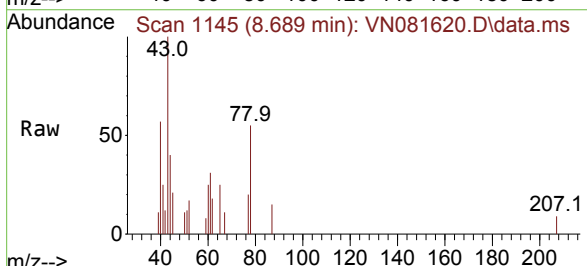
Tgt Ion: 43 Resp: 5003

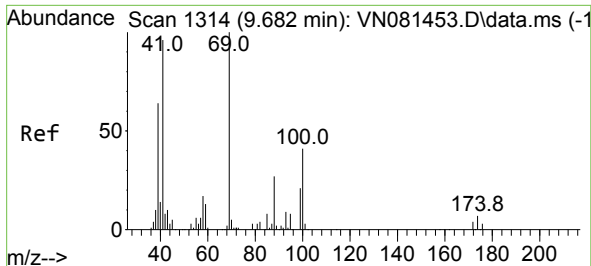
Ion Ratio Lower Upper

43 100

61 20.3 19.9 29.9

87 12.0 9.0 13.6

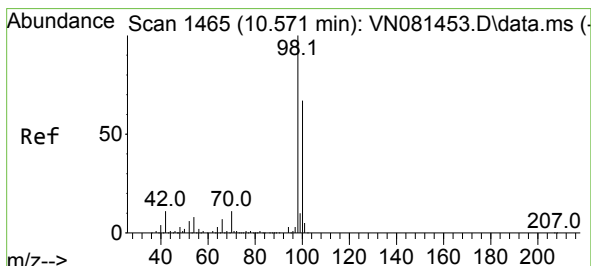
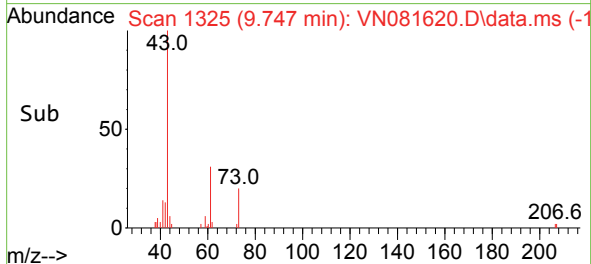
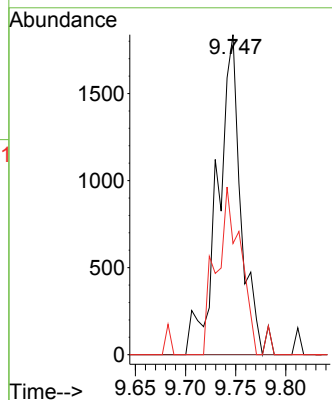
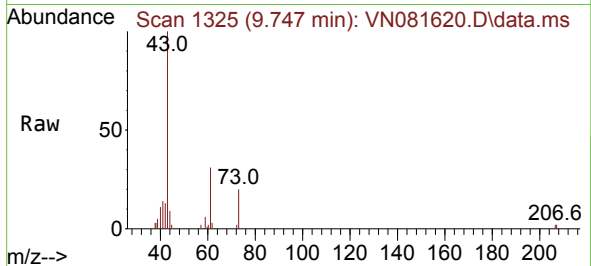




#48
Methyl methacrylate
Concen: 0.631 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

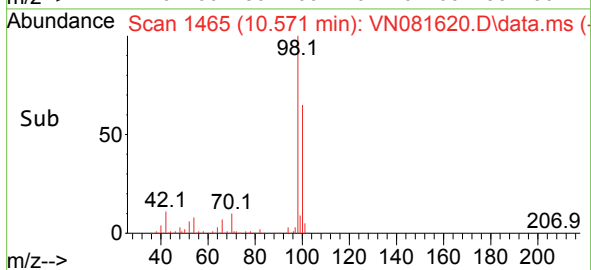
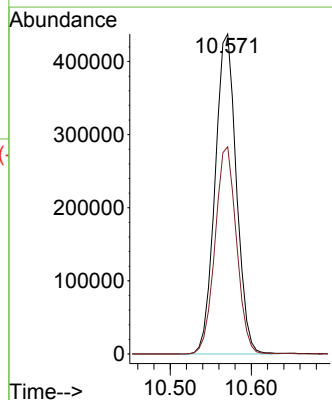
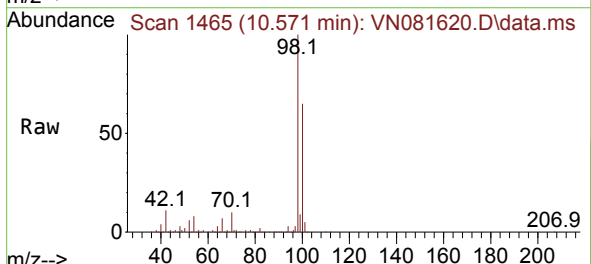
Instrument :
MSVOA_N
ClientSampleId :
S-21

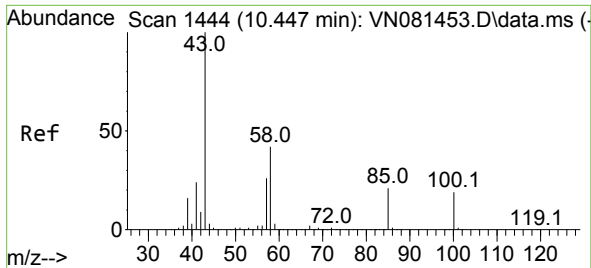
Tgt Ion: 41 Resp: 2995
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 53.6 47.6 71.4



#50
Toluene-d8
Concen: 51.280 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

Tgt Ion: 98 Resp: 798244
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0

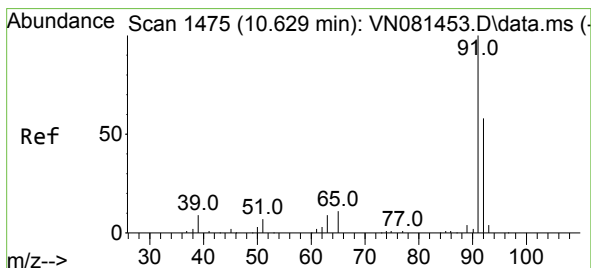
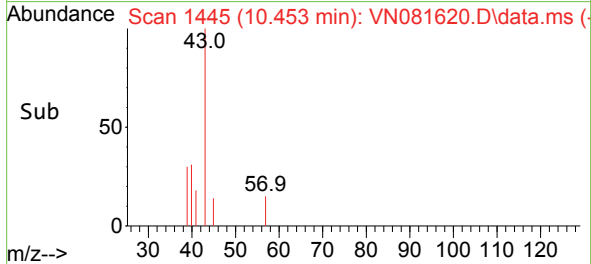
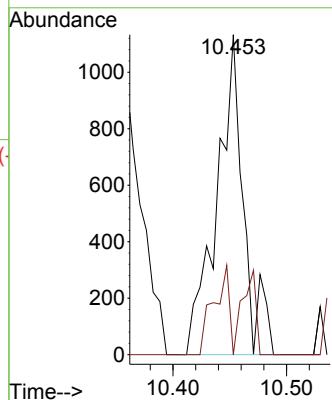
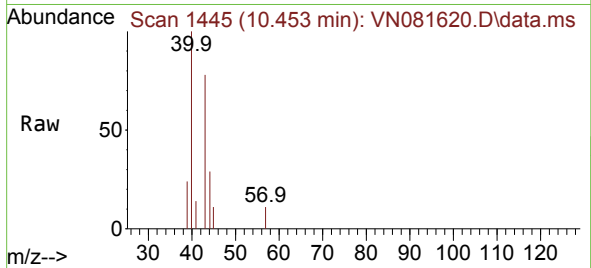




#51
4-Methyl-2-Pentanone
Concen: 0.296 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

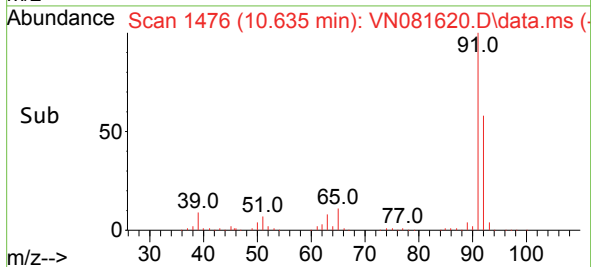
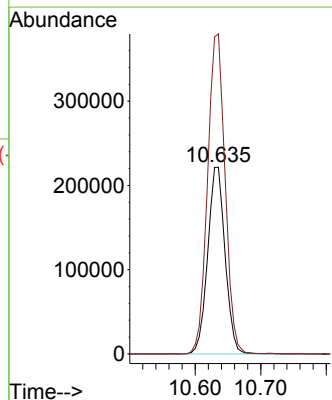
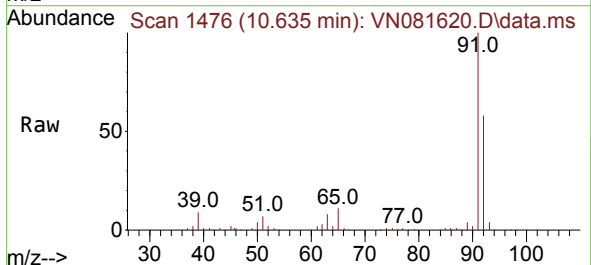
Instrument :
MSVOA_N
ClientSampleId :
S-21

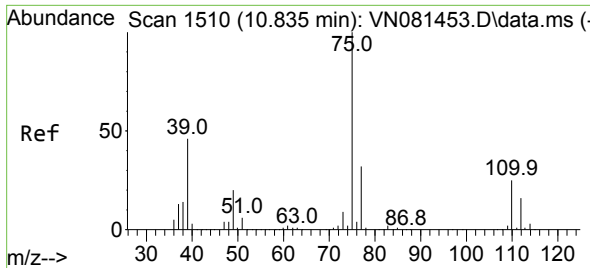
Tgt Ion: 43 Resp: 1857
Ion Ratio Lower Upper
43 100
58 16.3 29.4 44.0#



#52
Toluene
Concen: 30.296 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

Tgt Ion: 92 Resp: 407963
Ion Ratio Lower Upper
92 100
91 173.1 139.4 209.0

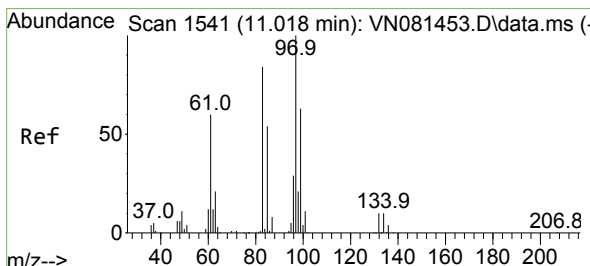
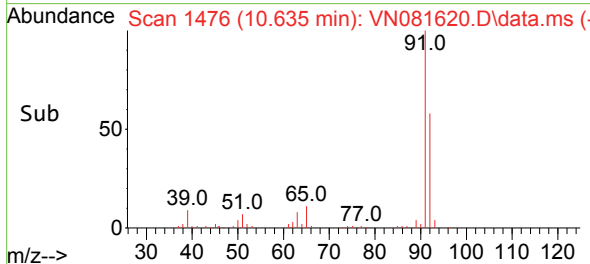
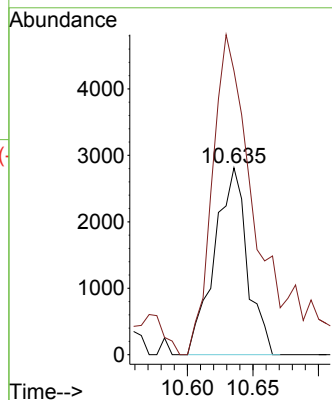
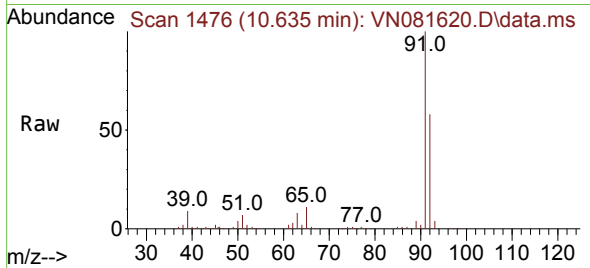




#53
 t-1,3-Dichloropropene
 Concen: 0.593 ug/l
 RT: 10.635 min Scan# 1476
 Delta R.T. -0.200 min
 Lab File: VN081620.D
 Acq: 29 Mar 2024 17:05

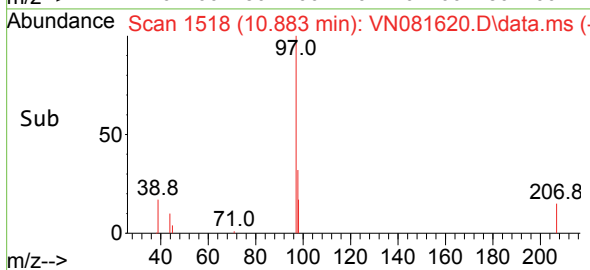
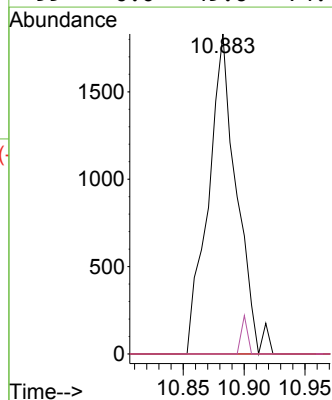
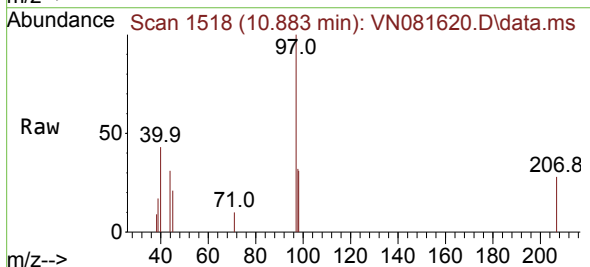
Instrument :
 MSVOA_N
 ClientSampleId :
 S-21

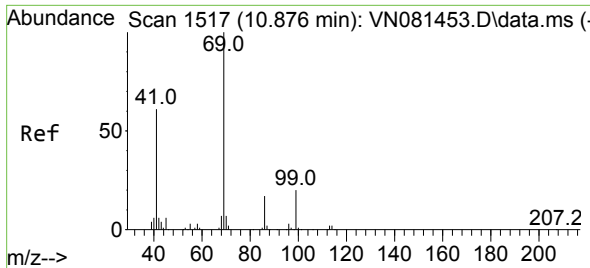
Tgt Ion: 75 Resp: 4885
 Ion Ratio Lower Upper
 75 100
 77 152.0 25.5 38.3#



#55
 1,1,2-Trichloroethane
 Concen: 0.546 ug/l
 RT: 10.883 min Scan# 1518
 Delta R.T. -0.135 min
 Lab File: VN081620.D
 Acq: 29 Mar 2024 17:05

Tgt Ion: 97 Resp: 2961
 Ion Ratio Lower Upper
 97 100
 83 0.0 72.9 109.3#
 85 0.0 50.2 75.2#
 99 0.0 49.6 74.4#

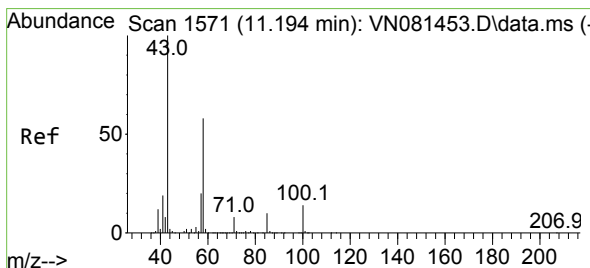
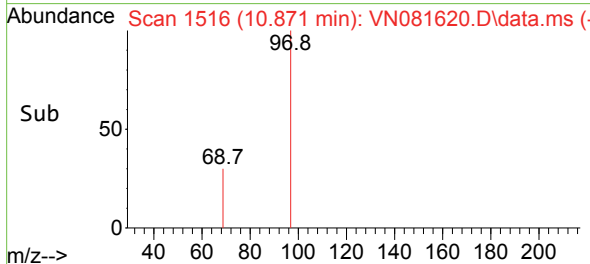
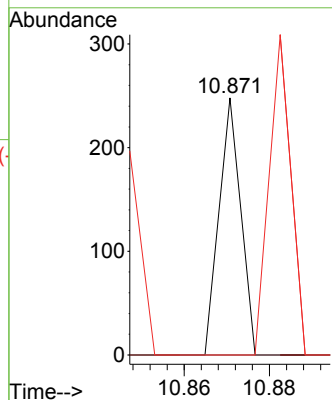
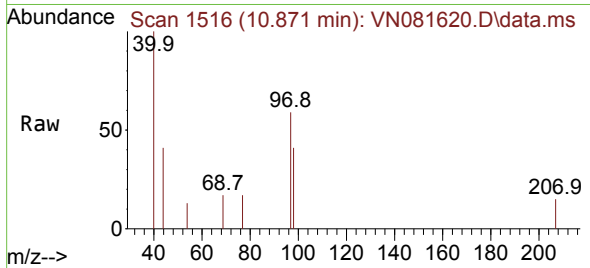




#56
Ethyl methacrylate
Concen: 0.582 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.005 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

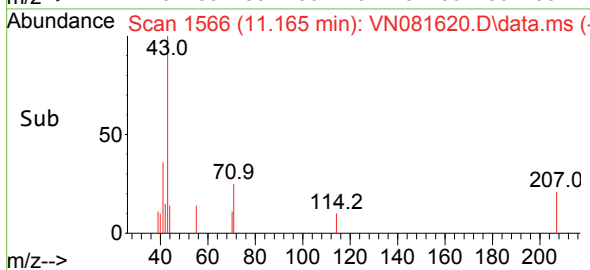
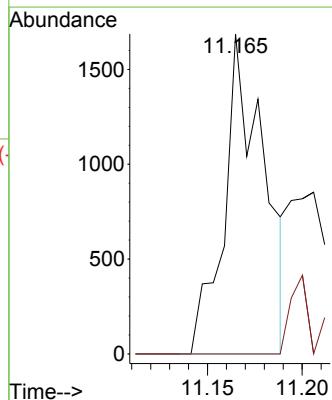
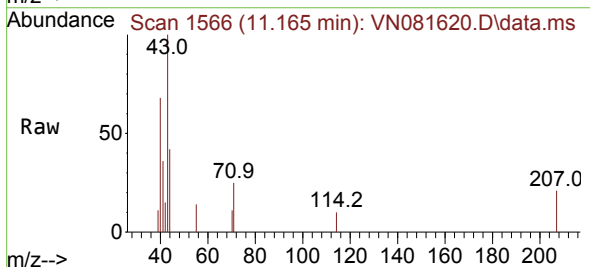
Instrument :
MSVOA_N
ClientSampleId :
S-21

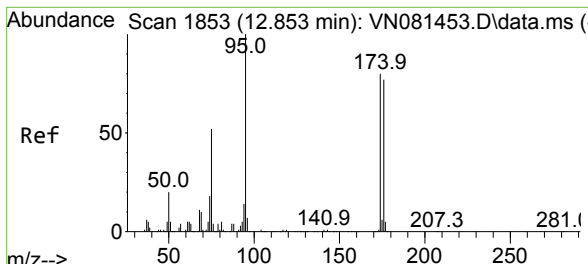
Tgt Ion: 69	Resp: 87
Ion Ratio	Lower Upper
69	100
41	0.0 61.0 91.6#
39	0.0 31.8 47.6#



#59
2-Hexanone
Concen: 0.525 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.029 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

Tgt Ion: 43	Resp: 2437
Ion Ratio	Lower Upper
43	100
58	0.0 25.9 77.8#

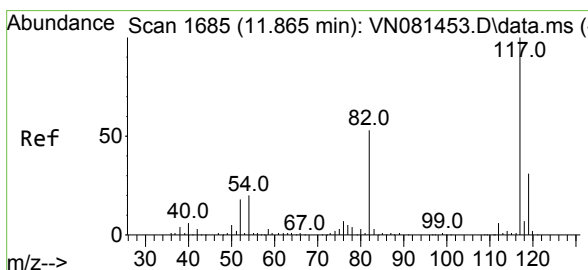
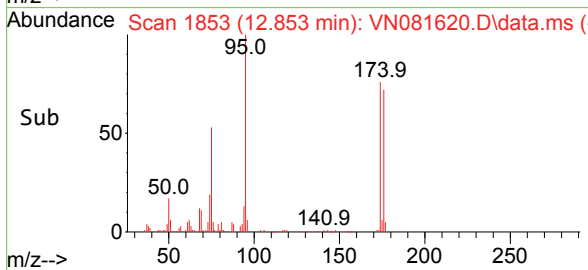
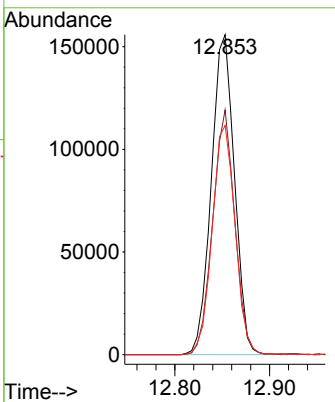
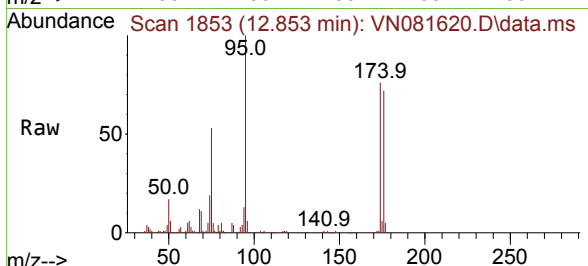




#62
 4-Bromofluorobenzene
 Concen: 48.253 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN081620.D
 Acq: 29 Mar 2024 17:05

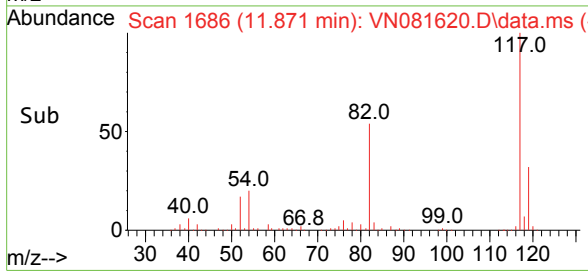
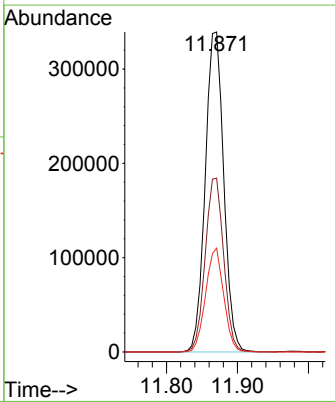
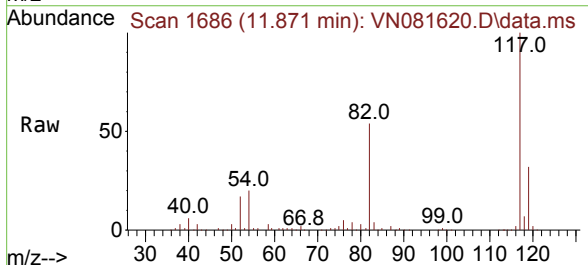
Instrument :
 MSVOA_N
 ClientSampleId :
 S-21

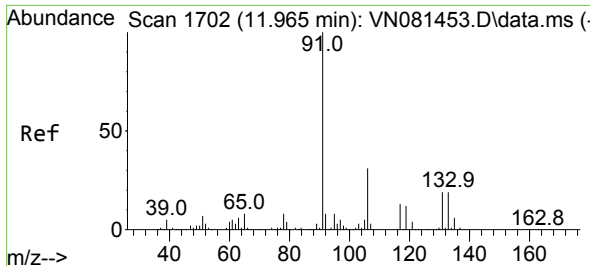
Tgt Ion:	95	Resp:	264667
Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	120.4
176	71.2	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN081620.D
 Acq: 29 Mar 2024 17:05

Tgt Ion:	117	Resp:	614538
Ion	Ratio	Lower	Upper
117	100		
82	54.3	52.7	79.1
119	32.4	25.3	37.9

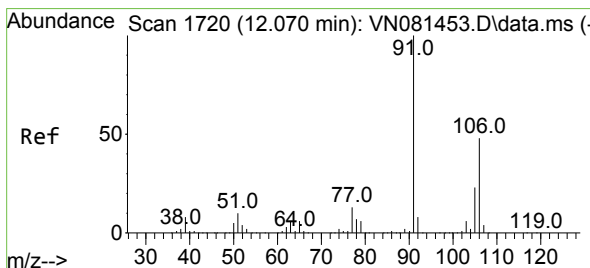
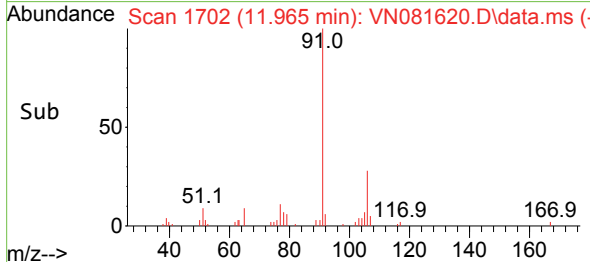
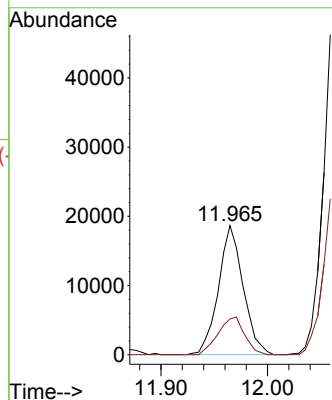
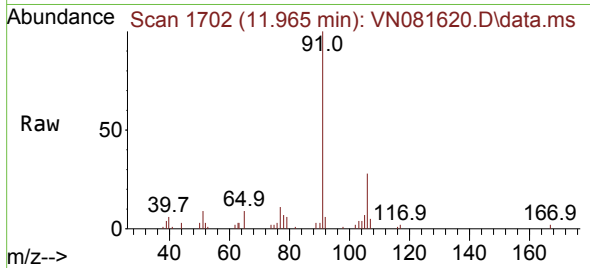




#67
Ethyl Benzene
Concen: 1.189 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

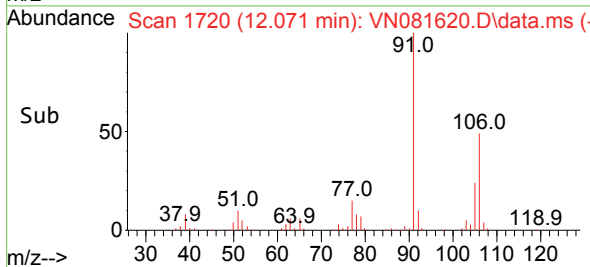
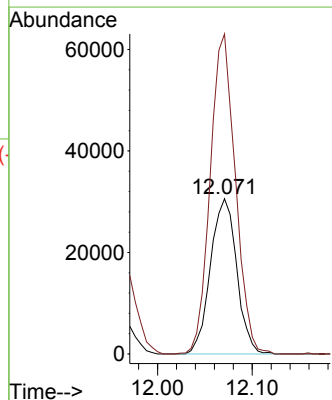
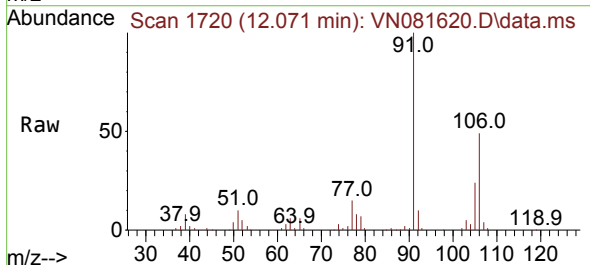
Instrument :
MSVOA_N
ClientSampleId :
S-21

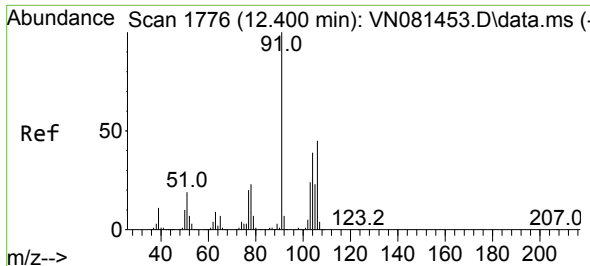
Tgt Ion: 91 Resp: 30003
Ion Ratio Lower Upper
91 100
106 27.7 23.8 35.6



#68
m/p-Xylenes
Concen: 6.225 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

Tgt Ion: 106 Resp: 58895
Ion Ratio Lower Upper
106 100
91 197.9 169.0 253.6

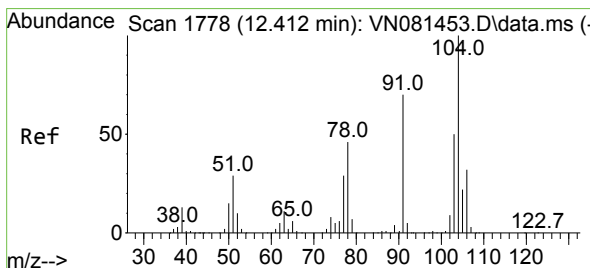
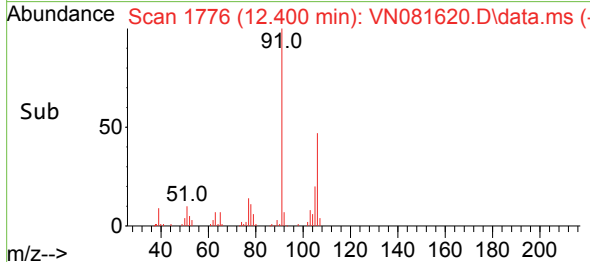
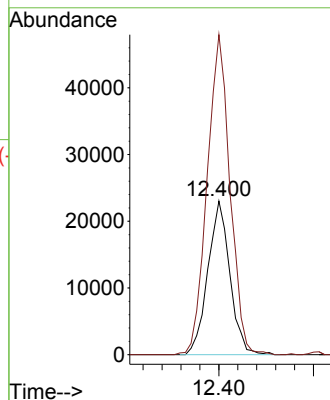
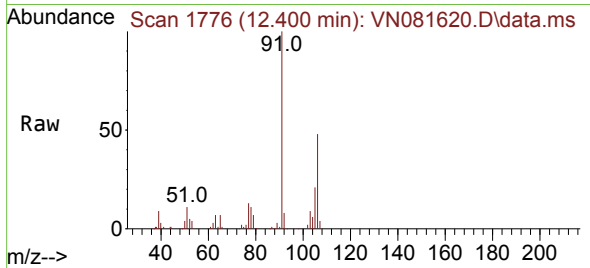




#69
o-Xylene
Concen: 4.001 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

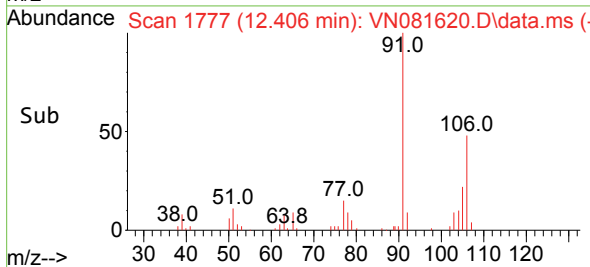
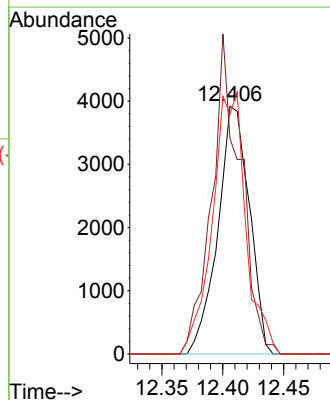
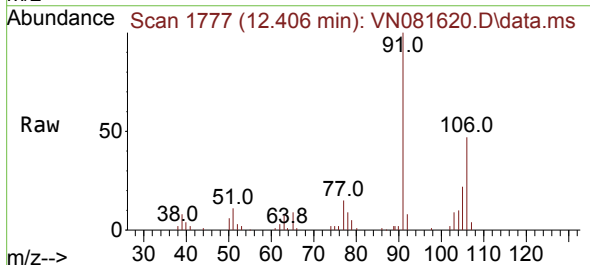
Instrument :
MSVOA_N
ClientSampleId :
S-21

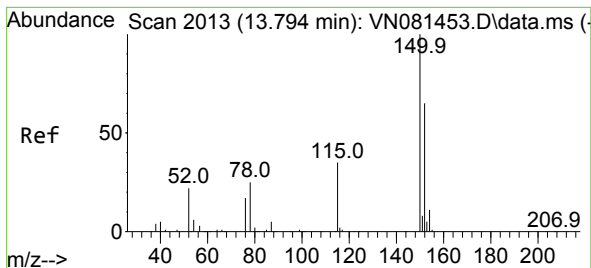
Tgt Ion:106 Resp: 37159
Ion Ratio Lower Upper
106 100
91 216.1 112.1 336.3



#70
Styrene
Concen: 0.472 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

Tgt Ion:104 Resp: 7072
Ion Ratio Lower Upper
104 100
78 117.2 43.8 65.8#
103 111.5 44.2 66.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081620.D

Acq: 29 Mar 2024 17:05

Instrument :

MSVOA_N

ClientSampleId :

S-21

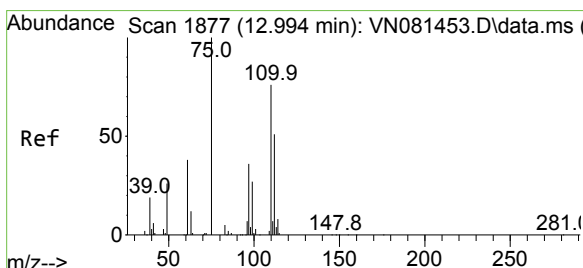
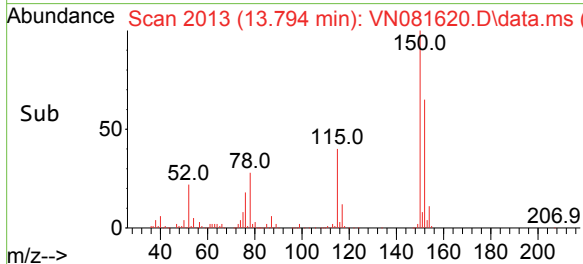
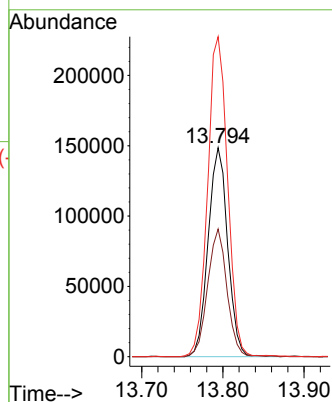
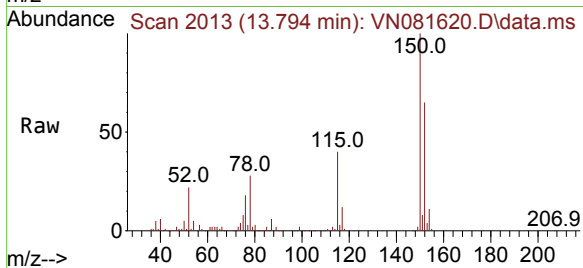
Tgt Ion:152 Resp: 248189

Ion Ratio Lower Upper

152 100

115 60.6 32.3 96.8

150 156.0 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 23.283 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081620.D

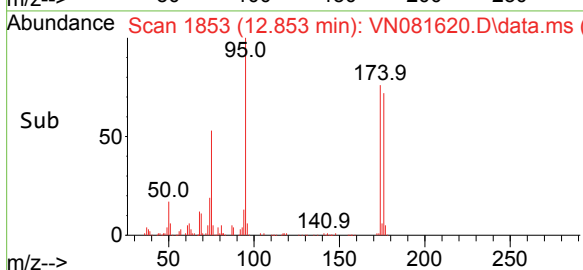
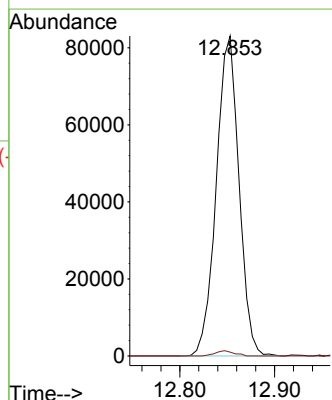
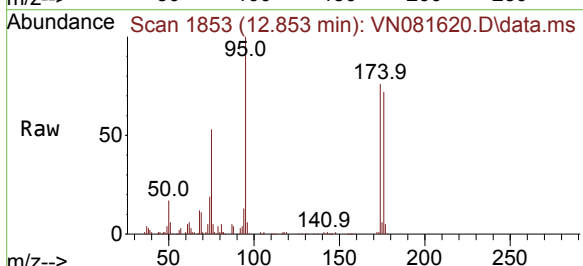
Acq: 29 Mar 2024 17:05

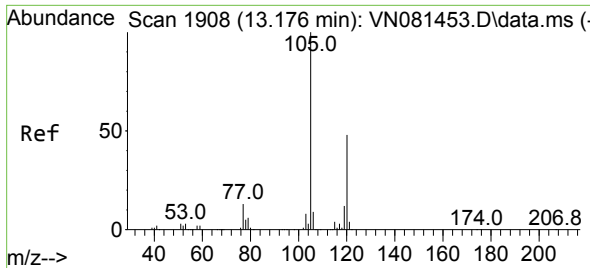
Tgt Ion: 75 Resp: 138224

Ion Ratio Lower Upper

75 100

77 1.4 91.0 272.8#

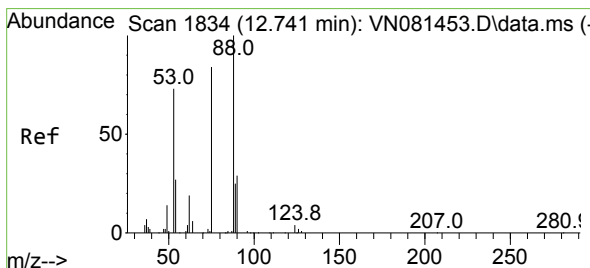
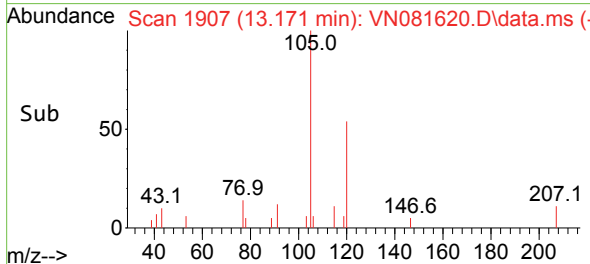
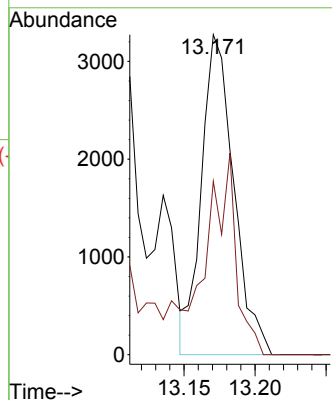
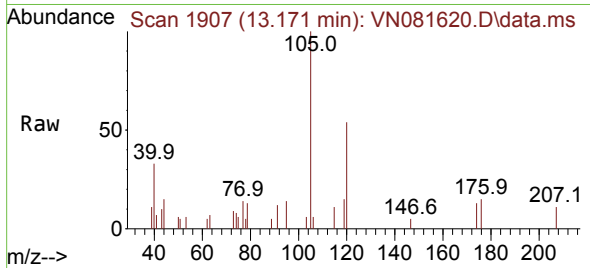




#80
1,3,5-Trimethylbenzene
Concen: 0.296 ug/l
RT: 13.171 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

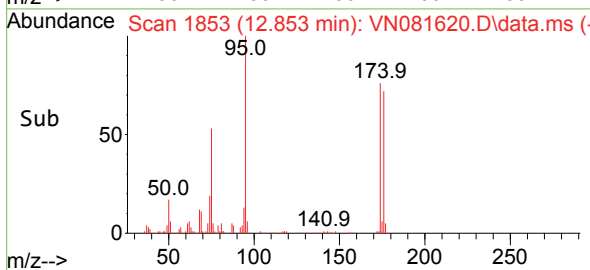
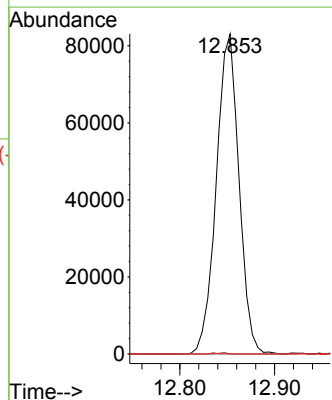
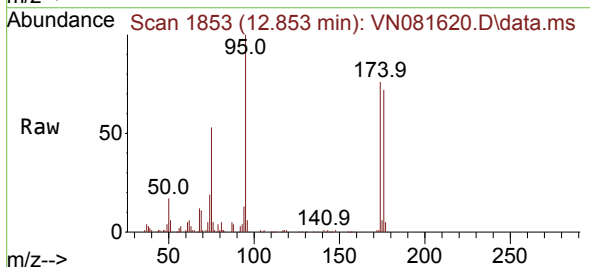
Instrument :
MSVOA_N
ClientSampleId :
S-21

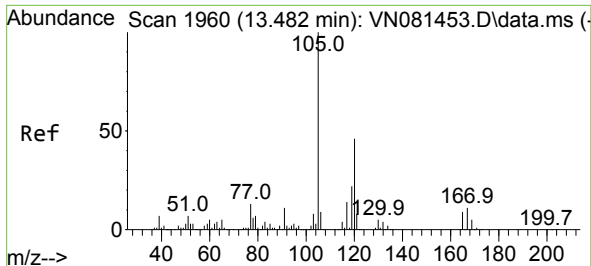
Tgt Ion:105 Resp: 5180
Ion Ratio Lower Upper
105 100
120 51.9 23.0 69.0



#81
trans-1,4-Dichloro-2-butene
Concen: 62.917 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

Tgt Ion: 75 Resp: 138224
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.1 33.4 50.0#

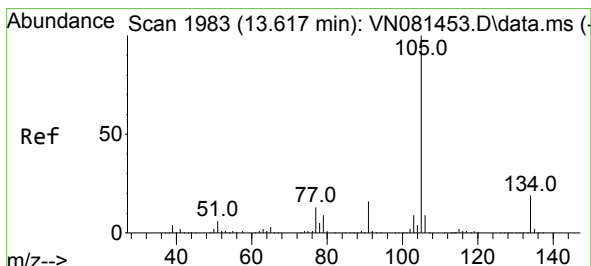
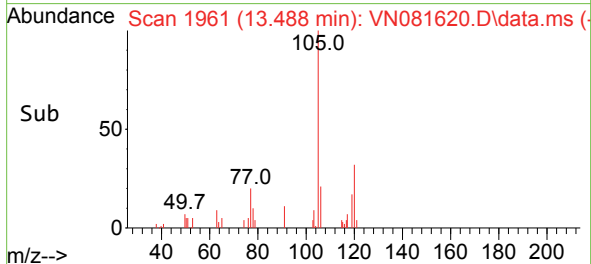
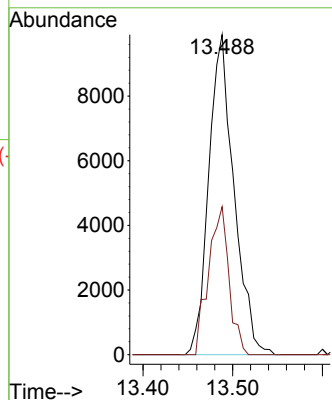
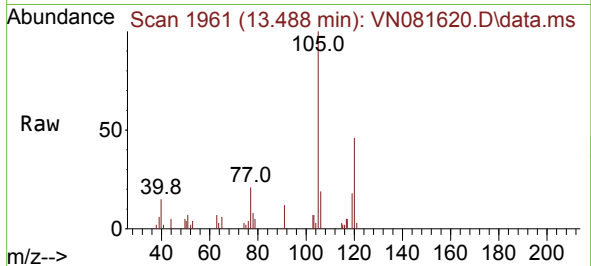




#84
1,2,4-Trimethylbenzene
Concen: 1.099 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

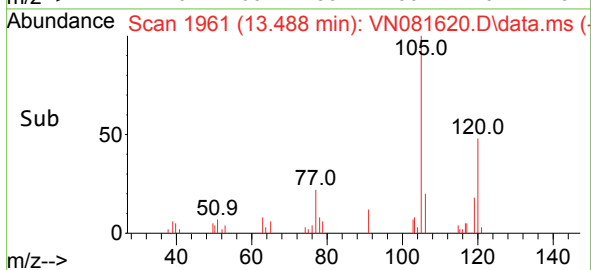
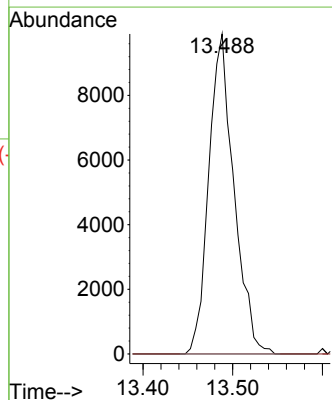
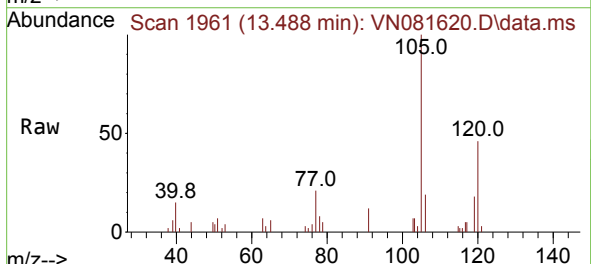
Instrument :
MSVOA_N
ClientSampleId :
S-21

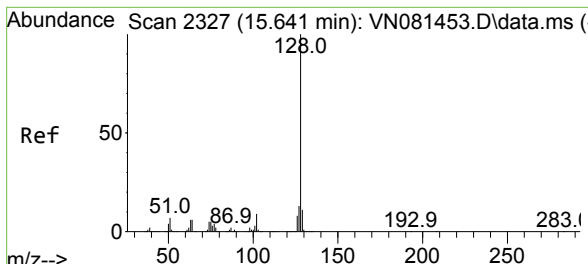
Tgt Ion:105 Resp: 19293
Ion Ratio Lower Upper
105 100
120 37.7 20.9 62.7



#85
sec-Butylbenzene
Concen: 0.896 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.129 min
Lab File: VN081620.D
Acq: 29 Mar 2024 17:05

Tgt Ion:105 Resp: 19293
Ion Ratio Lower Upper
105 100
134 0.0 8.6 25.8#





#95
 Naphthalene
 Concen: 8.119 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN081620.D
 Acq: 29 Mar 2024 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 S-21

Tgt Ion:	128	Resp:	140589
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.0	15.0
129	11.6	8.7	13.1

