

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030424\
 Data File : VN081294.D
 Acq On : 04 Mar 2024 10:44
 Operator : JC\MD
 Sample : VN0304MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304MBL01

Quant Time: Mar 05 03:05:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

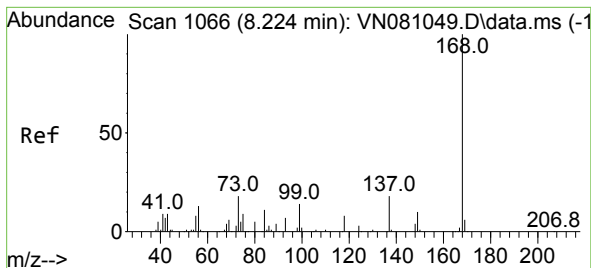
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	324134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	583502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	497499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	185150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	216757	54.558	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.120%			
35) Dibromofluoromethane	8.171	113	170222	51.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.180%			
50) Toluene-d8	10.571	98	645236	55.059	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.120%			
62) 4-Bromofluorobenzene	12.853	95	195133	44.314	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 88.620%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1056	Below Cal	#	80
5) Bromomethane	2.977	94	1449	0.438	ug/l #	62
6) Chloroethane	3.100	64	215	Below Cal	#	42
10) Methyl Iodide	4.589	142	1203	0.284	ug/l #	66
13) Acrolein	4.177	56	486	1.241	ug/l	87
15) Acrylonitrile	5.718	53	932	0.488	ug/l #	53
16) Acetone	4.424	43	555	0.355	ug/l #	44
17) Carbon Disulfide	4.712	76	2461	0.241	ug/l #	78
20) Methylene Chloride	5.289	84	661	Below Cal	#	67
31) Cyclohexane	8.224	56	9337	1.361	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	29355	5.193	ug/l #	51
38) Carbon Tetrachloride	8.230	117	38168	6.674	ug/l #	20
43) Isopropyl Acetate	8.677	43	3109	0.348	ug/l #	57
76) 1,2,3-Trichloropropane	12.853	75	107326	25.513	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	107326	65.668	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.388	180	840	0.229	ug/l	90
94) Hexachlorobutadiene	15.506	225	639	0.467	ug/l #	44
95) Naphthalene	15.647	128	3858	0.287	ug/l #	80

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

Quant Time: Mar 05 03:05:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 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: VN081294.D

Acq: 04 Mar 2024 10:44

Instrument :

MSVOA_N

ClientSampleId :

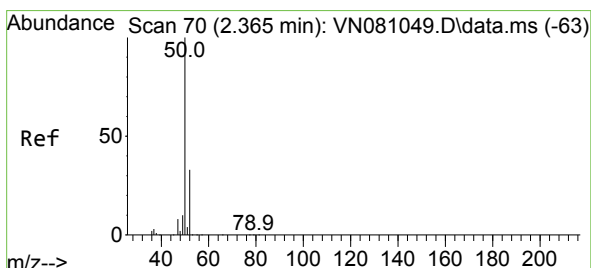
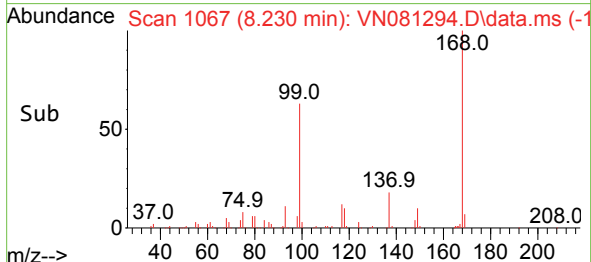
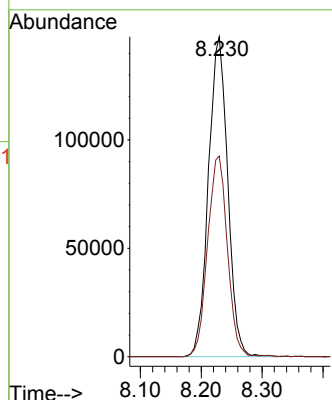
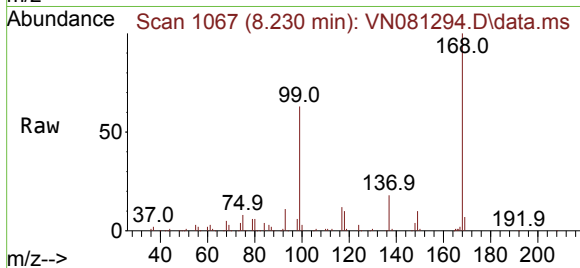
VN0304MBL01

Tgt Ion:168 Resp: 324134

Ion Ratio Lower Upper

168 100

99 62.7 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081294.D

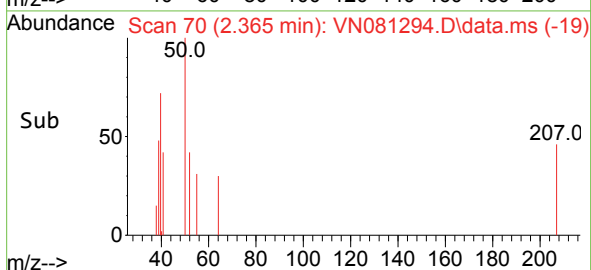
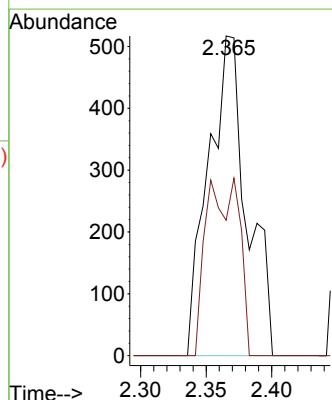
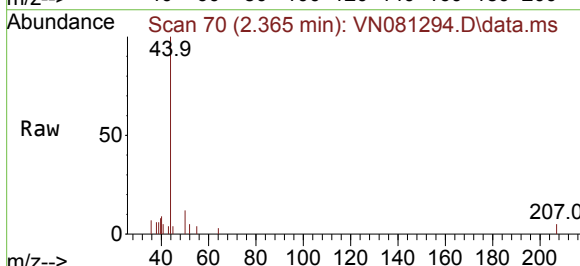
Acq: 04 Mar 2024 10:44

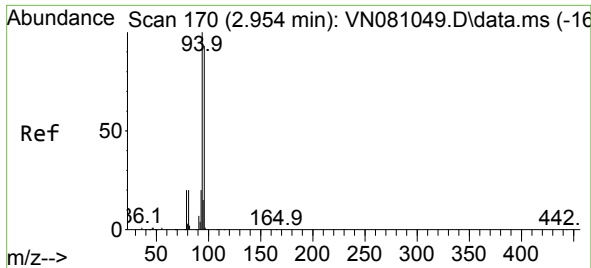
Tgt Ion: 50 Resp: 1056

Ion Ratio Lower Upper

50 100

52 42.4 25.0 37.4#

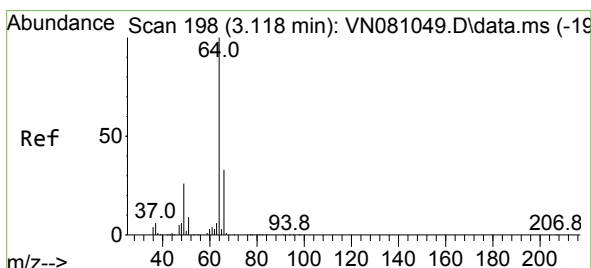
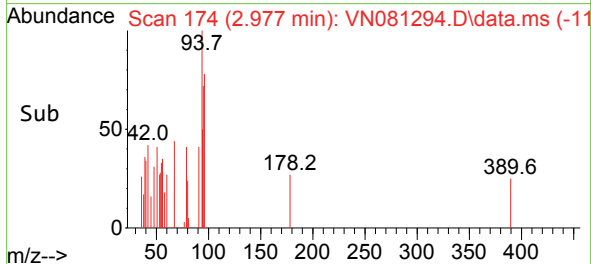
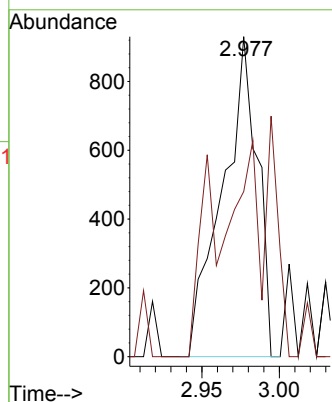
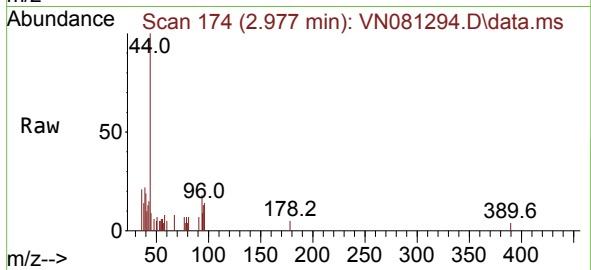




#5
Bromomethane
Concen: 0.438 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

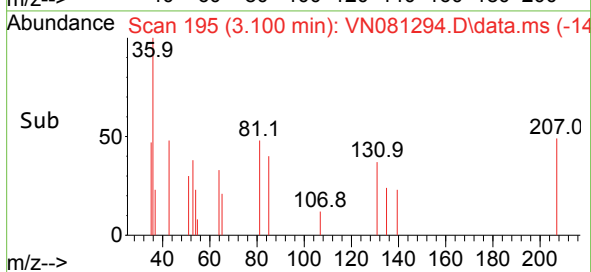
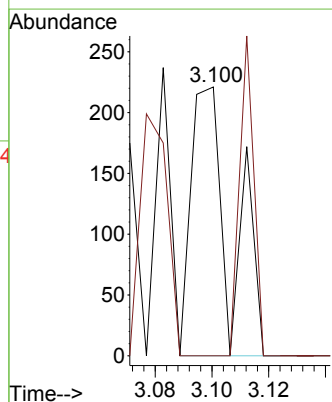
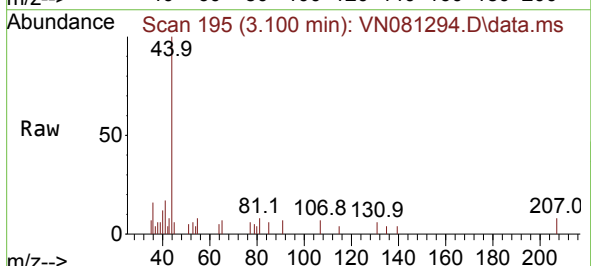
Instrument :
MSVOA_N
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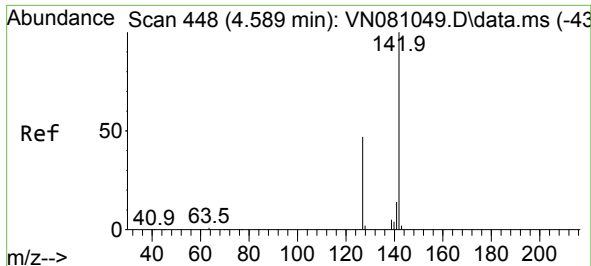
Tgt Ion: 94 Resp: 1449
Ion Ratio Lower Upper
94 100
96 51.6 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

Tgt Ion: 64 Resp: 215
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

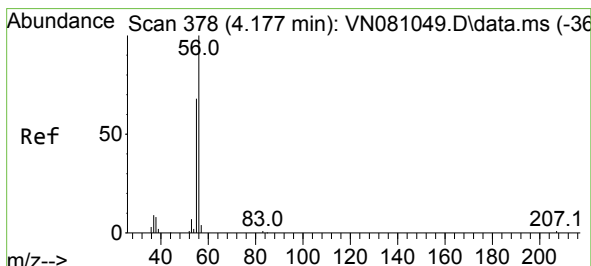
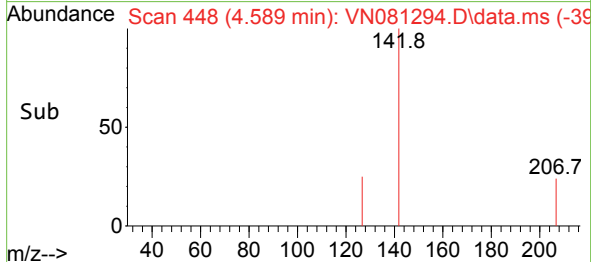
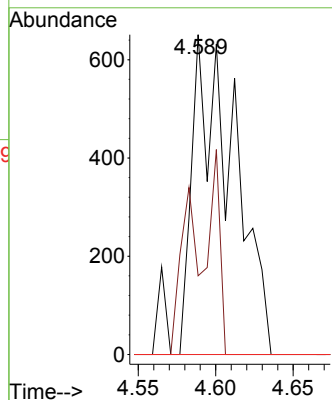
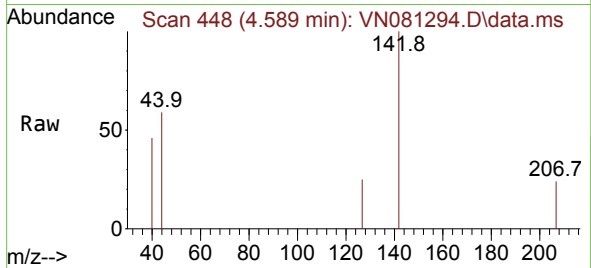




#10
Methyl Iodide
Concen: 0.284 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

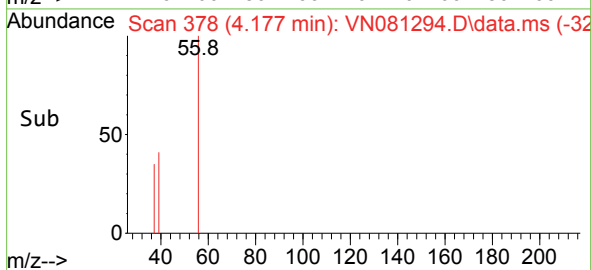
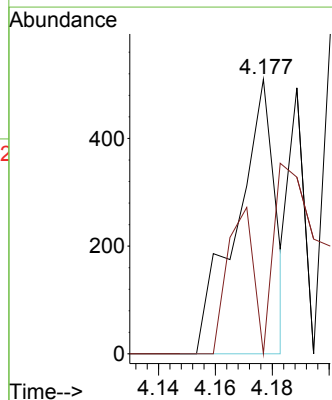
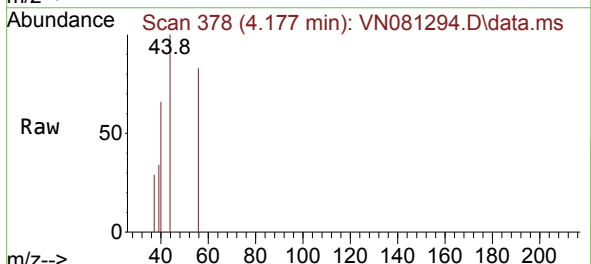
Instrument :
MSVOA_N
ClientSampleId :
VN0304MBL01

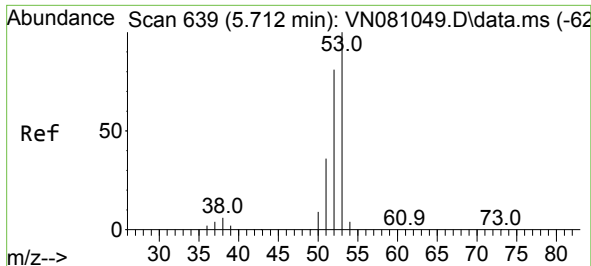
Tgt Ion:142 Resp: 1203
Ion Ratio Lower Upper
142 100
127 24.6 37.0 55.4#
141 0.0 12.5 18.7#



#13
Acrolein
Concen: 1.241 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

Tgt Ion: 56 Resp: 486
Ion Ratio Lower Upper
56 100
55 79.6 55.3 82.9

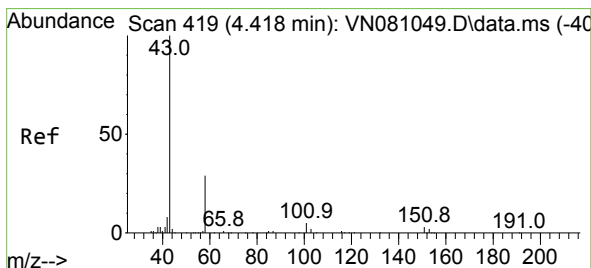
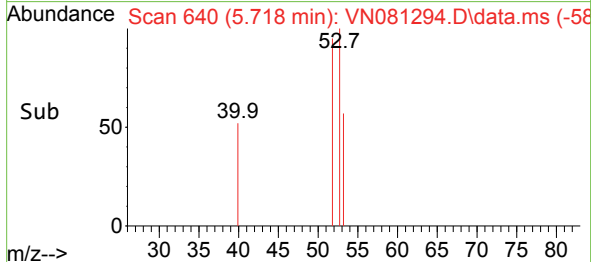
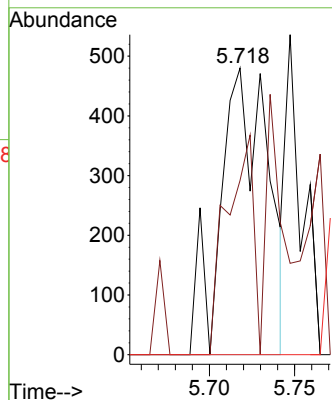
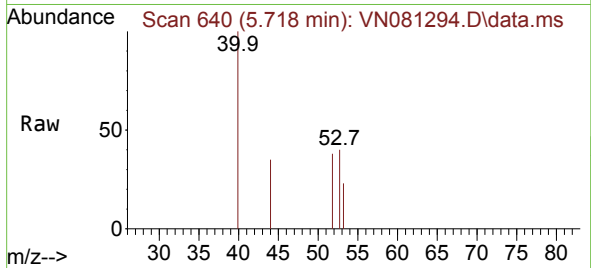




#15
Acrylonitrile
Concen: 0.488 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

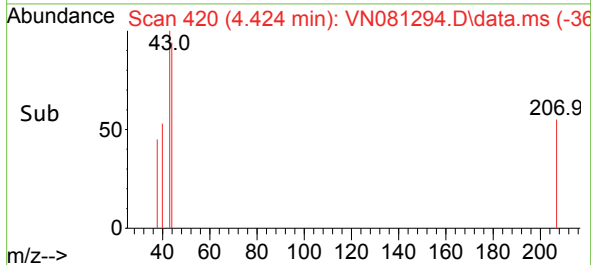
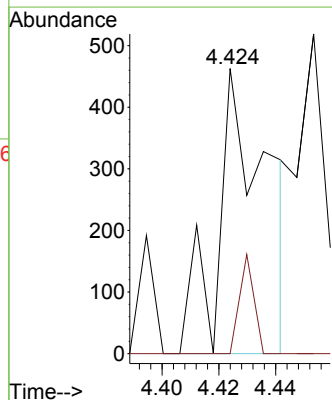
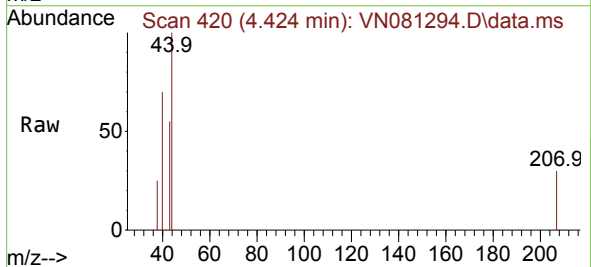
Instrument :
MSVOA_N
ClientSampleId :
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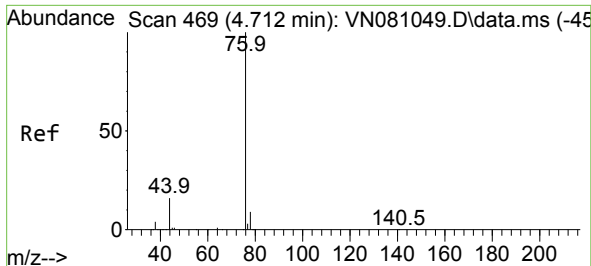
Tgt Ion: 53 Resp: 932
Ion Ratio Lower Upper
53 100
52 43.3 64.8 97.2#
51 0.0 26.9 40.3#



#16
Acetone
Concen: 0.355 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

Tgt Ion: 43 Resp: 555
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#

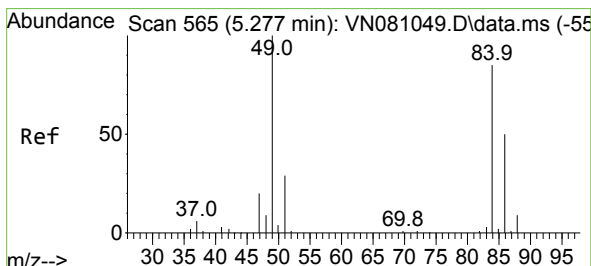
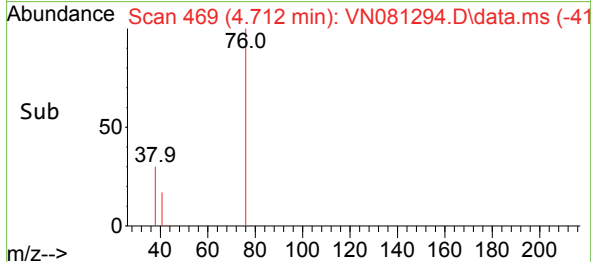
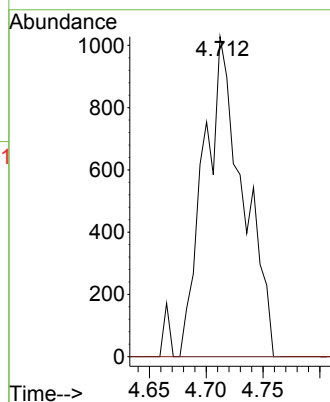
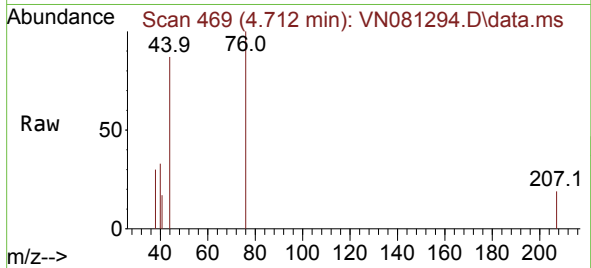




#17
Carbon Disulfide
Concen: 0.241 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

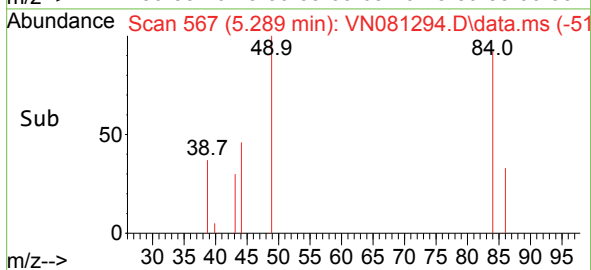
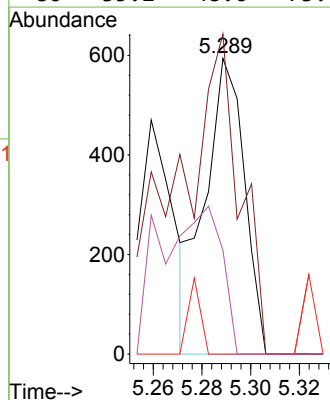
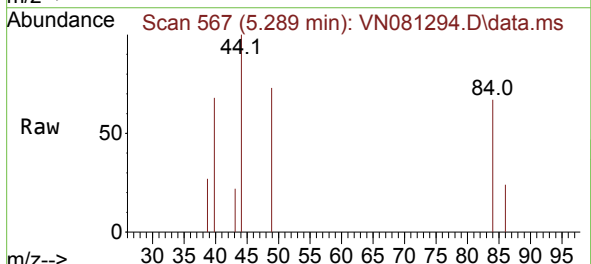
Instrument :
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ClientSampleId :
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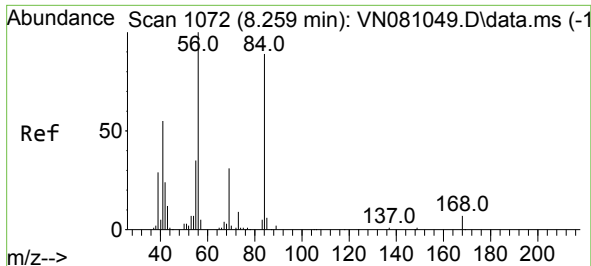
Tgt Ion: 76 Resp: 2461
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

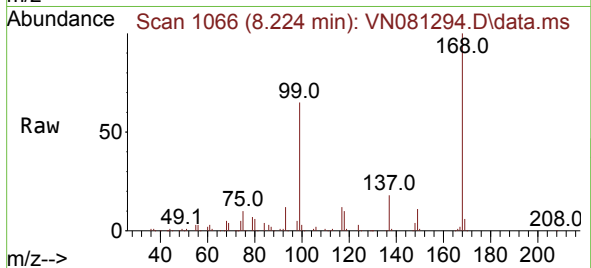
Tgt Ion: 84 Resp: 661
Ion Ratio Lower Upper
84 100
49 108.2 108.1 162.1
51 0.0 32.9 49.3#
86 35.2 48.6 73.0#



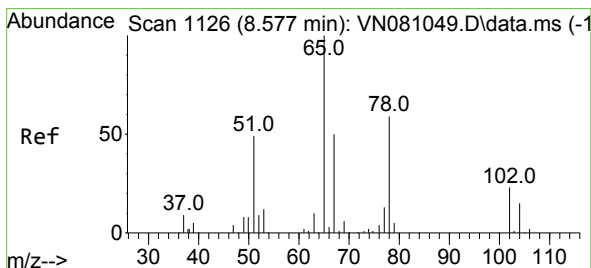
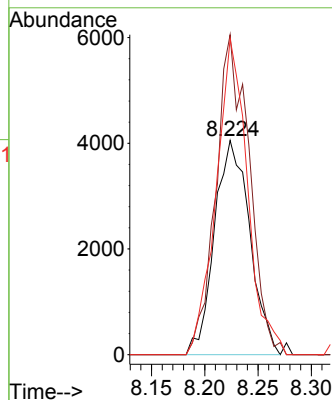
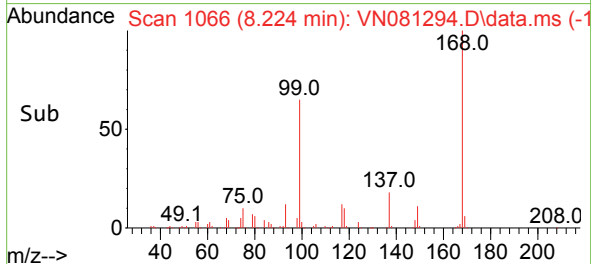


#31
Cyclohexane
Concen: 1.361 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0304MBL01

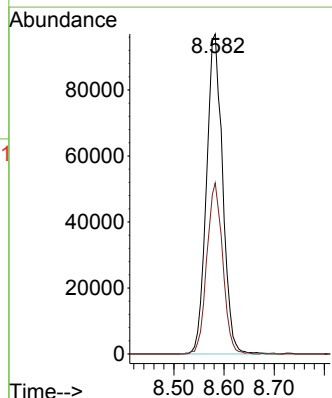
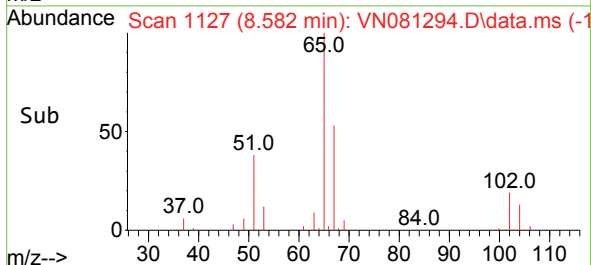
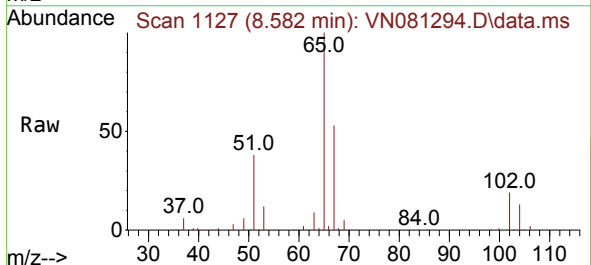


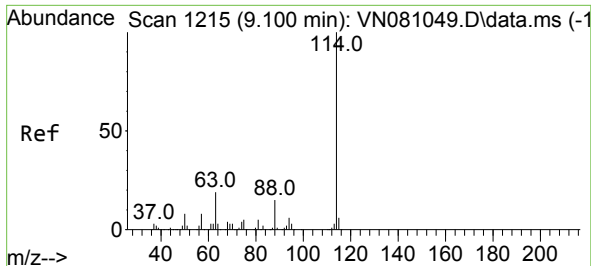
Tgt Ion: 56 Resp: 9337
Ion Ratio Lower Upper
56 100
69 149.4 20.1 30.1#
84 147.5 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 54.558 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

Tgt Ion: 65 Resp: 216757
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.4

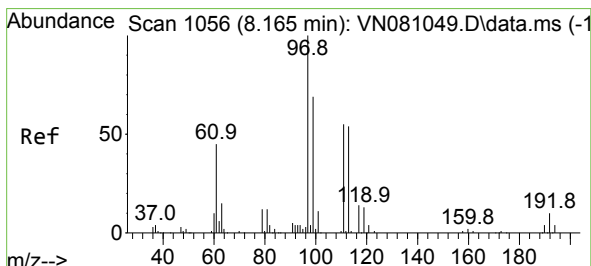
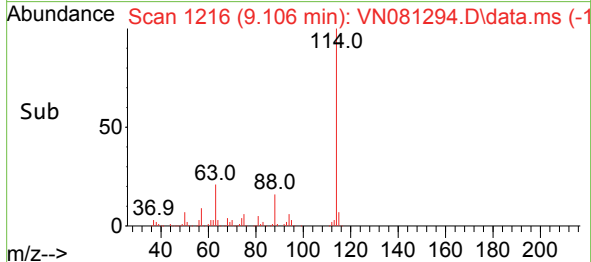
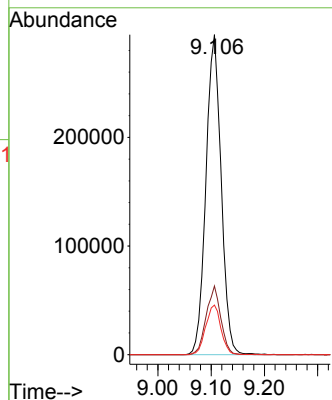
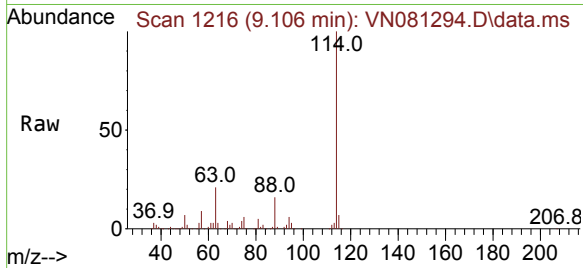




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

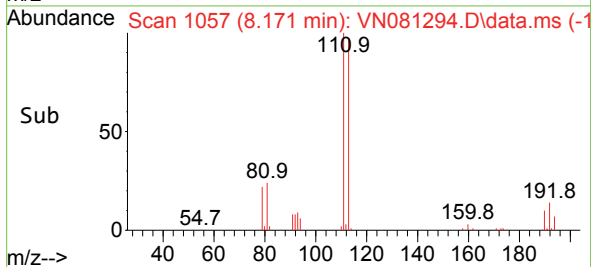
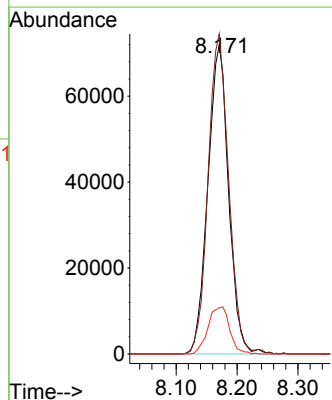
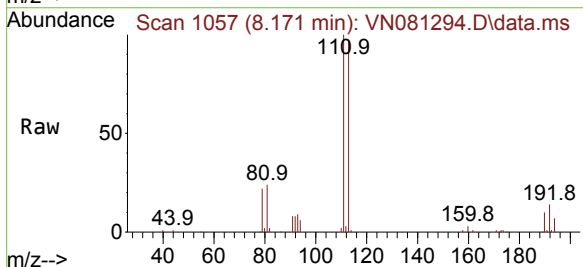
Instrument :
MSVOA_N
ClientSampleId :
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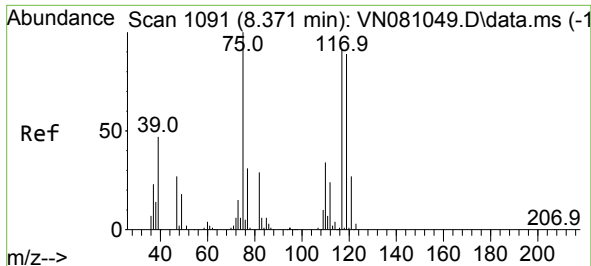
Tgt Ion:114 Resp: 583502
Ion Ratio Lower Upper
114 100
63 21.5 0.0 48.0
88 15.5 0.0 34.8



#35
Dibromofluoromethane
Concen: 51.590 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

Tgt Ion:113 Resp: 170222
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 15.8 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.193 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081294.D

Acq: 04 Mar 2024 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0304MBL01

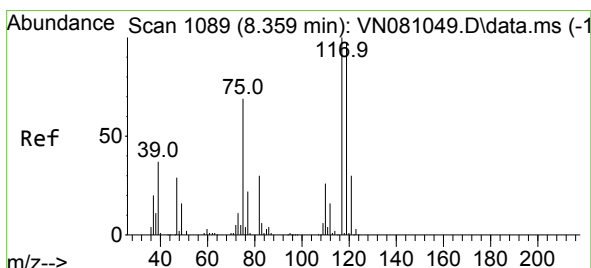
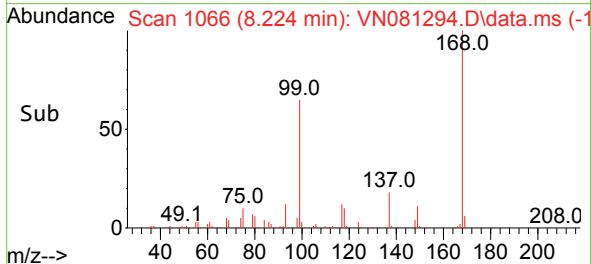
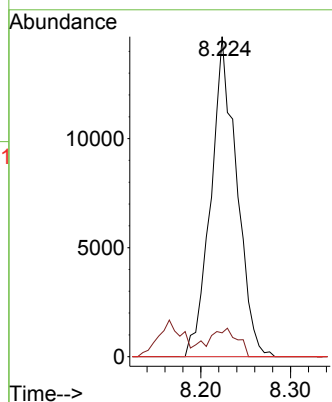
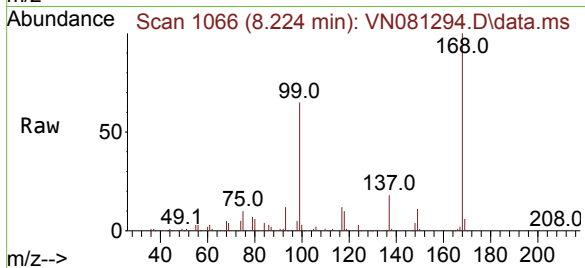
Tgt Ion: 75 Resp: 29355

Ion Ratio Lower Upper

75 100

110 9.8 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.674 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.130 min

Lab File: VN081294.D

Acq: 04 Mar 2024 10:44

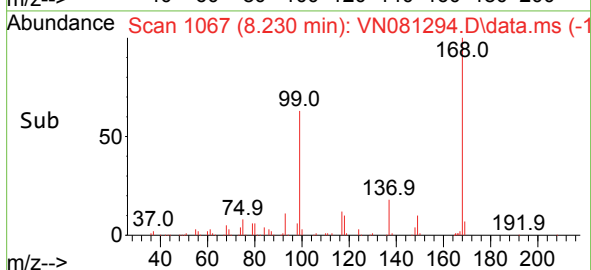
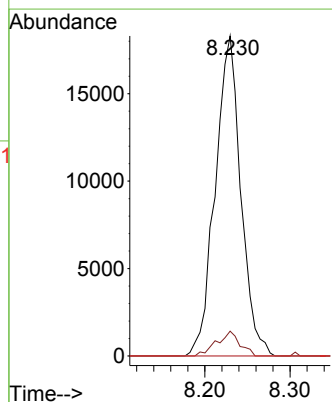
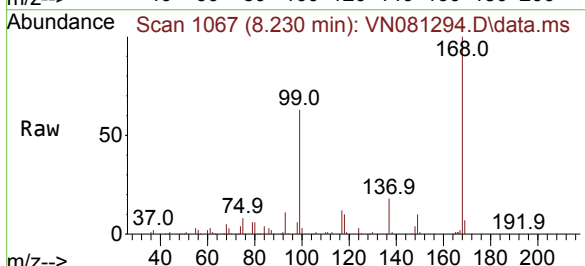
Tgt Ion: 117 Resp: 38168

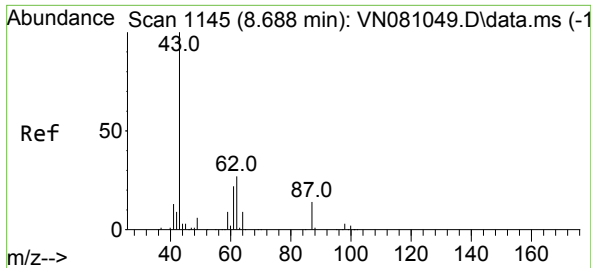
Ion Ratio Lower Upper

117 100

119 7.7 73.4 110.2#

121 0.0 24.4 36.6#

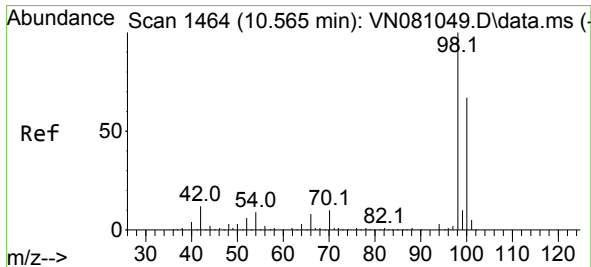
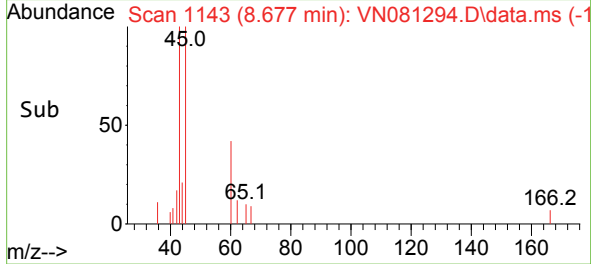
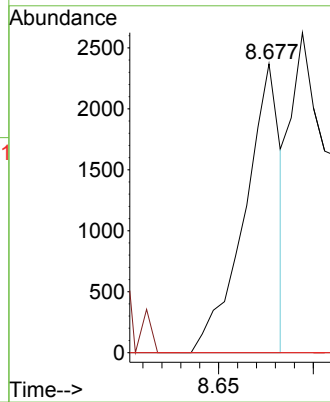
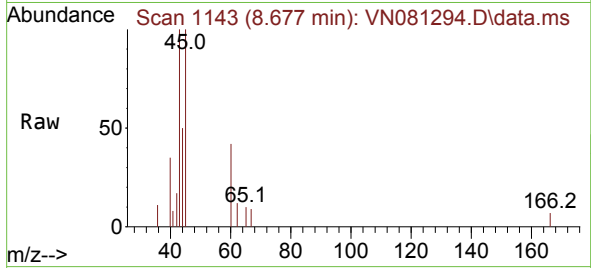




#43
Isopropyl Acetate
Concen: 0.348 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

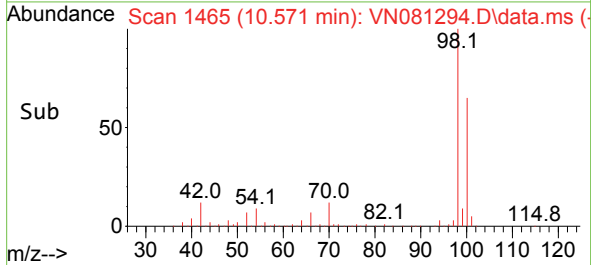
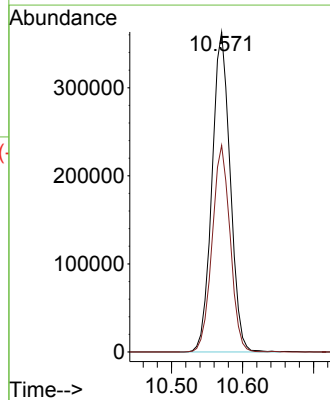
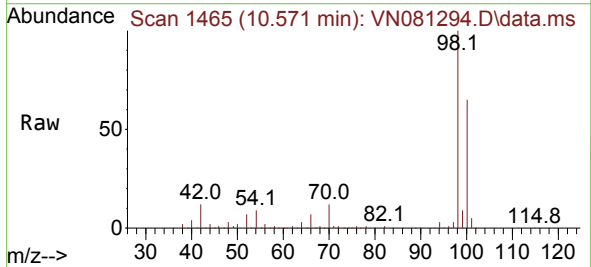
Instrument :
MSVOA_N
ClientSampleId :
VN0304MBL01

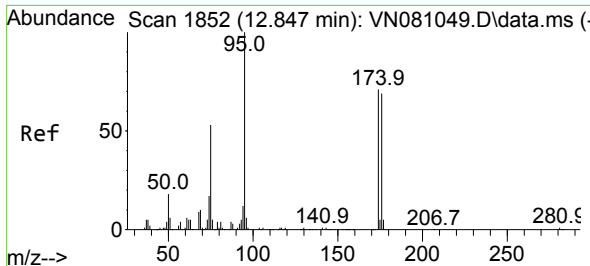
Tgt Ion: 43 Resp: 3109
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#50
Toluene-d8
Concen: 55.059 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

Tgt Ion: 98 Resp: 645236
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0

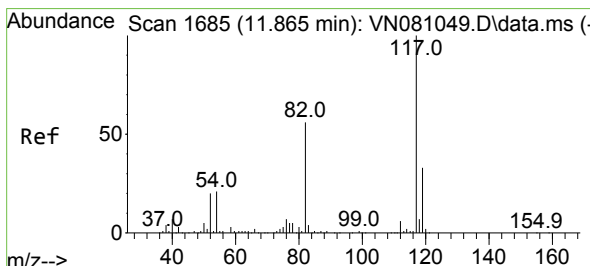
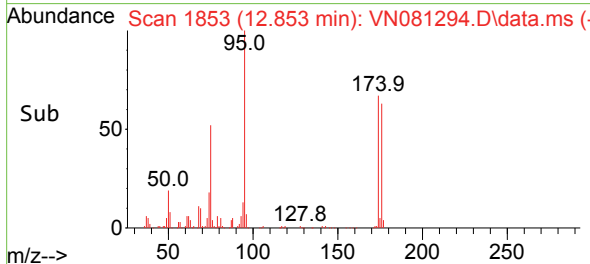
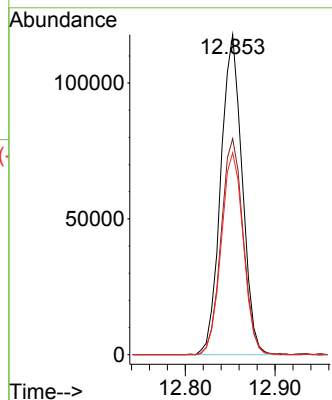
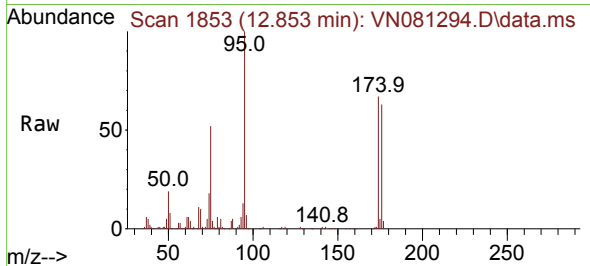




#62
4-Bromofluorobenzene
Concen: 44.314 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

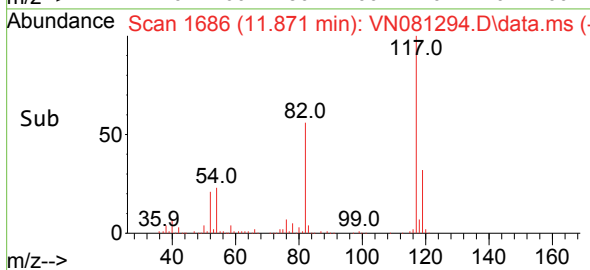
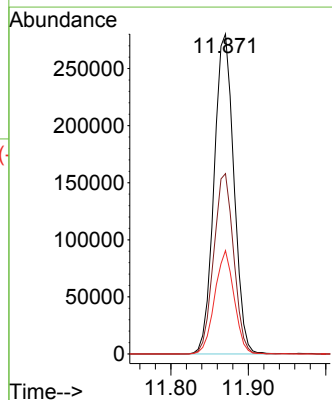
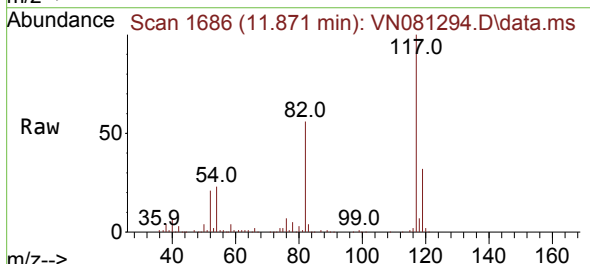
Instrument :
MSVOA_N
ClientSampleId :
VN0304MBL01

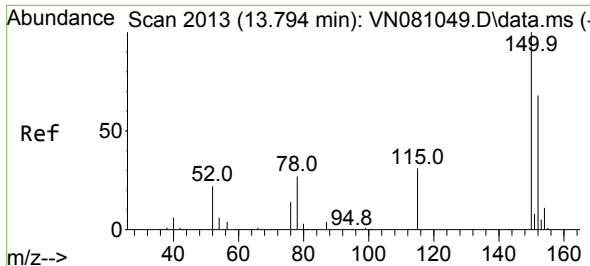
Tgt Ion: 95 Resp: 195133
Ion Ratio Lower Upper
95 100
174 69.6 0.0 120.4
176 65.2 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

Tgt Ion: 117 Resp: 497499
Ion Ratio Lower Upper
117 100
82 56.3 52.7 79.1
119 32.3 25.3 37.9

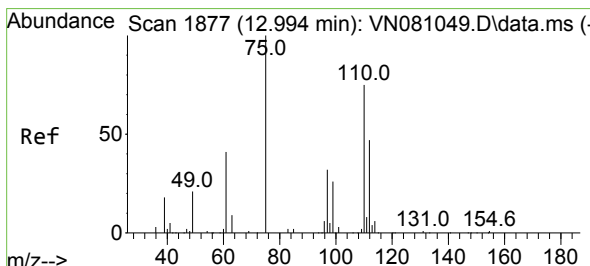
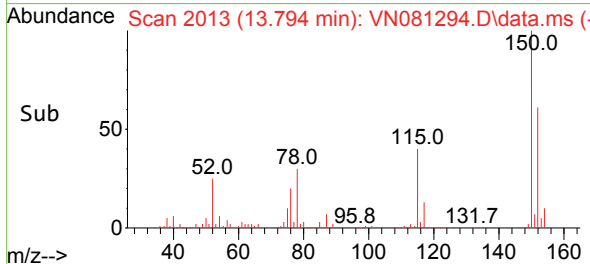
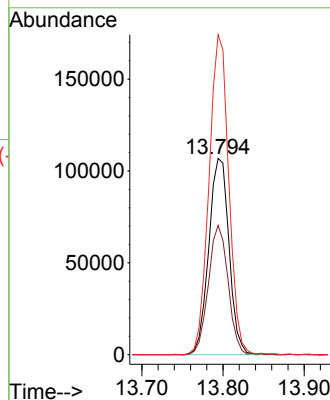
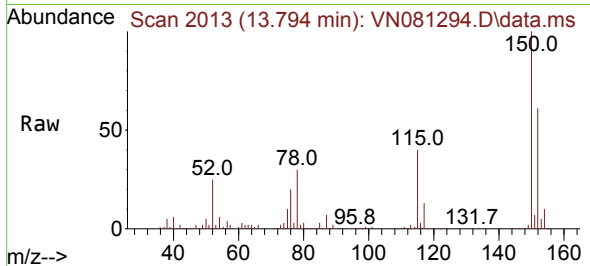




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN081294.D
 Acq: 04 Mar 2024 10:44

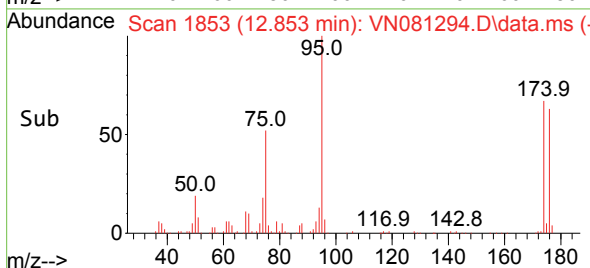
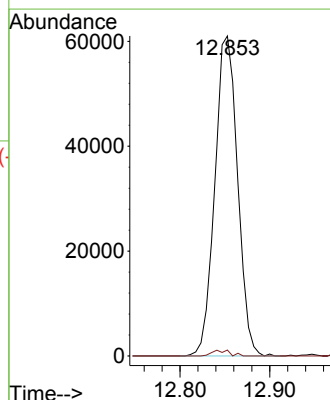
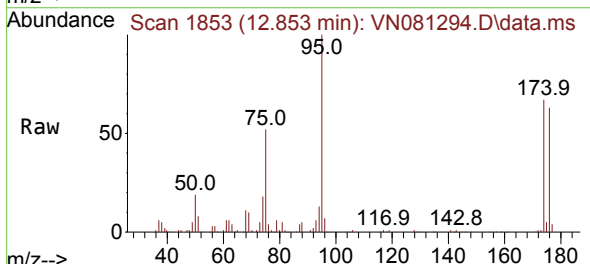
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304MBL01

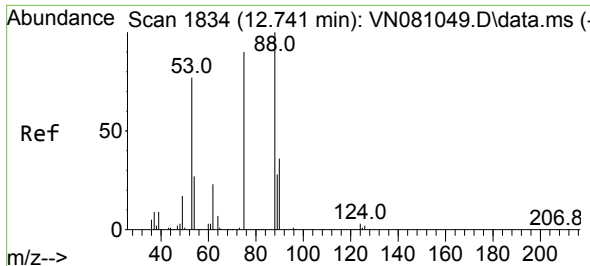
Tgt Ion:152 Resp: 185150
 Ion Ratio Lower Upper
 152 100
 115 64.3 32.3 96.8
 150 159.0 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 25.513 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081294.D
 Acq: 04 Mar 2024 10:44

Tgt Ion: 75 Resp: 107326
 Ion Ratio Lower Upper
 75 100
 77 1.4 91.0 272.8#

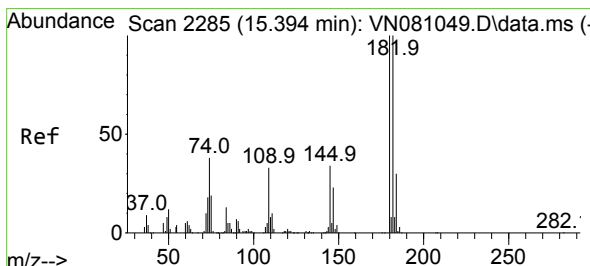
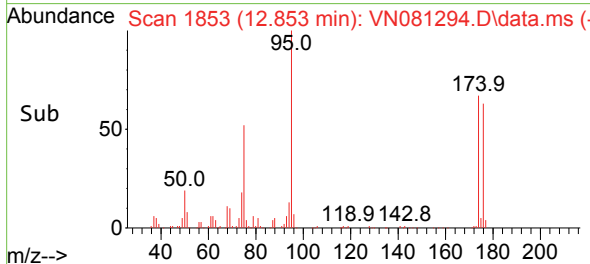
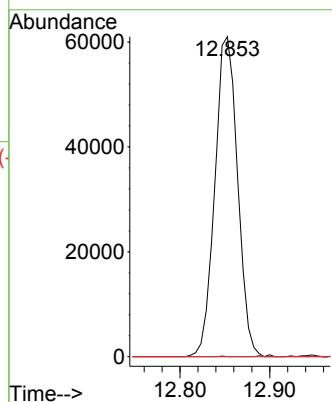
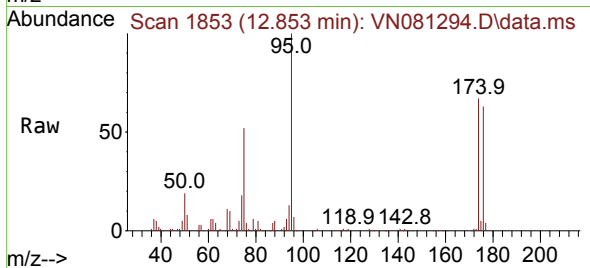




#81
trans-1,4-Dichloro-2-butene
Concen: 65.668 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

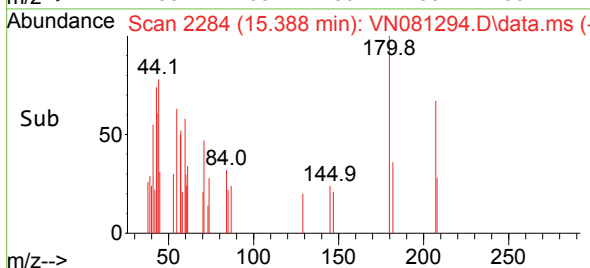
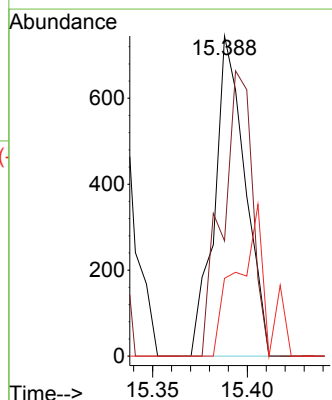
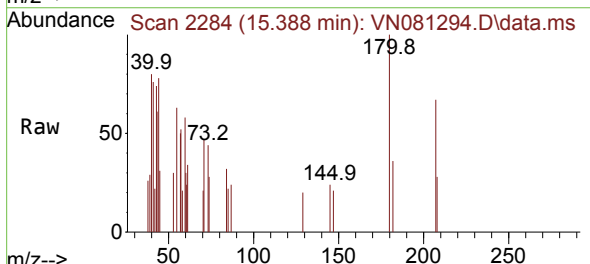
Instrument :
MSVOA_N
ClientSampleId :
VN0304MBL01

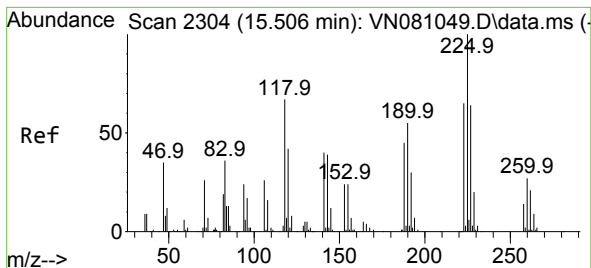
Tgt Ion: 75 Resp: 107326
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.229 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.006 min
Lab File: VN081294.D
Acq: 04 Mar 2024 10:44

Tgt Ion:180 Resp: 840
Ion Ratio Lower Upper
180 100
182 86.7 46.6 139.7
145 45.4 16.8 50.3





#94

Hexachlorobutadiene

Concen: 0.467 ug/l

RT: 15.506 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN081294.D

Acq: 04 Mar 2024 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0304MBL01

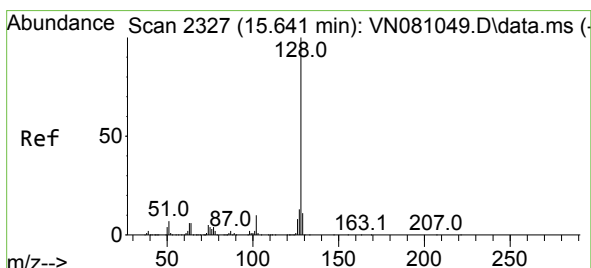
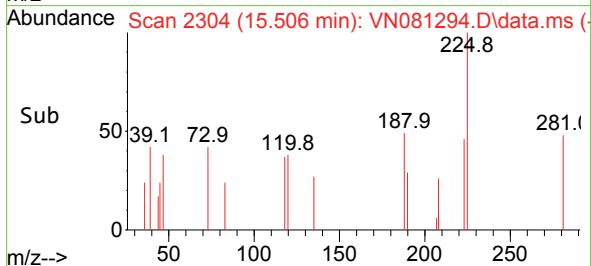
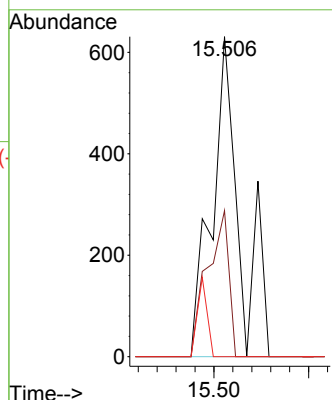
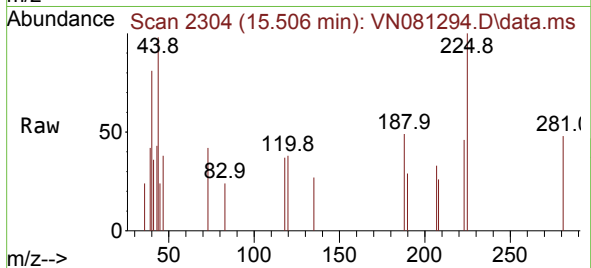
Tgt Ion:225 Resp: 639

Ion Ratio Lower Upper

225 100

223 35.4 33.3 99.8

227 8.6 33.1 99.2#



#95

Naphthalene

Concen: 0.287 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN081294.D

Acq: 04 Mar 2024 10:44

Tgt Ion:128 Resp: 3858

Ion Ratio Lower Upper

128 100

127 5.7 10.0 15.0#

129 1.9 8.7 13.1#

