

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031224\
 Data File : VN081377.D
 Acq On : 12 Mar 2024 17:02
 Operator : JC\MD
 Sample : P1734-05 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1342

Quant Time: Mar 13 04:54:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

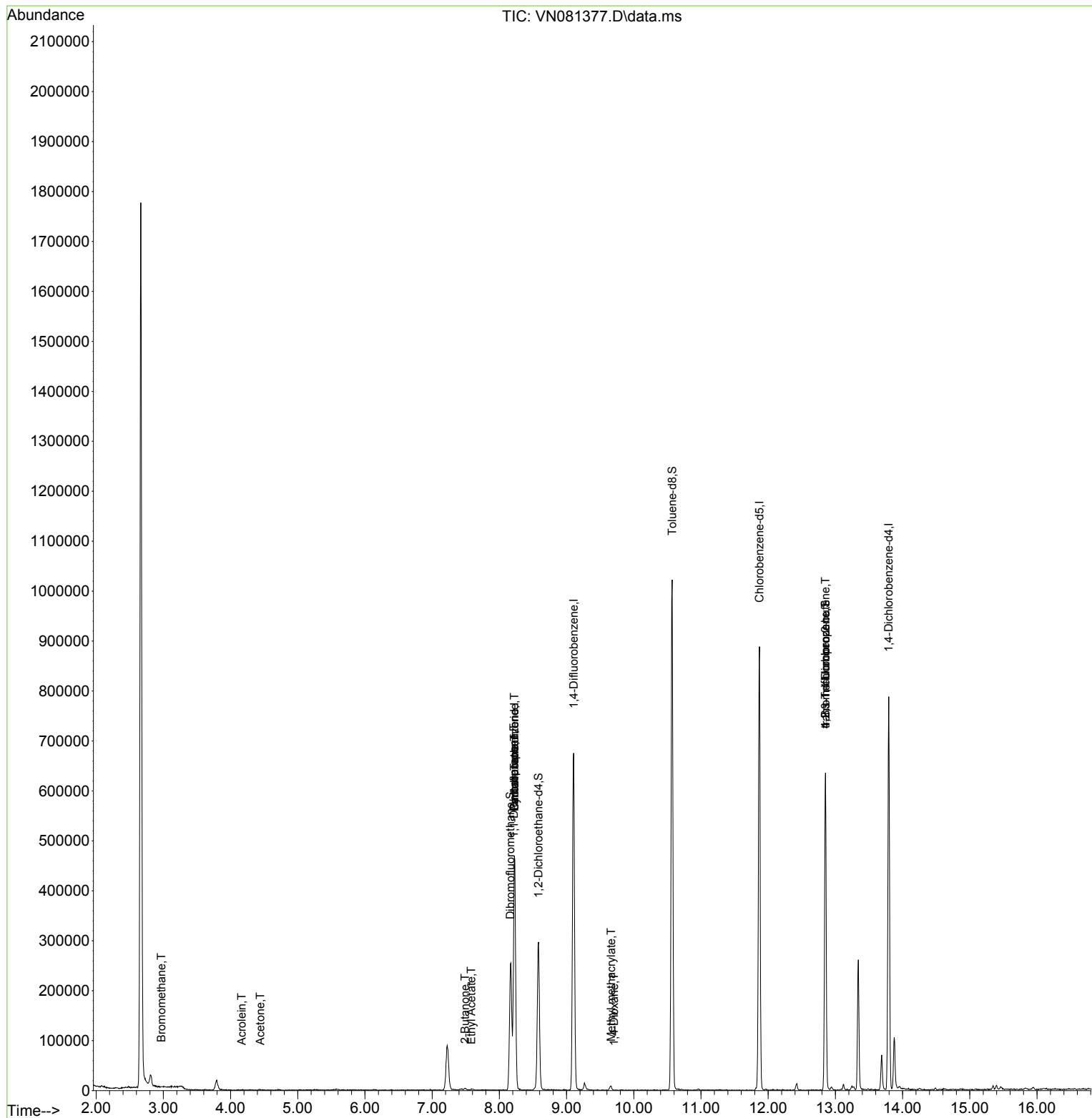
Internal Standards						
1) Pentafluorobenzene	8.224	168	319828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	581842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	488309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	240090	51.919	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.840%	
35) Dibromofluoromethane	8.165	113	181168	50.822	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.640%	
50) Toluene-d8	10.571	98	680194	51.043	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.080%	
62) 4-Bromofluorobenzene	12.853	95	215950	45.850	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 91.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	748	0.234	ug/l #	60
13) Acrolein	4.165	56	242	0.253	ug/l #	15
16) Acetone	4.442	43	2371	1.447	ug/l #	89
20) Methylene Chloride	5.283	84	391	Below Cal	#	41
25) 2-Butanone	7.488	43	5617	2.047	ug/l #	85
31) Cyclohexane	8.224	56	9097	1.299	ug/l #	6
36) 1,1-Dichloropropene	8.218	75	29604	5.148	ug/l #	50
37) Ethyl Acetate	7.583	43	1205	0.214	ug/l #	2
38) Carbon Tetrachloride	8.224	117	35859	6.195	ug/l #	19
48) Methyl methacrylate	9.665	41	3127	0.719	ug/l #	46
49) 1,4-Dioxane	9.706	88	127	1.325	ug/l #	18
76) 1,2,3-Trichloropropane	12.853	75	120302	25.977	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	120302	72.498	ug/l #	14

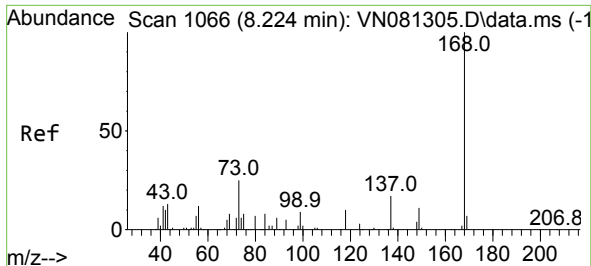
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1342

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QLast Update : Wed Mar 06 03:12:57 2024
Response via : Initial Calibration

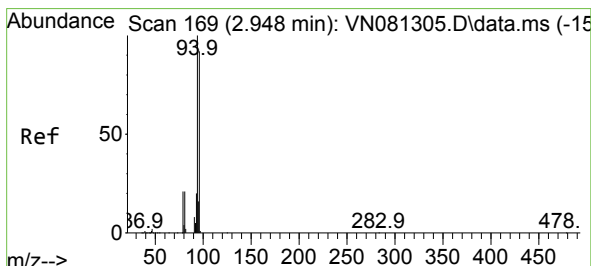
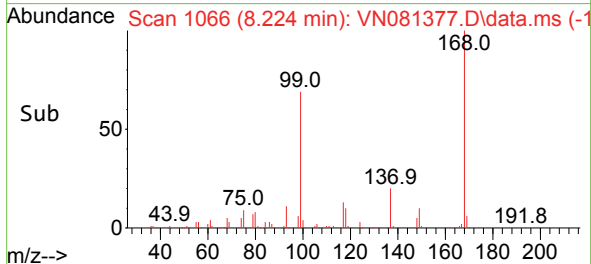
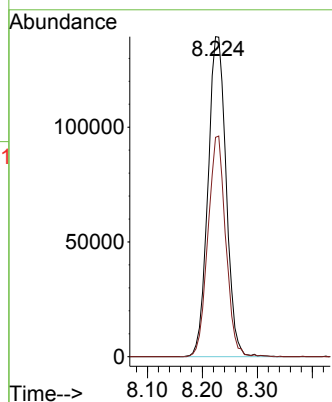
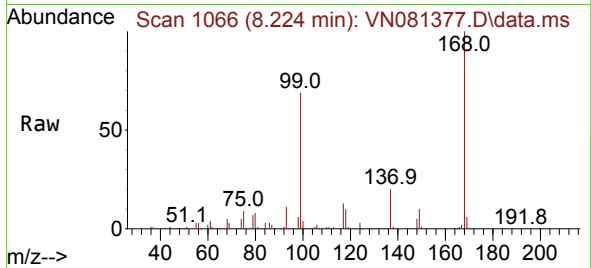




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081377.D
Acq: 12 Mar 2024 17:02

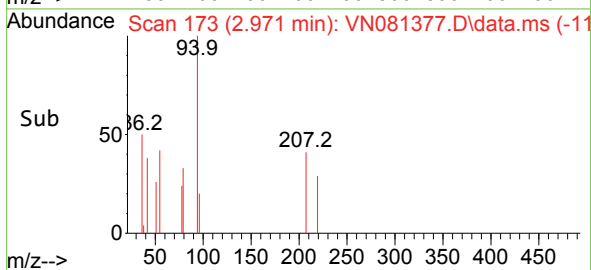
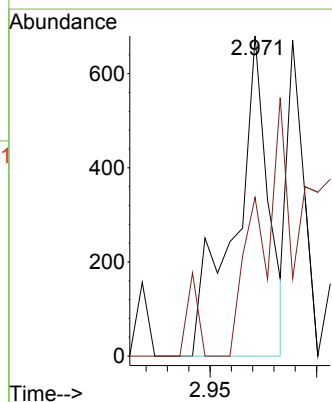
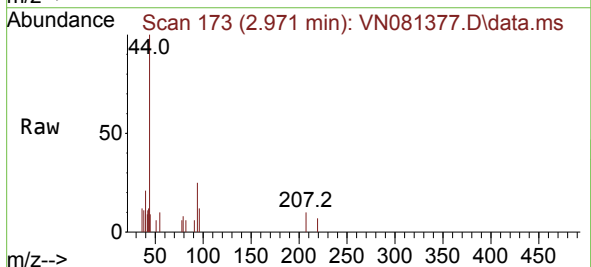
Instrument :
MSVOA_N
ClientSampleId :
1342

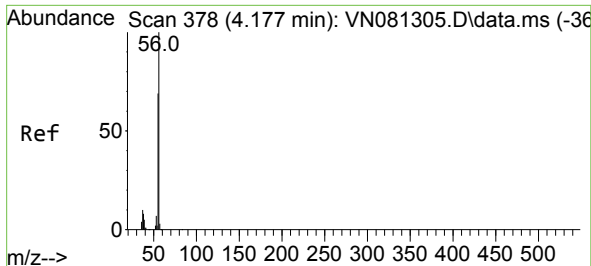
Tgt Ion:168 Resp: 319828
Ion Ratio Lower Upper
168 100
99 68.6 59.9 89.9



#5
Bromomethane
Concen: 0.234 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN081377.D
Acq: 12 Mar 2024 17:02

Tgt Ion: 94 Resp: 748
Ion Ratio Lower Upper
94 100
96 49.6 69.2 103.8#





#13

Acrolein

Concen: 0.253 ug/l

RT: 4.165 min Scan# 31

Delta R.T. -0.012 min

Lab File: VN081377.D

Acq: 12 Mar 2024 17:02

Instrument :

MSVOA_N

ClientSampleId :

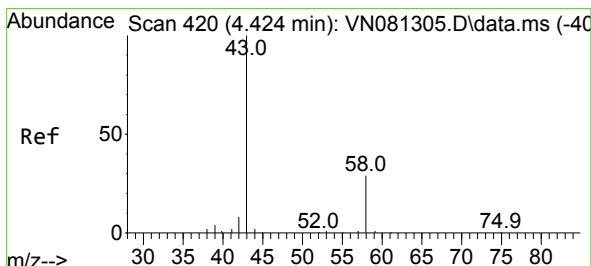
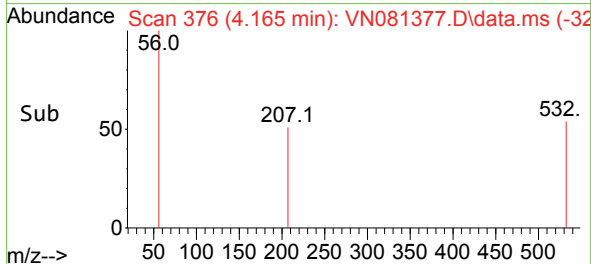
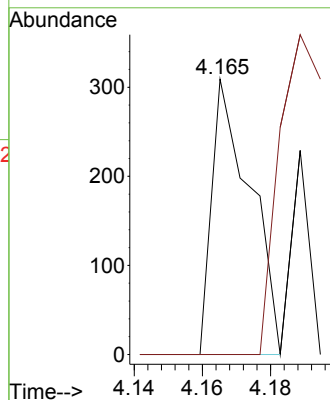
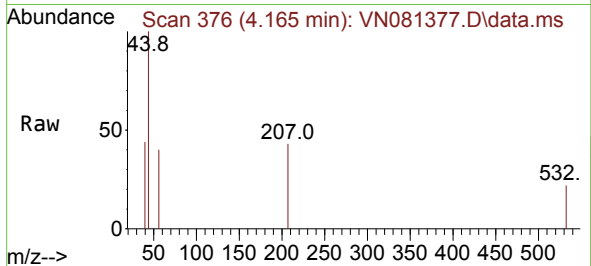
1342

Tgt Ion: 56 Resp: 242

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 1.447 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.018 min

Lab File: VN081377.D

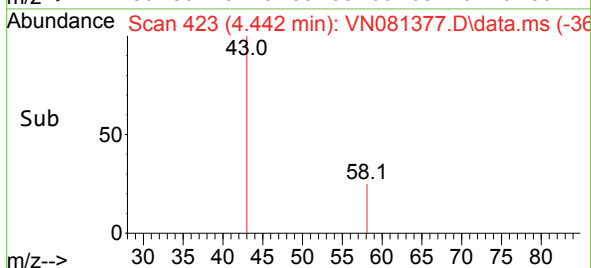
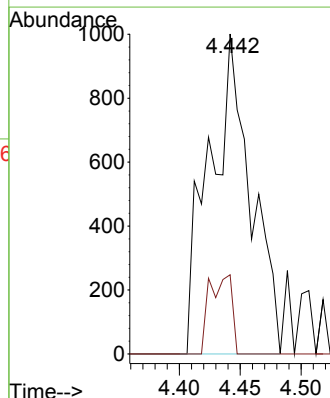
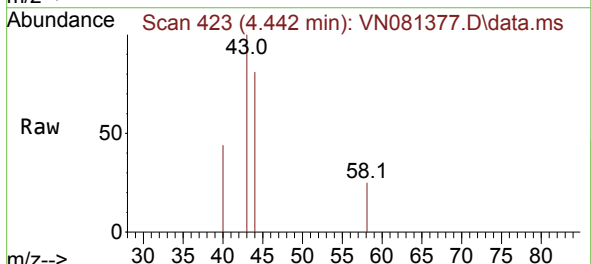
Acq: 12 Mar 2024 17:02

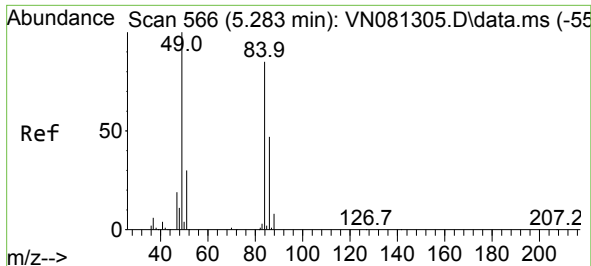
Tgt Ion: 43 Resp: 2371

Ion Ratio Lower Upper

43 100

58 24.8 24.8 37.2#

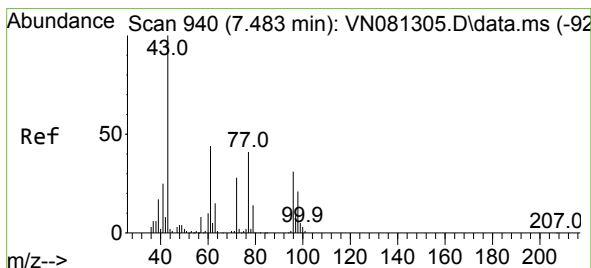
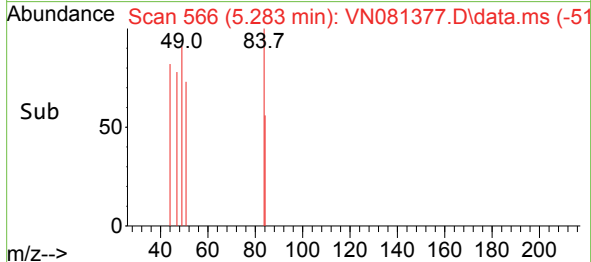
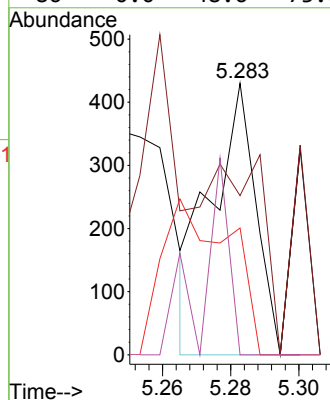
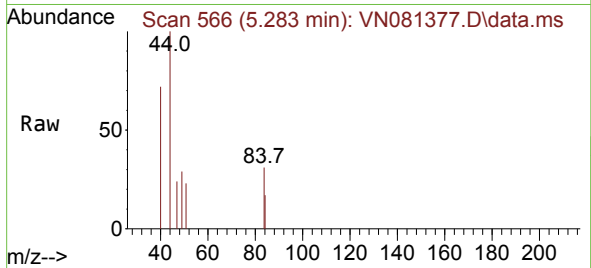




#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 50
Delta R.T. -0.000 min
Lab File: VN081377.D
Acq: 12 Mar 2024 17:02

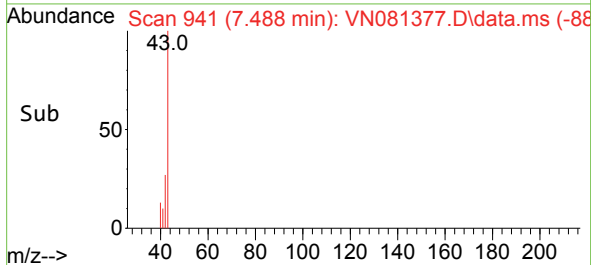
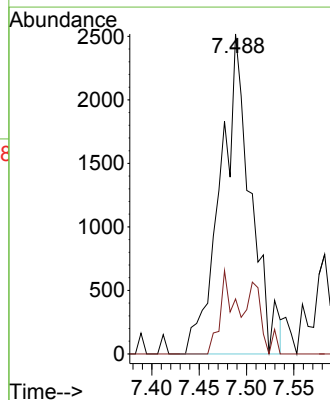
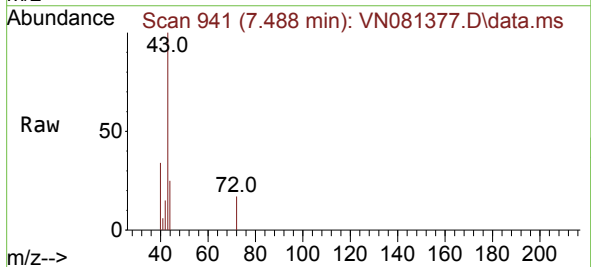
Instrument :
MSVOA_N
ClientSampleId :
1342

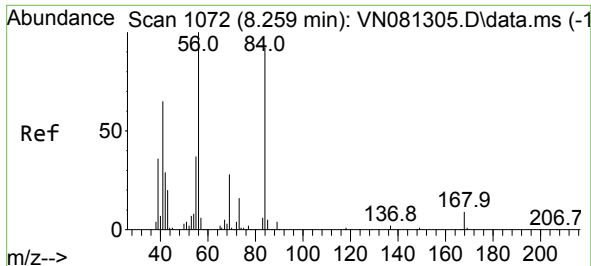
Tgt Ion: 84 Resp: 391
Ion Ratio Lower Upper
84 100
49 58.6 108.1 162.1#
51 46.7 32.9 49.3
86 0.0 48.6 73.0#



#25
2-Butanone
Concen: 2.047 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081377.D
Acq: 12 Mar 2024 17:02

Tgt Ion: 43 Resp: 5617
Ion Ratio Lower Upper
43 100
72 17.2 19.5 29.3#

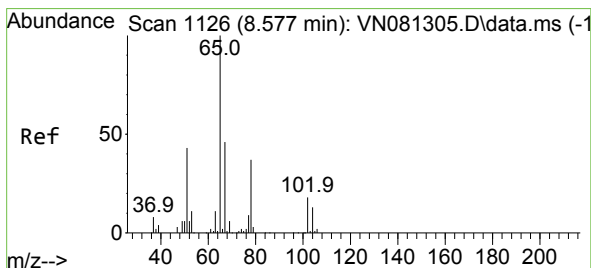
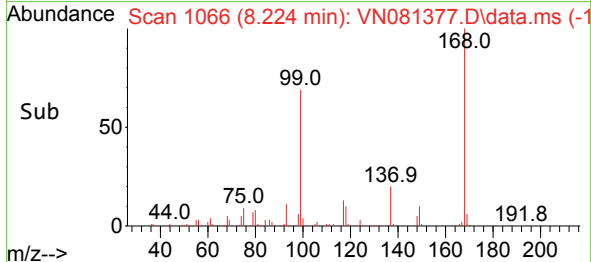
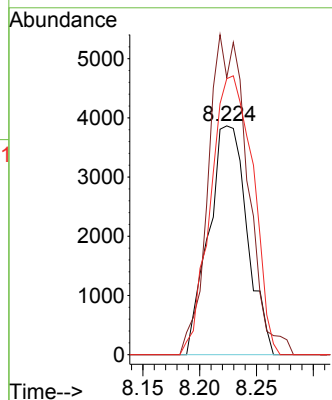
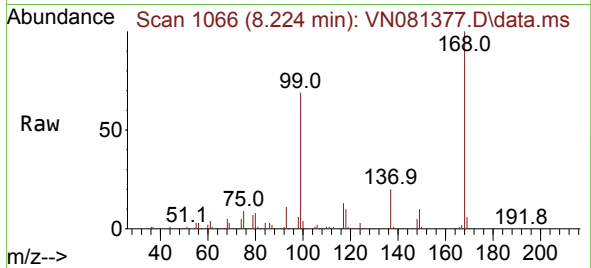




#31
Cyclohexane
Concen: 1.299 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081377.D
Acq: 12 Mar 2024 17:02

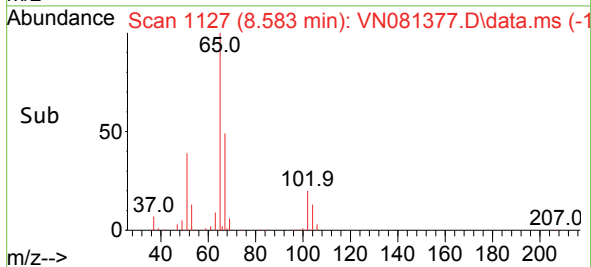
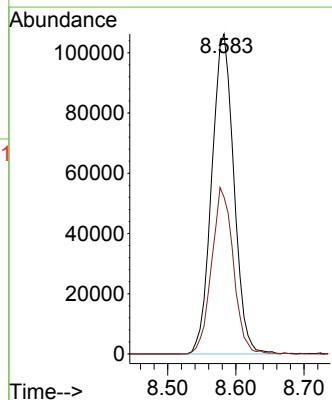
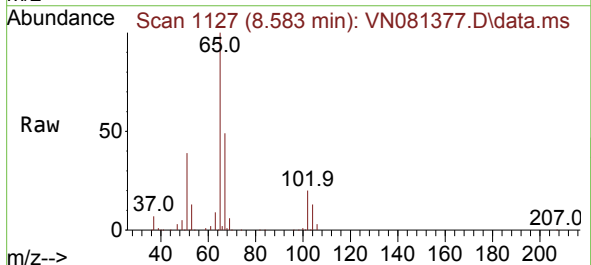
Instrument :
MSVOA_N
ClientSampleId :
1342

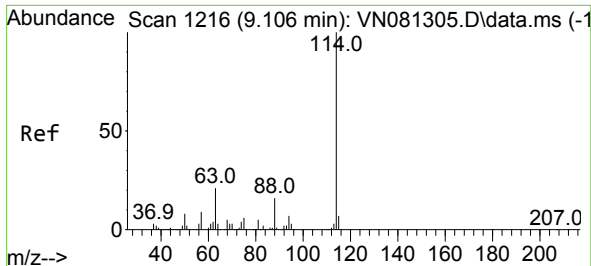
Tgt Ion: 56 Resp: 9097
Ion Ratio Lower Upper
56 100
69 121.1 20.1 30.1#
84 120.7 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 51.919 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081377.D
Acq: 12 Mar 2024 17:02

Tgt Ion: 65 Resp: 240090
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.4

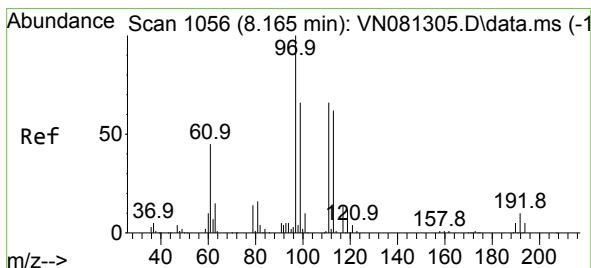
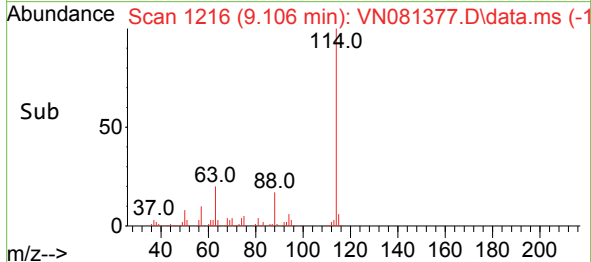
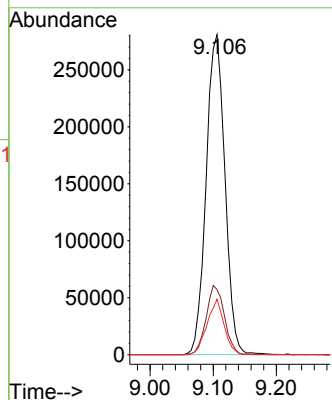
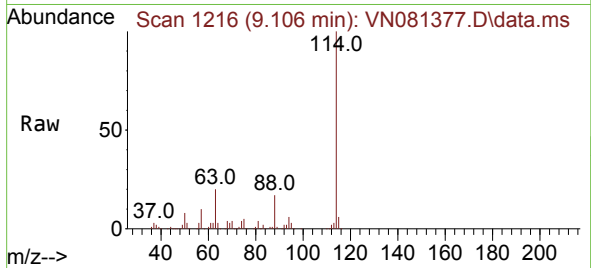




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN081377.D
Acq: 12 Mar 2024 17:02

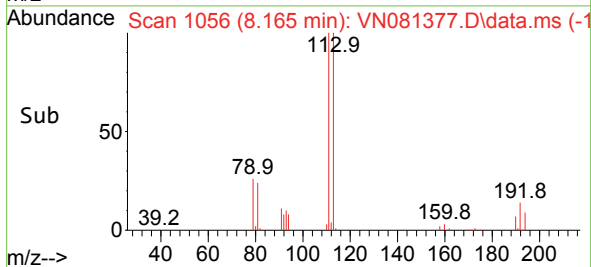
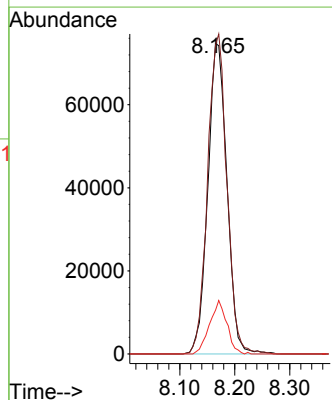
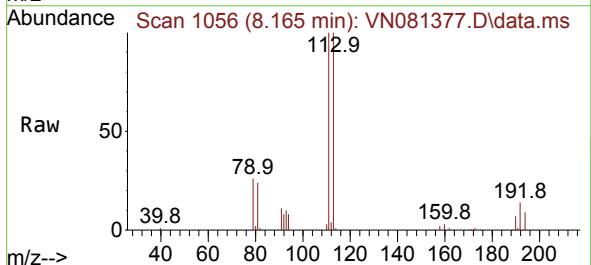
Instrument :
MSVOA_N
ClientSampleId :
1342

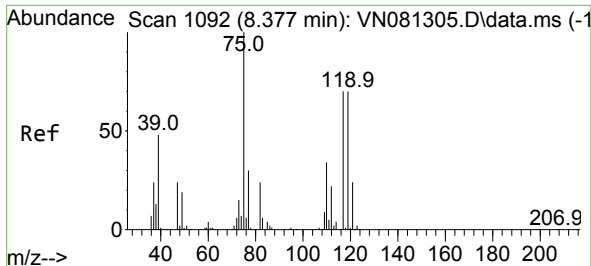
Tgt Ion:114 Resp: 581842
Ion Ratio Lower Upper
114 100
63 20.3 0.0 48.0
88 17.4 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.822 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081377.D
Acq: 12 Mar 2024 17:02

Tgt Ion:113 Resp: 181168
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 15.6 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.148 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.159 min

Lab File: VN081377.D

Acq: 12 Mar 2024 17:02

Instrument :

MSVOA_N

ClientSampleId :

1342

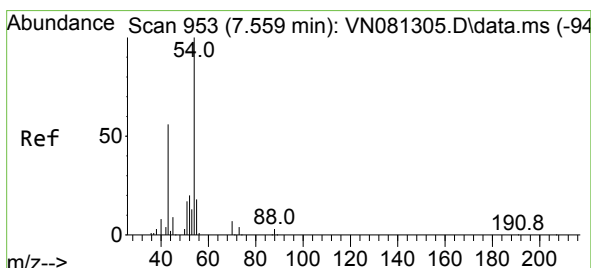
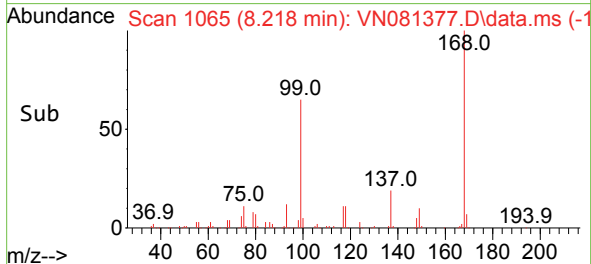
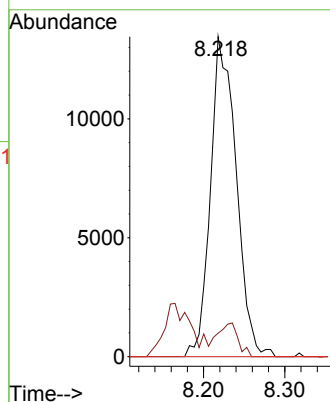
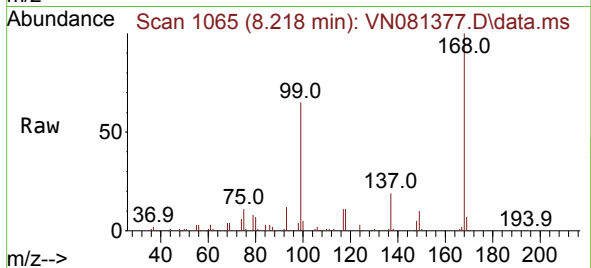
Tgt Ion: 75 Resp: 29604

Ion Ratio Lower Upper

75 100

110 8.6 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 0.214 ug/l

RT: 7.583 min Scan# 957

Delta R.T. 0.024 min

Lab File: VN081377.D

Acq: 12 Mar 2024 17:02

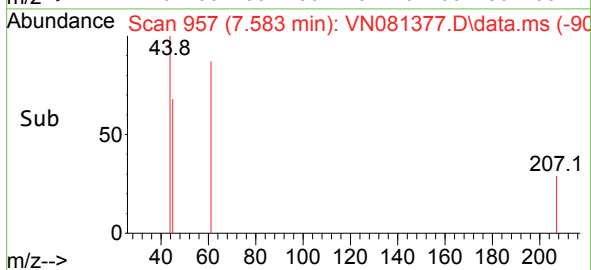
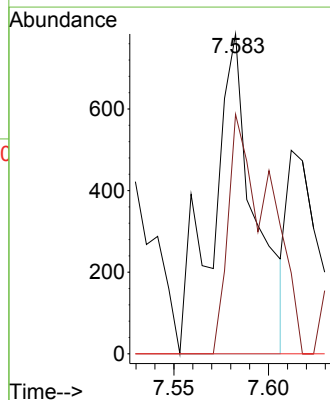
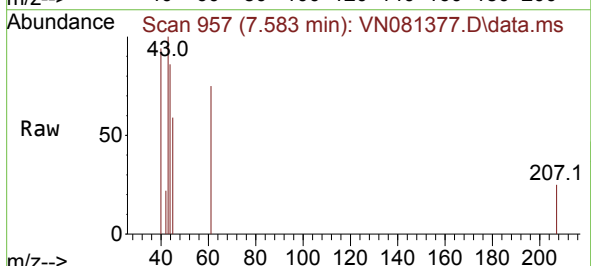
Tgt Ion: 43 Resp: 1205

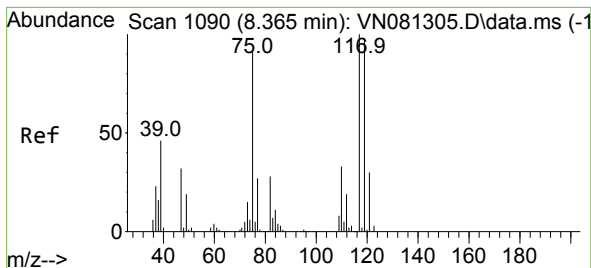
Ion Ratio Lower Upper

43 100

61 73.9 10.6 15.8#

70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 6.195 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081377.D

Acq: 12 Mar 2024 17:02

Instrument :

MSVOA_N

ClientSampleId :

1342

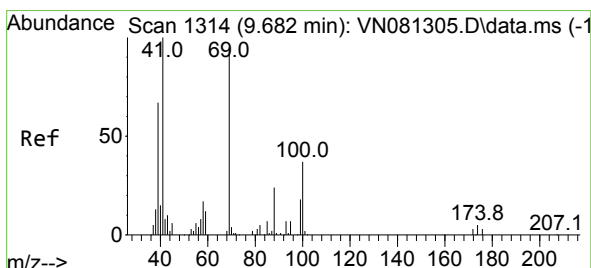
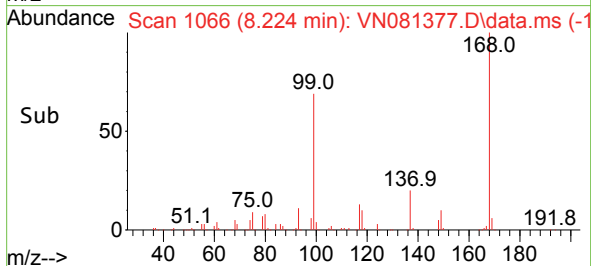
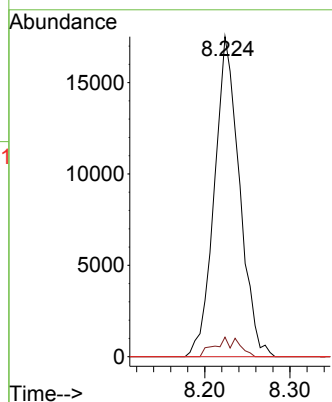
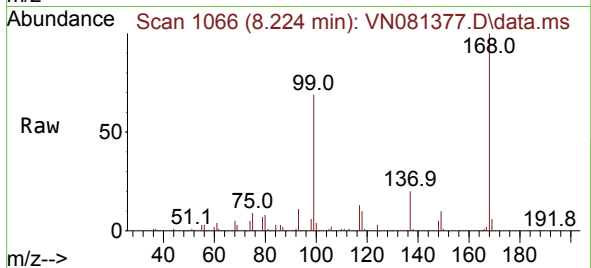
Tgt Ion:117 Resp: 35859

Ion Ratio Lower Upper

117 100

119 6.1 73.4 110.2#

121 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 0.719 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN081377.D

Acq: 12 Mar 2024 17:02

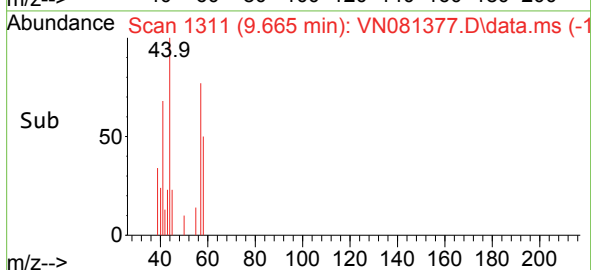
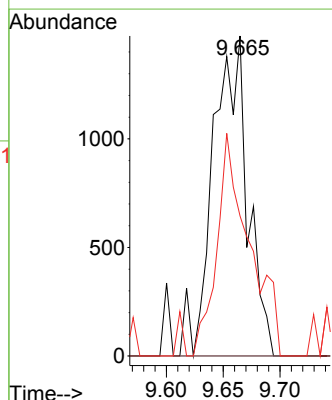
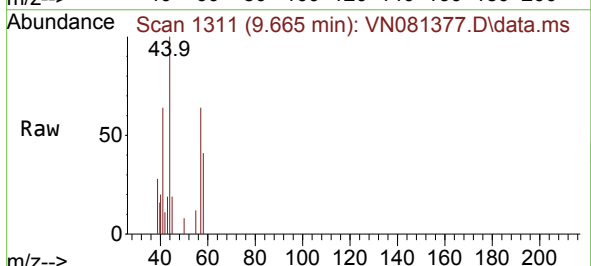
Tgt Ion: 41 Resp: 3127

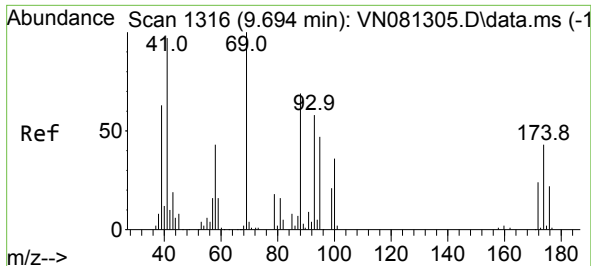
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 65.2 47.6 71.4





#49

1,4-Dioxane

Concen: 1.325 ug/l

RT: 9.706 min Scan# 1316

Delta R.T. 0.012 min

Lab File: VN081377.D

Acq: 12 Mar 2024 17:02

Instrument :

MSVOA_N

ClientSampleId :

1342

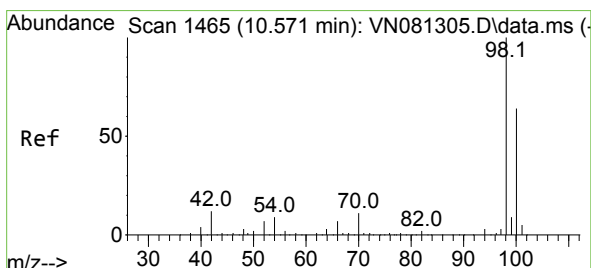
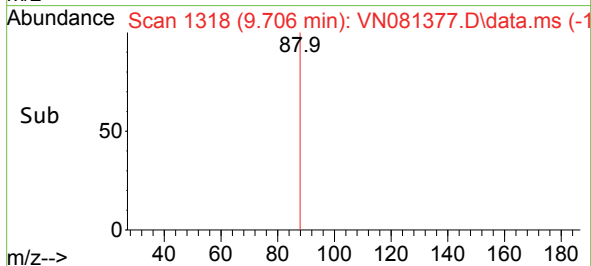
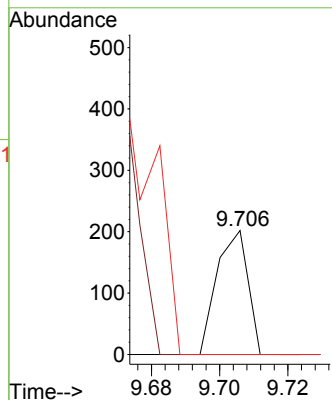
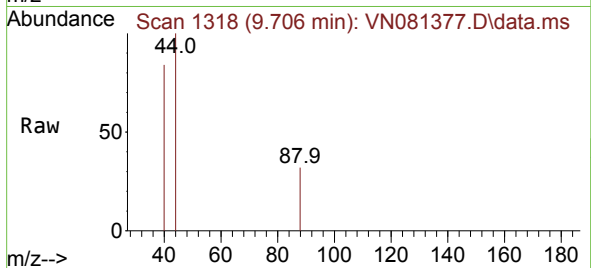
Tgt Ion: 88 Resp: 127

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 51.043 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081377.D

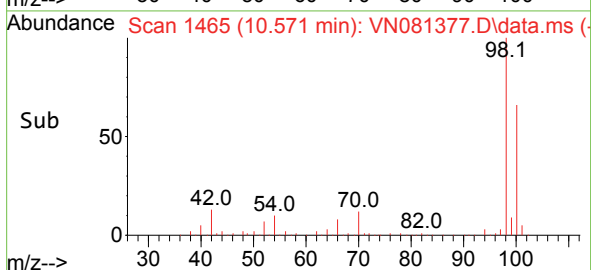
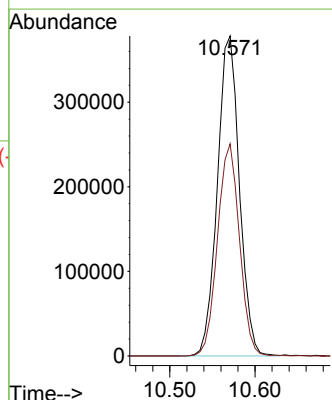
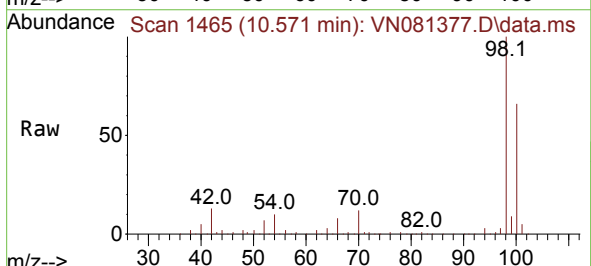
Acq: 12 Mar 2024 17:02

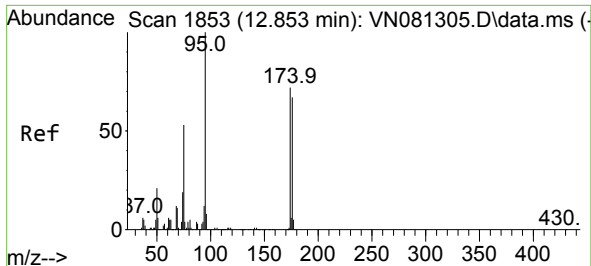
Tgt Ion: 98 Resp: 680194

Ion Ratio Lower Upper

98 100

100 66.1 51.4 77.0

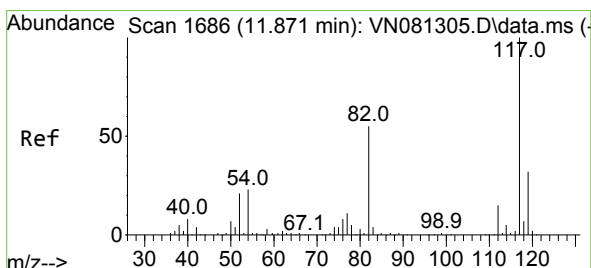
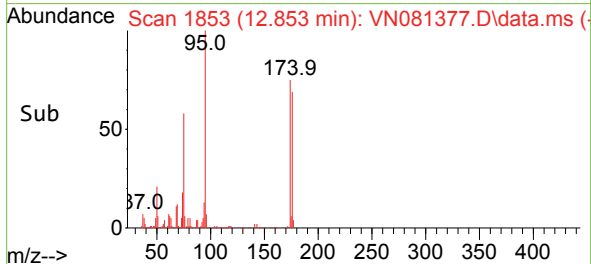
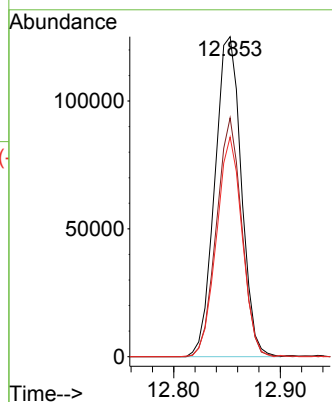
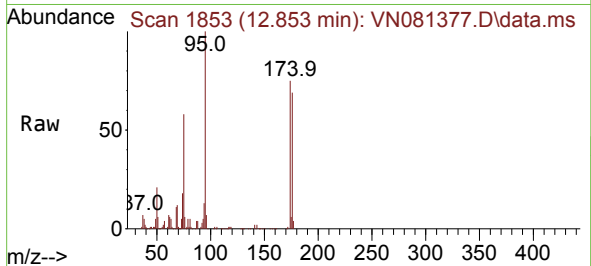




#62
4-Bromofluorobenzene
Concen: 45.850 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081377.D
Acq: 12 Mar 2024 17:02

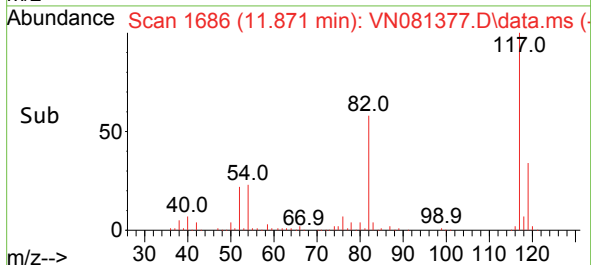
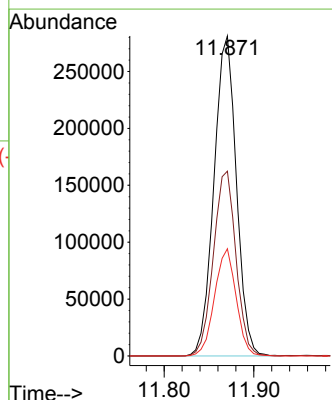
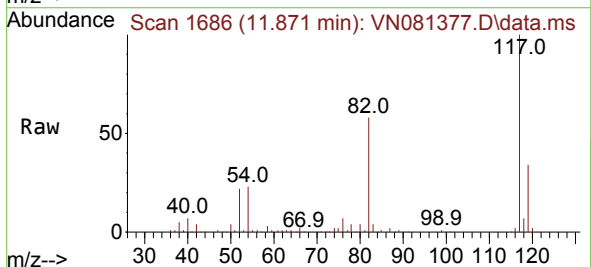
Instrument :
MSVOA_N
ClientSampleId :
1342

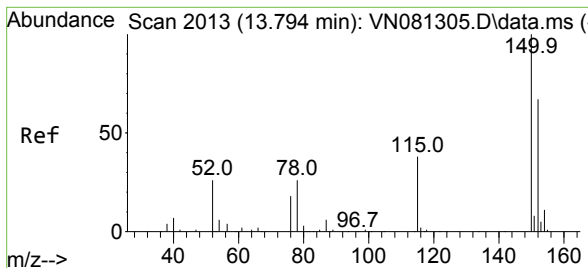
Tgt Ion: 95 Resp: 215950
Ion Ratio Lower Upper
95 100
174 71.1 0.0 120.4
176 66.5 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN081377.D
Acq: 12 Mar 2024 17:02

Tgt Ion: 117 Resp: 488309
Ion Ratio Lower Upper
117 100
82 57.8 52.7 79.1
119 33.5 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081377.D

Acq: 12 Mar 2024 17:02

Instrument :

MSVOA_N

ClientSampleId :

1342

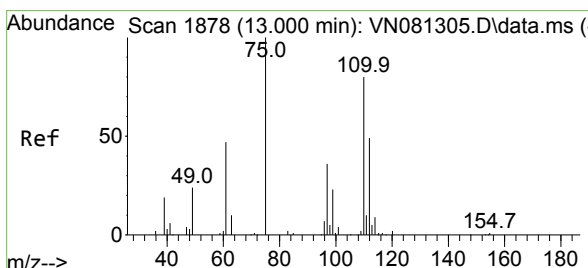
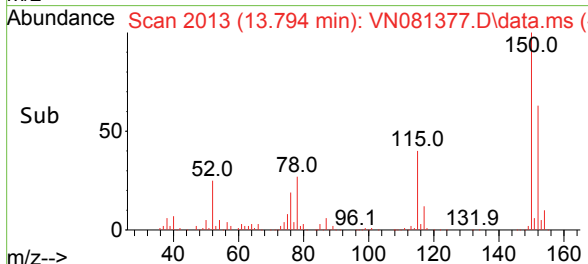
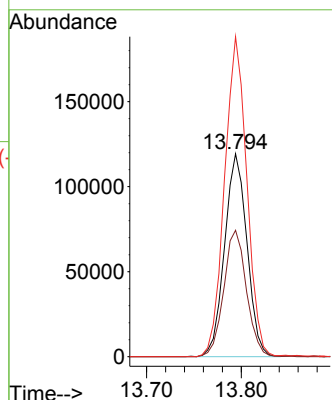
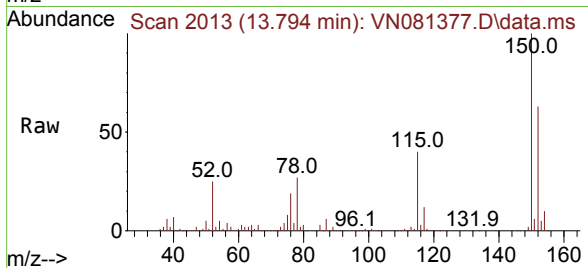
Tgt Ion:152 Resp: 196068

Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

150 156.6 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 25.977 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN081377.D

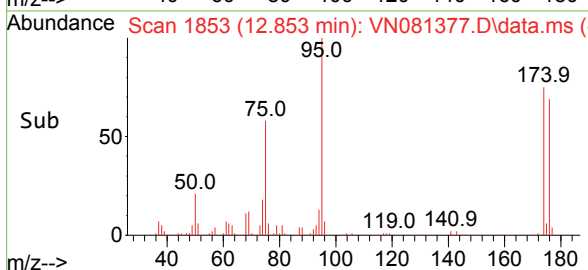
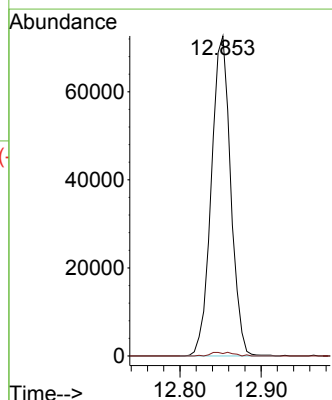
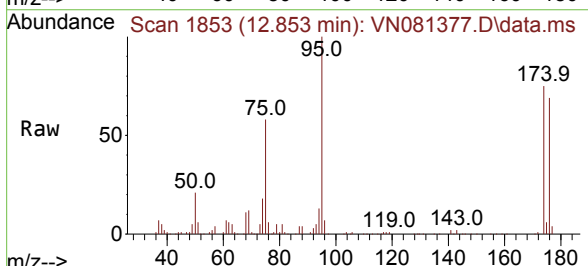
Acq: 12 Mar 2024 17:02

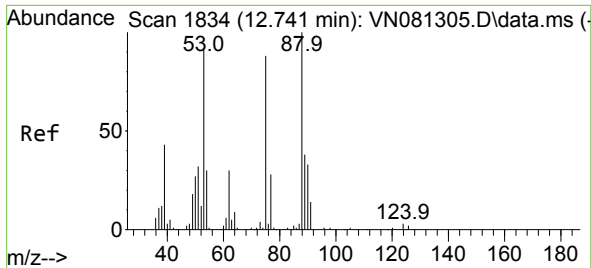
Tgt Ion: 75 Resp: 120302

Ion Ratio Lower Upper

75 100

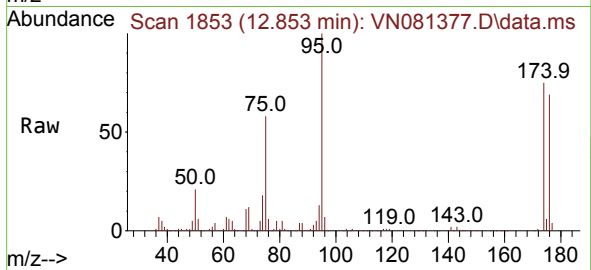
77 1.3 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.498 ug/l
 RT: 12.853 min Scan# 11342
 Delta R.T. 0.112 min
 Lab File: VN081377.D
 Acq: 12 Mar 2024 17:02

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 120302
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#

