

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031224\
 Data File : VN081380.D
 Acq On : 12 Mar 2024 18:14
 Operator : JC\MD
 Sample : P1734-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1339

Quant Time: Mar 13 04:55:42 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)

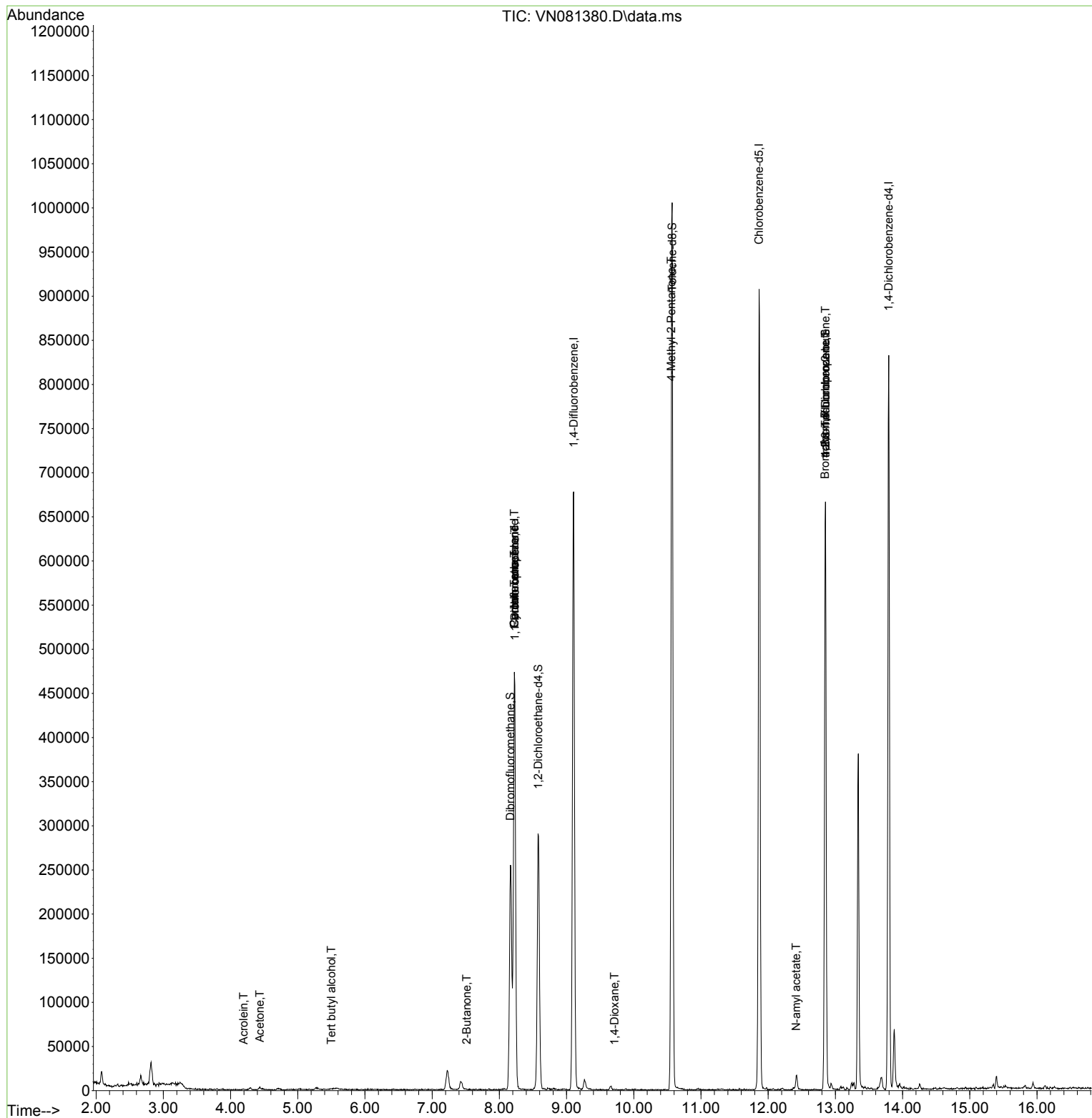
Internal Standards						
1) Pentafluorobenzene	8.224	168	316007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	580508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	511887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	236541	51.770	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 103.540%		
35) Dibromofluoromethane	8.165	113	182951	51.440	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.880%		
50) Toluene-d8	10.571	98	688798	51.808	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.620%		
62) 4-Bromofluorobenzene	12.853	95	224354	47.744	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	= 95.480%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.500	59	414	0.518	ug/l #	72
13) Acrolein	4.195	56	587	0.620	ug/l #	50
16) Acetone	4.436	43	4311	2.663	ug/l #	82
20) Methylene Chloride	5.271	84	756	Below Cal	#	74
25) 2-Butanone	7.512	43	645	0.238	ug/l #	51
31) Cyclohexane	8.224	56	9607	1.389	ug/l #	14
36) 1,1-Dichloropropene	8.230	75	30353	5.290	ug/l #	50
38) Carbon Tetrachloride	8.224	117	37614	6.513	ug/l #	18
49) 1,4-Dioxane	9.712	88	80	0.836	ug/l #	68
51) 4-Methyl-2-Pentanone	10.559	43	4217	0.740	ug/l #	1
71) Bromoform	12.847	173	1055	0.385	ug/l #	1
74) N-amyl acetate	12.418	43	4093	0.587	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	122565	25.217	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	122565	70.377	ug/l #	14

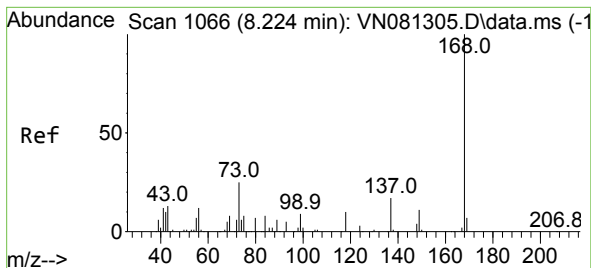
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081380.D

Acq: 12 Mar 2024 18:14

Instrument :

MSVOA_N

ClientSampleId :

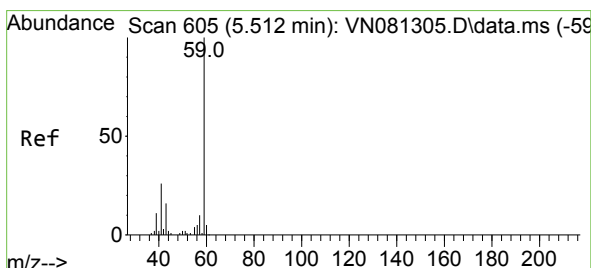
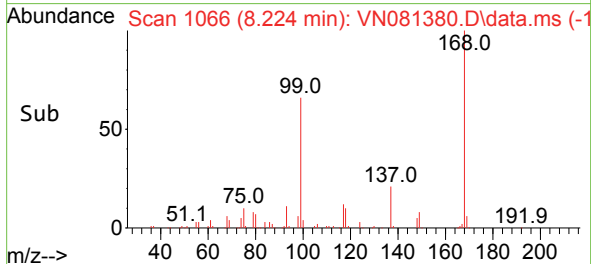
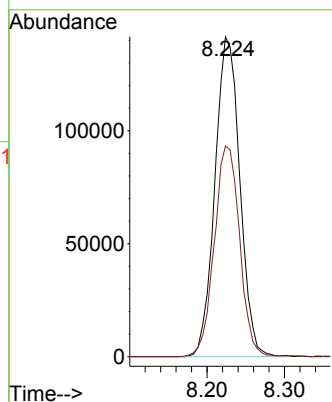
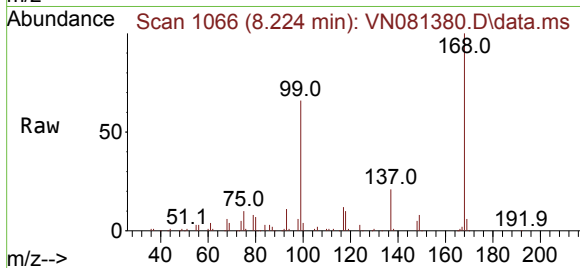
1339

Tgt Ion:168 Resp: 316007

Ion Ratio Lower Upper

168 100

99 65.9 59.9 89.9



#11

Tert butyl alcohol

Concen: 0.518 ug/l

RT: 5.500 min Scan# 603

Delta R.T. -0.012 min

Lab File: VN081380.D

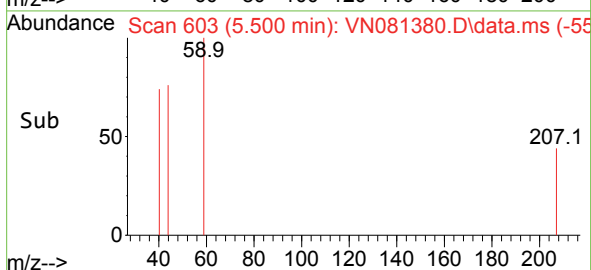
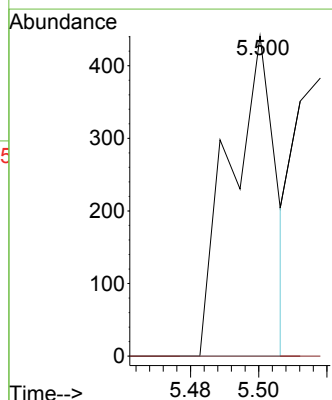
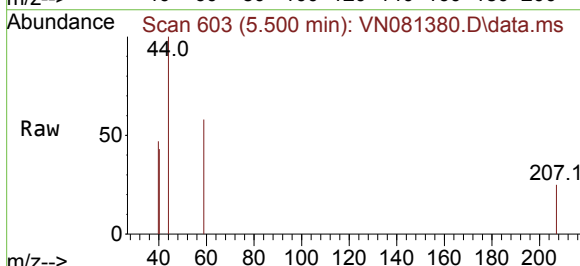
Acq: 12 Mar 2024 18:14

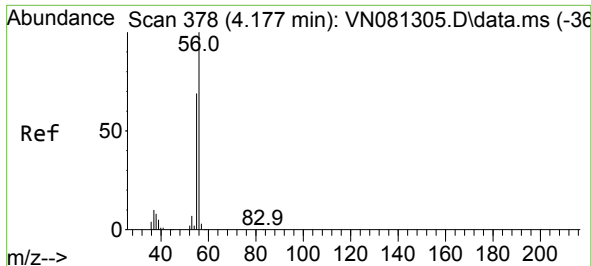
Tgt Ion: 59 Resp: 414

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.620 ug/l

RT: 4.195 min Scan# 381

Delta R.T. 0.018 min

Lab File: VN081380.D

Acq: 12 Mar 2024 18:14

Instrument :

MSVOA_N

ClientSampleId :

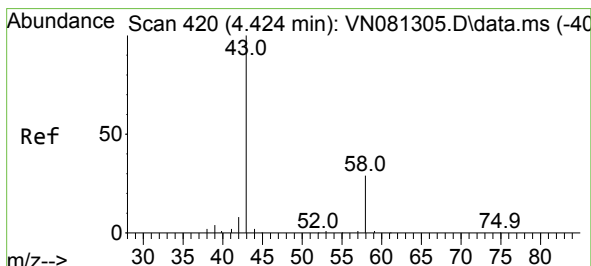
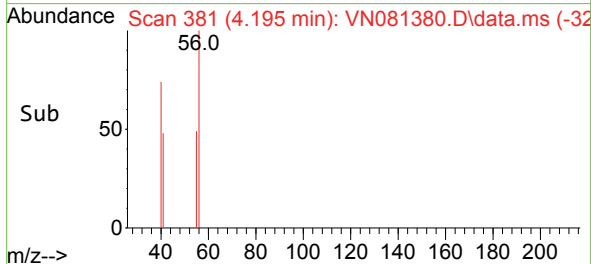
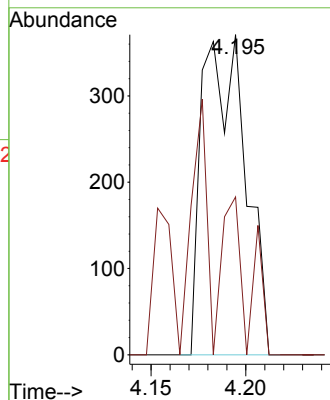
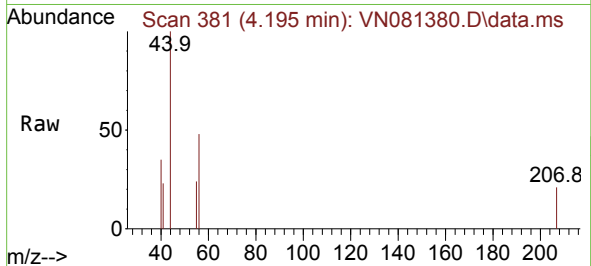
1339

Tgt Ion: 56 Resp: 587

Ion Ratio Lower Upper

56 100

55 28.3 55.3 82.9#



#16

Acetone

Concen: 2.663 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN081380.D

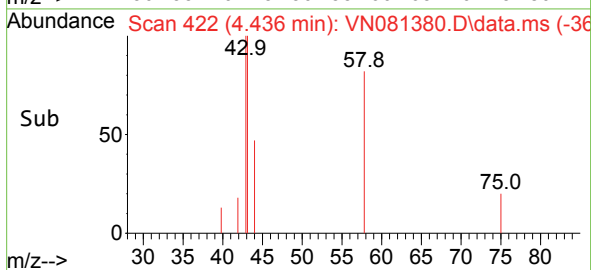
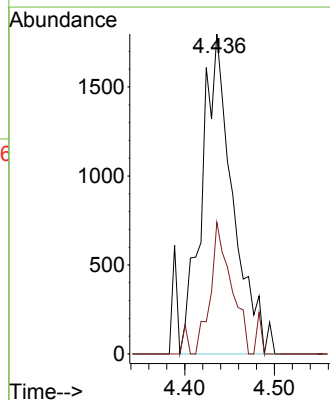
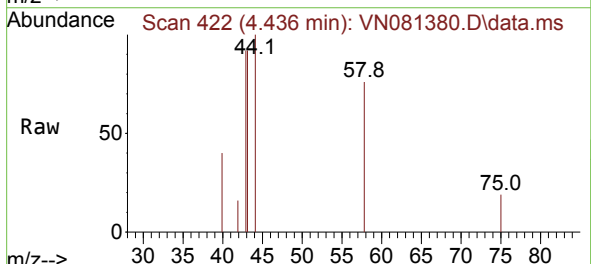
Acq: 12 Mar 2024 18:14

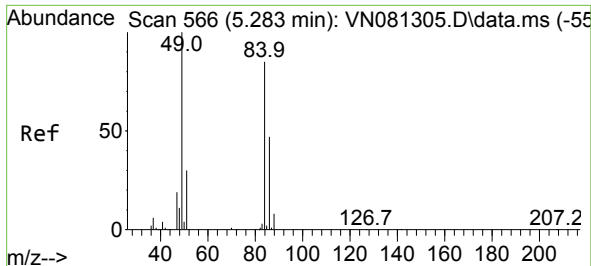
Tgt Ion: 43 Resp: 4311

Ion Ratio Lower Upper

43 100

58 41.2 24.8 37.2#



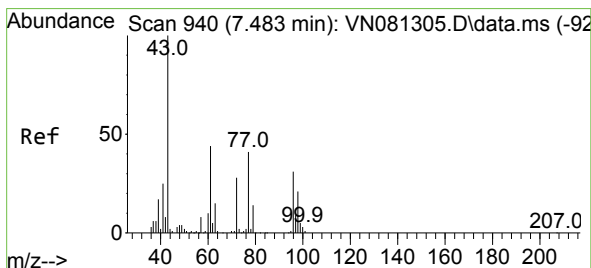
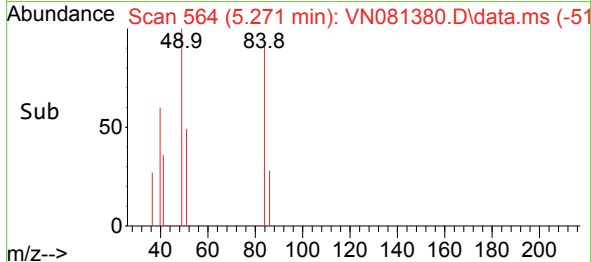
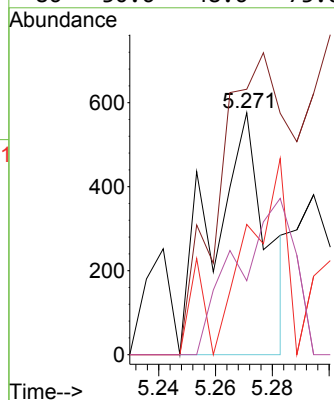
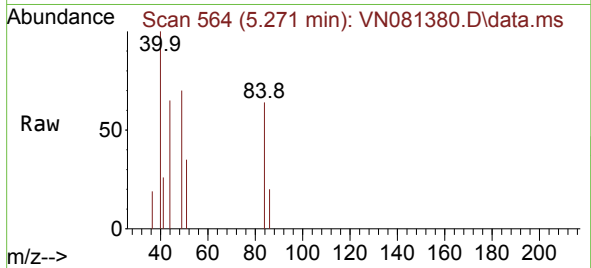


#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 501
Delta R.T. -0.012 min
Lab File: VN081380.D
Acq: 12 Mar 2024 18:14

Instrument :
MSVOA_N
ClientSampleId :
1339

Tgt Ion: 84 Resp: 756

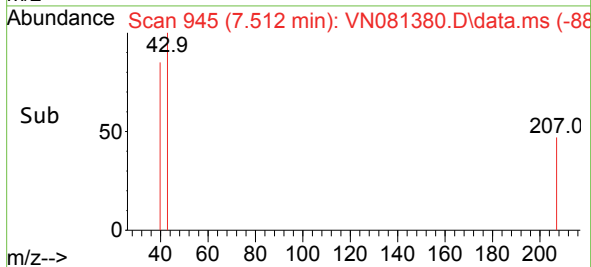
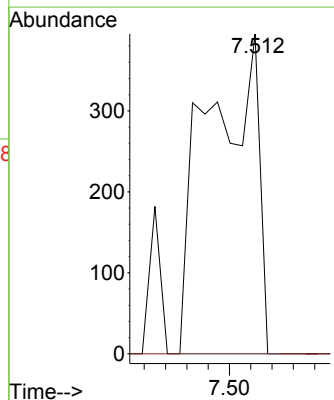
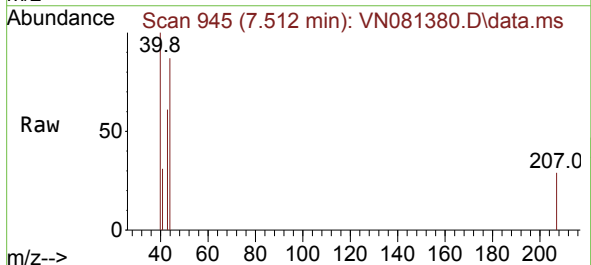
Ion	Ratio	Lower	Upper
84	100		
49	109.7	108.1	162.1
51	53.8	32.9	49.3#
86	30.6	48.6	73.0#

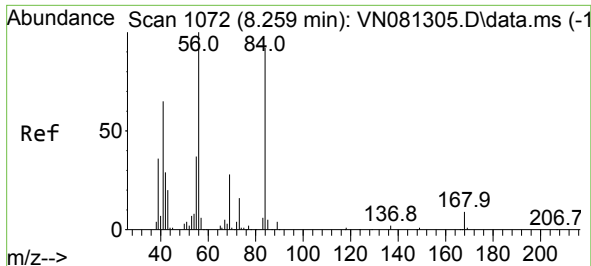


#25
2-Butanone
Concen: 0.238 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.029 min
Lab File: VN081380.D
Acq: 12 Mar 2024 18:14

Tgt Ion: 43 Resp: 645

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.5	29.3#

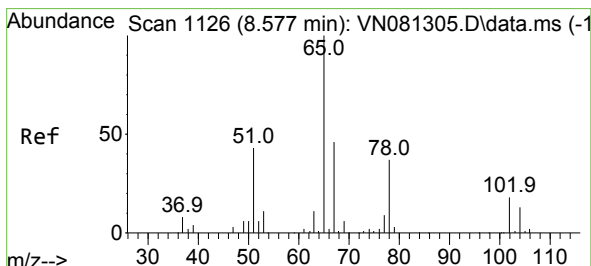
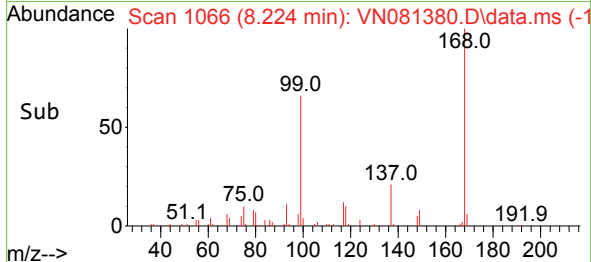
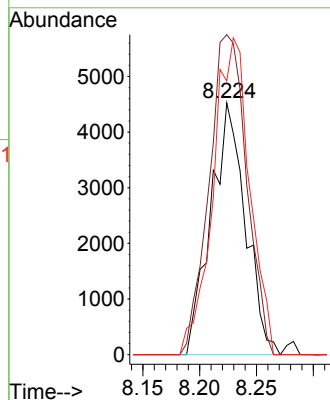
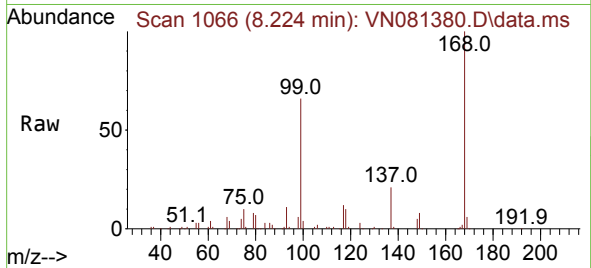




#31
Cyclohexane
Concen: 1.389 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081380.D
Acq: 12 Mar 2024 18:14

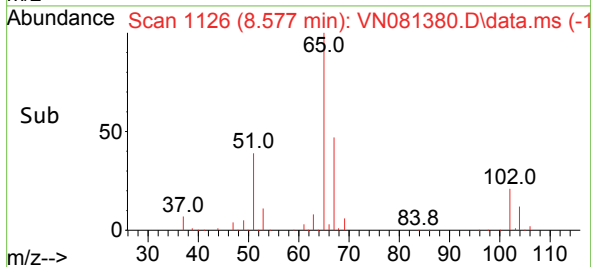
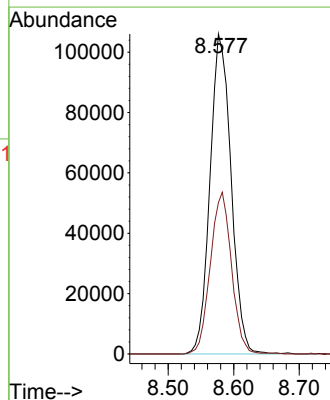
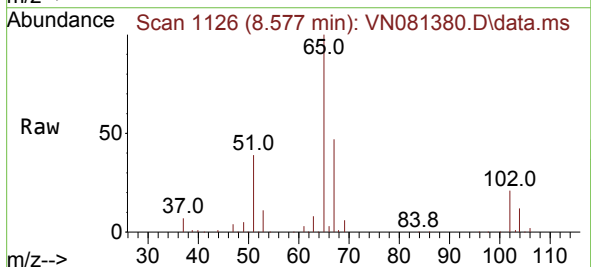
Instrument :
MSVOA_N
ClientSampleId :
1339

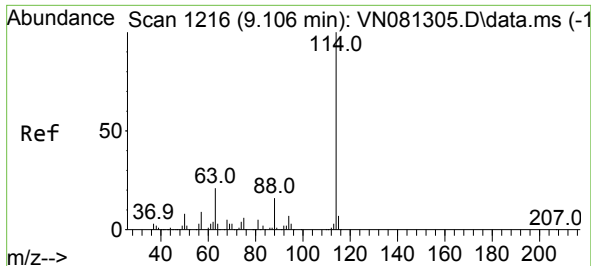
Tgt Ion: 56 Resp: 9607
Ion Ratio Lower Upper
56 100
69 127.0 20.1 30.1#
84 108.6 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 51.770 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081380.D
Acq: 12 Mar 2024 18:14

Tgt Ion: 65 Resp: 236541
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.4

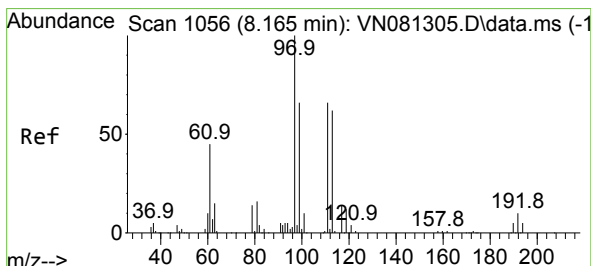
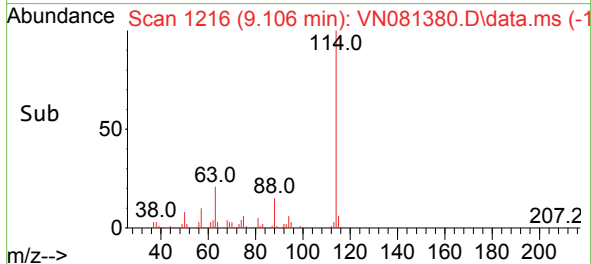
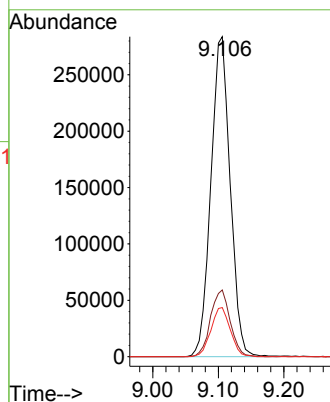
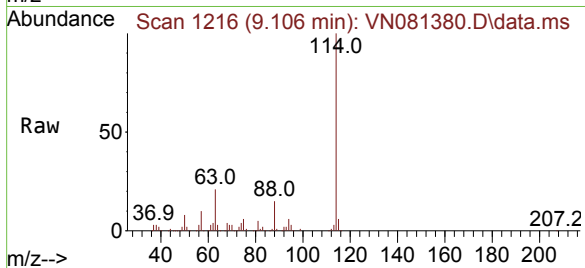




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11339
Delta R.T. 0.000 min
Lab File: VN081380.D
Acq: 12 Mar 2024 18:14

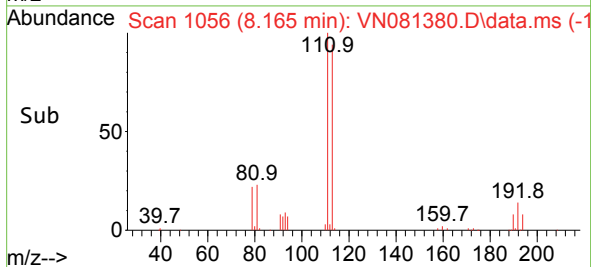
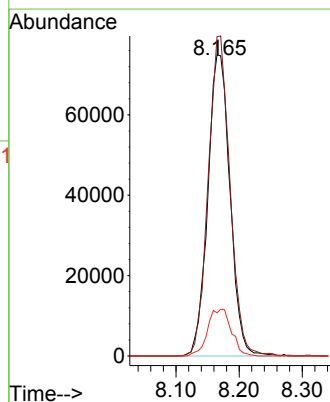
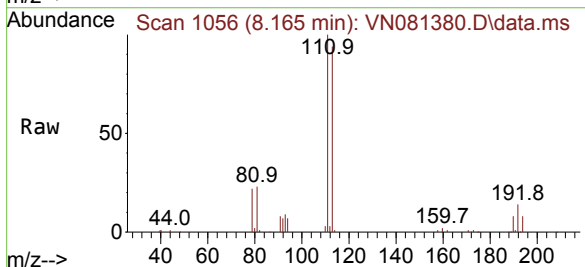
Instrument :
MSVOA_N
ClientSampleId :
1339

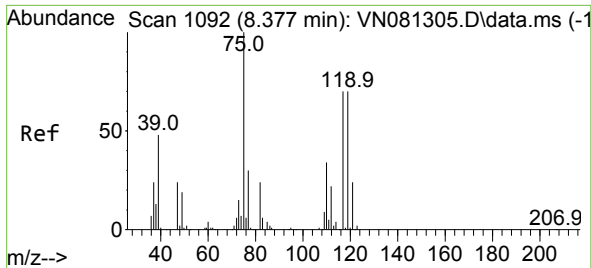
Tgt Ion:114 Resp: 580508
Ion Ratio Lower Upper
114 100
63 20.9 0.0 48.0
88 15.4 0.0 34.8



#35
Dibromofluoromethane
Concen: 51.440 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081380.D
Acq: 12 Mar 2024 18:14

Tgt Ion:113 Resp: 182951
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.4
192 16.6 12.5 18.7

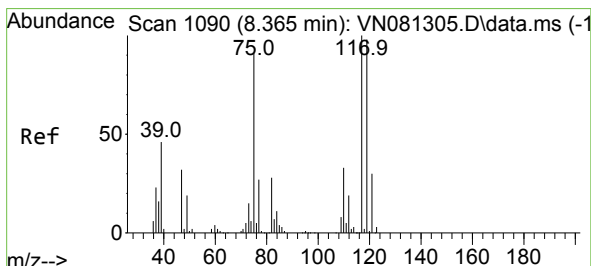
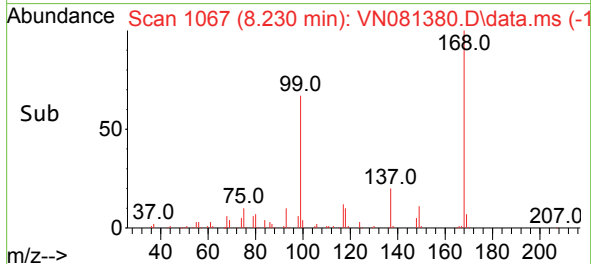
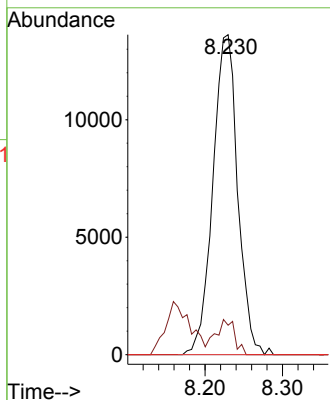
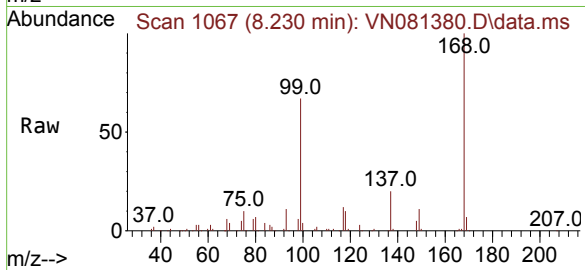




#36
1,1-Dichloropropene
Concen: 5.290 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN081380.D
Acq: 12 Mar 2024 18:14

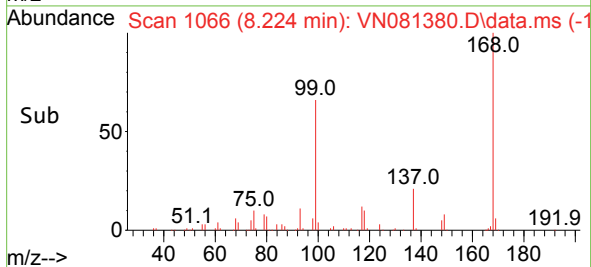
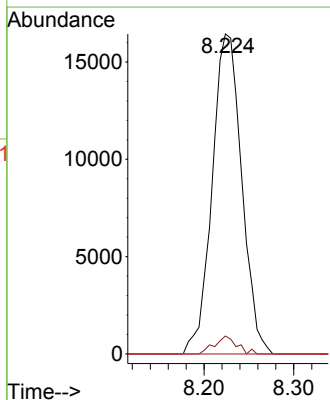
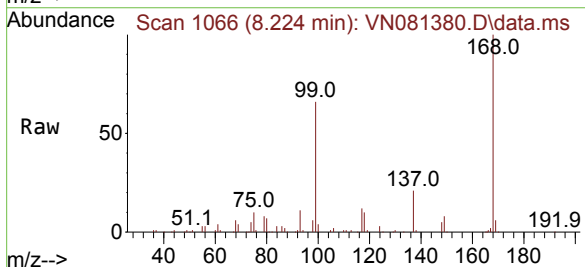
Instrument :
MSVOA_N
ClientSampleId :
1339

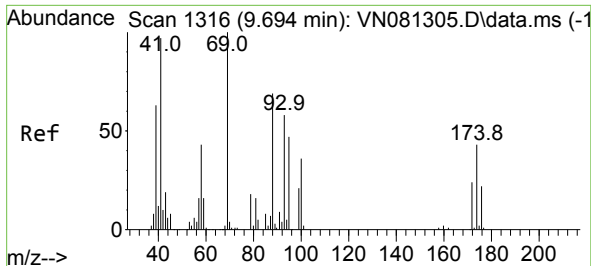
Tgt Ion: 75 Resp: 30353
Ion Ratio Lower Upper
75 100
110 8.5 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 6.513 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081380.D
Acq: 12 Mar 2024 18:14

Tgt Ion: 117 Resp: 37614
Ion Ratio Lower Upper
117 100
119 5.6 73.4 110.2#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.836 ug/l

RT: 9.712 min Scan# 1

Delta R.T. 0.018 min

Lab File: VN081380.D

Acq: 12 Mar 2024 18:14

Instrument :

MSVOA_N

ClientSampleId :

1339

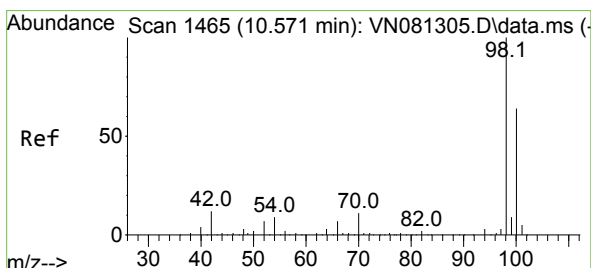
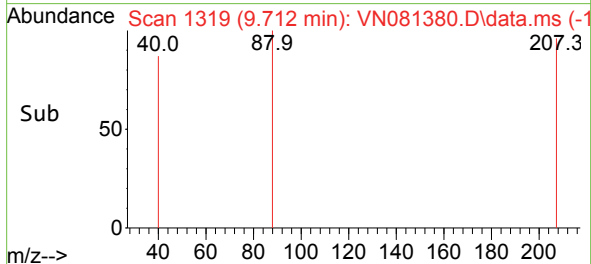
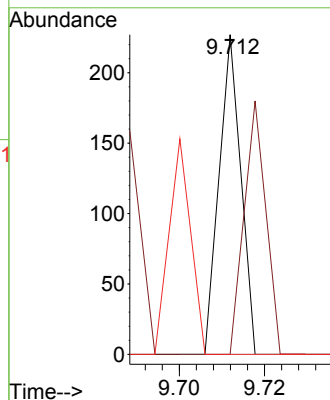
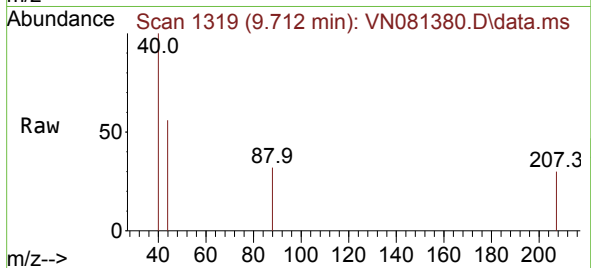
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

43 78.8 30.1 45.1#

58 67.5 63.9 95.9



#50

Toluene-d8

Concen: 51.808 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081380.D

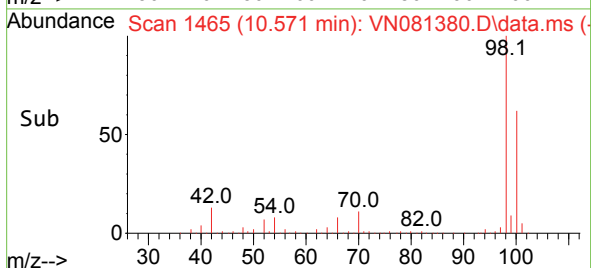
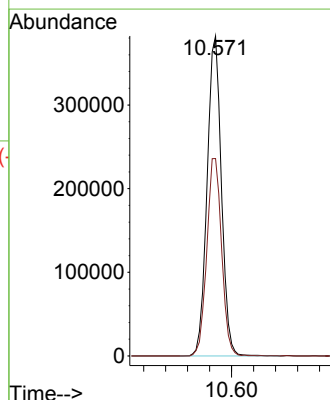
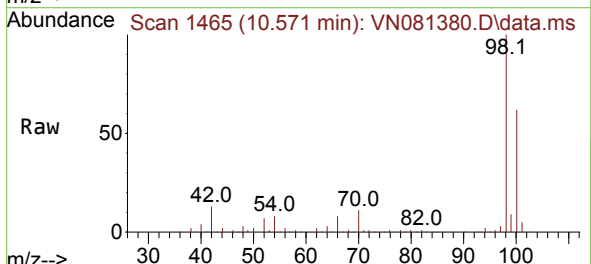
Acq: 12 Mar 2024 18:14

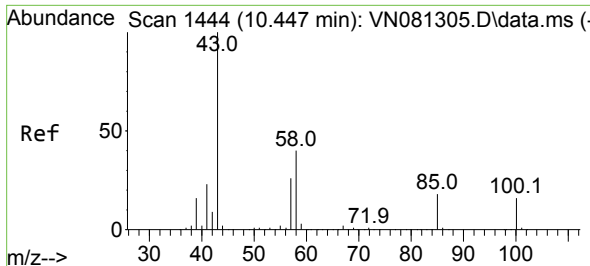
Tgt Ion: 98 Resp: 688798

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0

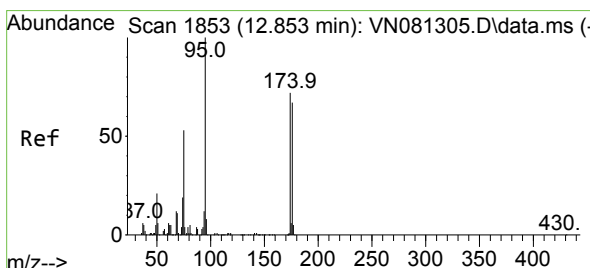
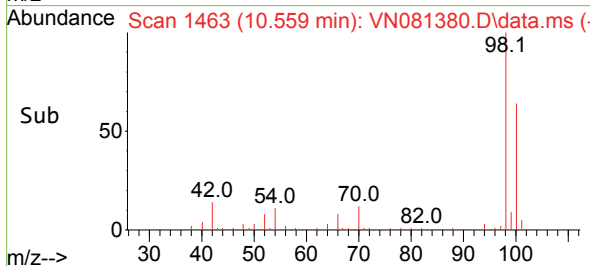
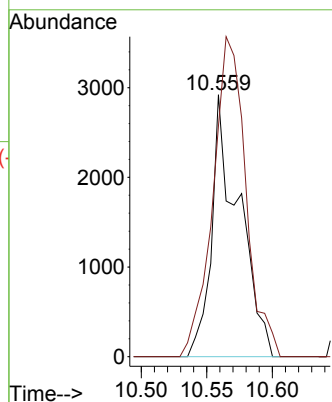
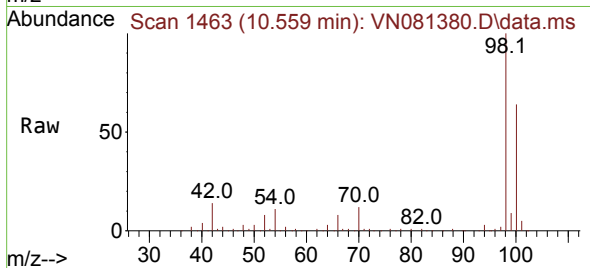




#51
4-Methyl-2-Pentanone
Concen: 0.740 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.112 min
Lab File: VN081380.D
Acq: 12 Mar 2024 18:14

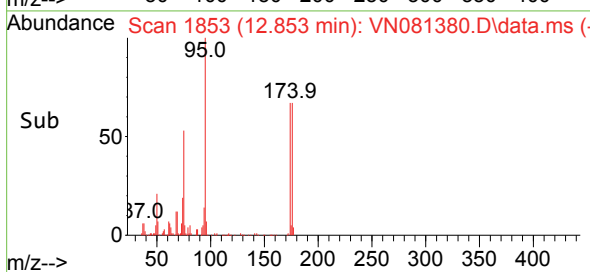
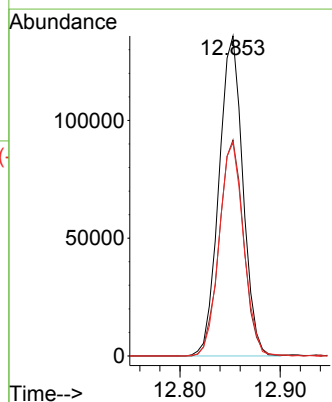
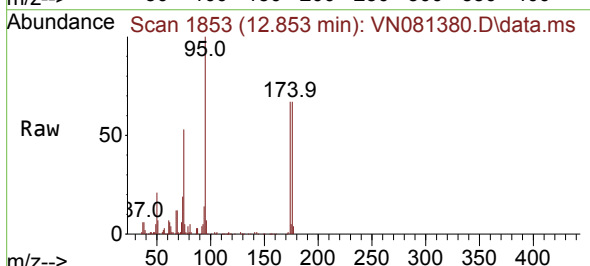
Instrument :
MSVOA_N
ClientSampleId :
1339

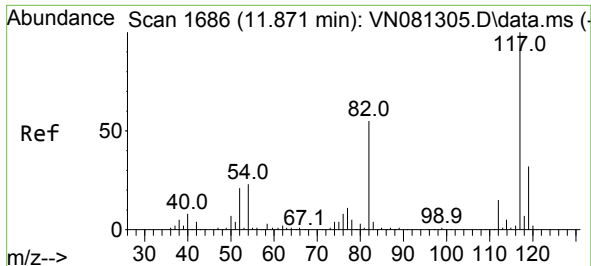
Tgt Ion: 43 Resp: 4217
Ion Ratio Lower Upper
43 100
58 147.5 29.4 44.0#



#62
4-Bromofluorobenzene
Concen: 47.744 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081380.D
Acq: 12 Mar 2024 18:14

Tgt Ion: 95 Resp: 224354
Ion Ratio Lower Upper
95 100
174 68.7 0.0 120.4
176 68.1 0.0 121.0

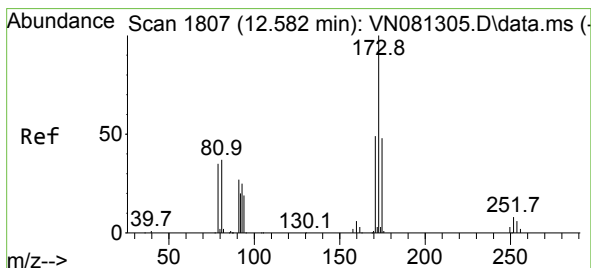
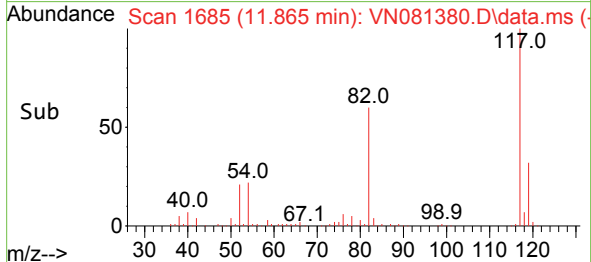
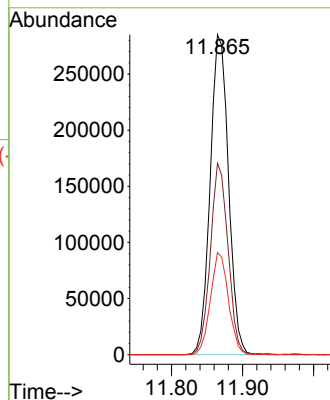
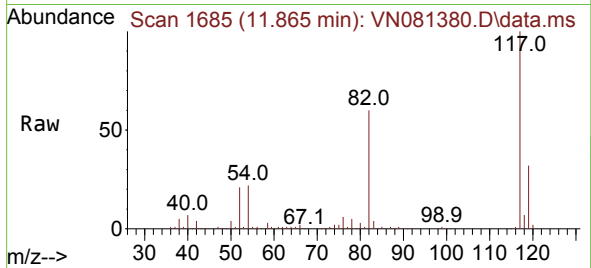




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11339
Delta R.T. -0.006 min
Lab File: VN081380.D
Acq: 12 Mar 2024 18:14

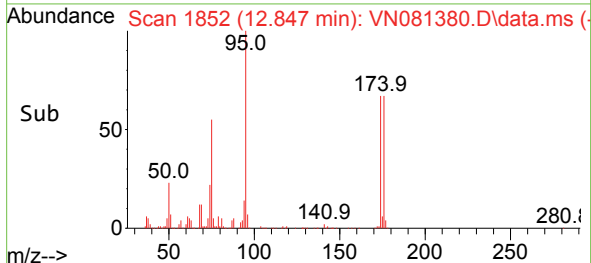
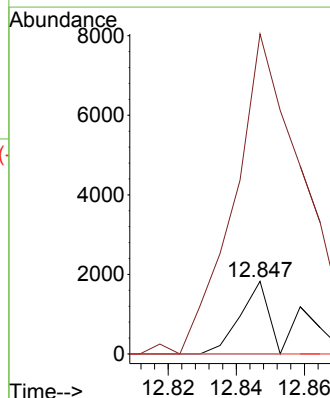
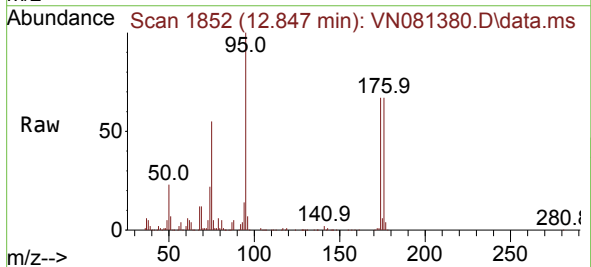
Instrument :
MSVOA_N
ClientSampleId :
1339

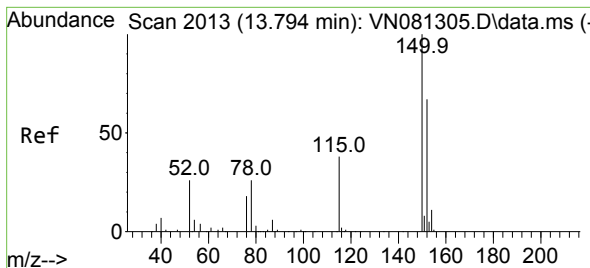
Tgt Ion:117 Resp: 511887
Ion Ratio Lower Upper
117 100
82 59.8 52.7 79.1
119 31.9 25.3 37.9



#71
Bromoform
Concen: 0.385 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN081380.D
Acq: 12 Mar 2024 18:14

Tgt Ion:173 Resp: 1055
Ion Ratio Lower Upper
173 100
175 911.6 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: VN081380.D

Acq: 12 Mar 2024 18:14

Instrument :

MSVOA_N

ClientSampleId :

1339

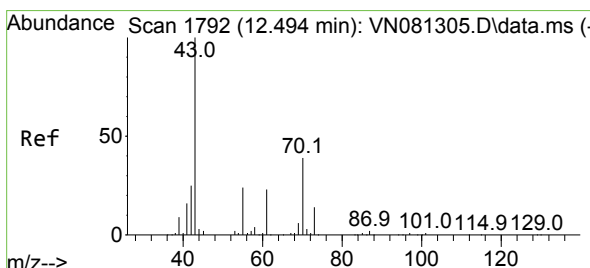
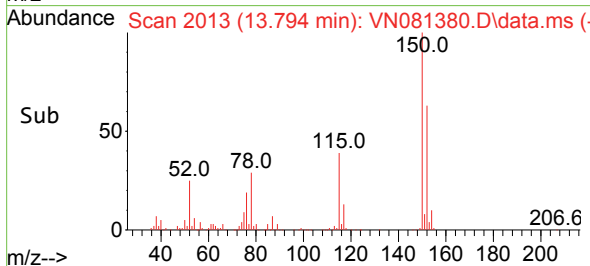
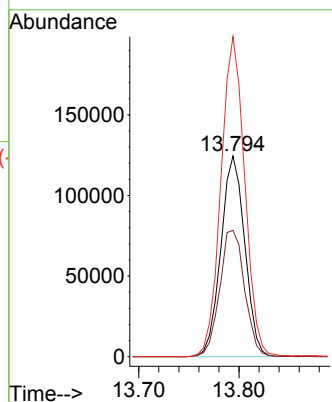
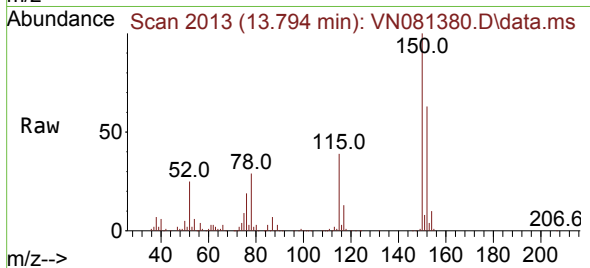
Tgt Ion:152 Resp: 205774

Ion Ratio Lower Upper

152 100

115 65.8 32.3 96.8

150 158.9 0.0 339.8



#74

N-ethyl acetate

Concen: 0.587 ug/l

RT: 12.418 min Scan# 1779

Delta R.T. -0.076 min

Lab File: VN081380.D

Acq: 12 Mar 2024 18:14

Tgt Ion: 43 Resp: 4093

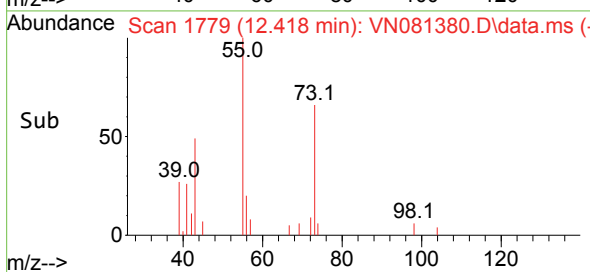
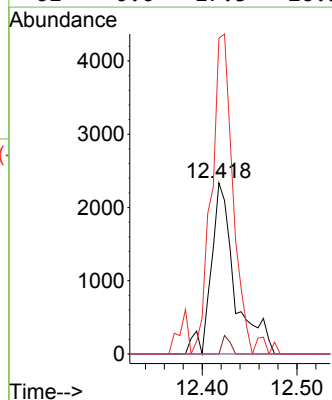
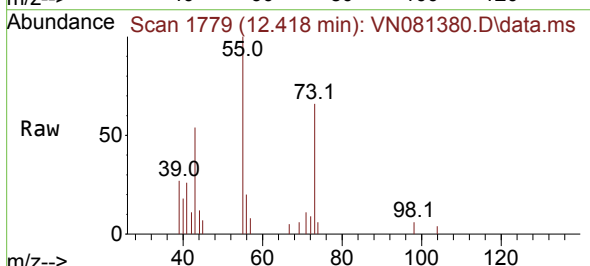
Ion Ratio Lower Upper

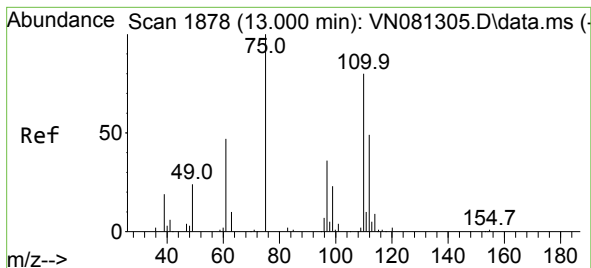
43 100

70 3.6 30.1 45.1#

55 166.5 17.0 25.4#

61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 25.217 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN081380.D

Acq: 12 Mar 2024 18:14

Instrument :

MSVOA_N

ClientSampleId :

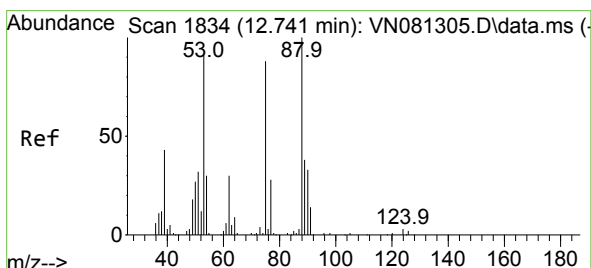
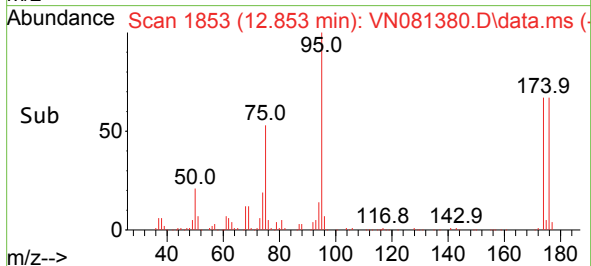
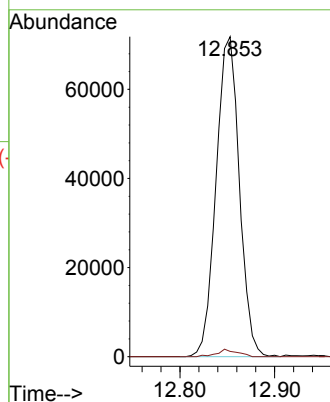
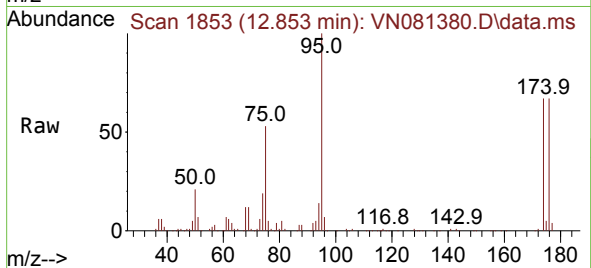
1339

Tgt Ion: 75 Resp: 122565

Ion Ratio Lower Upper

75 100

77 2.0 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.377 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081380.D

Acq: 12 Mar 2024 18:14

Tgt Ion: 75 Resp: 122565

Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.2#

89 0.0 33.4 50.0#

