

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031224\
 Data File : VN081379.D
 Acq On : 12 Mar 2024 17:50
 Operator : JC\MD
 Sample : P1734-09 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1344

Quant Time: Mar 13 04:55:16 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)

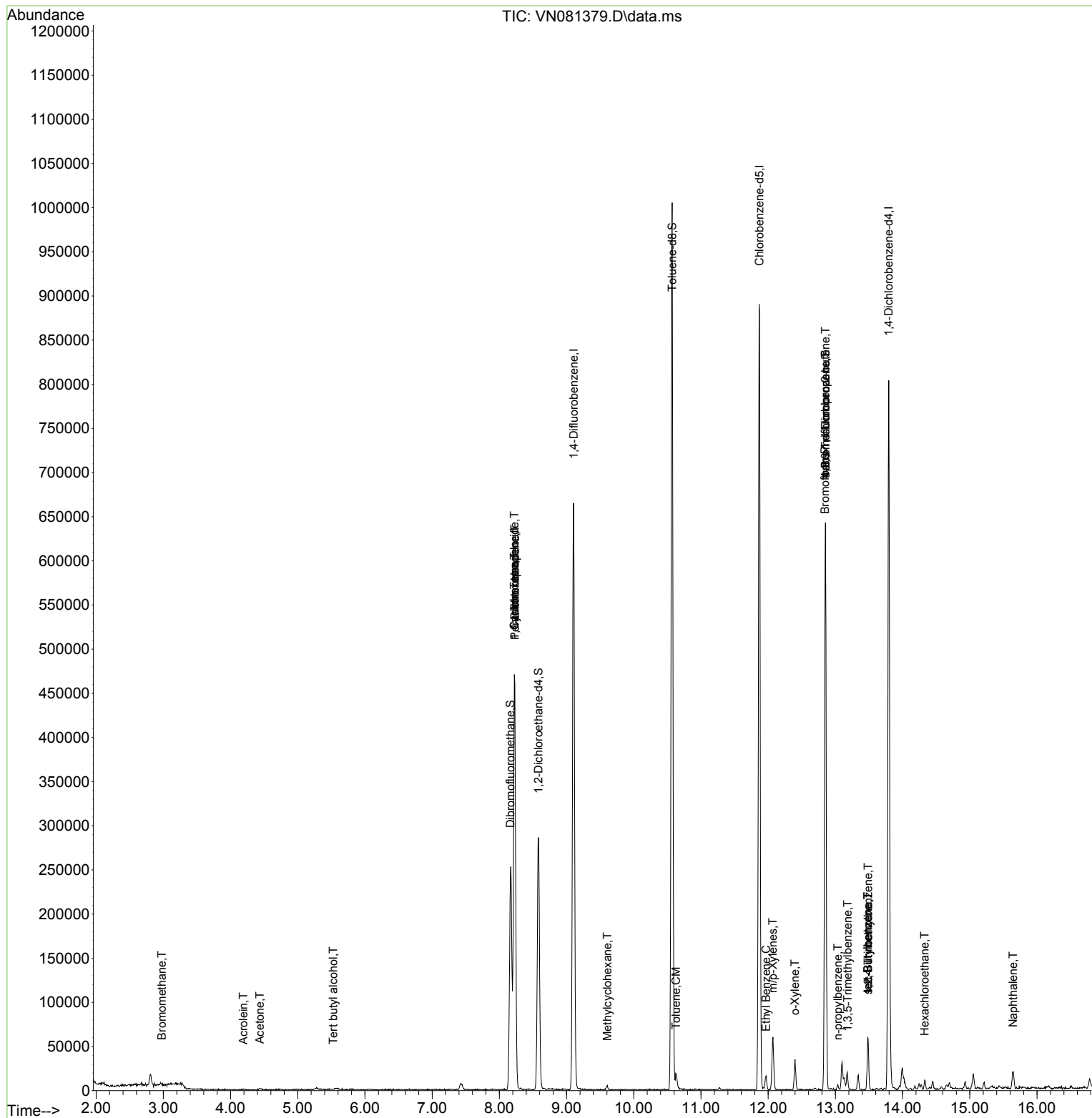
Internal Standards						
1) Pentafluorobenzene	8.230	168	318601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	578180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	502758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	198406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	238927	51.866	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.740%			
35) Dibromofluoromethane	8.165	113	180718	51.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.040%			
50) Toluene-d8	10.571	98	691527	52.222	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.440%			
62) 4-Bromofluorobenzene	12.853	95	216677	46.296	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 92.600%			
Target Compounds						Qvalue
5) Bromomethane	2.977	94	792	0.249	ug/l	85
11) Tert butyl alcohol	5.530	59	183	0.227	ug/l #	72
13) Acrolein	4.189	56	542	0.568	ug/l #	58
16) Acetone	4.436	43	1849	1.133	ug/l #	77
20) Methylene Chloride	5.283	84	1376	Below Cal	#	65
31) Cyclohexane	8.224	56	8990	1.289	ug/l #	23
36) 1,1-Dichloropropene	8.230	75	28564	4.998	ug/l #	49
38) Carbon Tetrachloride	8.224	117	36258	6.304	ug/l #	17
39) Methylcyclohexane	9.606	83	1421	0.216	ug/l #	57
52) Toluene	10.629	92	7257	0.704	ug/l	92
67) Ethyl Benzene	11.970	91	10392	0.545	ug/l	93
68) m/p-Xylenes	12.070	106	18597	2.589	ug/l	89
69) o-Xylene	12.400	106	8753	1.258	ug/l	93
71) Bromoform	12.847	173	817	0.304	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	123491	26.351	ug/l #	1
78) n-propylbenzene	13.035	91	4624	0.244	ug/l	96
80) 1,3,5-Trimethylbenzene	13.182	105	9392	0.709	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.853	75	123491	73.542	ug/l #	14
83) tert-Butylbenzene	13.482	119	3617	0.319	ug/l #	49
84) 1,2,4-Trimethylbenzene	13.488	105	32438	2.417	ug/l	100
85) sec-Butylbenzene	13.488	105	32438	1.975	ug/l #	60
90) Hexachloroethane	14.329	117	670	0.291	ug/l #	21
95) Naphthalene	15.647	128	17378	1.328	ug/l #	94

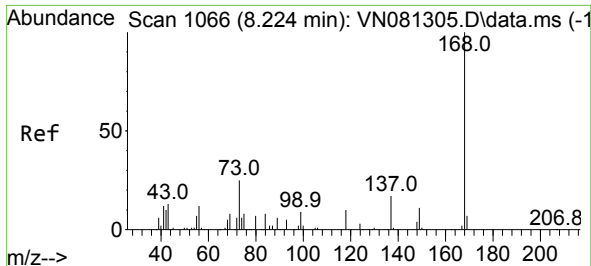
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031224\
Data File : VN081379.D
Acq On : 12 Mar 2024 17:50
Operator : JC\MD
Sample : P1734-09 50X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1344

Quant Time: Mar 13 04:55:16 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

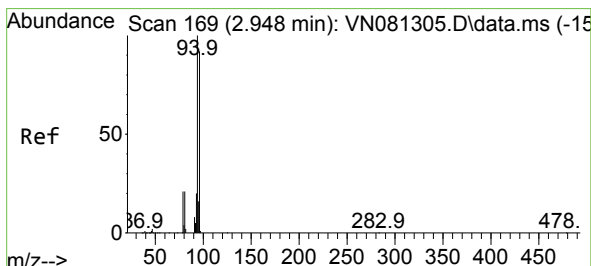
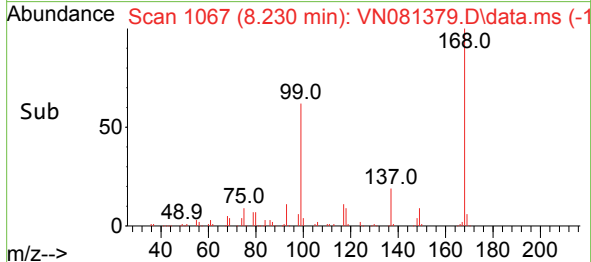
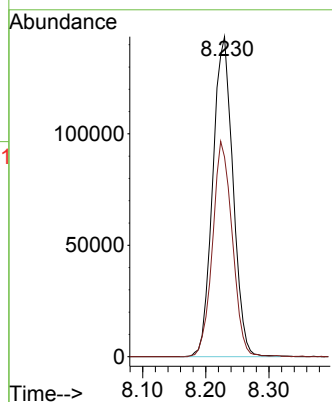
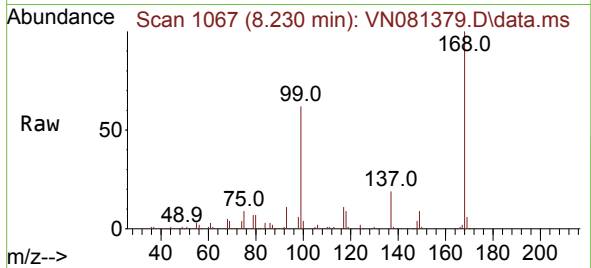




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

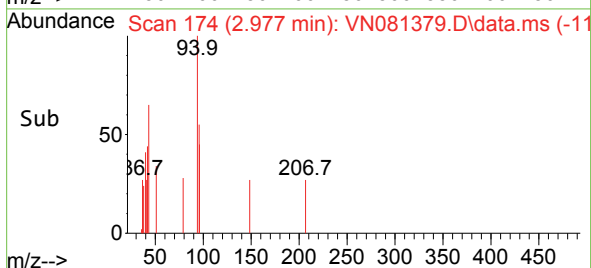
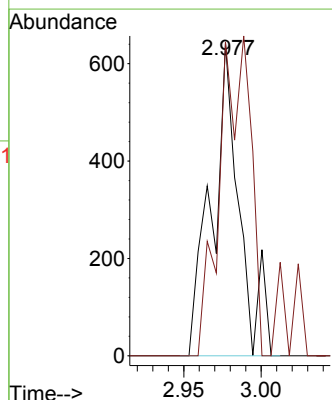
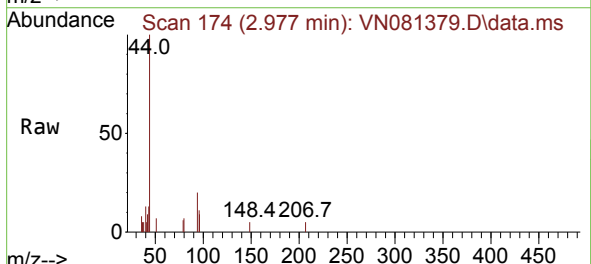
Instrument :
MSVOA_N
ClientSampleId :
1344

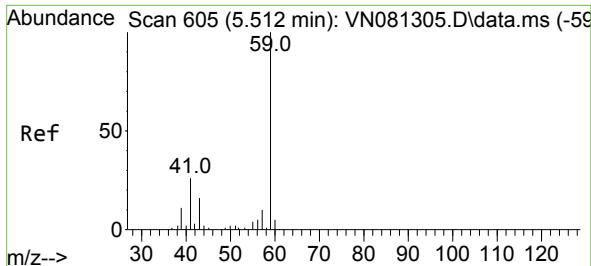
Tgt Ion:168 Resp: 318601
Ion Ratio Lower Upper
168 100
99 62.4 59.9 89.9



#5
Bromomethane
Concen: 0.249 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.029 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

Tgt Ion: 94 Resp: 792
Ion Ratio Lower Upper
94 100
96 100.3 69.2 103.8





#11

Tert butyl alcohol

Concen: 0.227 ug/l

RT: 5.530 min Scan# 60

Delta R.T. 0.018 min

Lab File: VN081379.D

Acq: 12 Mar 2024 17:50

Instrument :

MSVOA_N

ClientSampleId :

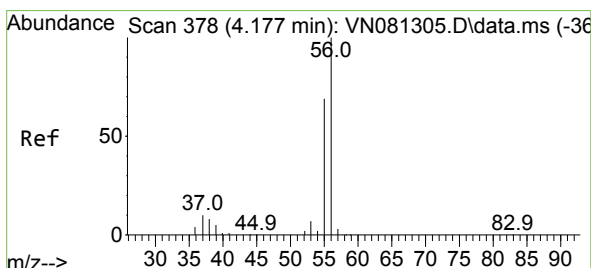
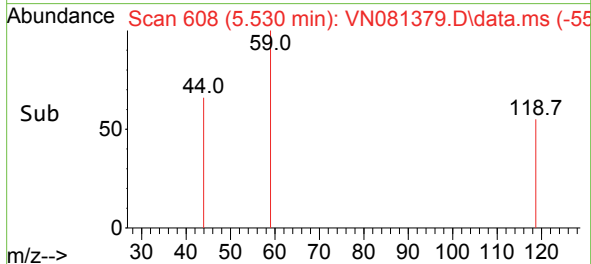
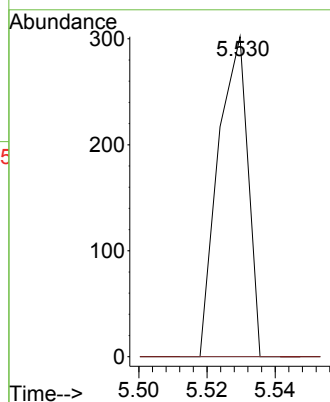
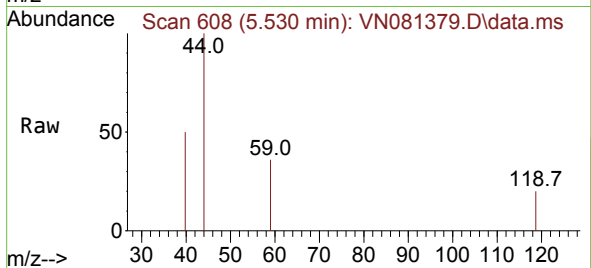
1344

Tgt Ion: 59 Resp: 183

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 0.568 ug/l

RT: 4.189 min Scan# 380

Delta R.T. 0.012 min

Lab File: VN081379.D

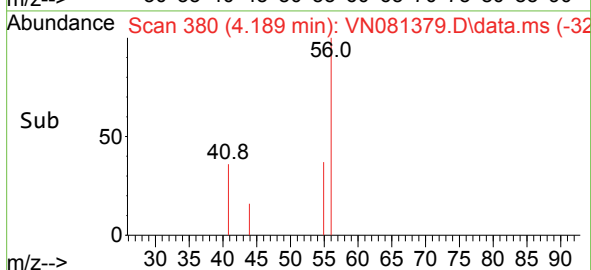
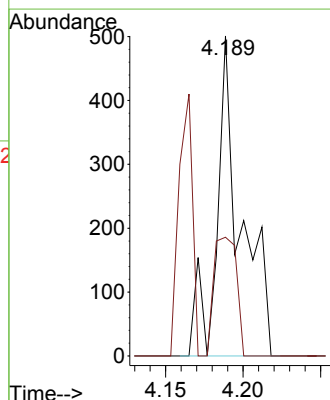
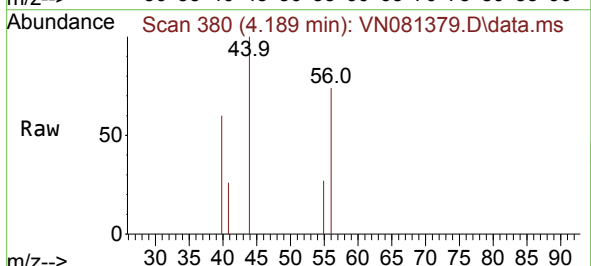
Acq: 12 Mar 2024 17:50

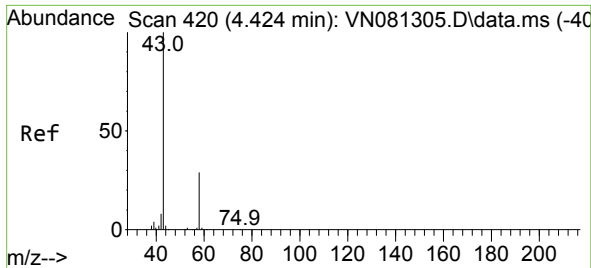
Tgt Ion: 56 Resp: 542

Ion Ratio Lower Upper

56 100

55 35.1 55.3 82.9#





#16

Acetone

Concen: 1.133 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN081379.D

Acq: 12 Mar 2024 17:50

Instrument :

MSVOA_N

ClientSampleId :

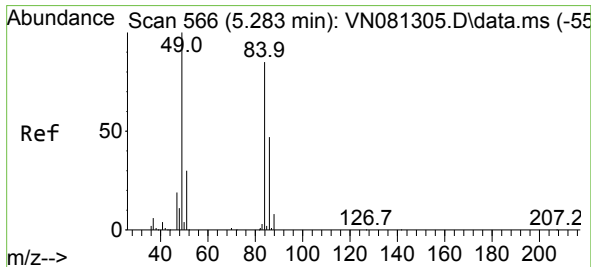
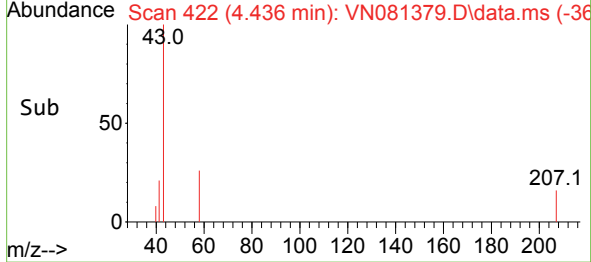
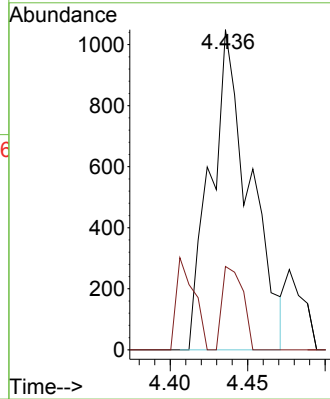
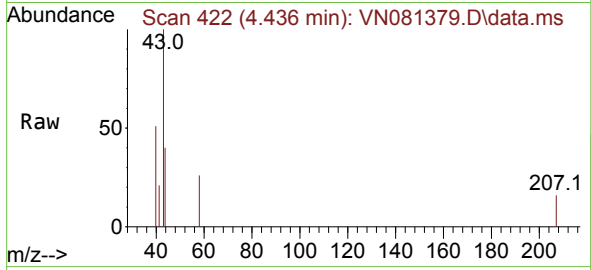
1344

Tgt Ion: 43 Resp: 1849

Ion Ratio Lower Upper

43 100

58 18.6 24.8 37.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.283 min Scan# 566

Delta R.T. -0.000 min

Lab File: VN081379.D

Acq: 12 Mar 2024 17:50

Tgt Ion: 84 Resp: 1376

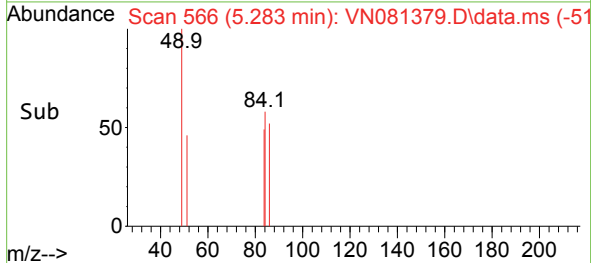
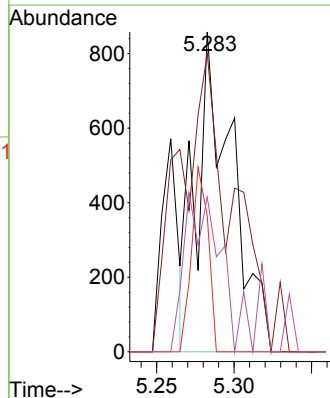
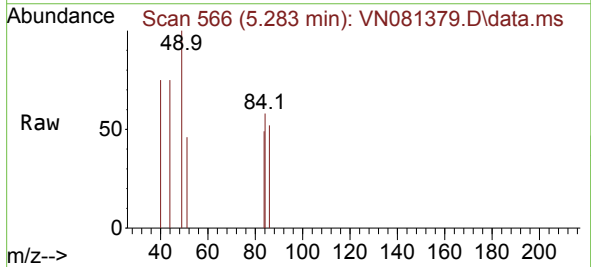
Ion Ratio Lower Upper

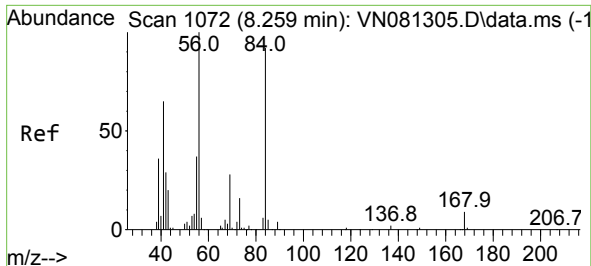
84 100

49 71.6 108.1 162.1#

51 42.5 32.9 49.3

86 48.4 48.6 73.0#

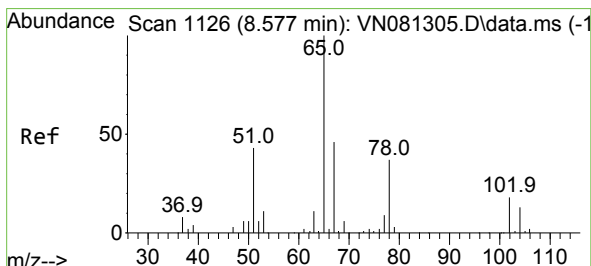
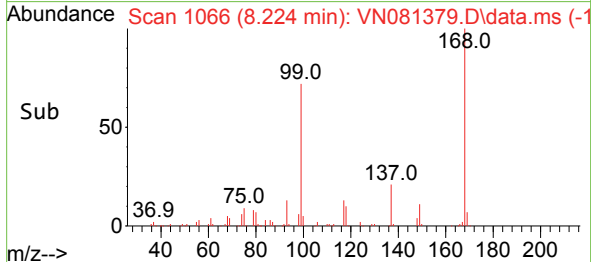
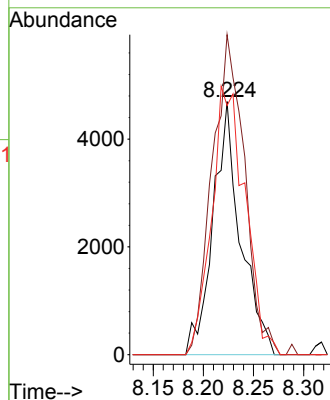
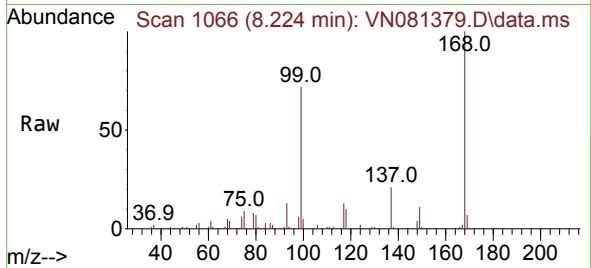




#31
Cyclohexane
Concen: 1.289 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

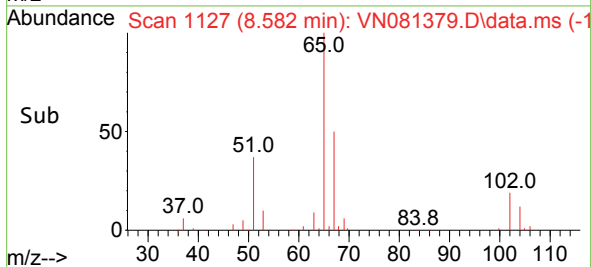
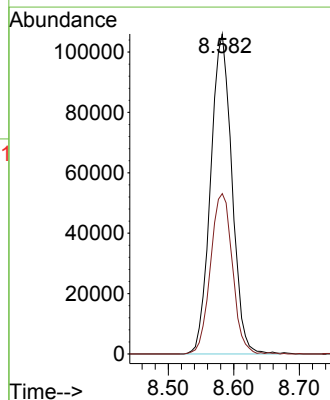
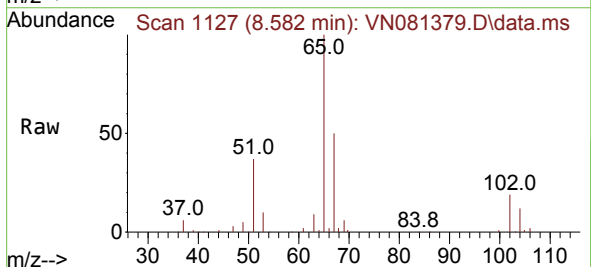
Instrument :
MSVOA_N
ClientSampleId :
1344

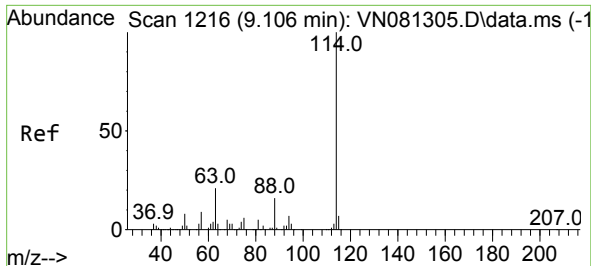
Tgt Ion: 56 Resp: 8990
Ion Ratio Lower Upper
56 100
69 126.4 20.1 30.1#
84 98.5 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 51.866 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

Tgt Ion: 65 Resp: 238927
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4

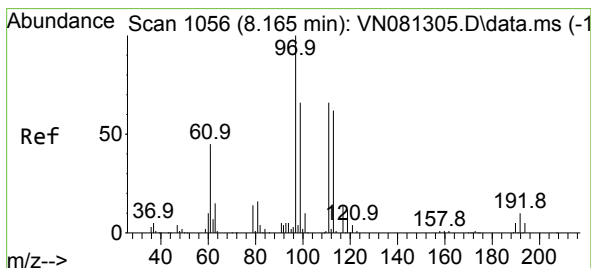
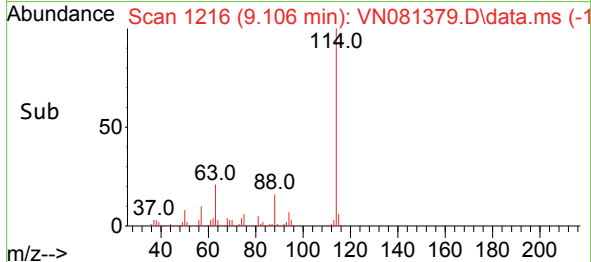
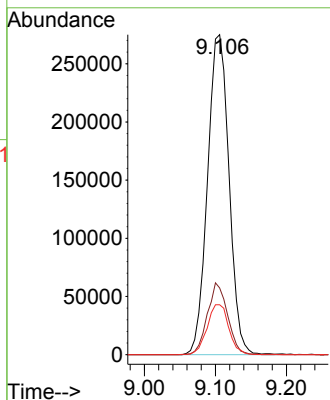
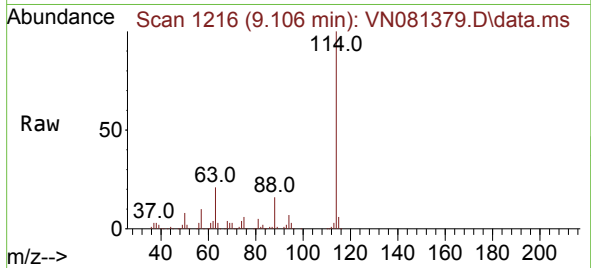




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

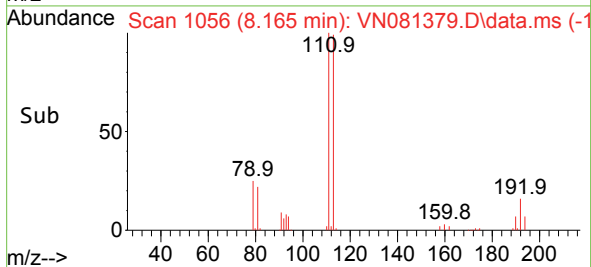
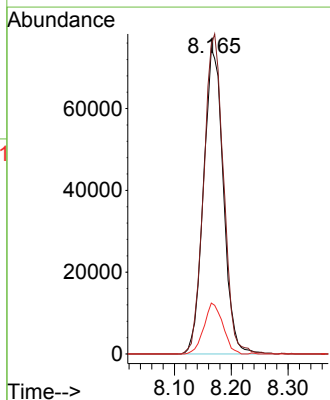
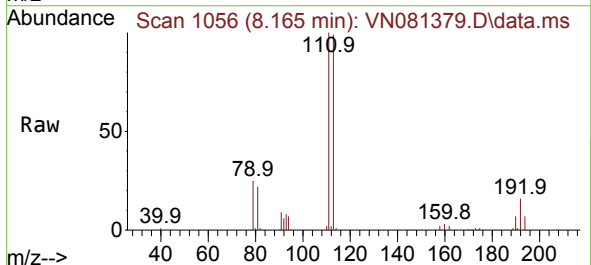
Instrument :
MSVOA_N
ClientSampleId :
1344

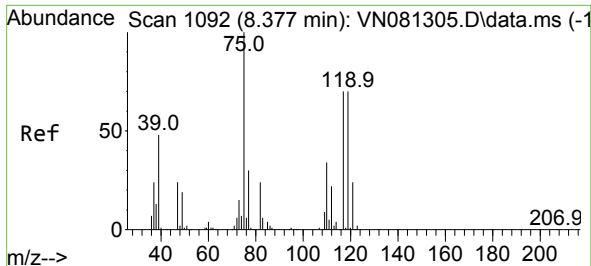
Tgt Ion:114 Resp: 578180
Ion Ratio Lower Upper
114 100
63 20.8 0.0 48.0
88 15.6 0.0 34.8



#35
Dibromofluoromethane
Concen: 51.017 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

Tgt Ion:113 Resp: 180718
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.4
192 15.9 12.5 18.7

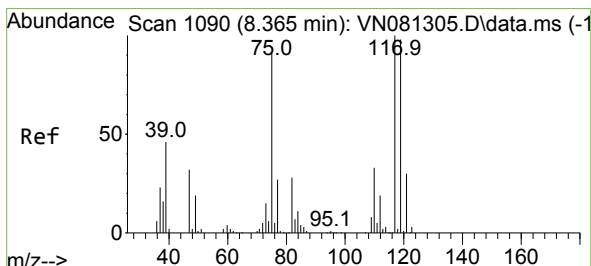
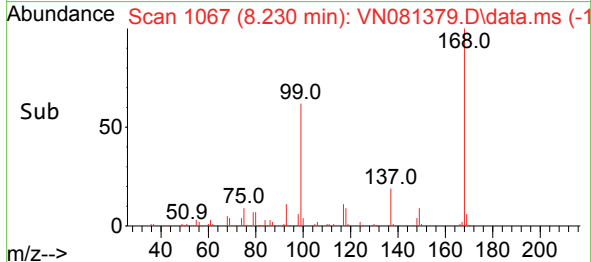
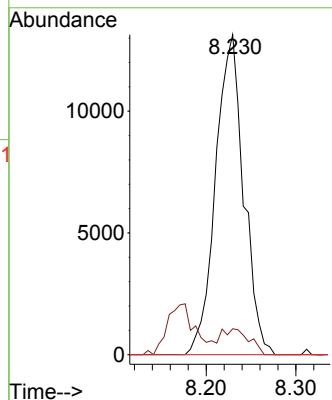
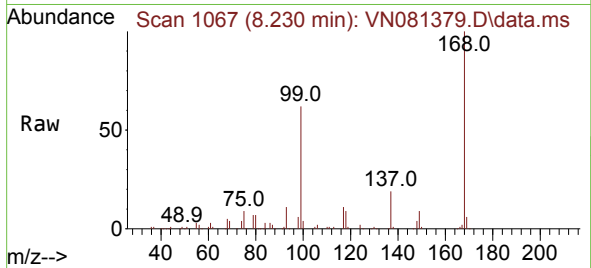




#36
1,1-Dichloropropene
Concen: 4.998 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

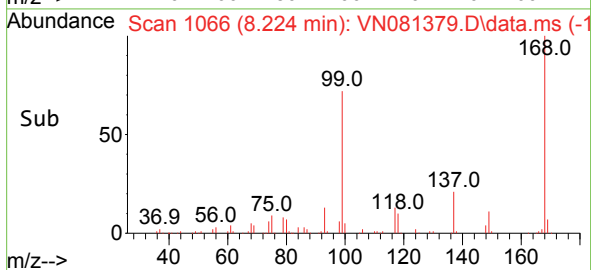
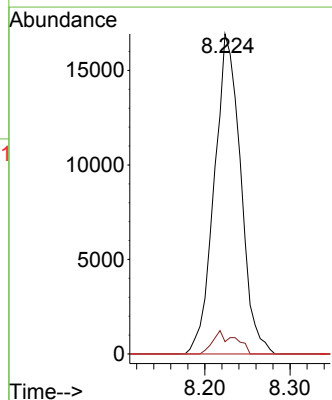
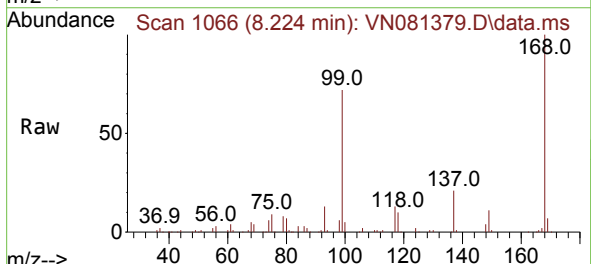
Instrument :
MSVOA_N
ClientSampleId :
1344

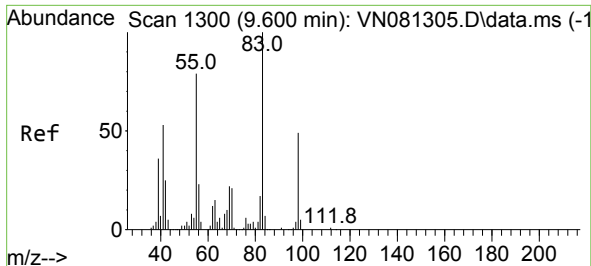
Tgt Ion: 75 Resp: 28564
Ion Ratio Lower Upper
75 100
110 7.7 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 6.304 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

Tgt Ion: 117 Resp: 36258
Ion Ratio Lower Upper
117 100
119 3.8 73.4 110.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.216 ug/l

RT: 9.606 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081379.D

Acq: 12 Mar 2024 17:50

Instrument :

MSVOA_N

ClientSampleId :

1344

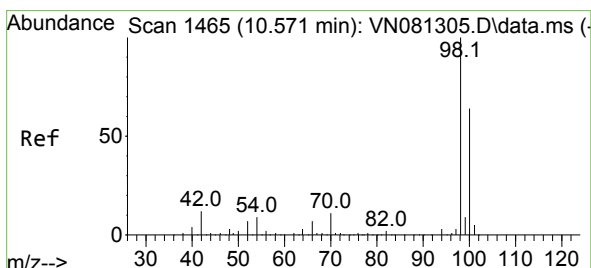
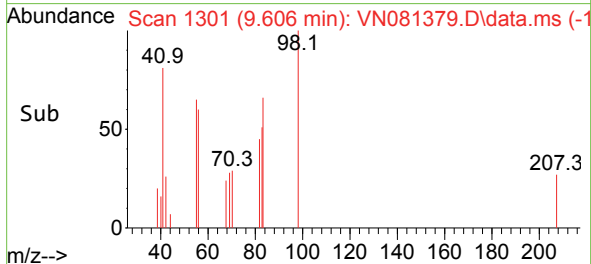
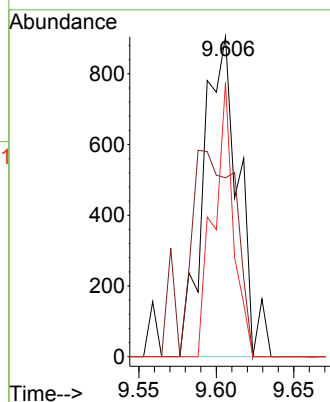
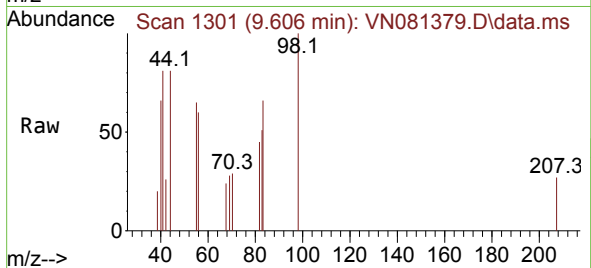
Tgt Ion: 83 Resp: 1421

Ion Ratio Lower Upper

83 100

55 55.9 65.7 98.5#

98 85.7 33.8 50.6#



#50

Toluene-d8

Concen: 52.222 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081379.D

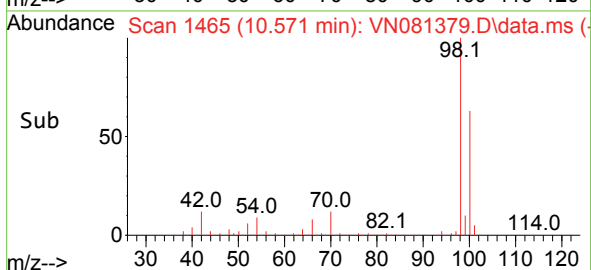
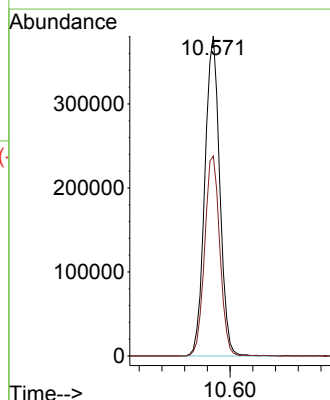
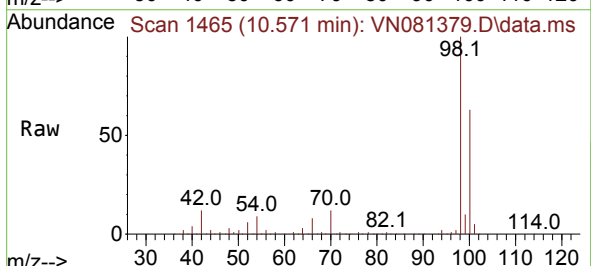
Acq: 12 Mar 2024 17:50

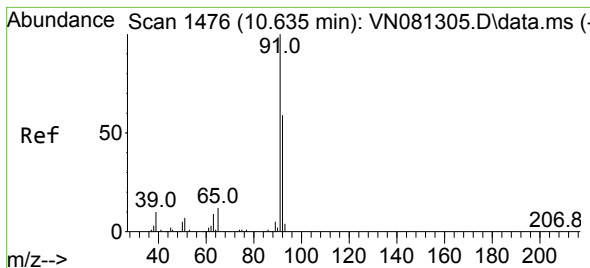
Tgt Ion: 98 Resp: 691527

Ion Ratio Lower Upper

98 100

100 63.4 51.4 77.0





#52

Toluene

Concen: 0.704 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN081379.D

Acq: 12 Mar 2024 17:50

Instrument :

MSVOA_N

ClientSampleId :

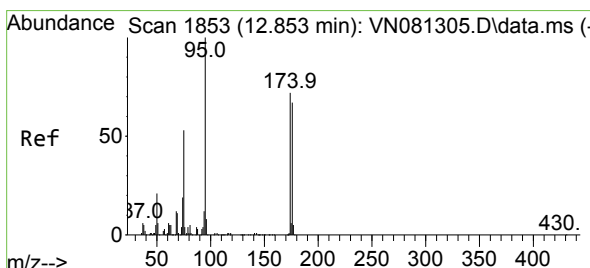
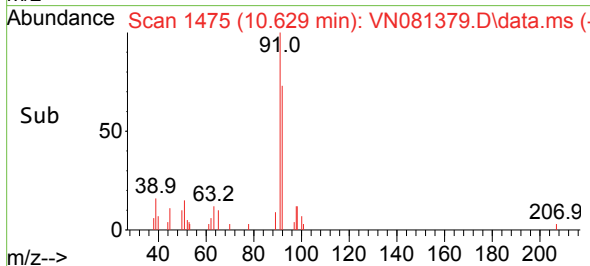
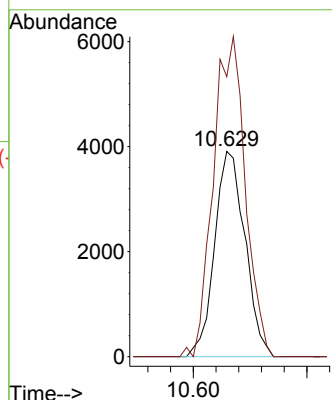
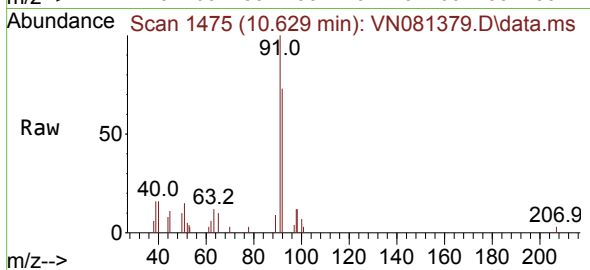
1344

Tgt Ion: 92 Resp: 7257

Ion Ratio Lower Upper

92 100

91 163.6 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 46.296 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN081379.D

Acq: 12 Mar 2024 17:50

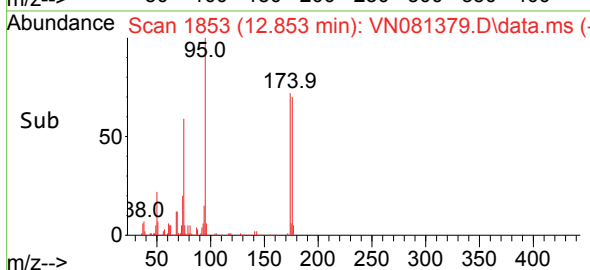
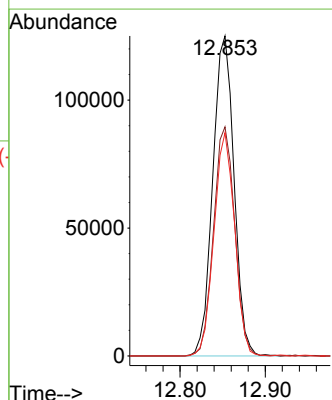
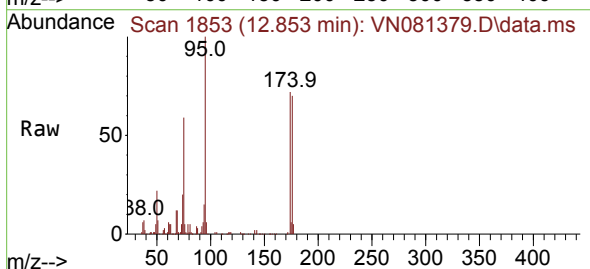
Tgt Ion: 95 Resp: 216677

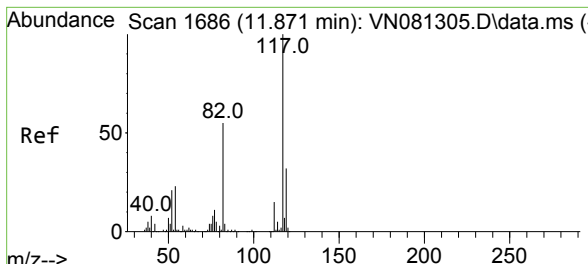
Ion Ratio Lower Upper

95 100

174 71.5 0.0 120.4

176 68.0 0.0 121.0

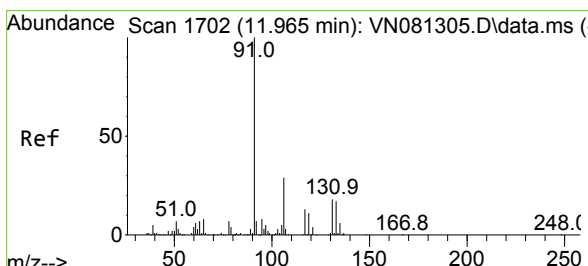
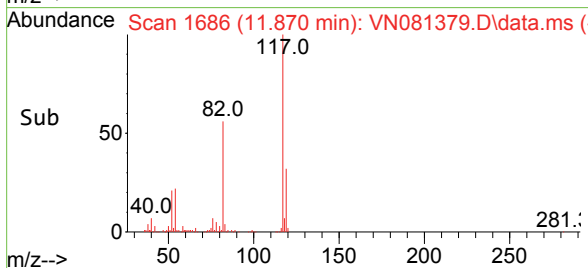
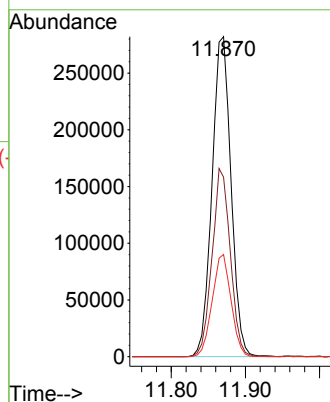
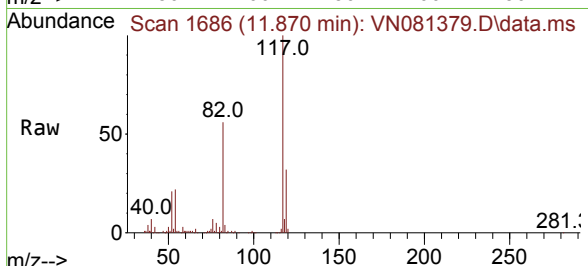




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

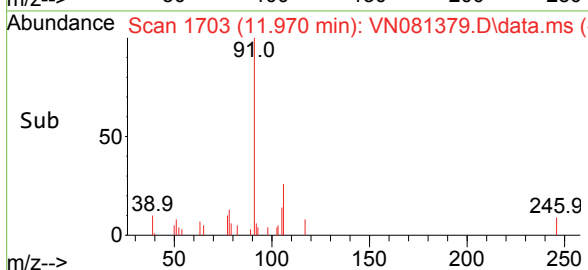
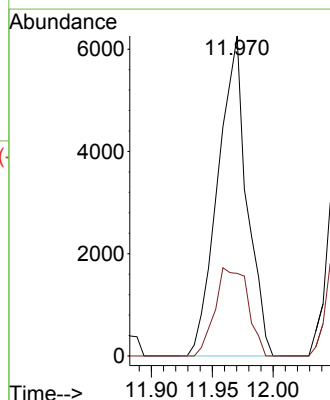
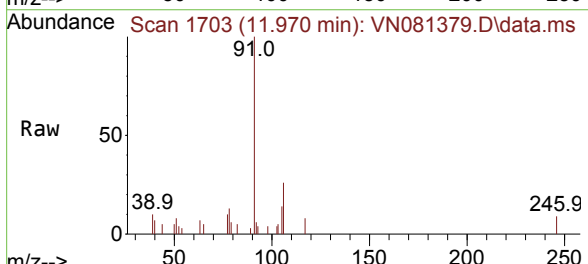
Instrument :
MSVOA_N
ClientSampleId :
1344

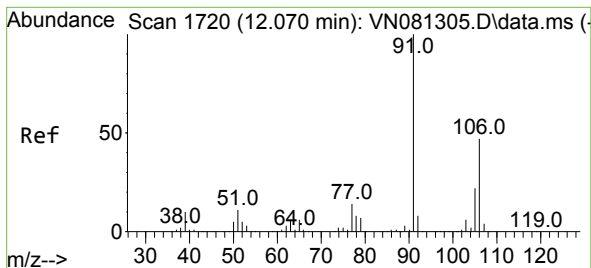
Tgt Ion:	117	Resp:	502758
Ion	Ratio	Lower	Upper
117	100		
82	56.1	52.7	79.1
119	31.9	25.3	37.9



#67
Ethyl Benzene
Concen: 0.545 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

Tgt Ion:	91	Resp:	10392
Ion	Ratio	Lower	Upper
91	100		
106	25.8	23.8	35.6

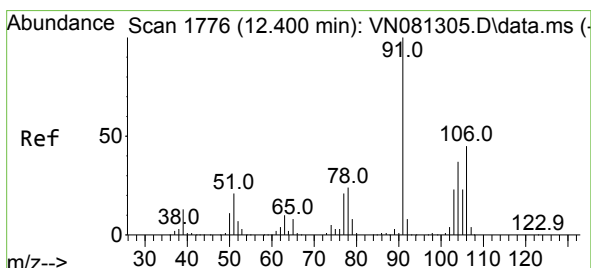
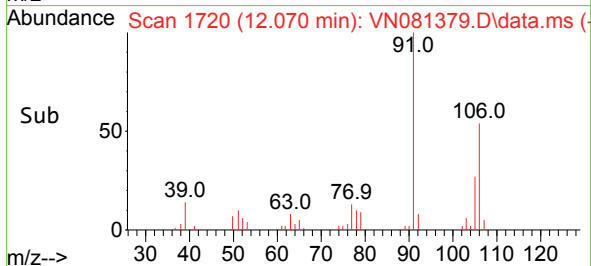
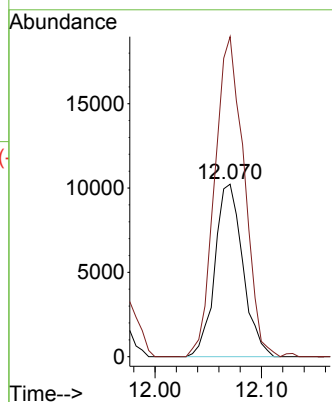
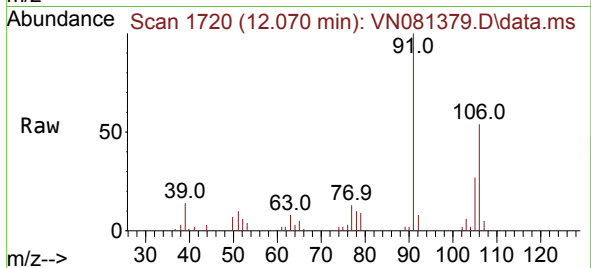




#68
m/p-Xylenes
Concen: 2.589 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

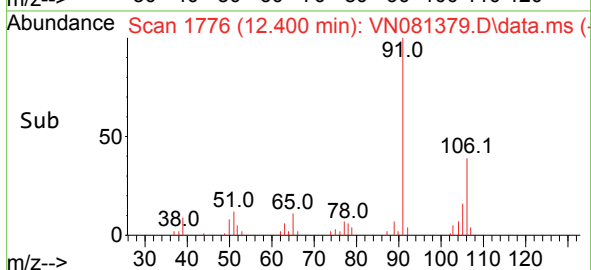
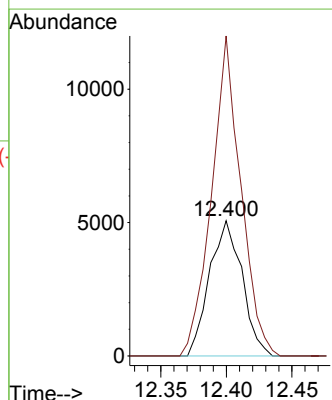
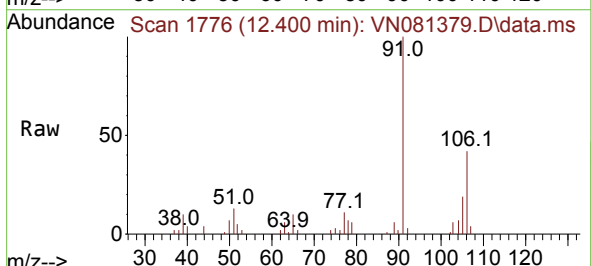
Instrument :
MSVOA_N
ClientSampleId :
1344

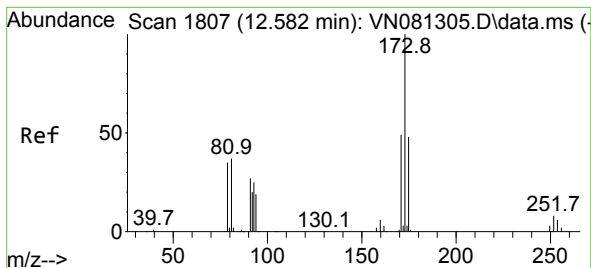
Tgt Ion:106 Resp: 18597
Ion Ratio Lower Upper
106 100
91 194.5 169.0 253.6



#69
o-Xylene
Concen: 1.258 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

Tgt Ion:106 Resp: 8753
Ion Ratio Lower Upper
106 100
91 212.7 112.1 336.3





#71

Bromoform

Concen: 0.304 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN081379.D

Acq: 12 Mar 2024 17:50

Instrument :

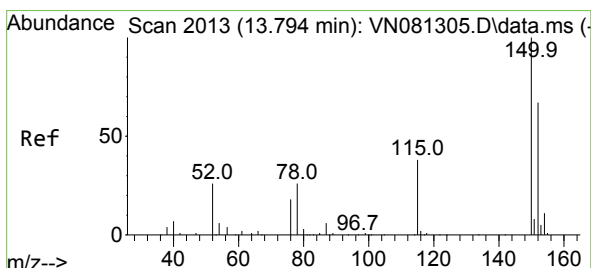
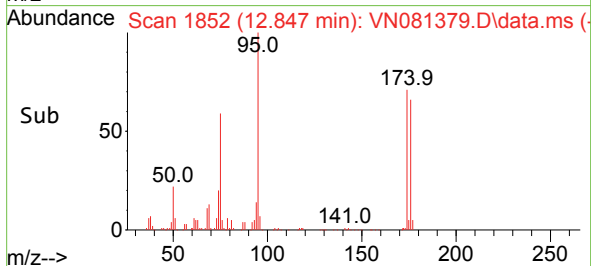
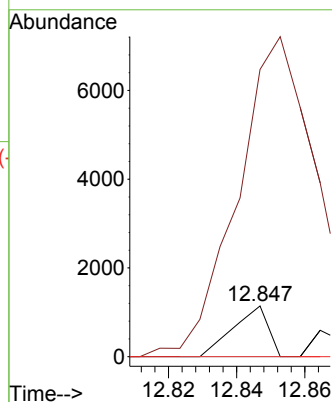
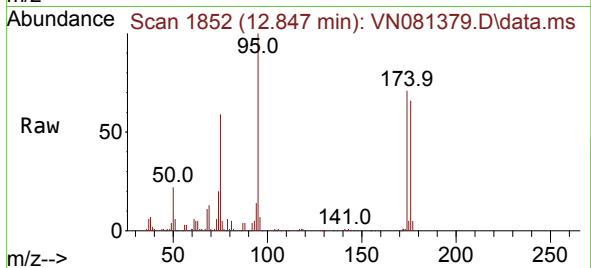
MSVOA_N

ClientSampleId :

1344

Tgt Ion:173 Resp: 817

Ion	Ratio	Lower	Upper
173	100		
175	1148.5	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

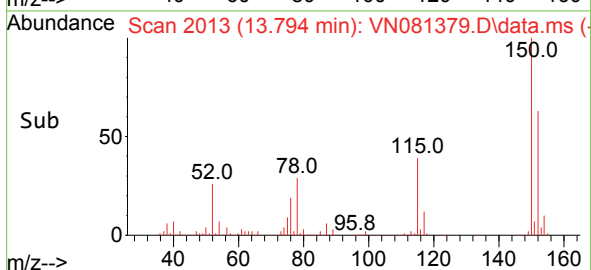
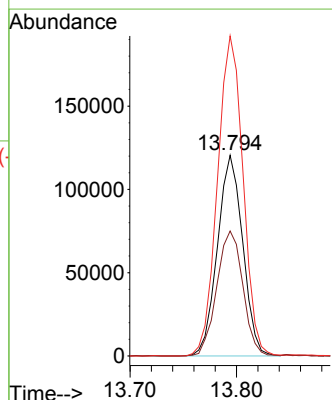
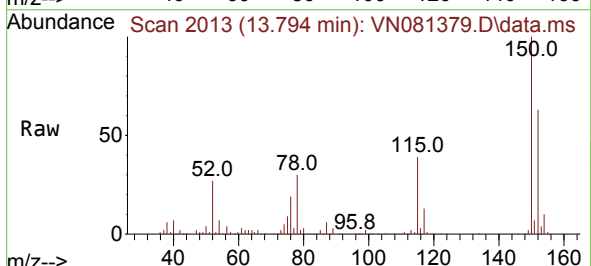
Delta R.T. -0.000 min

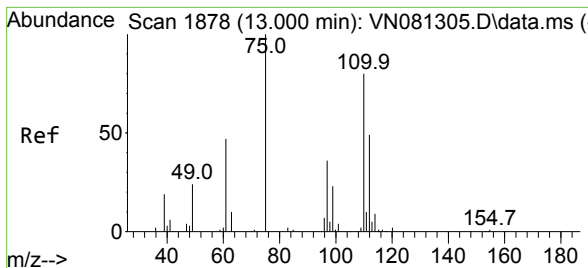
Lab File: VN081379.D

Acq: 12 Mar 2024 17:50

Tgt Ion:152 Resp: 198406

Ion	Ratio	Lower	Upper
152	100		
115	64.2	32.3	96.8
150	161.3	0.0	339.8





#76

1,2,3-Trichloropropane

Concen: 26.351 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN081379.D

Acq: 12 Mar 2024 17:50

Instrument :

MSVOA_N

ClientSampleId :

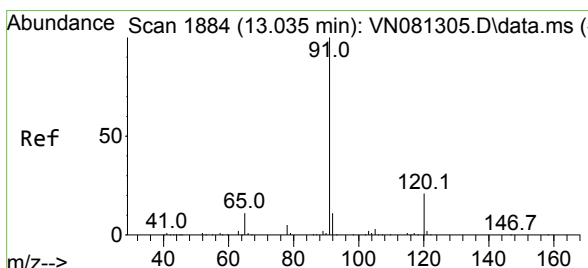
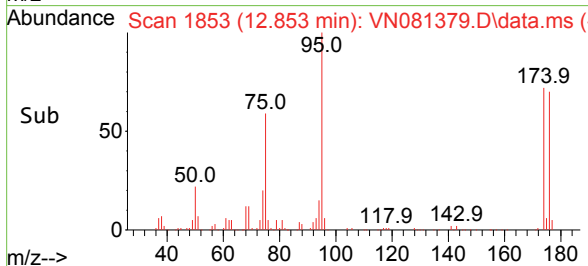
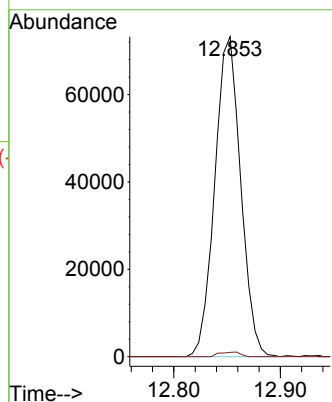
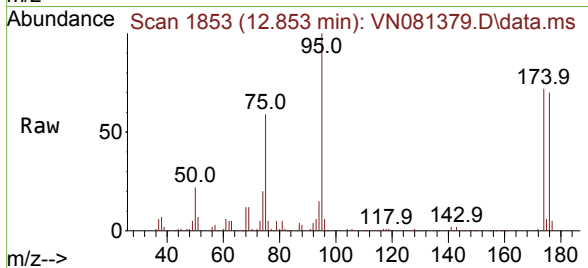
1344

Tgt Ion: 75 Resp: 123491

Ion Ratio Lower Upper

75 100

77 1.2 91.0 272.8#



#78

n-propylbenzene

Concen: 0.244 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN081379.D

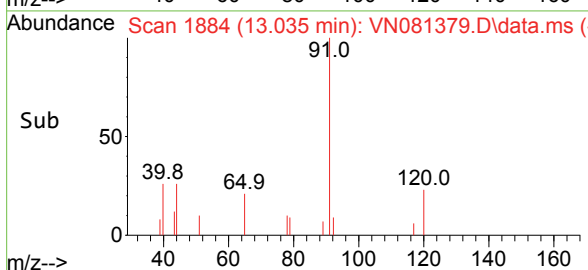
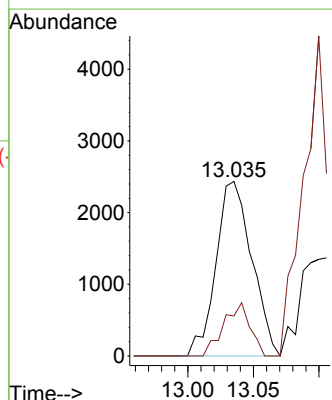
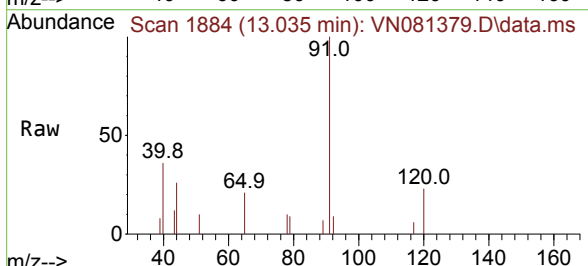
Acq: 12 Mar 2024 17:50

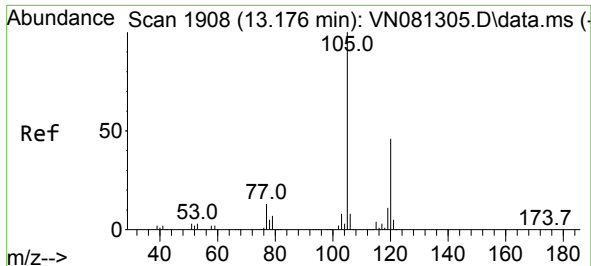
Tgt Ion: 91 Resp: 4624

Ion Ratio Lower Upper

91 100

120 22.5 10.3 30.9

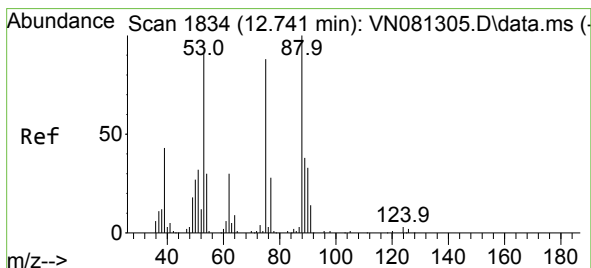
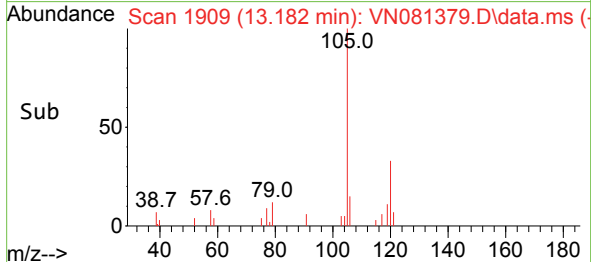
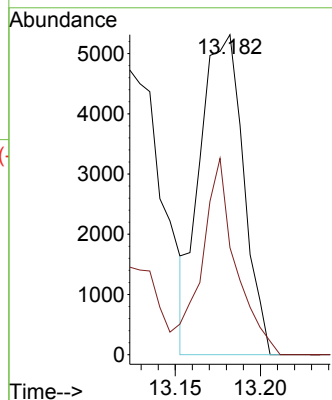
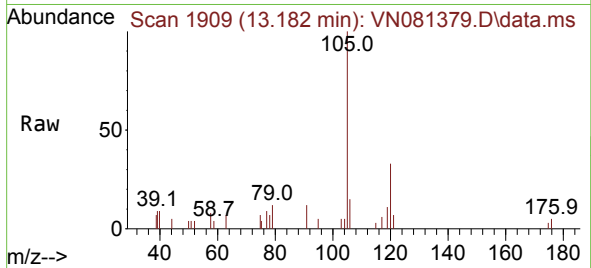




#80
1,3,5-Trimethylbenzene
Concen: 0.709 ug/l
RT: 13.182 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

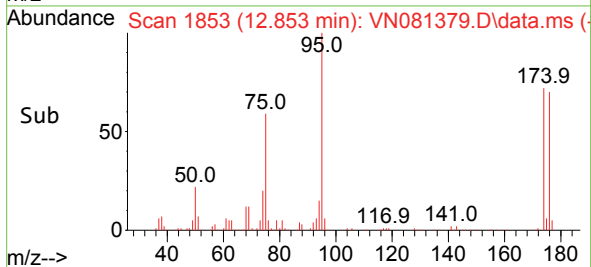
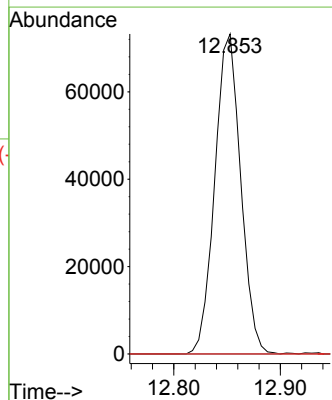
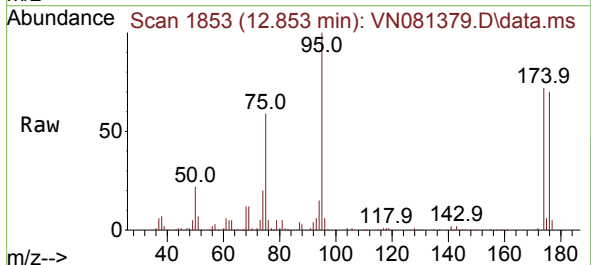
Instrument :
MSVOA_N
ClientSampleId :
1344

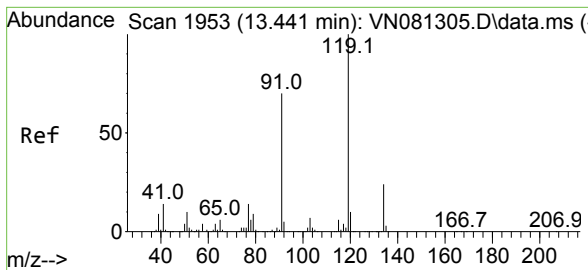
Tgt Ion:105 Resp: 9392
Ion Ratio Lower Upper
105 100
120 48.3 23.0 69.0



#81
trans-1,4-Dichloro-2-butene
Concen: 73.542 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

Tgt Ion: 75 Resp: 123491
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

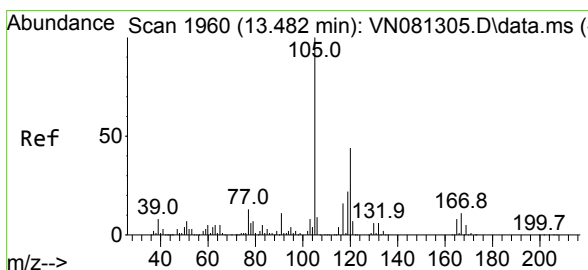
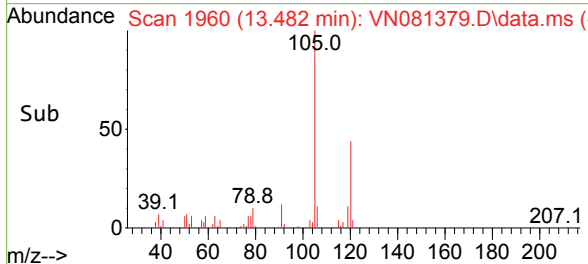
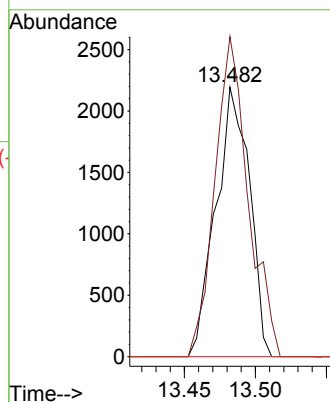
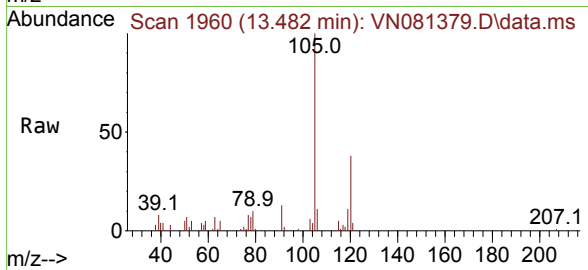




#83
tert-Butylbenzene
Concen: 0.319 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.041 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

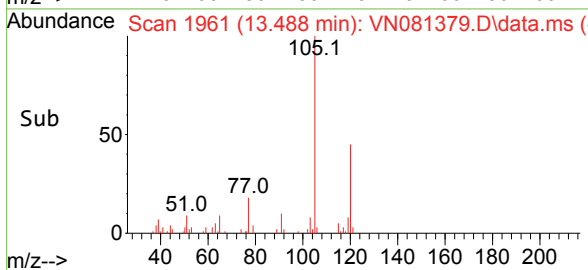
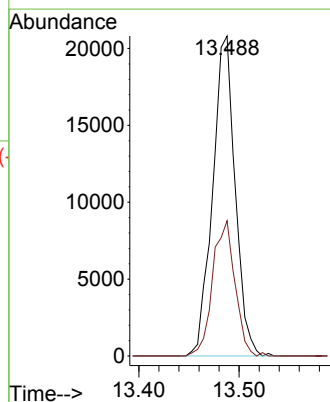
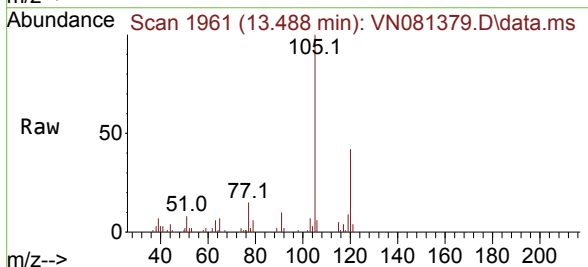
Instrument :
MSVOA_N
ClientSampleId :
1344

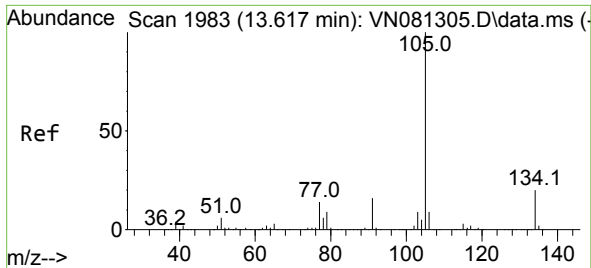
Tgt Ion:119 Resp: 3617
Ion Ratio Lower Upper
119 100
91 117.4 36.8 110.4#
134 0.0 12.4 37.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.417 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN081379.D
Acq: 12 Mar 2024 17:50

Tgt Ion:105 Resp: 32438
Ion Ratio Lower Upper
105 100
120 41.9 20.9 62.7

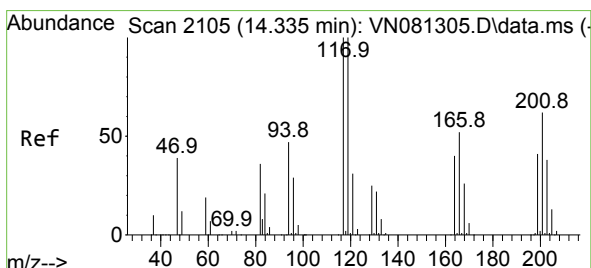
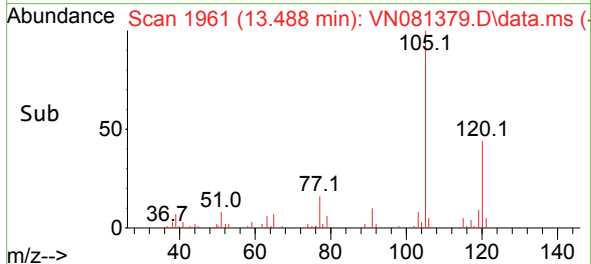
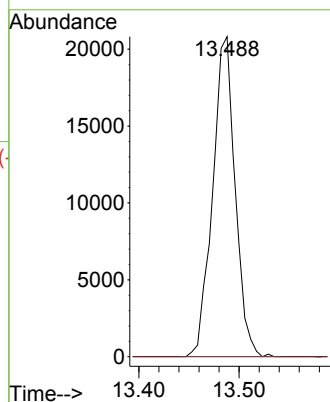
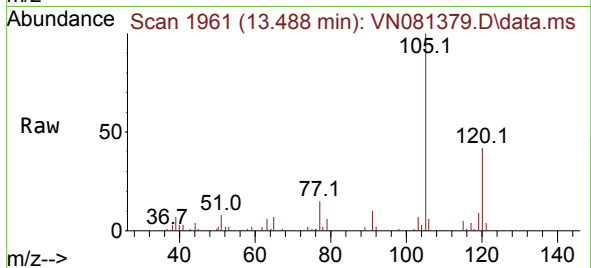




#85
 sec-Butylbenzene
 Concen: 1.975 ug/l
 RT: 13.488 min Scan# 1983
 Delta R.T. -0.129 min
 Lab File: VN081379.D
 Acq: 12 Mar 2024 17:50

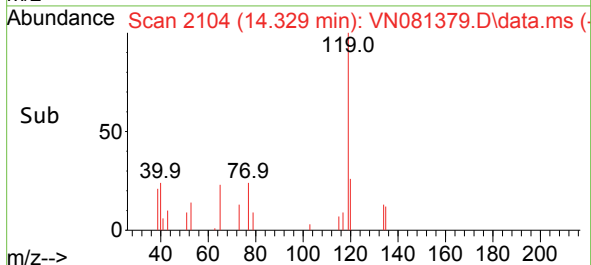
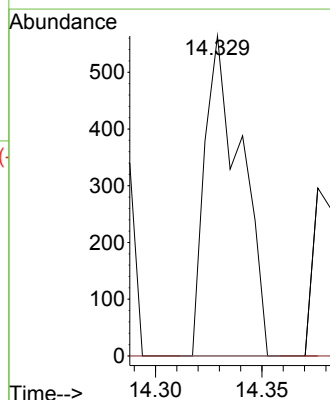
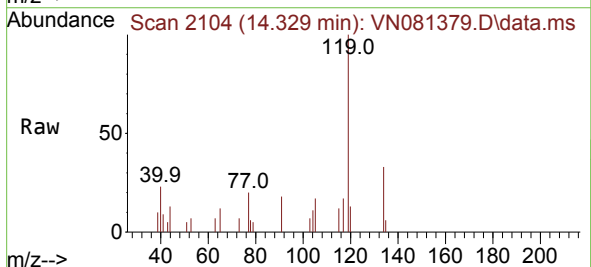
Instrument :
 MSVOA_N
 ClientSampleId :
 1344

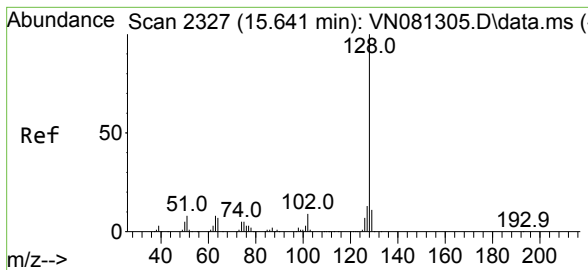
Tgt Ion:105 Resp: 32438
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.6 25.8#



#90
 Hexachloroethane
 Concen: 0.291 ug/l
 RT: 14.329 min Scan# 2104
 Delta R.T. -0.006 min
 Lab File: VN081379.D
 Acq: 12 Mar 2024 17:50

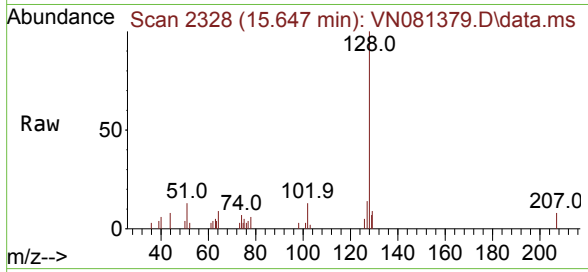
Tgt Ion:117 Resp: 670
 Ion Ratio Lower Upper
 117 100
 201 0.0 30.0 90.0#





#95
 Naphthalene
 Concen: 1.328 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN081379.D
 Acq: 12 Mar 2024 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 1344



Tgt Ion:	128	Resp:	17378
Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.0	15.0#
129	11.7	8.7	13.1

