

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082423\
 Data File : VN079029.D
 Acq On : 24 Aug 2023 14:17
 Operator : JC\MD
 Sample : 04093-04
 Misc : 7.51g/5.0mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 25 01:13:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

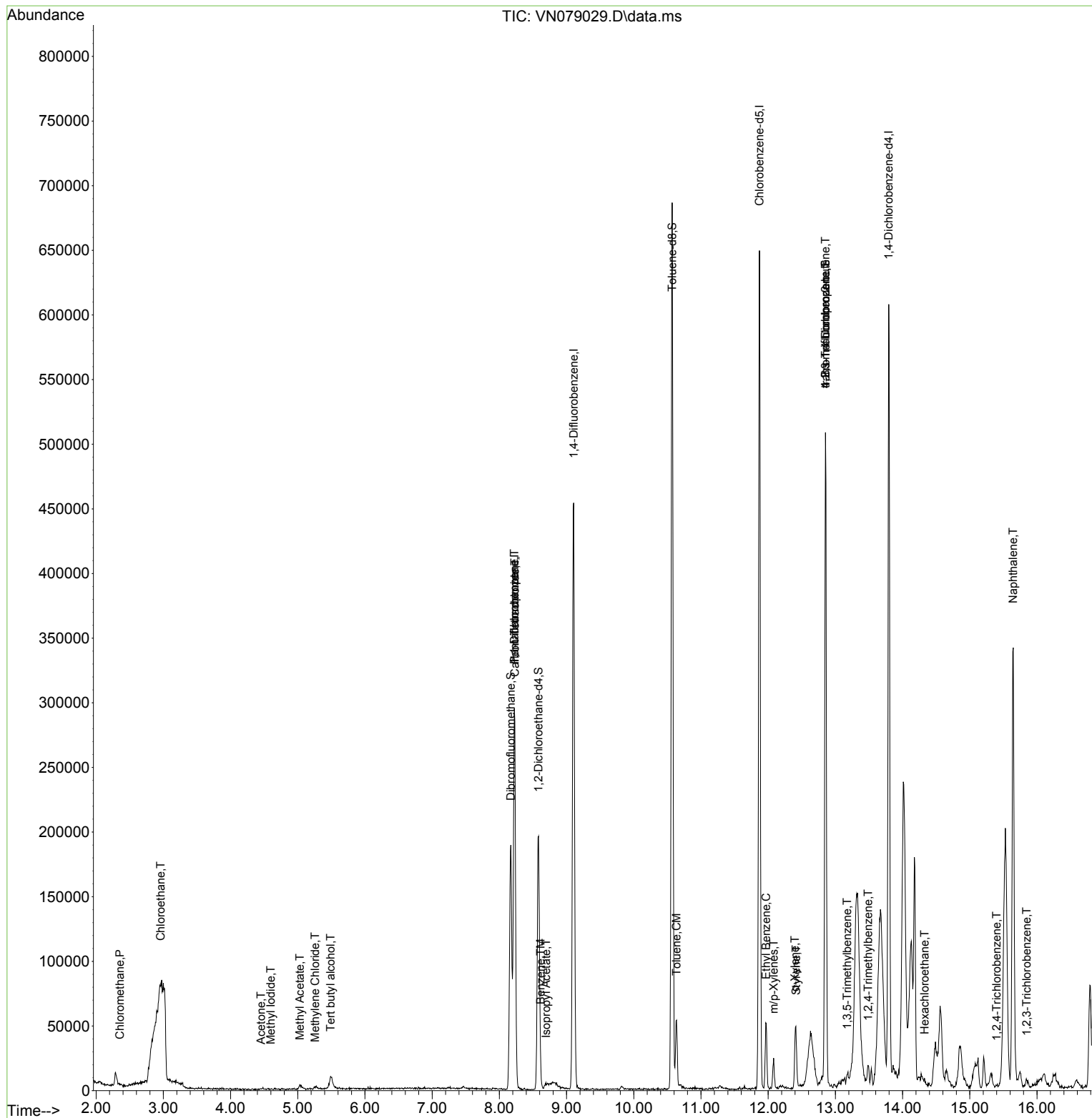
Internal Standards						
1) Pentafluorobenzene	8.224	168	214987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	356758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	153832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	158056	47.246	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.500%
35) Dibromofluoromethane	8.171	113	129182	48.597	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.200%
50) Toluene-d8	10.571	98	463138	46.922	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.840%
62) 4-Bromofluorobenzene	12.853	95	164219	50.902	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	885	0.212	ug/l	96
6) Chloroethane	2.959	64	14955	5.857	ug/l #	57
10) Methyl Iodide	4.600	142	544	0.205	ug/l #	38
11) Tert butyl alcohol	5.489	59	8804	15.683	ug/l #	74
16) Acetone	4.453	43	543	0.393	ug/l #	40
18) Methyl Acetate	5.030	43	5354	0.918	ug/l #	59
20) Methylene Chloride	5.259	84	1618	0.550	ug/l #	68
31) Cyclohexane	8.224	56	6294	Below Cal	#	55
36) 1,1-Dichloropropene	8.224	75	18051	4.514	ug/l #	47
38) Carbon Tetrachloride	8.230	117	22330	5.573	ug/l #	19
40) Benzene	8.612	78	5807	0.491	ug/l	98
43) Isopropyl Acetate	8.694	43	4497	0.569	ug/l #	49
52) Toluene	10.635	92	21949	3.025	ug/l	98
67) Ethyl Benzene	11.970	91	35268	2.554	ug/l	90
68) m/p-Xylenes	12.082	106	6252	1.211	ug/l	97
69) o-Xylene	12.400	106	9512	1.894	ug/l	91
70) Styrene	12.418	104	13318	1.590	ug/l	97
76) 1,2,3-Trichloropropane	12.853	75	91883	24.789	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	2455	0.242	ug/l	85
81) trans-1,4-Dichloro-2-b...	12.853	75	91883	63.325	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.488	105	8697	0.864	ug/l	93
90) Hexachloroethane	14.329	117	441	0.234	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.682	75	217	Below Cal	#	4
93) 1,2,4-Trichlorobenzene	15.400	180	530	0.283	ug/l	97
95) Naphthalene	15.647	128	292894	41.764	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	710	0.347	ug/l	85

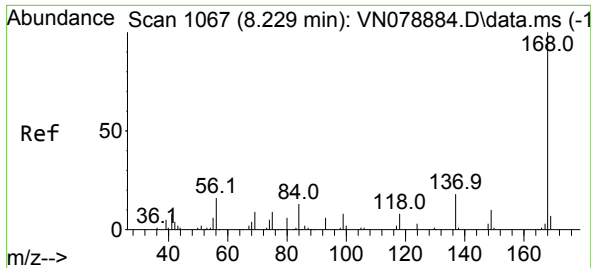
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082423\
Data File : VN079029.D
Acq On : 24 Aug 2023 14:17
Operator : JC\MD
Sample : 04093-04
Misc : 7.51g/5.0mL/100uL/5.0mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 25 01:13:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration

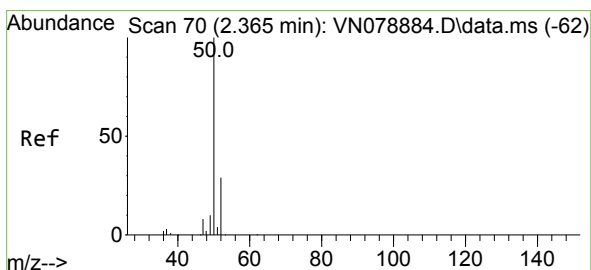
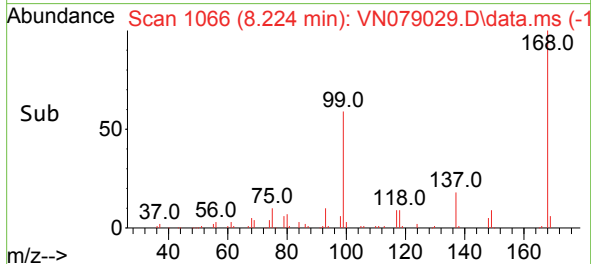
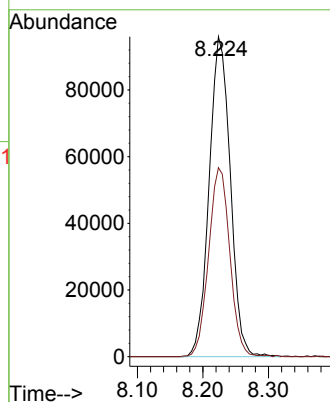
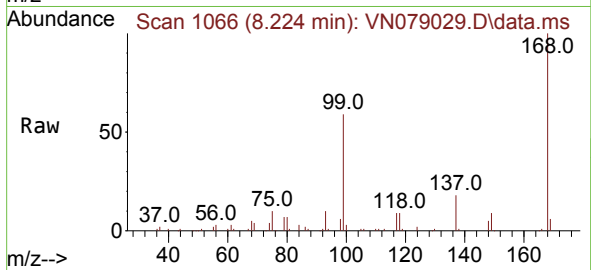




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

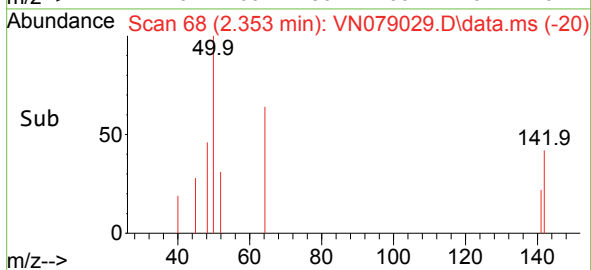
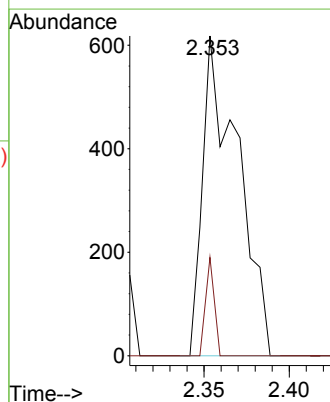
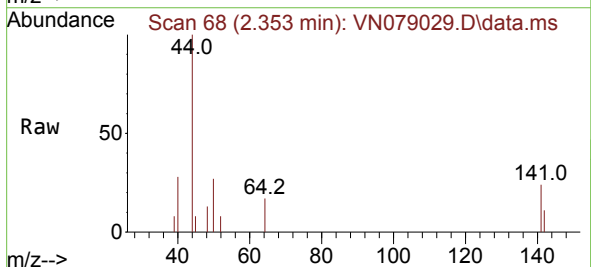
Instrument :
MSVOA_N
ClientSampleId :

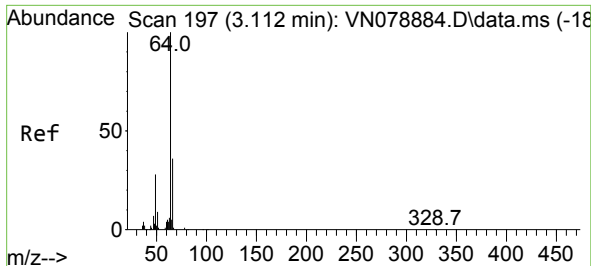
Tgt Ion:168 Resp: 214987
Ion Ratio Lower Upper
168 100
99 59.0 53.0 79.6



#3
Chloromethane
Concen: 0.212 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.018 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

Tgt Ion: 50 Resp: 885
Ion Ratio Lower Upper
50 100
52 30.7 26.5 39.7

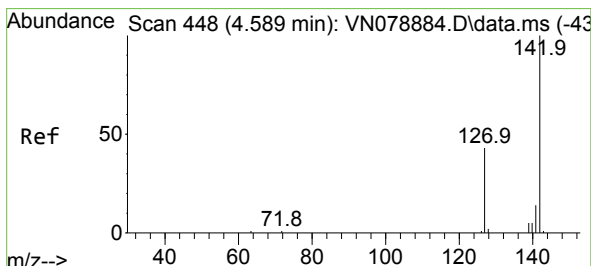
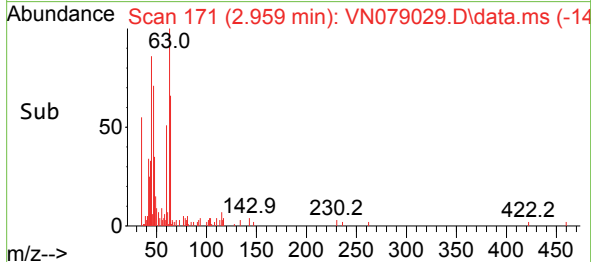
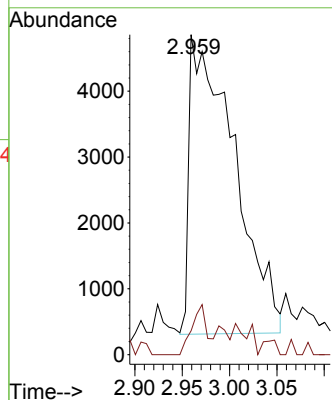
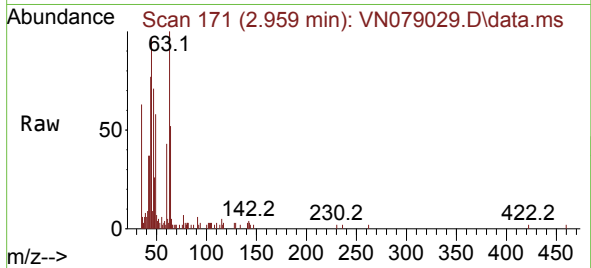




#6
Chloroethane
Concen: 5.857 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.159 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

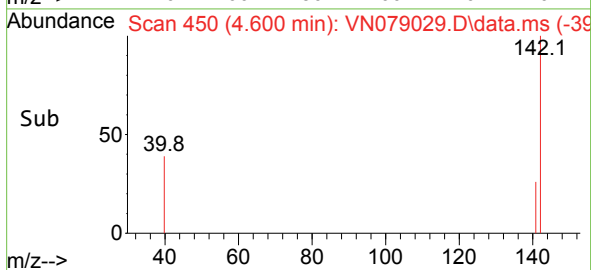
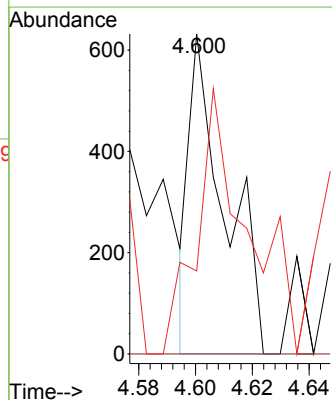
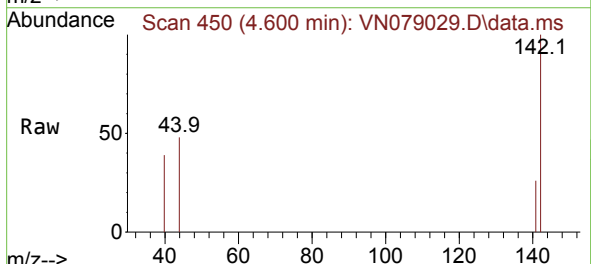
Instrument :
MSVOA_N
ClientSampleId :

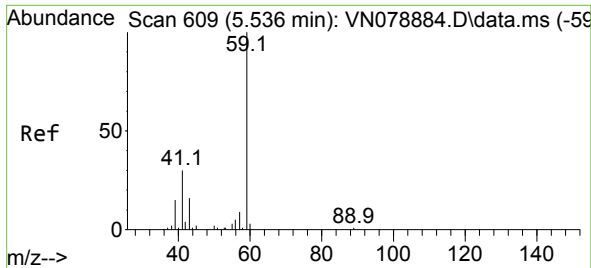
Tgt Ion: 64 Resp: 14955
Ion Ratio Lower Upper
64 100
66 8.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.205 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.000 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

Tgt Ion: 142 Resp: 544
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#

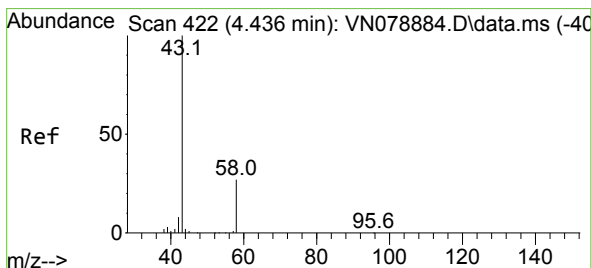
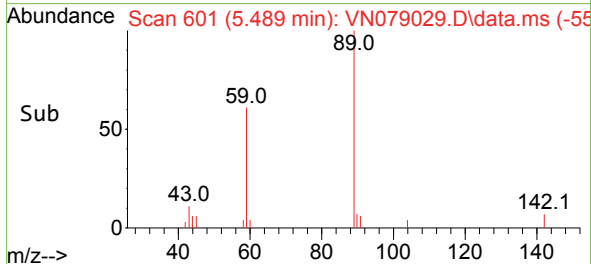
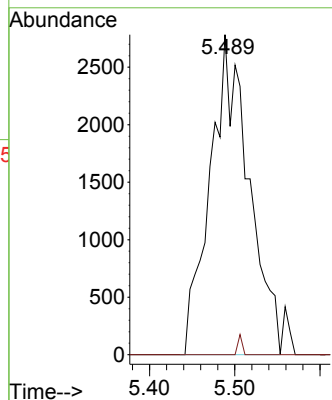
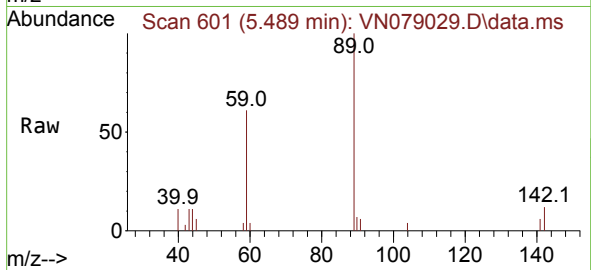




#11
Tert butyl alcohol
Concen: 15.683 ug/l
RT: 5.489 min Scan# 609
Delta R.T. -0.053 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

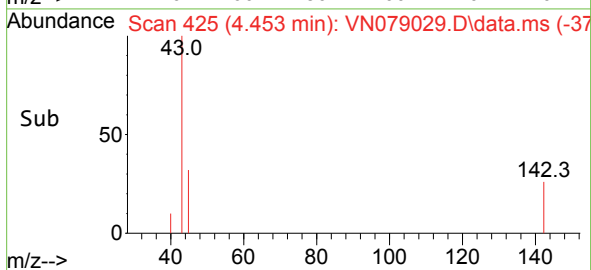
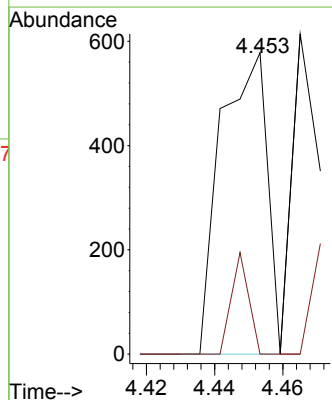
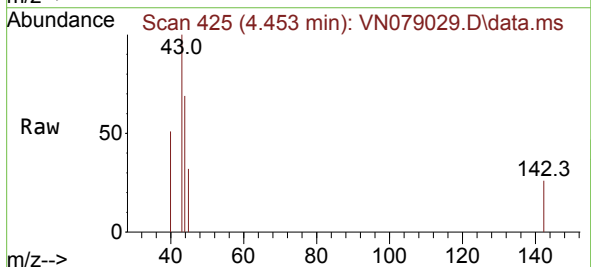
Instrument :
MSVOA_N
ClientSampleId :

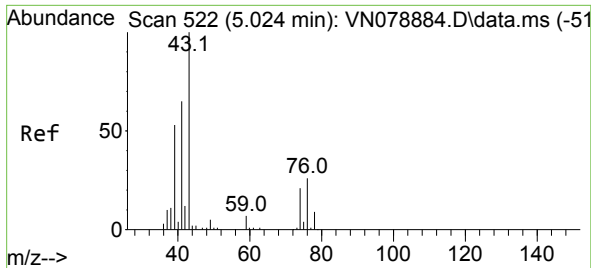
Tgt Ion: 59 Resp: 8804
Ion Ratio Lower Upper
59 100
57 0.7 8.2 12.4#



#16
Acetone
Concen: 0.393 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

Tgt Ion: 43 Resp: 543
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

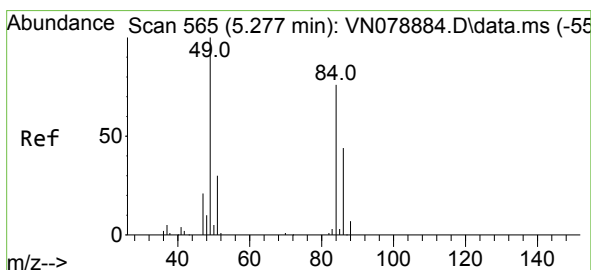
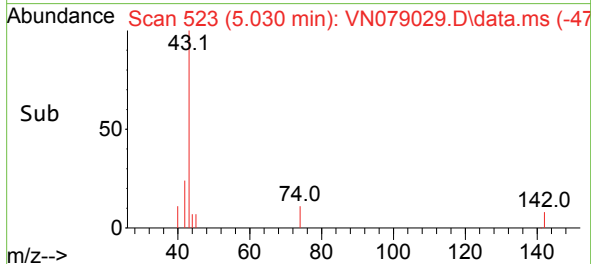
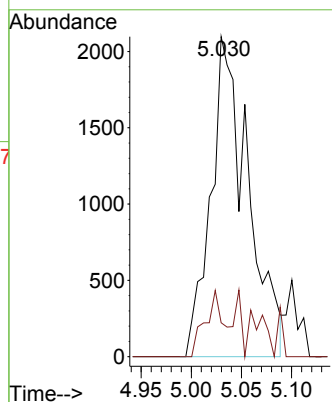
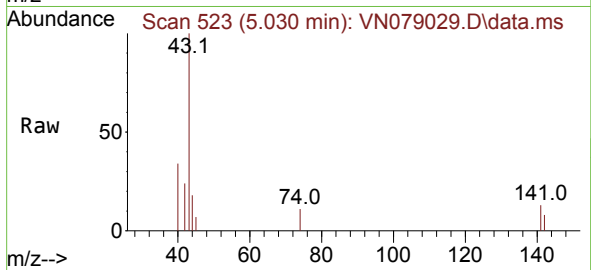




#18
Methyl Acetate
Concen: 0.918 ug/l
RT: 5.030 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

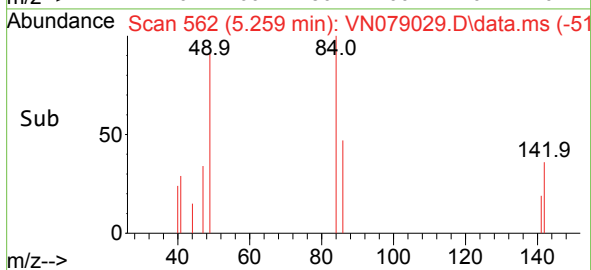
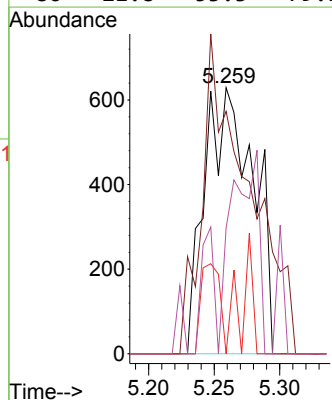
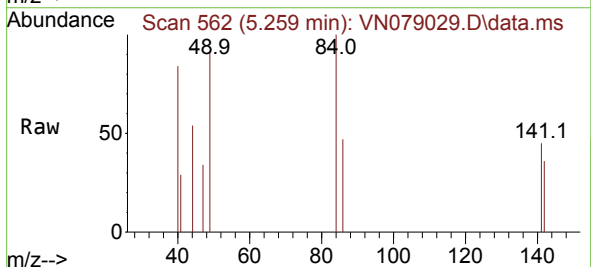
Instrument :
MSVOA_N
ClientSampleId :

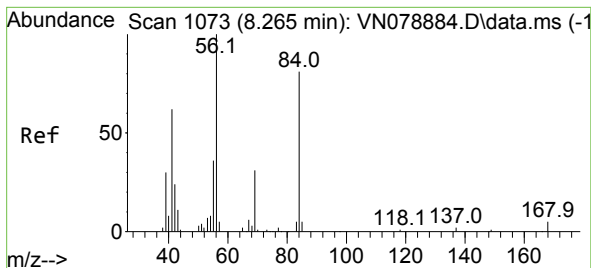
Tgt Ion: 43 Resp: 5354
Ion Ratio Lower Upper
43 100
74 9.8 26.2 39.4#



#20
Methylene Chloride
Concen: 0.550 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.024 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

Tgt Ion: 84 Resp: 1618
Ion Ratio Lower Upper
84 100
49 91.1 79.7 119.5
51 0.0 25.2 37.8#
86 21.8 53.3 79.9#





#31

Cyclohexane

Concen: Below Cal

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

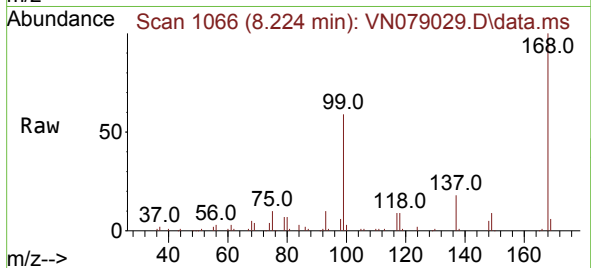
Lab File: VN079029.D

Acq: 24 Aug 2023 14:17

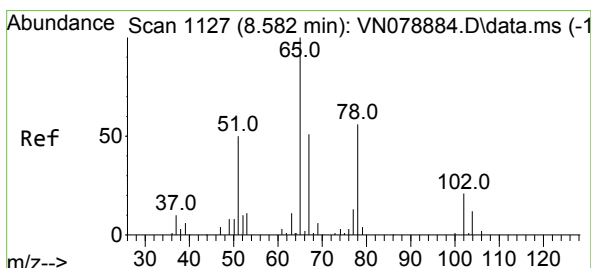
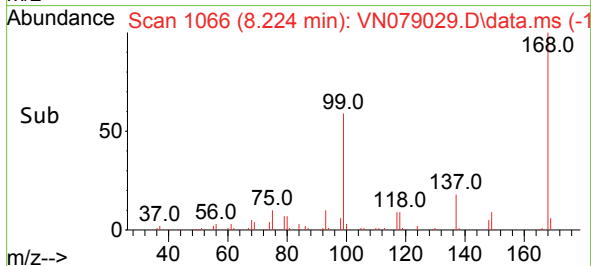
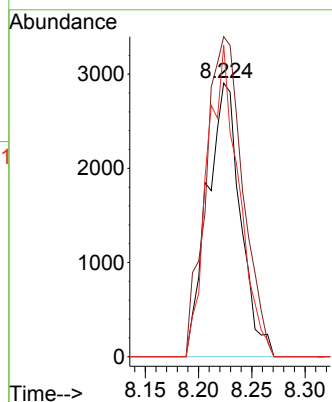
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 6294
Ion Ratio	Lower Upper
56	100
69	117.0 26.8 40.2
84	113.8 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 47.246 ug/l

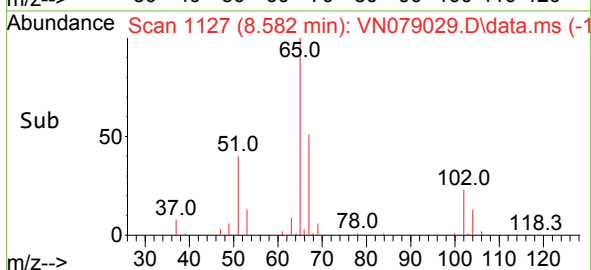
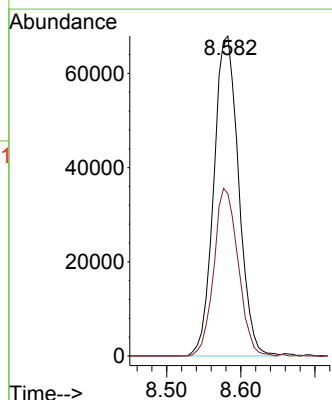
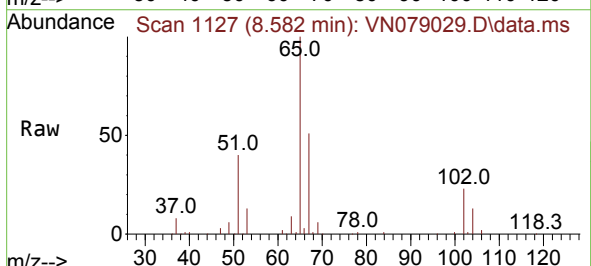
RT: 8.582 min Scan# 1127

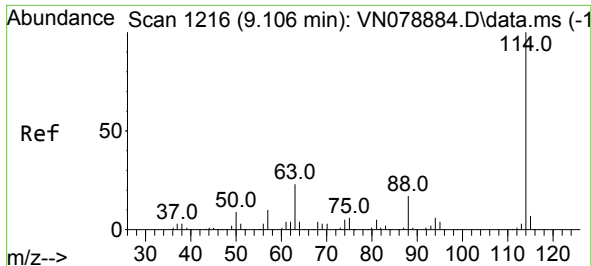
Delta R.T. -0.001 min

Lab File: VN079029.D

Acq: 24 Aug 2023 14:17

Tgt Ion: 65	Resp: 158056
Ion Ratio	Lower Upper
65	100
67	51.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079029.D

Acq: 24 Aug 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :

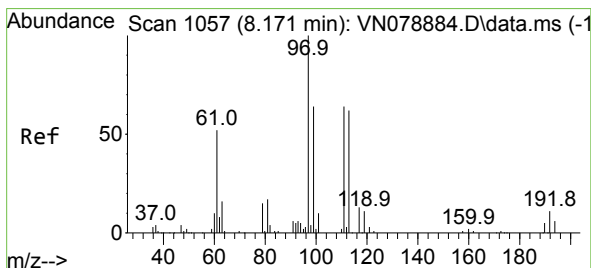
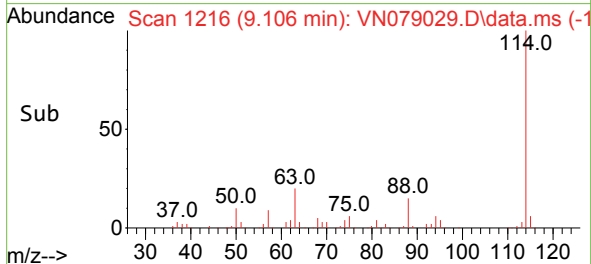
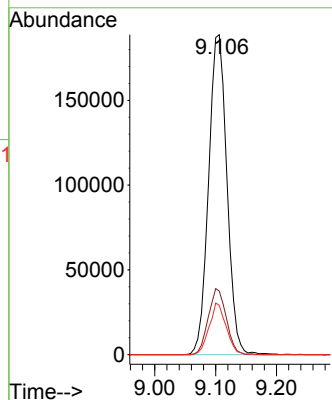
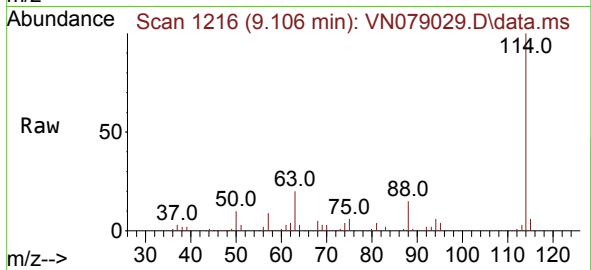
Tgt Ion:114 Resp: 394898

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.597 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079029.D

Acq: 24 Aug 2023 14:17

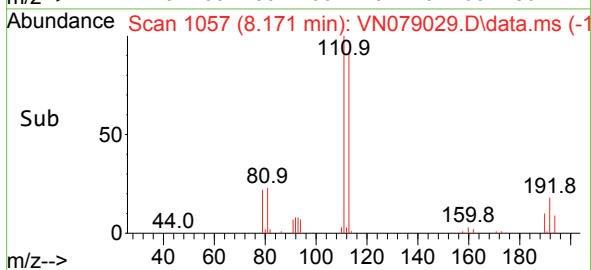
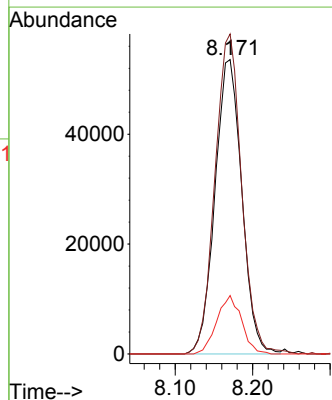
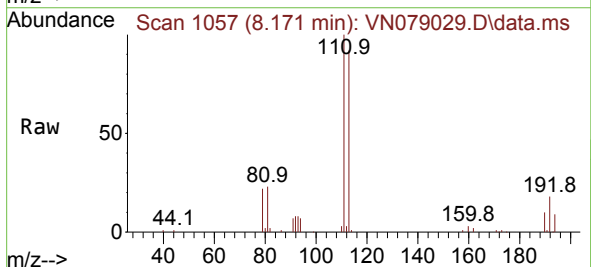
Tgt Ion:113 Resp: 129182

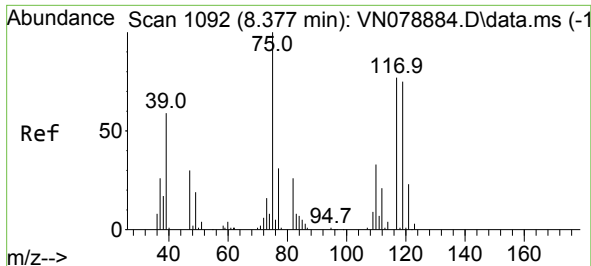
Ion Ratio Lower Upper

113 100

111 107.8 82.6 123.8

192 18.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.514 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

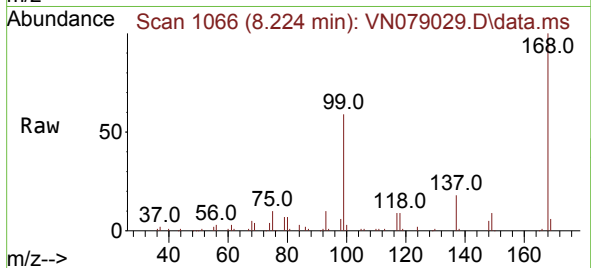
Lab File: VN079029.D

Acq: 24 Aug 2023 14:17

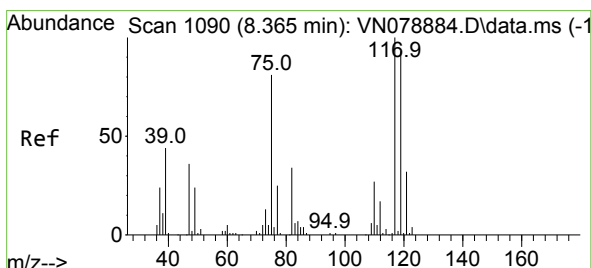
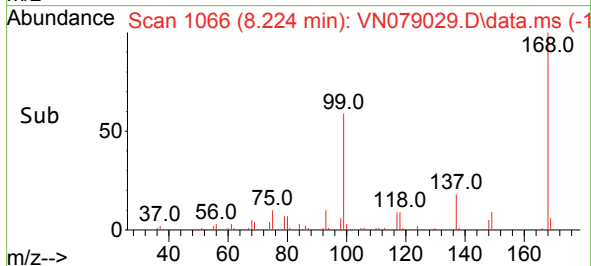
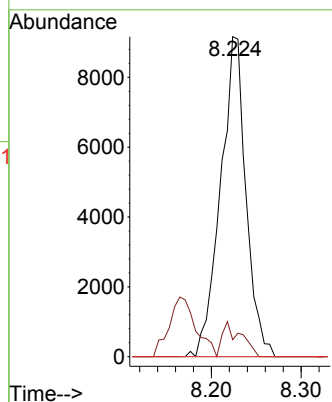
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	18051
Ion Ratio	100	Lower	Upper
110	8.0	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 5.573 ug/l

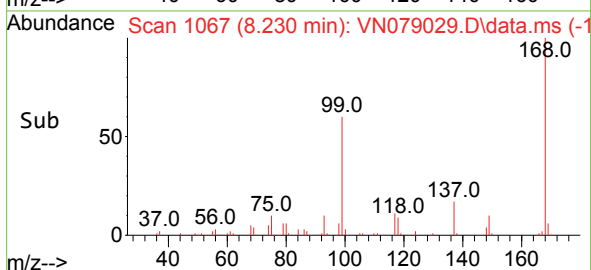
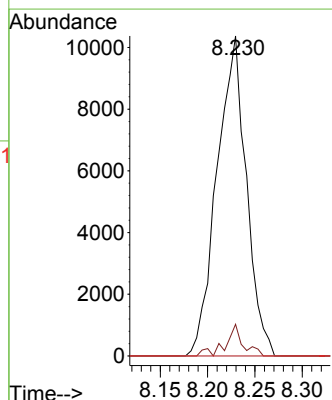
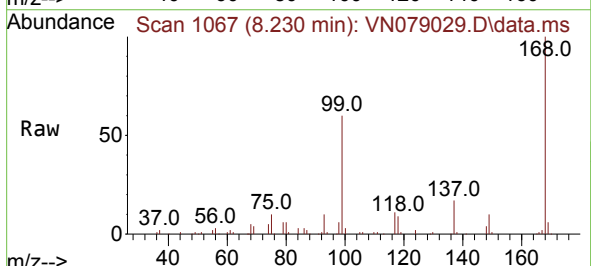
RT: 8.230 min Scan# 1067

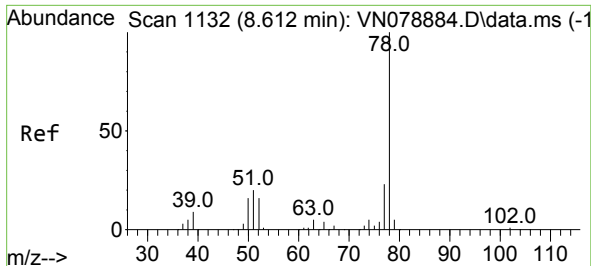
Delta R.T. -0.141 min

Lab File: VN079029.D

Acq: 24 Aug 2023 14:17

Tgt Ion:	117	Resp:	22330
Ion Ratio	100	Lower	Upper
119	9.9	77.3	115.9#
121	0.0	23.3	34.9#

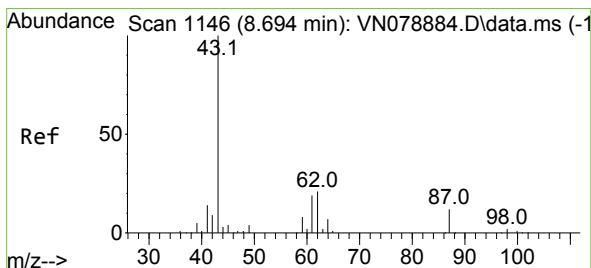
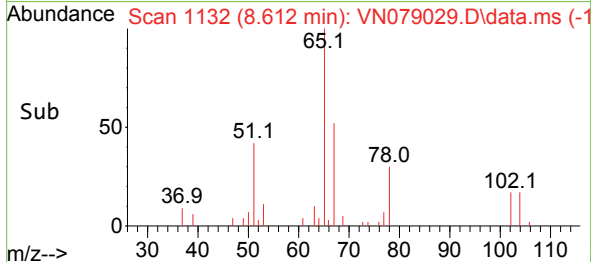
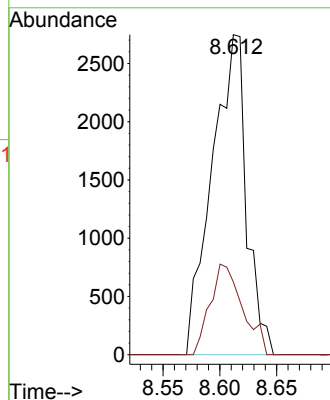
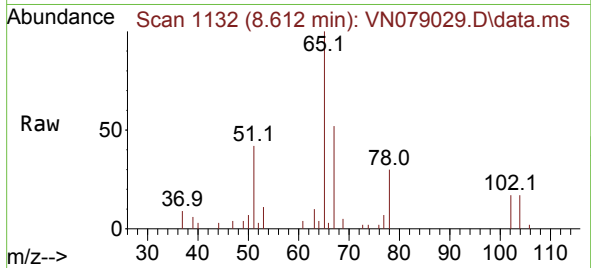




#40
Benzene
Concen: 0.491 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

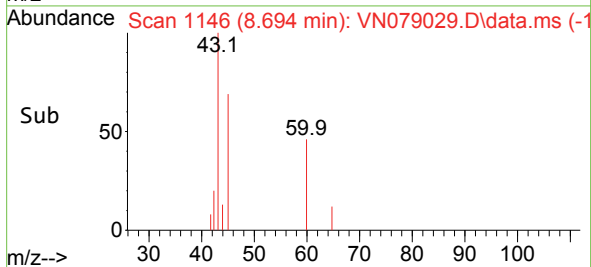
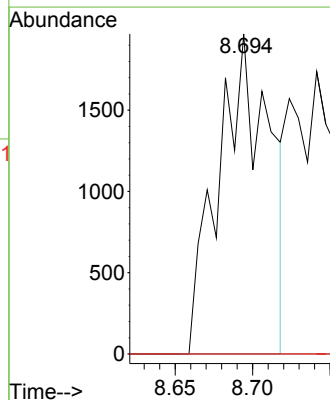
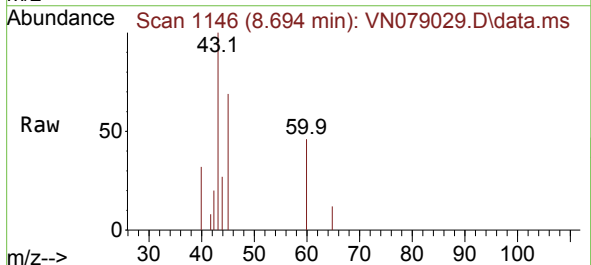
Instrument :
MSVOA_N
ClientSampleId :

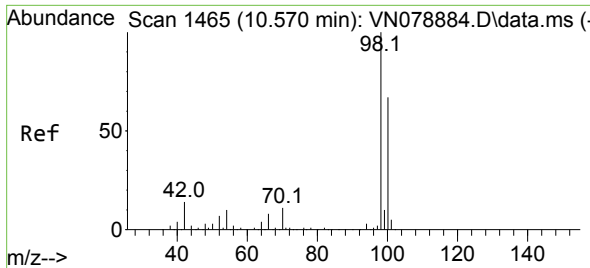
Tgt Ion: 78 Resp: 5807
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.6



#43
Isopropyl Acetate
Concen: 0.569 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

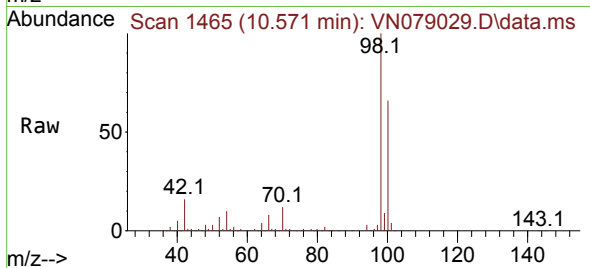
Tgt Ion: 43 Resp: 4497
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



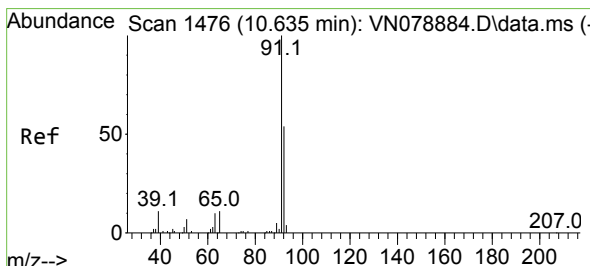
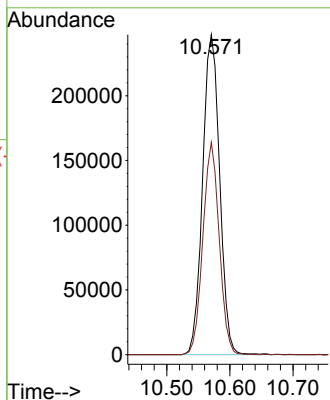
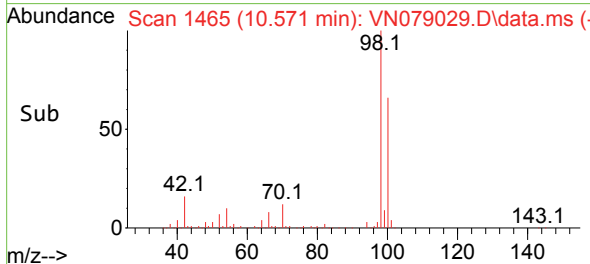


#50
Toluene-d8
Concen: 46.922 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

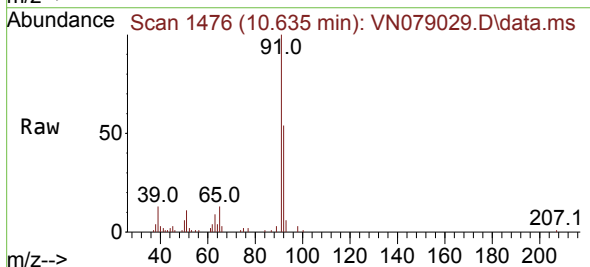
Instrument :
MSVOA_N
ClientSampleId :



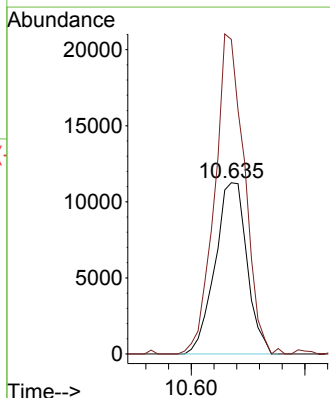
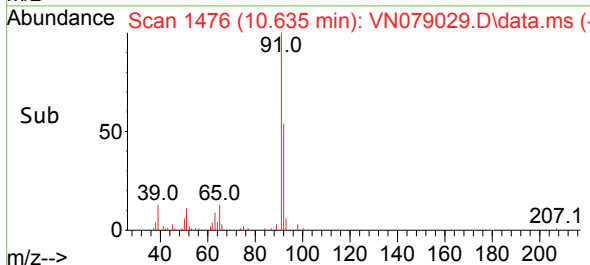
Tgt Ion: 98 Resp: 463138
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

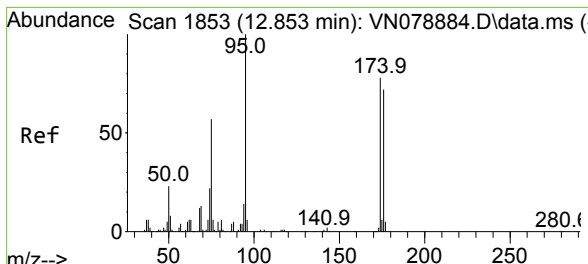


#52
Toluene
Concen: 3.025 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17



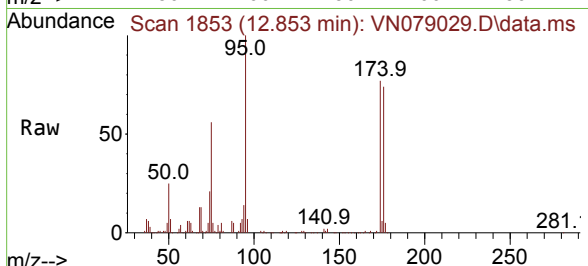
Tgt Ion: 92 Resp: 21949
Ion Ratio Lower Upper
92 100
91 173.9 137.4 206.0





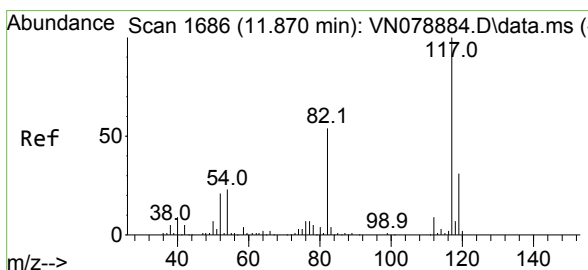
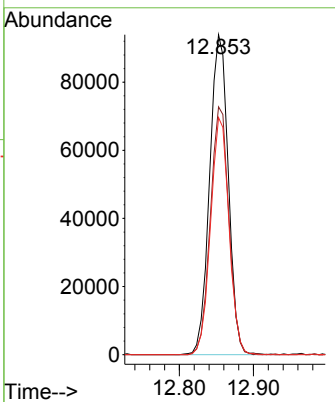
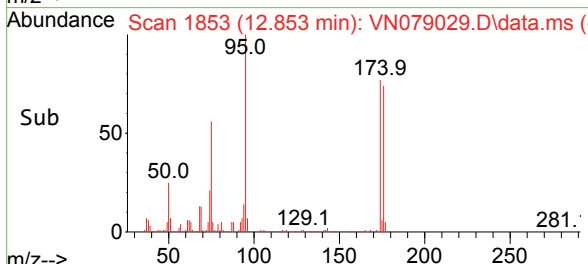
#62
 4-Bromofluorobenzene
 Concen: 50.902 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079029.D
 Acq: 24 Aug 2023 14:17

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 95 Resp: 164219

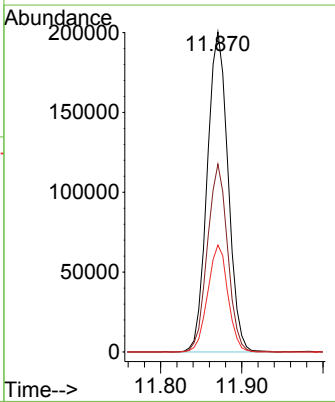
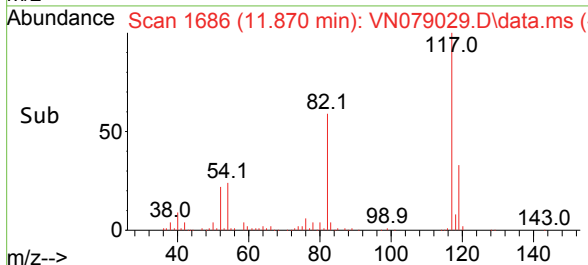
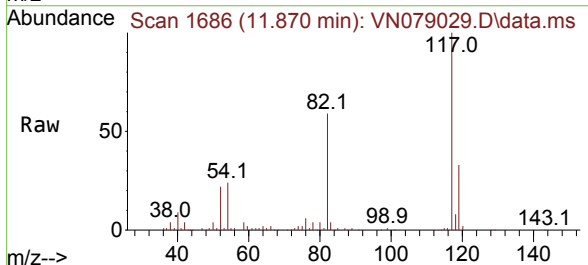
Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	143.8
176	73.0	0.0	135.8

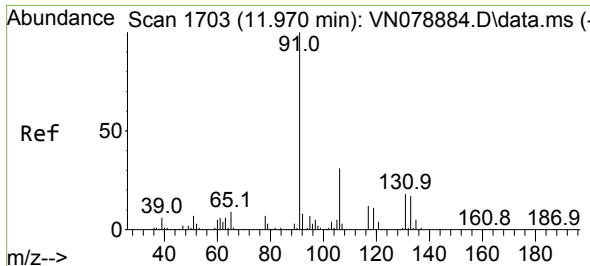


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN079029.D
 Acq: 24 Aug 2023 14:17

Tgt Ion: 117 Resp: 356758

Ion	Ratio	Lower	Upper
117	100		
82	58.7	44.0	66.0
119	33.4	25.6	38.4

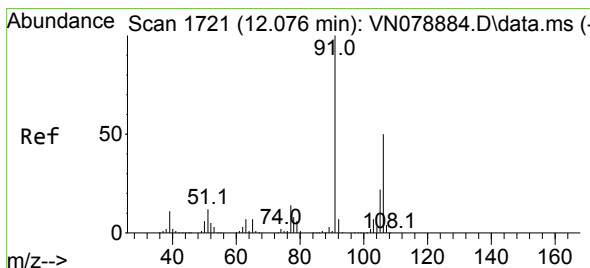
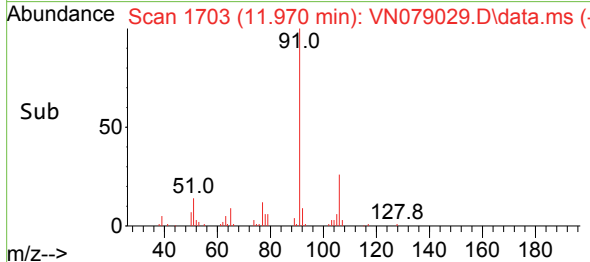
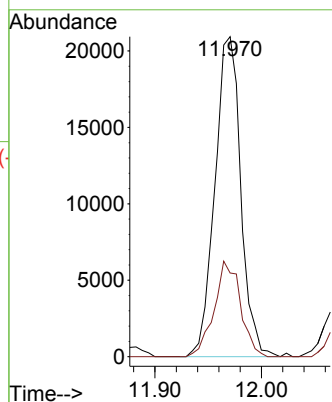
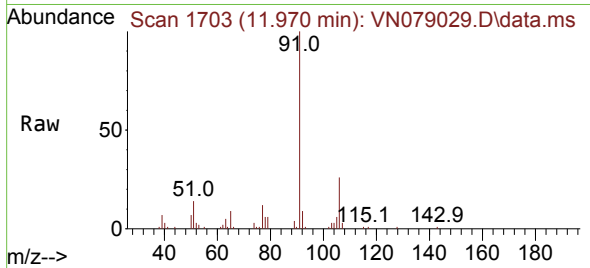




#67
Ethyl Benzene
Concen: 2.554 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

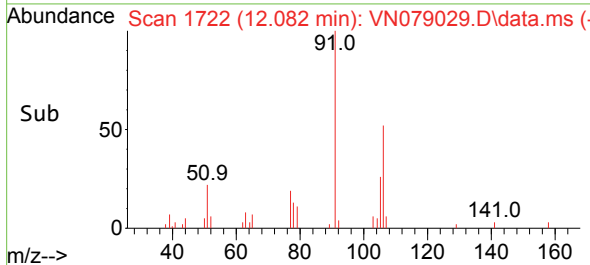
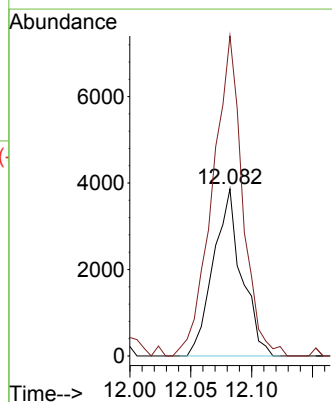
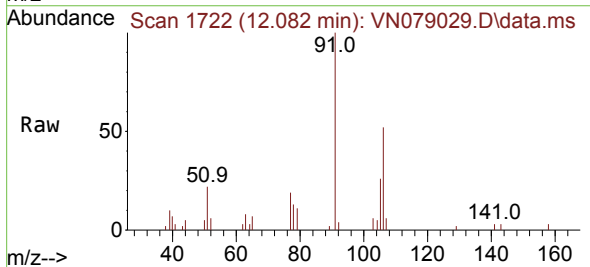
Instrument :
MSVOA_N
ClientSampleId :

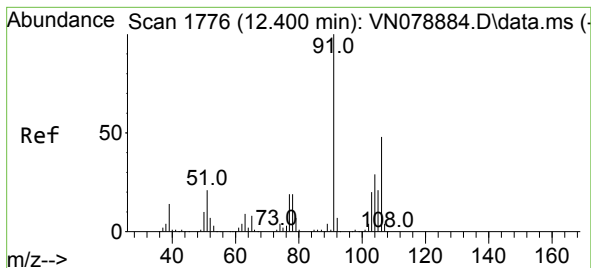
Tgt Ion: 91 Resp: 35268
Ion Ratio Lower Upper
91 100
106 26.2 25.6 38.4



#68
m/p-Xylenes
Concen: 1.211 ug/l
RT: 12.082 min Scan# 1722
Delta R.T. 0.006 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

Tgt Ion: 106 Resp: 6252
Ion Ratio Lower Upper
106 100
91 204.0 159.6 239.4





#69

o-Xylene

Concen: 1.894 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN079029.D

Acq: 24 Aug 2023 14:17

Instrument :

MSVOA_N

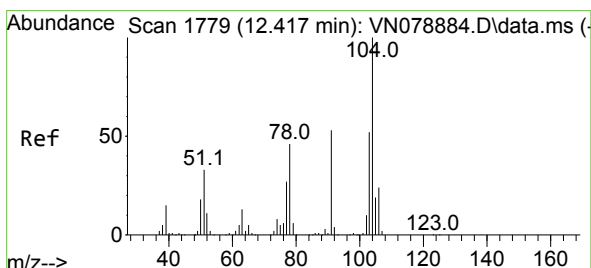
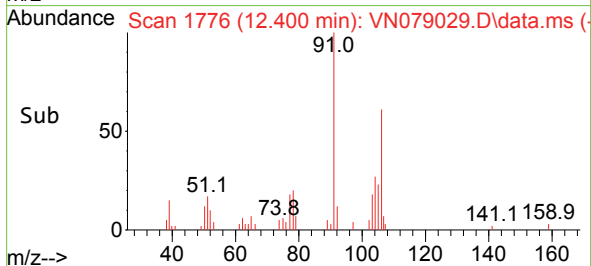
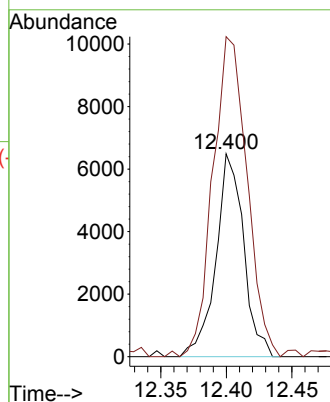
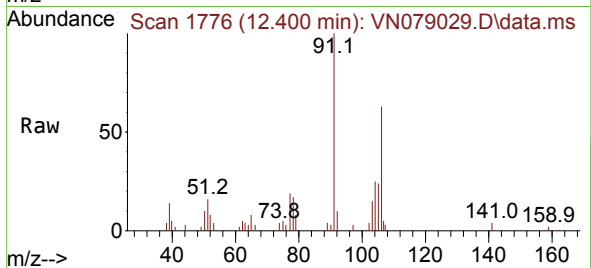
ClientSampleId :

Tgt Ion:106 Resp: 9512

Ion Ratio Lower Upper

106 100

91 195.6 105.2 315.5



#70

Styrene

Concen: 1.590 ug/l

RT: 12.418 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VN079029.D

Acq: 24 Aug 2023 14:17

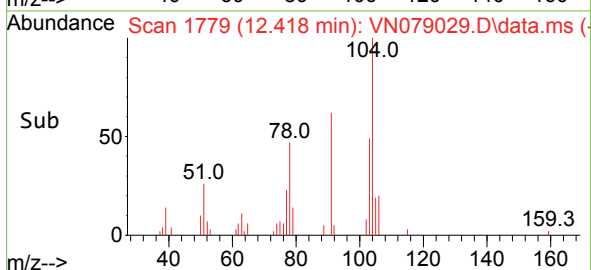
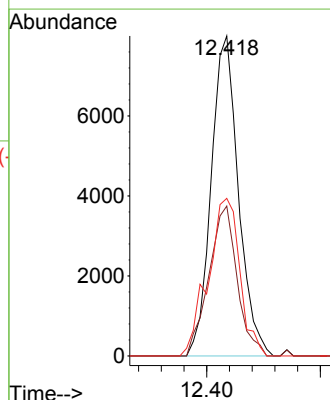
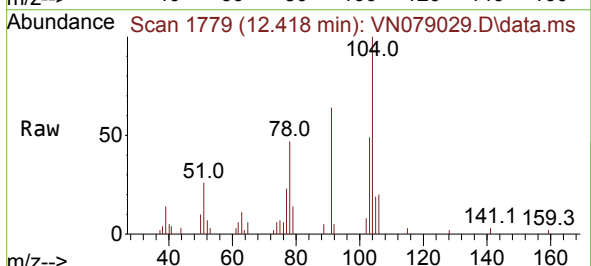
Tgt Ion:104 Resp: 13318

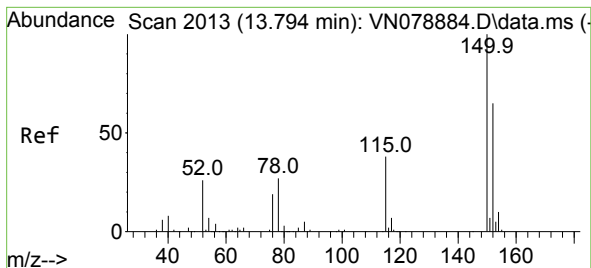
Ion Ratio Lower Upper

104 100

78 48.8 39.5 59.3

103 57.2 43.2 64.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN079029.D

Acq: 24 Aug 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :

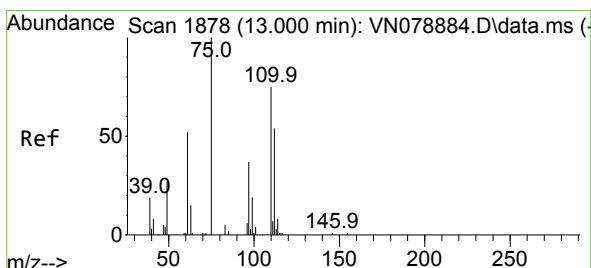
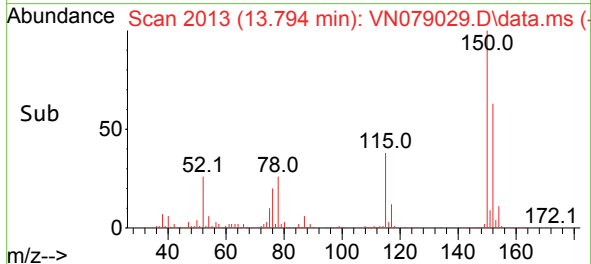
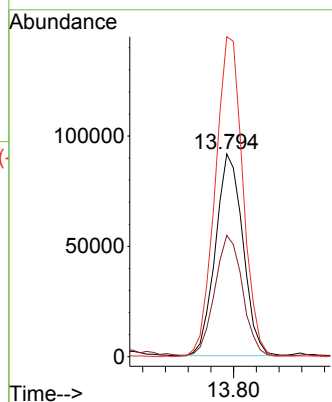
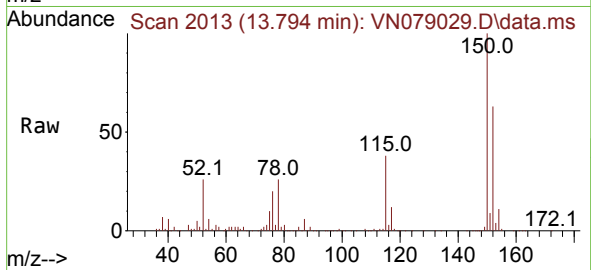
Tgt Ion:152 Resp: 153832

Ion Ratio Lower Upper

152 100

115 59.9 32.3 96.8

150 159.8 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 24.789 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079029.D

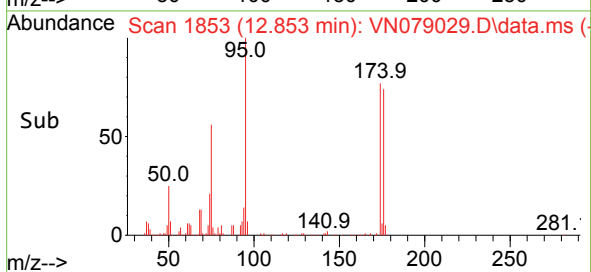
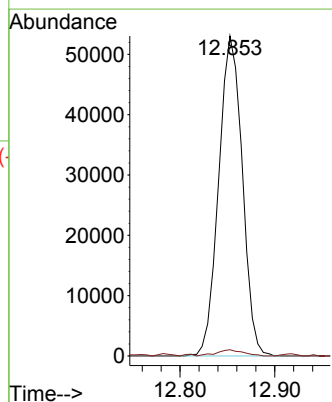
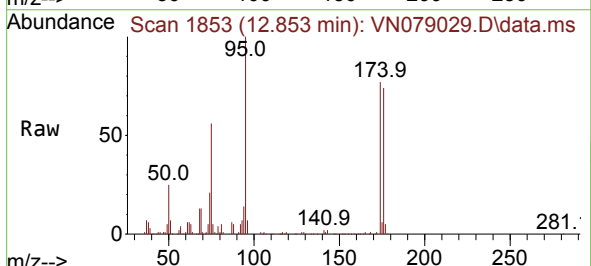
Acq: 24 Aug 2023 14:17

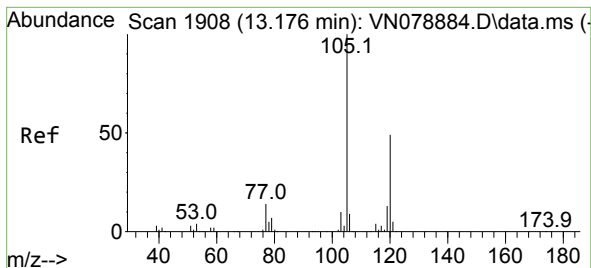
Tgt Ion: 75 Resp: 91883

Ion Ratio Lower Upper

75 100

77 2.2 84.5 253.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.242 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079029.D

Acq: 24 Aug 2023 14:17

Instrument :

MSVOA_N

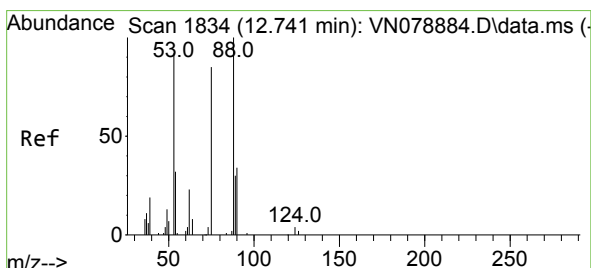
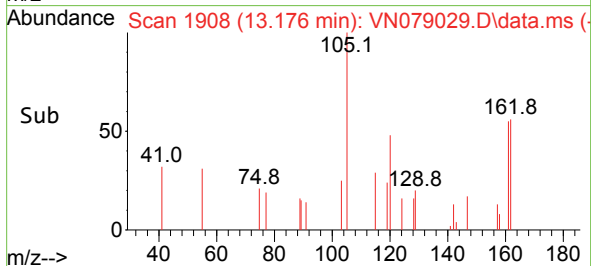
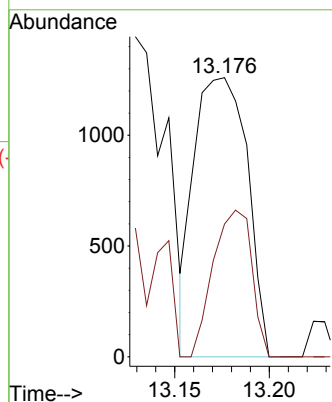
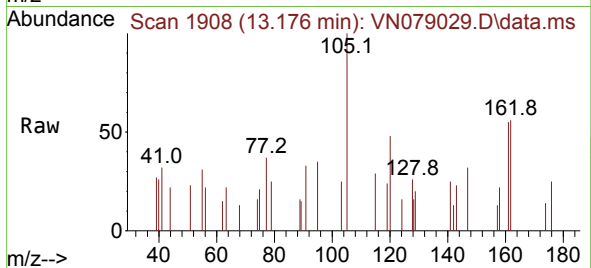
ClientSampleId :

Tgt Ion:105 Resp: 2455

Ion Ratio Lower Upper

105 100

120 38.3 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 63.325 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079029.D

Acq: 24 Aug 2023 14:17

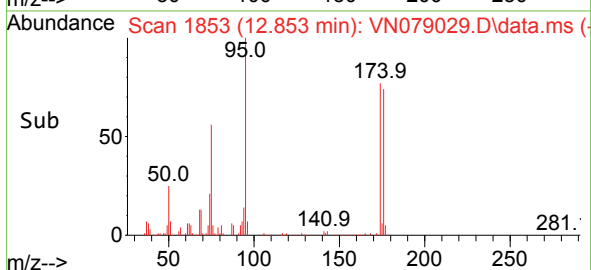
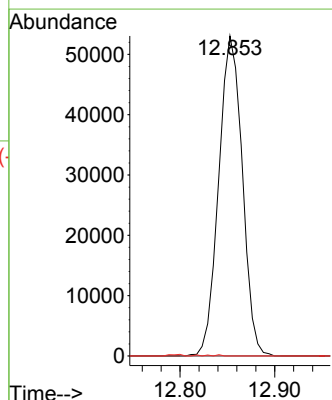
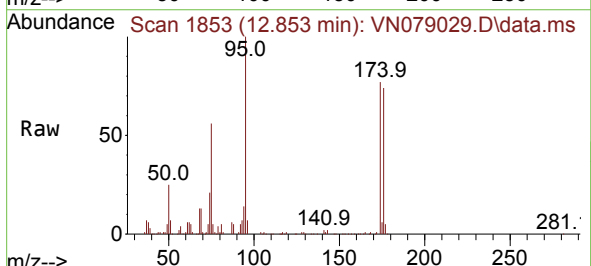
Tgt Ion: 75 Resp: 91883

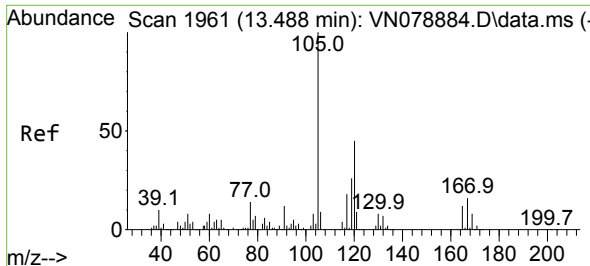
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

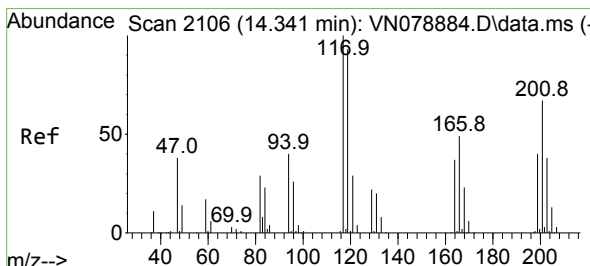
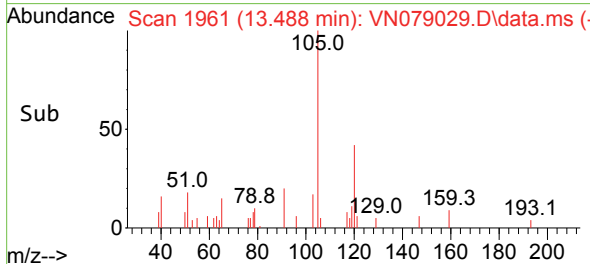
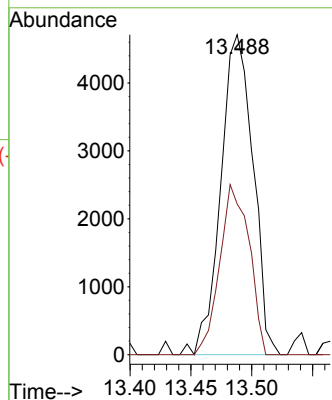
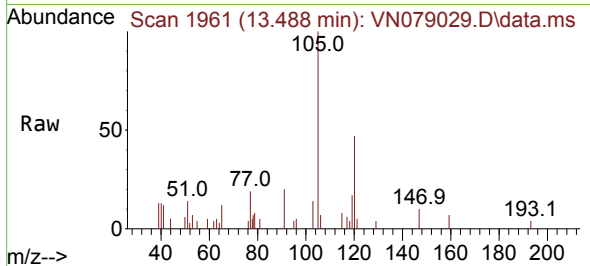




#84
1,2,4-Trimethylbenzene
Concen: 0.864 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

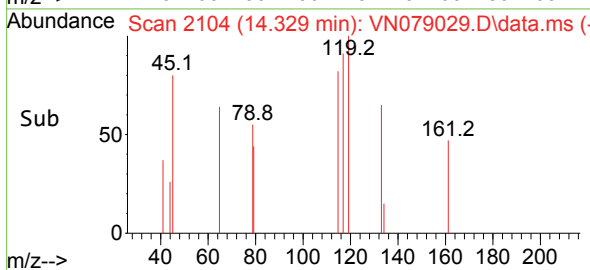
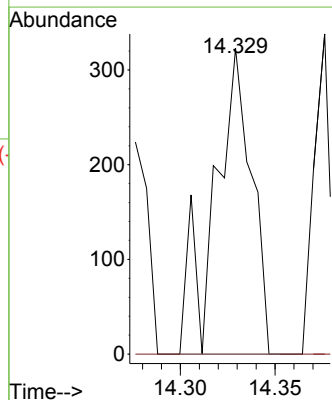
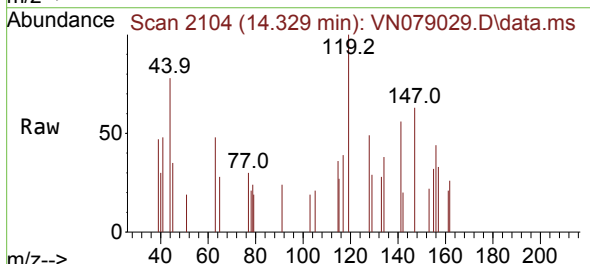
Instrument :
MSVOA_N
ClientSampleId :

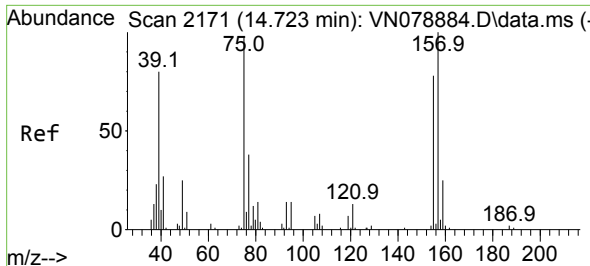
Tgt Ion:105 Resp: 8697
Ion Ratio Lower Upper
105 100
120 48.5 22.0 66.0



#90
Hexachloroethane
Concen: 0.234 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

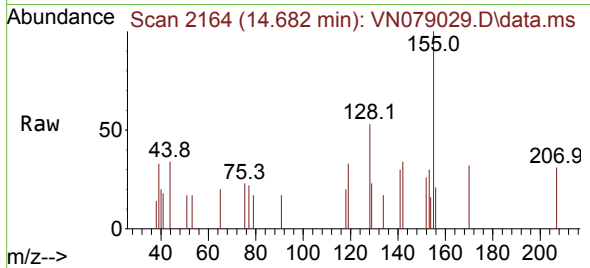
Tgt Ion:117 Resp: 441
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#



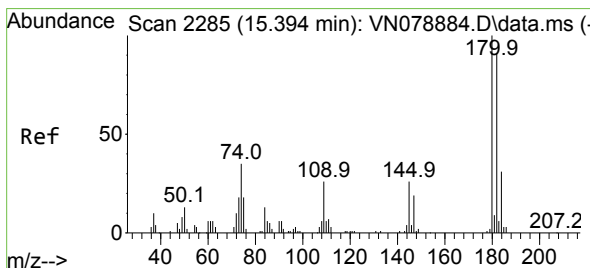
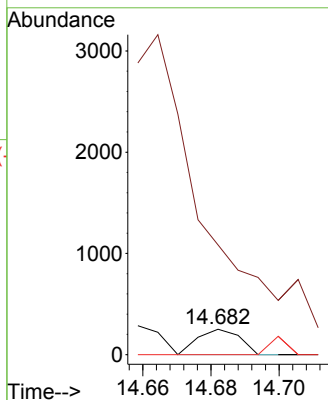
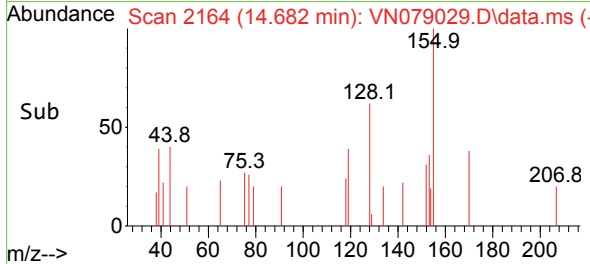


#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.682 min Scan# 2171
Delta R.T. -0.041 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17

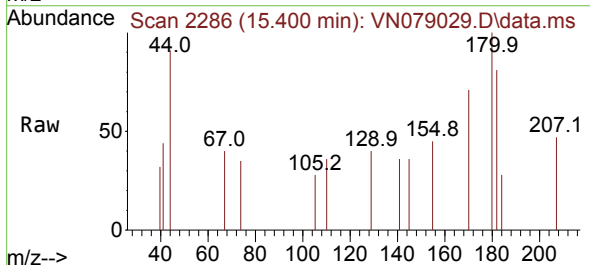
Instrument :
MSVOA_N
ClientSampleId :



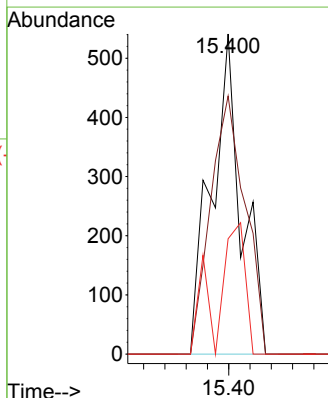
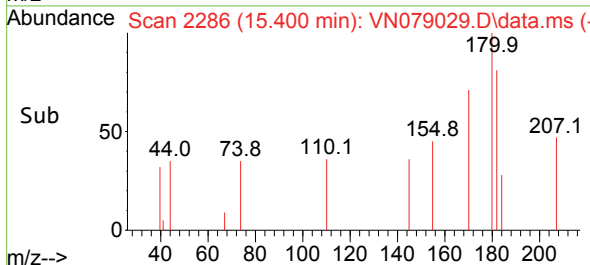
Tgt Ion: 75 Resp: 217
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#

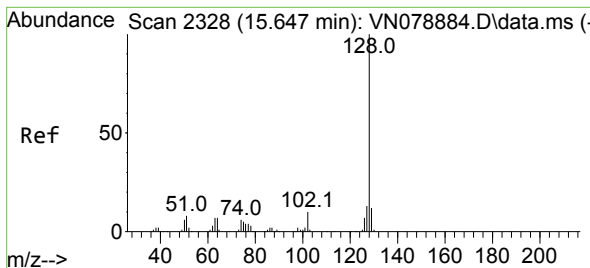


#93
1,2,4-Trichlorobenzene
Concen: 0.283 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN079029.D
Acq: 24 Aug 2023 14:17



Tgt Ion:180 Resp: 530
Ion Ratio Lower Upper
180 100
182 93.0 46.1 138.2
145 38.9 16.6 49.8





#95

Naphthalene

Concen: 41.764 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

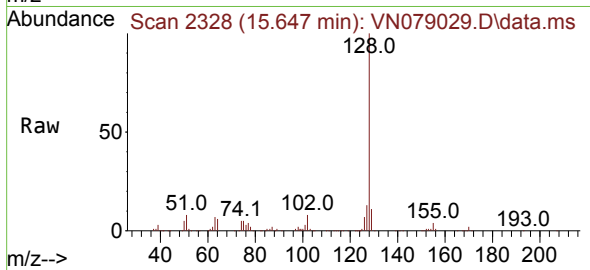
Lab File: VN079029.D

Acq: 24 Aug 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :



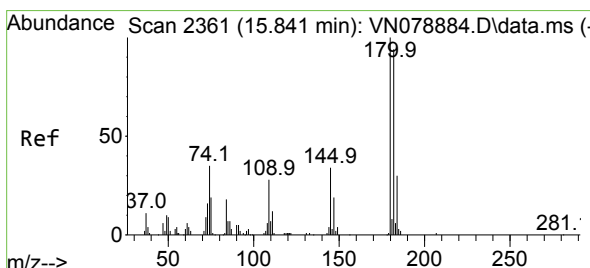
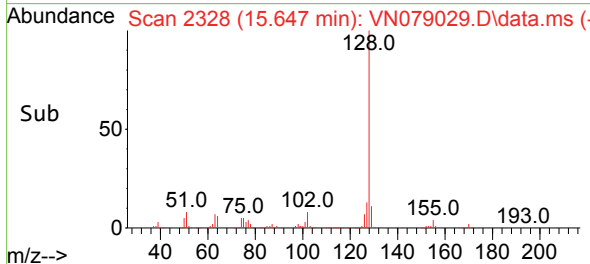
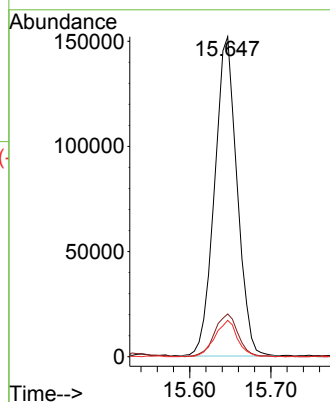
Tgt Ion:128 Resp: 292894

Ion Ratio Lower Upper

128 100

127 14.1 10.0 15.0

129 11.5 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.347 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. -0.000 min

Lab File: VN079029.D

Acq: 24 Aug 2023 14:17

Tgt Ion:180 Resp: 710

Ion Ratio Lower Upper

180 100

182 102.1 46.2 138.6

145 50.6 17.5 52.6

