

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082323\
 Data File : VN079014.D
 Acq On : 23 Aug 2023 14:23
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 01:11:02 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	8.229	168	142236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	270866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	250951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	74077	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	114540	51.750	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.500%	
35) Dibromofluoromethane	8.171	113	93939	51.521	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.040%	
50) Toluene-d8	10.570	98	339847	50.198	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.400%	
62) 4-Bromofluorobenzene	12.853	95	98298	44.420	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.840%	

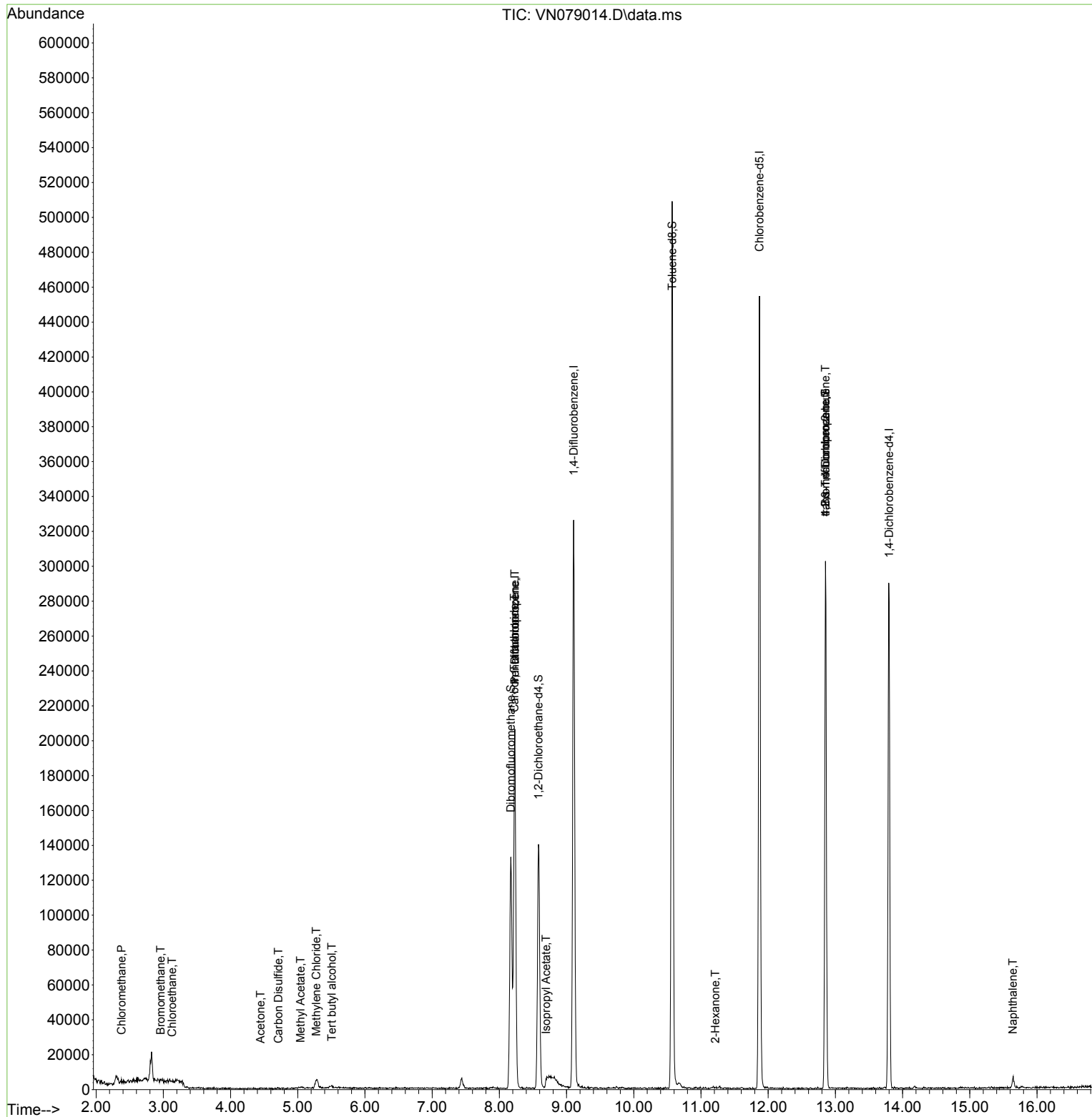
Target Compounds			Qvalue			
3) Chloromethane	2.377	50	901	0.327	ug/l	99
5) Bromomethane	2.959	94	499	0.360	ug/l #	57
6) Chloroethane	3.130	64	819	0.485	ug/l	100
11) Tert butyl alcohol	5.506	59	685	1.844	ug/l #	72
16) Acetone	4.447	43	292	0.320	ug/l #	60
17) Carbon Disulfide	4.712	76	1116	0.261	ug/l #	75
18) Methyl Acetate	5.041	43	825	0.214	ug/l	95
20) Methylene Chloride	5.277	84	2138	1.099	ug/l #	82
31) Cyclohexane	8.224	56	4106	Below Cal	#	54
36) 1,1-Dichloropropene	8.229	75	13404	4.887	ug/l #	48
38) Carbon Tetrachloride	8.224	117	15571	5.666	ug/l #	15
43) Isopropyl Acetate	8.694	43	2165	0.399	ug/l #	49
59) 2-Hexanone	11.212	43	539	0.231	ug/l #	19
76) 1,2,3-Trichloropropane	12.853	75	54255	30.397	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	54255	77.651	ug/l #	15
94) Hexachlorobutadiene	15.494	225	63	Below Cal	#	19
95) Naphthalene	15.641	128	5984	4.237	ug/l	100

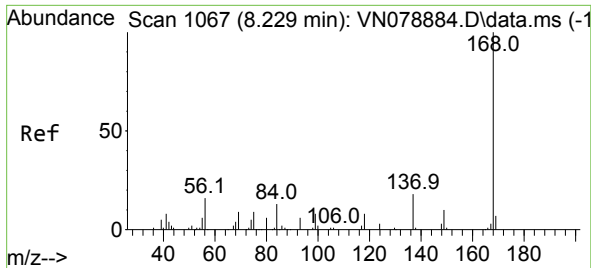
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

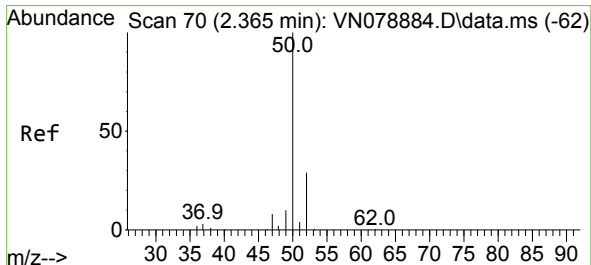
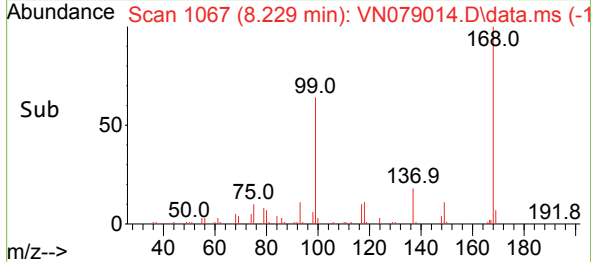
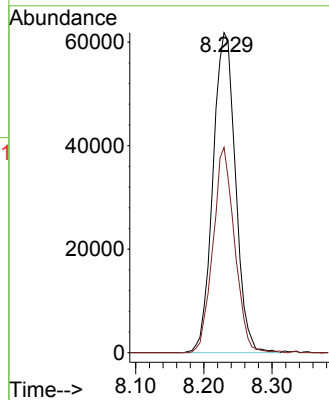
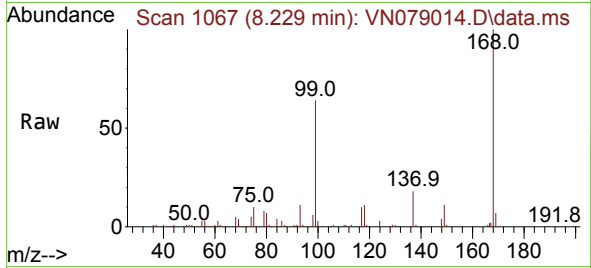




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

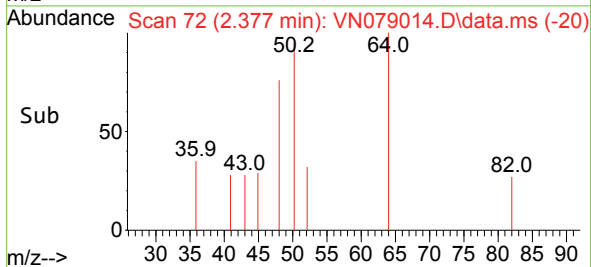
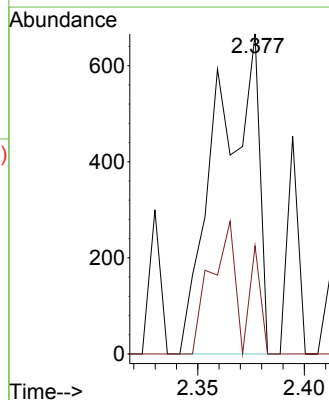
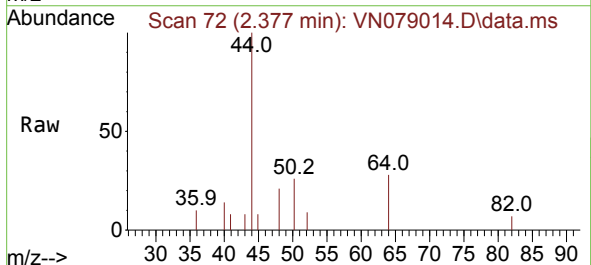
Instrument :
MSVOA_N
ClientSampleId :

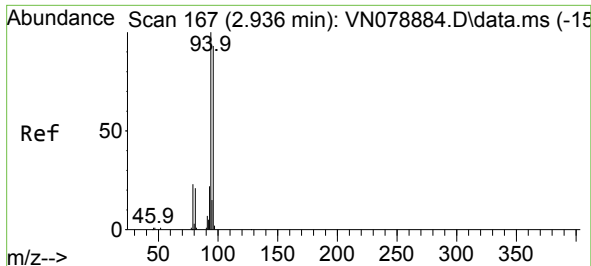
Tgt Ion:168 Resp: 142236
Ion Ratio Lower Upper
168 100
99 64.2 53.0 79.6



#3
Chloromethane
Concen: 0.327 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

Tgt Ion: 50 Resp: 901
Ion Ratio Lower Upper
50 100
52 33.8 26.5 39.7

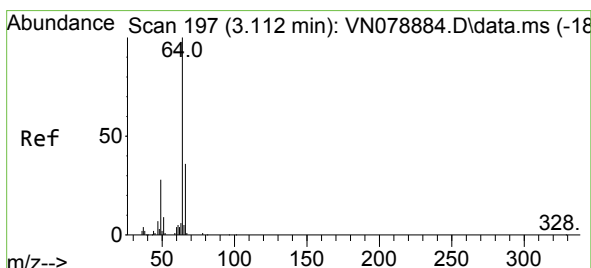
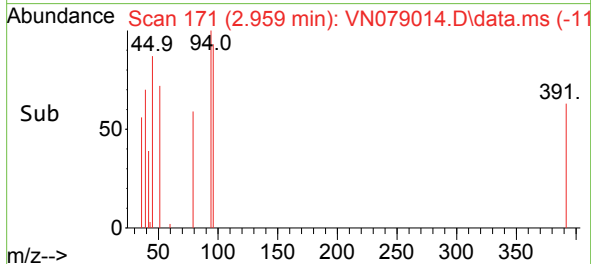
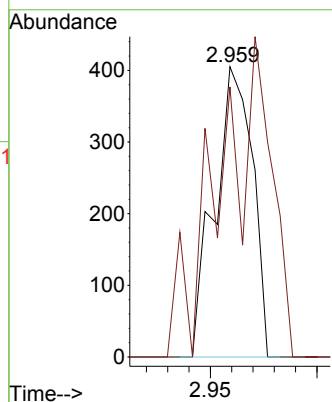
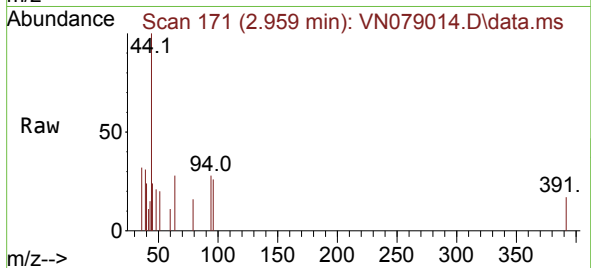




#5
Bromomethane
Concen: 0.360 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

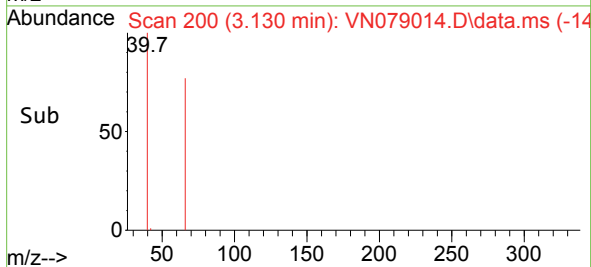
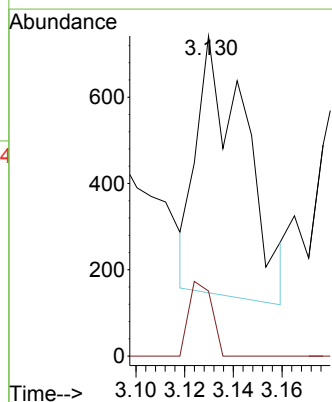
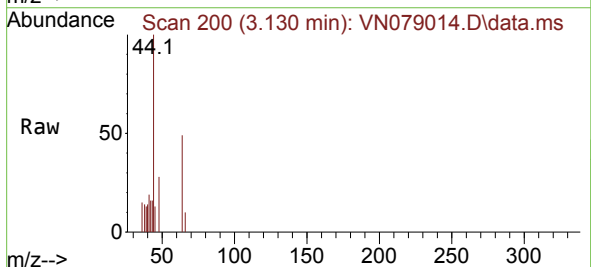
Instrument :
MSVOA_N
ClientSampleId :

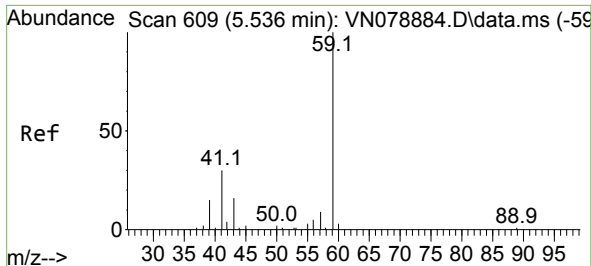
Tgt Ion: 94 Resp: 499
Ion Ratio Lower Upper
94 100
96 50.1 73.1 109.7#



#6
Chloroethane
Concen: 0.485 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

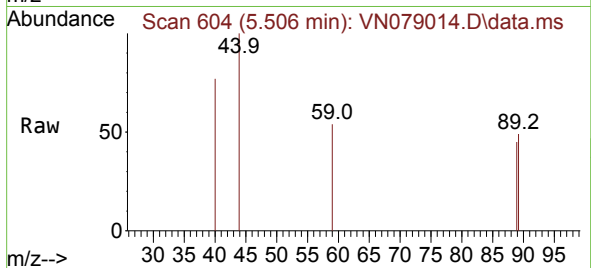
Tgt Ion: 64 Resp: 819
Ion Ratio Lower Upper
64 100
66 31.6 25.4 38.2



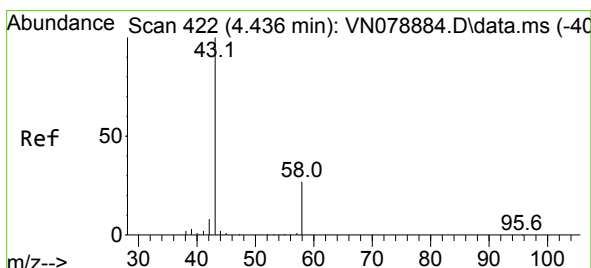
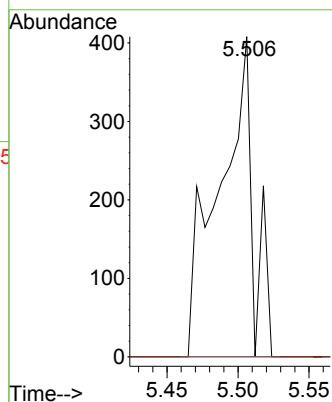
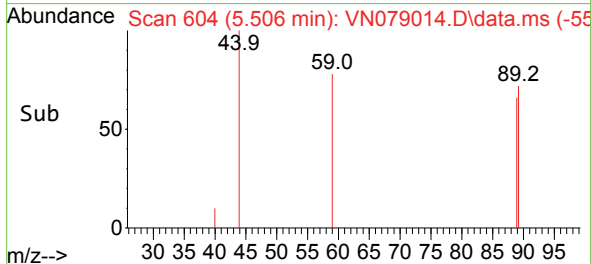


#11
Tert butyl alcohol
Concen: 1.844 ug/l
RT: 5.506 min Scan# 609
Delta R.T. -0.036 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

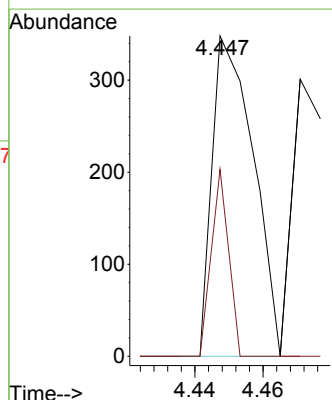
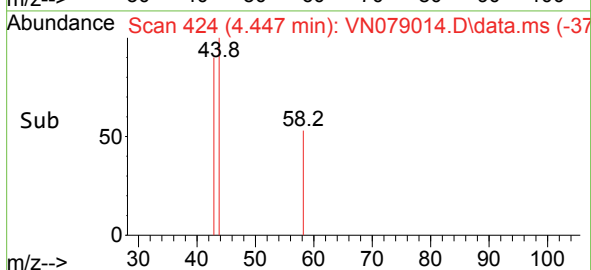
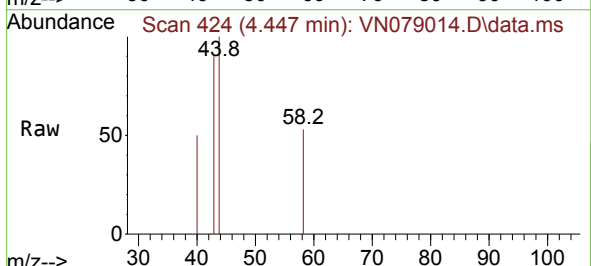


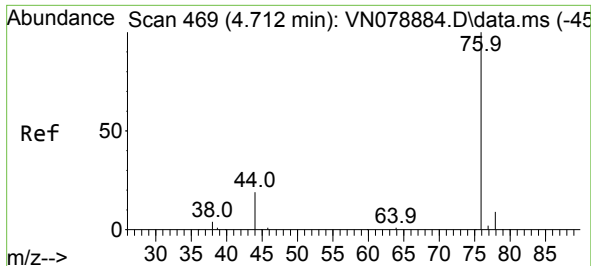
Tgt Ion: 59 Resp: 685
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.320 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.005 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

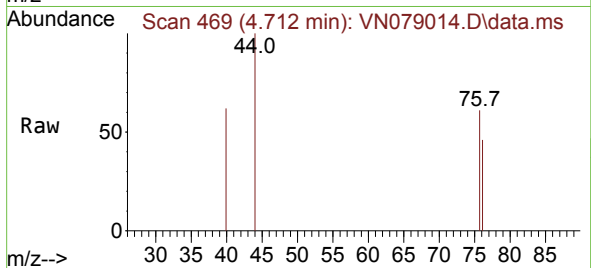
Tgt Ion: 43 Resp: 292
Ion Ratio Lower Upper
43 100
58 58.3 28.0 42.0#



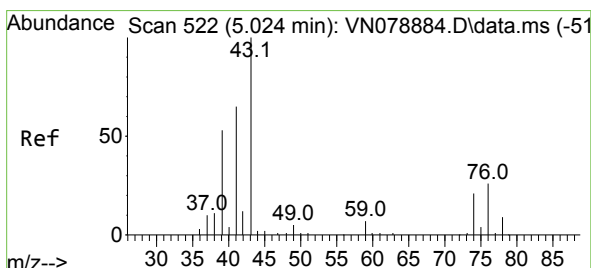
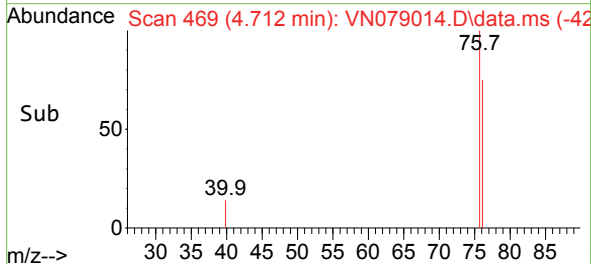
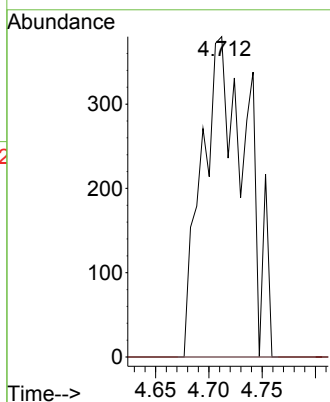


#17
Carbon Disulfide
Concen: 0.261 ug/l
RT: 4.712 min Scan# 411
Delta R.T. -0.012 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

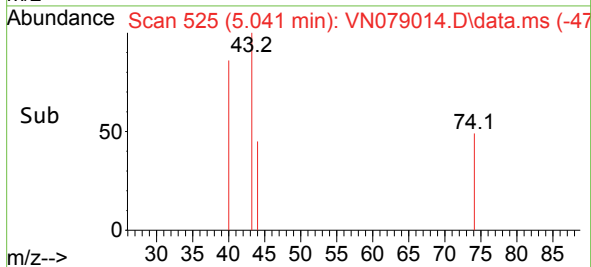
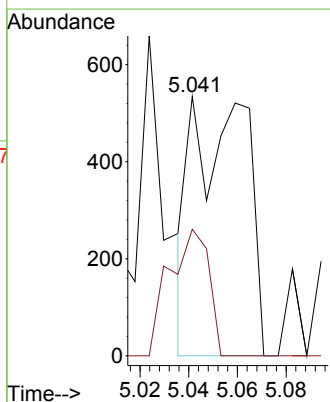
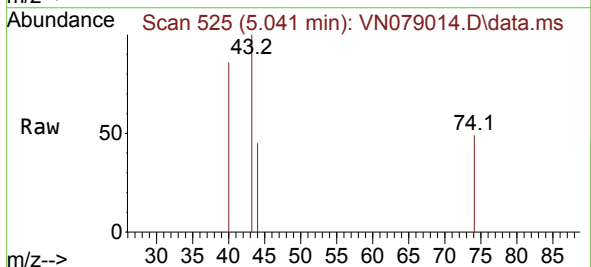


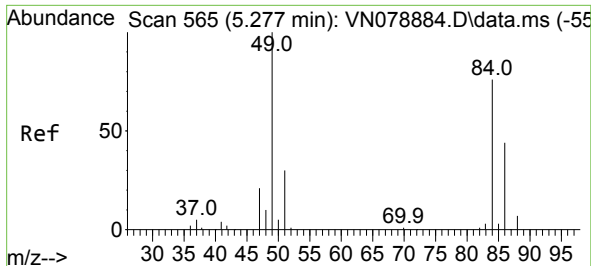
Tgt Ion: 76 Resp: 1116
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.214 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.001 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

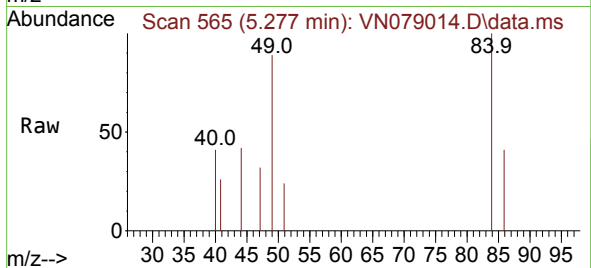
Tgt Ion: 43 Resp: 825
Ion Ratio Lower Upper
43 100
74 35.8 26.2 39.4





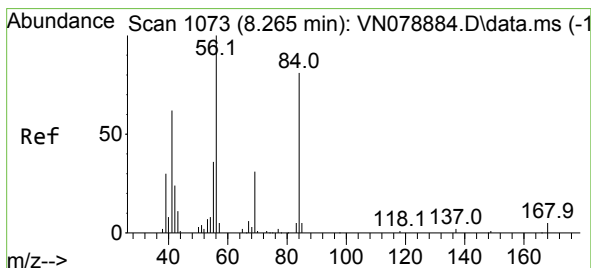
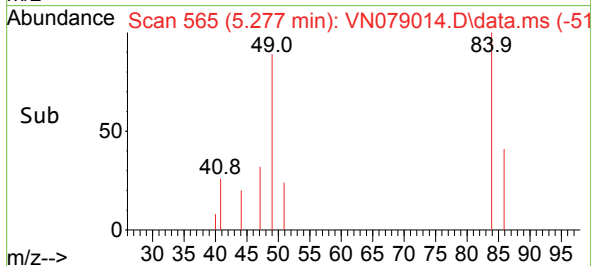
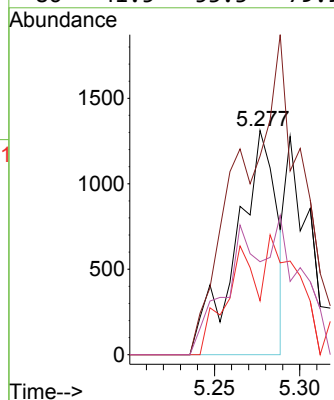
#20
Methylene Chloride
Concen: 1.099 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2138

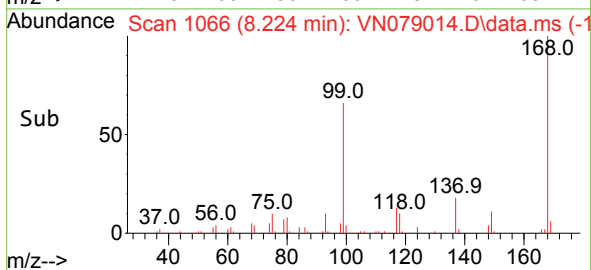
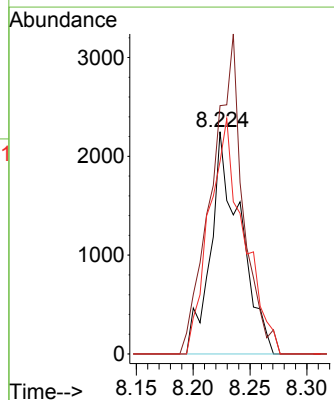
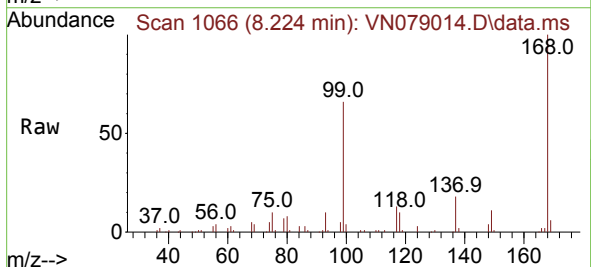
Ion	Ratio	Lower	Upper
84	100		
49	88.6	79.7	119.5
51	24.1	25.2	37.8#
86	41.5	53.3	79.9#

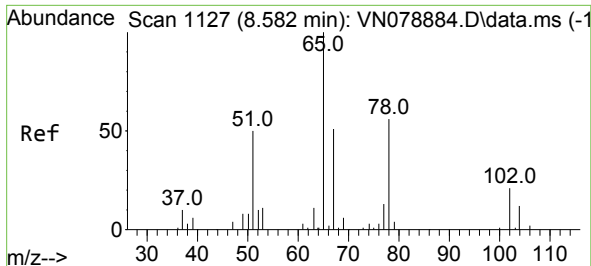


#31
Cyclohexane
Concen: Below Cal
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

Tgt Ion: 56 Resp: 4106

Ion	Ratio	Lower	Upper
56	100		
69	111.7	26.8	40.2#
84	86.6	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 51.750 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079014.D

Acq: 23 Aug 2023 14:23

Instrument :

MSVOA_N

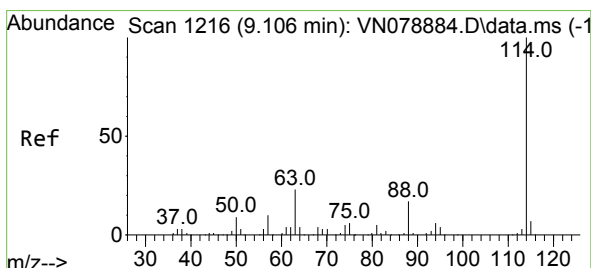
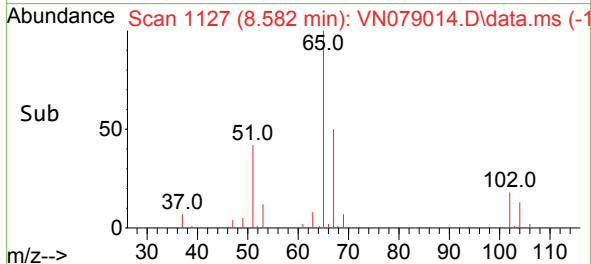
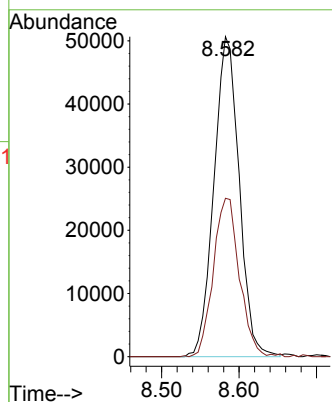
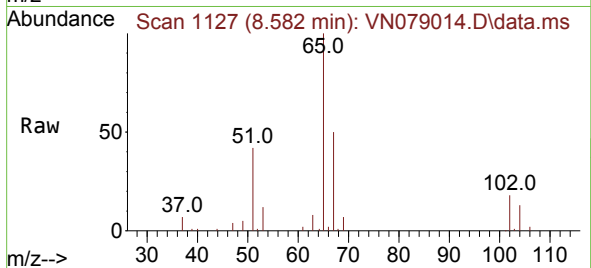
ClientSampleId :

Tgt Ion: 65 Resp: 114540

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# 1216

Delta R.T. -0.006 min

Lab File: VN079014.D

Acq: 23 Aug 2023 14:23

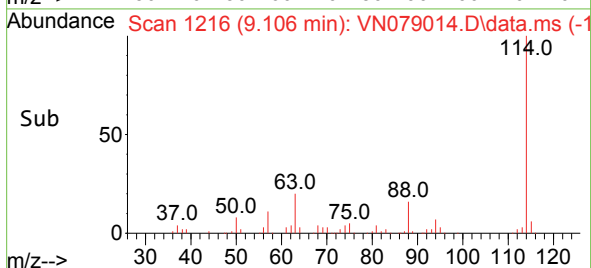
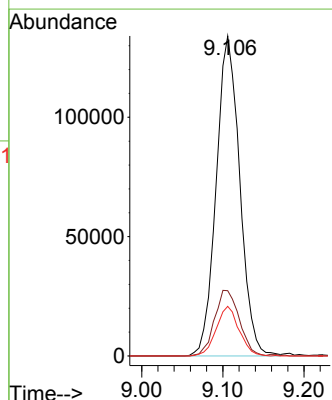
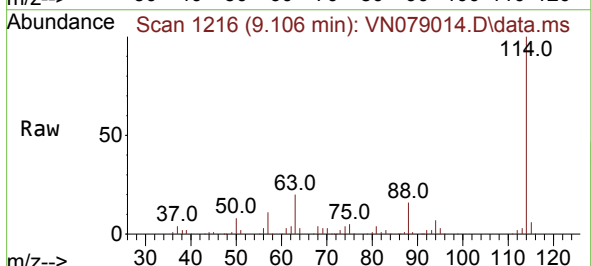
Tgt Ion: 114 Resp: 270866

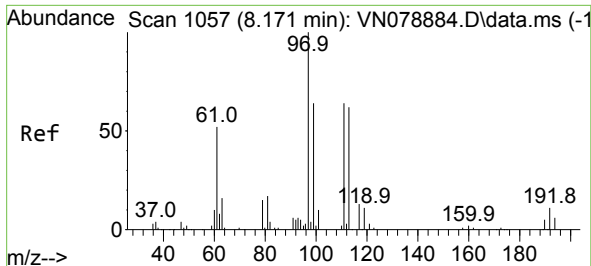
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

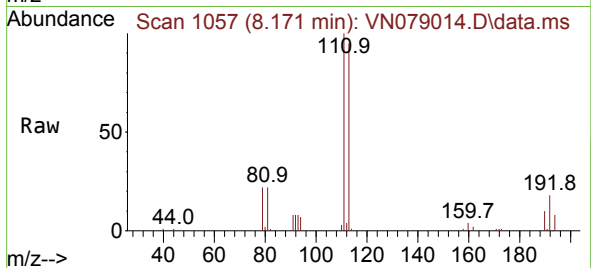
88 15.5 0.0 30.6



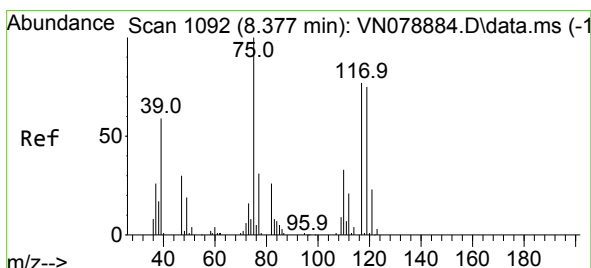
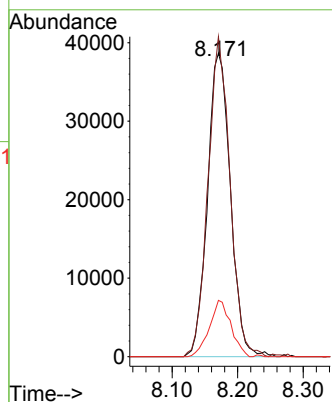
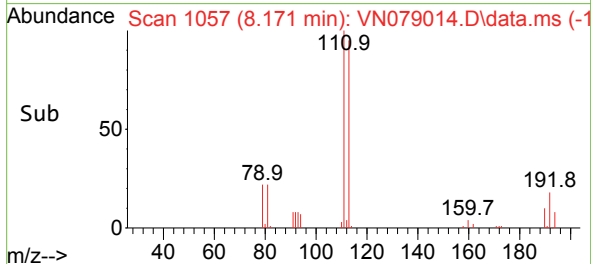


#35
Dibromofluoromethane
Concen: 51.521 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

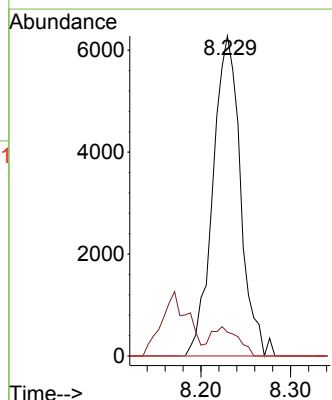
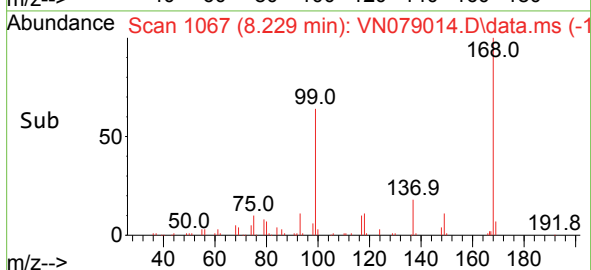
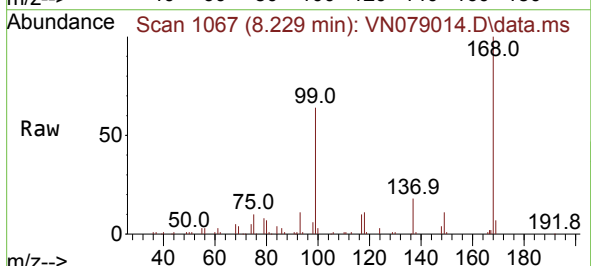


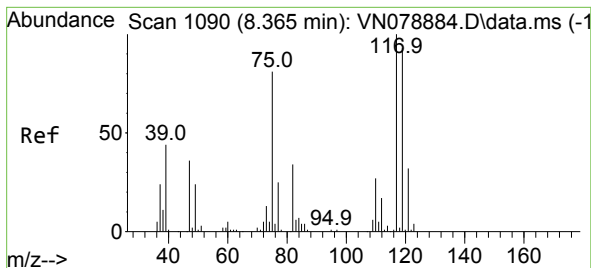
Tgt Ion:113 Resp: 93939
Ion Ratio Lower Upper
113 100
111 101.0 82.6 123.8
192 17.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.887 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

Tgt Ion: 75 Resp: 13404
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.666 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

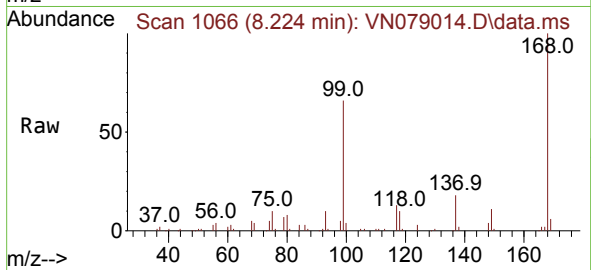
Lab File: VN079014.D

Acq: 23 Aug 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :



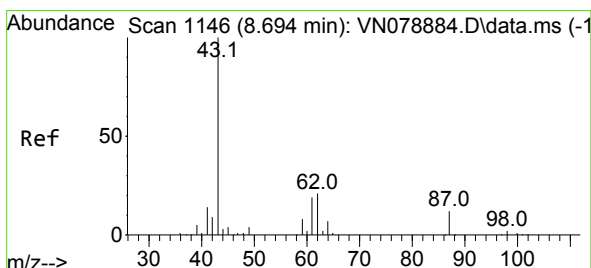
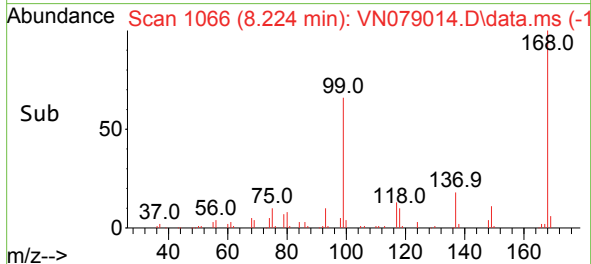
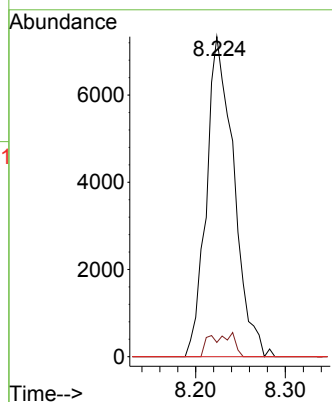
Tgt Ion:117 Resp: 15571

Ion Ratio Lower Upper

117 100

119 4.5 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.399 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079014.D

Acq: 23 Aug 2023 14:23

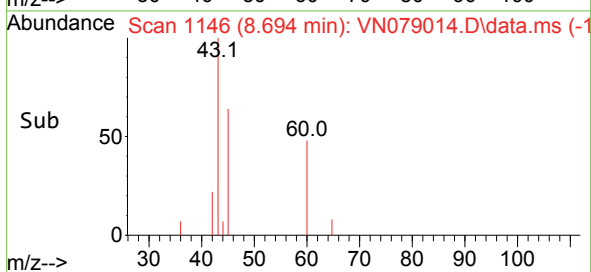
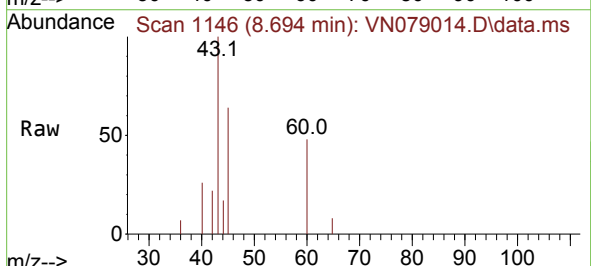
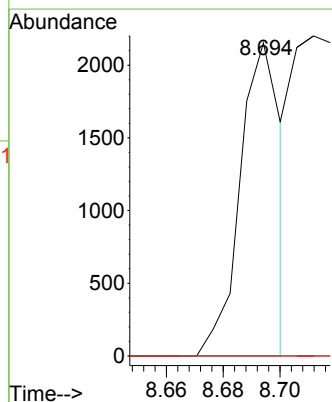
Tgt Ion: 43 Resp: 2165

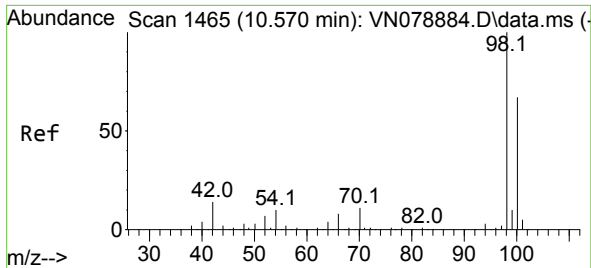
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

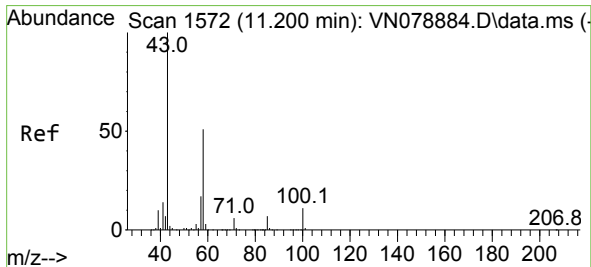
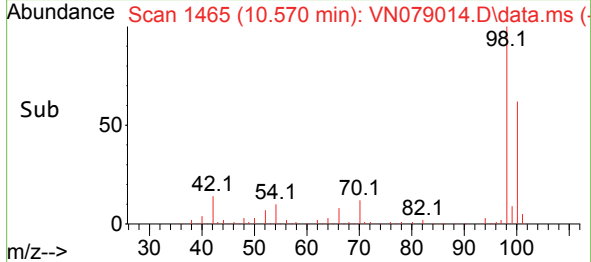
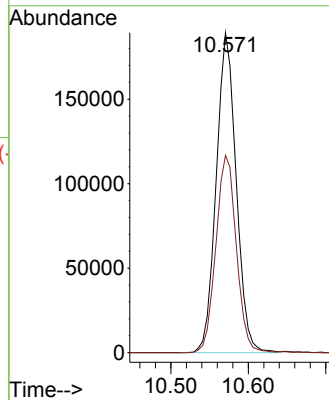
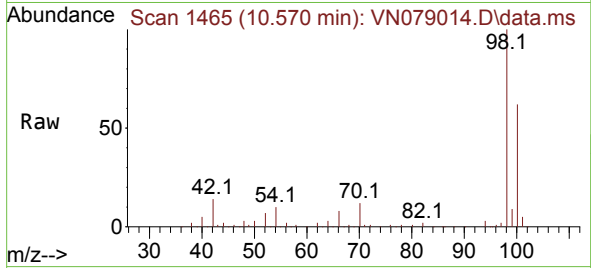




#50
Toluene-d8
Concen: 50.198 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

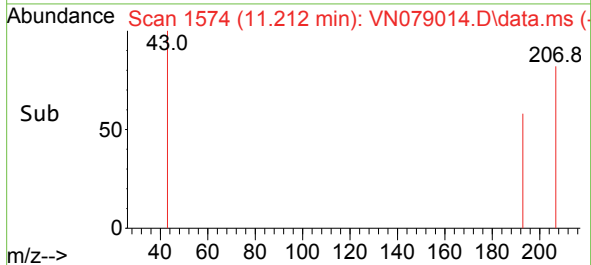
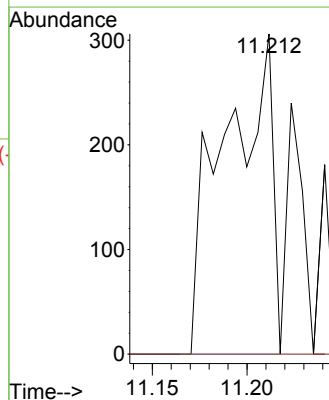
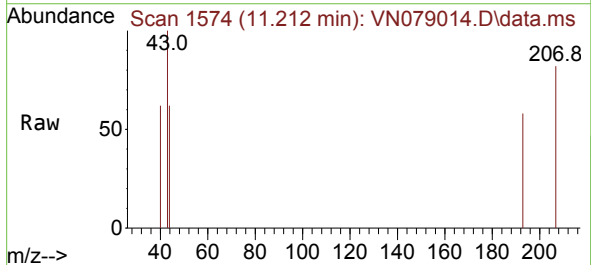
Instrument :
MSVOA_N
ClientSampleId :

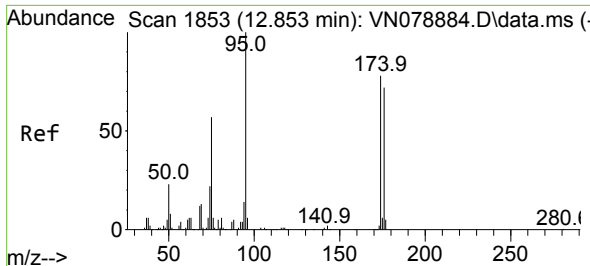
Tgt Ion: 98 Resp: 339847
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0



#59
2-Hexanone
Concen: 0.231 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

Tgt Ion: 43 Resp: 539
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

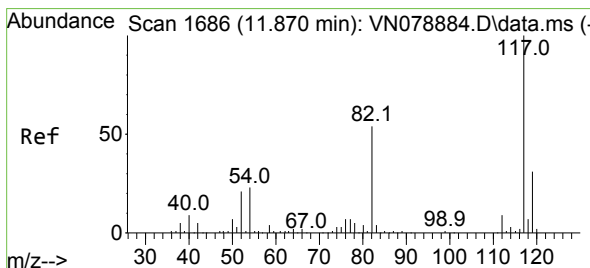
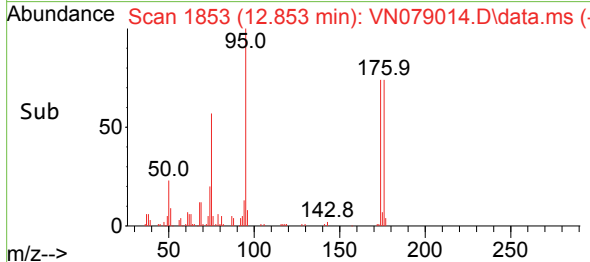
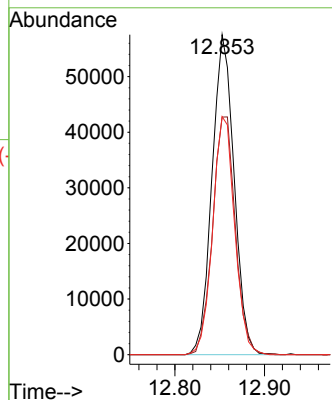
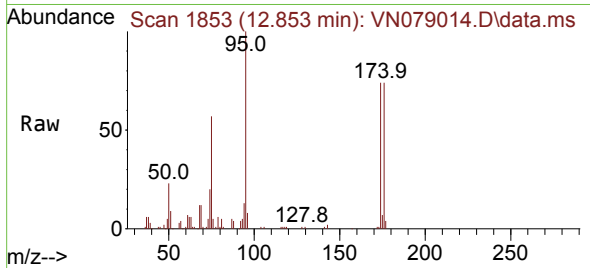




#62
4-Bromofluorobenzene
Concen: 44.420 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

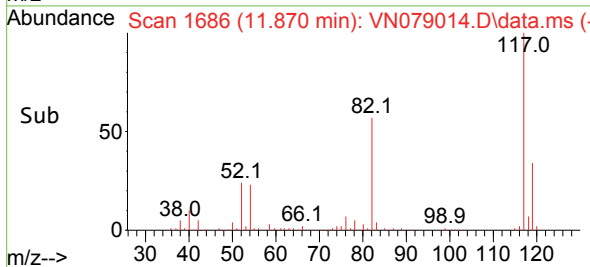
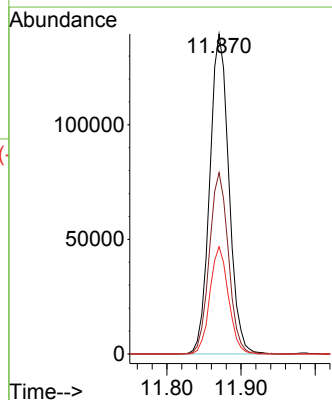
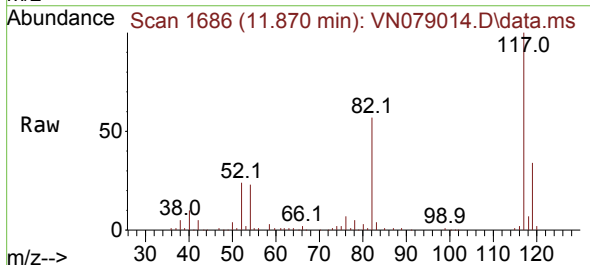
Instrument :
MSVOA_N
ClientSampleId :

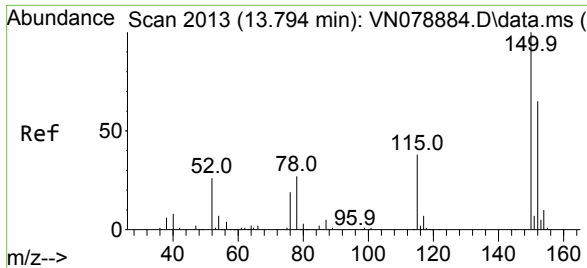
Tgt Ion: 95 Resp: 98298
Ion Ratio Lower Upper
95 100
174 76.6 0.0 143.8
176 74.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

Tgt Ion: 117 Resp: 250951
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 33.5 25.6 38.4

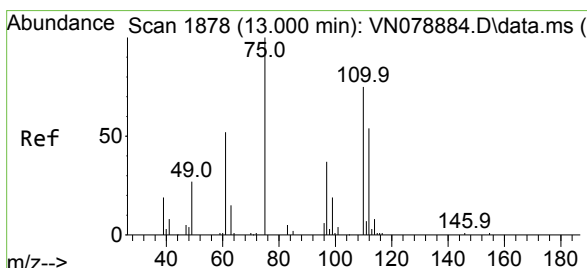
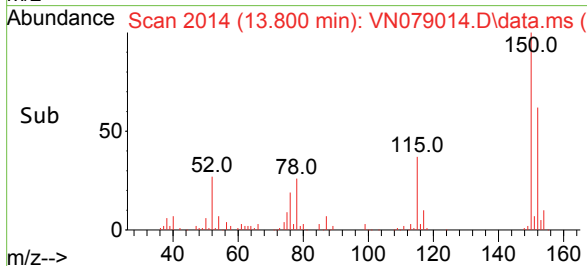
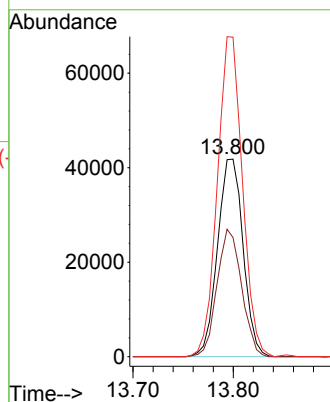
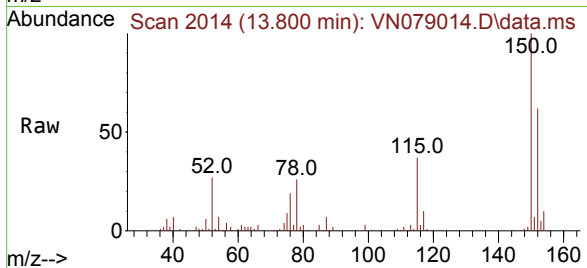




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN079014.D
 Acq: 23 Aug 2023 14:23

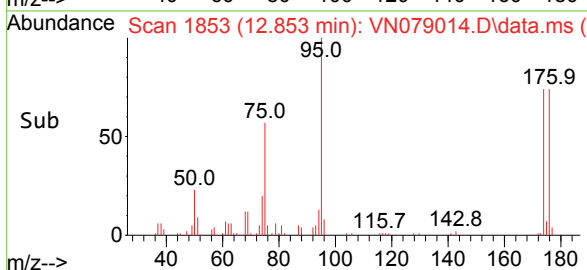
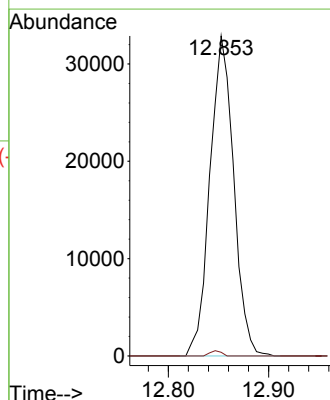
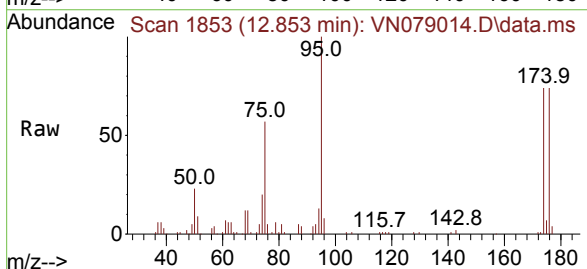
Instrument :
 MSVOA_N
 ClientSampleId :

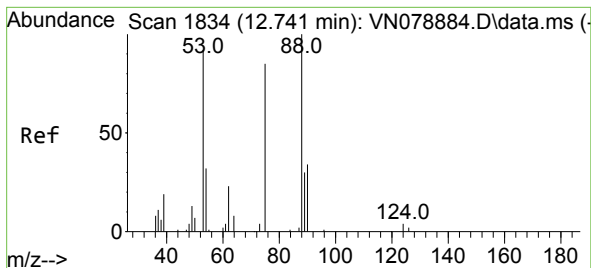
Tgt Ion:152 Resp: 74077
 Ion Ratio Lower Upper
 152 100
 115 61.9 32.3 96.8
 150 158.6 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 30.397 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN079014.D
 Acq: 23 Aug 2023 14:23

Tgt Ion: 75 Resp: 54255
 Ion Ratio Lower Upper
 75 100
 77 0.8 84.5 253.5#

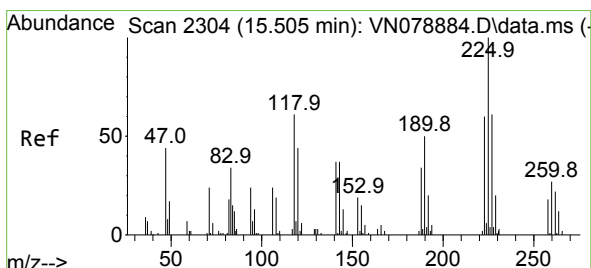
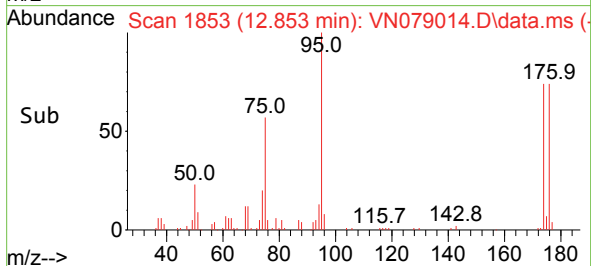
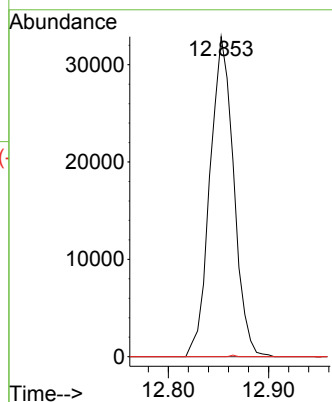
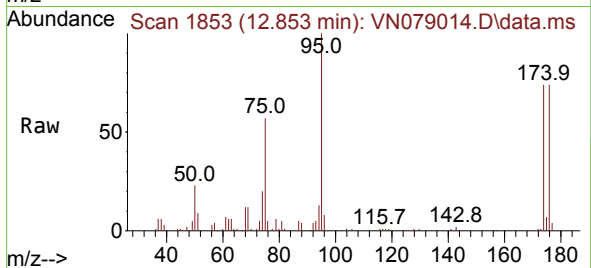




#81
trans-1,4-Dichloro-2-butene
Concen: 77.651 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

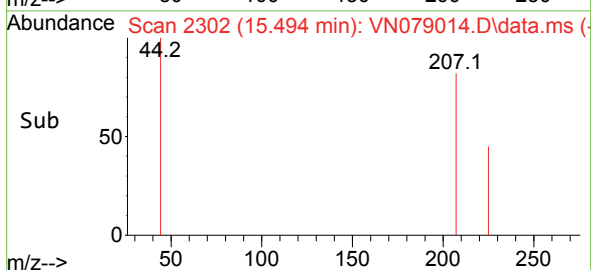
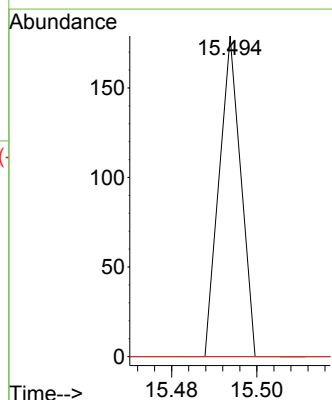
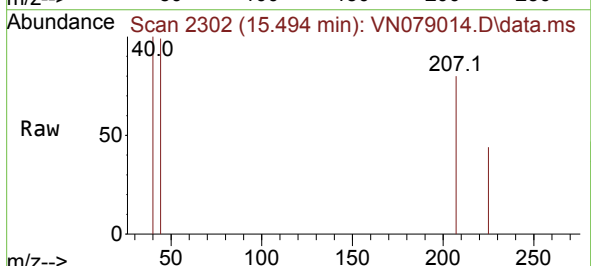
Instrument :
MSVOA_N
ClientSampleId :

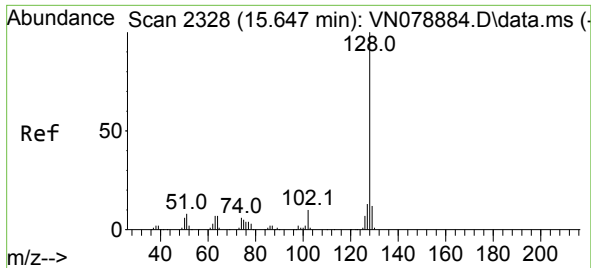
Tgt Ion: 75 Resp: 54255
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.494 min Scan# 2302
Delta R.T. -0.012 min
Lab File: VN079014.D
Acq: 23 Aug 2023 14:23

Tgt Ion: 225 Resp: 63
Ion Ratio Lower Upper
225 100
223 0.0 31.3 93.8#
227 0.0 31.9 95.9#





#95

Naphthalene

Concen: 4.237 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.006 min

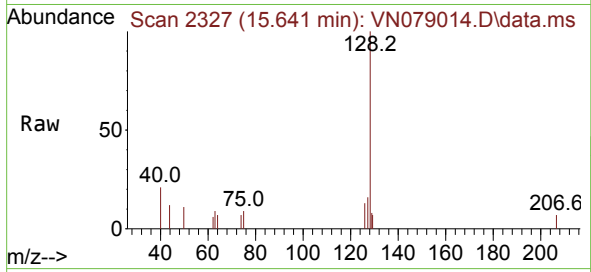
Lab File: VN079014.D

Acq: 23 Aug 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 5984

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

129 10.8 8.7 13.1

