

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101323\
 Data File : VN079565.D
 Acq On : 13 Oct 2023 11:58
 Operator : JC\MD
 Sample : VN1013WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 23:29:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

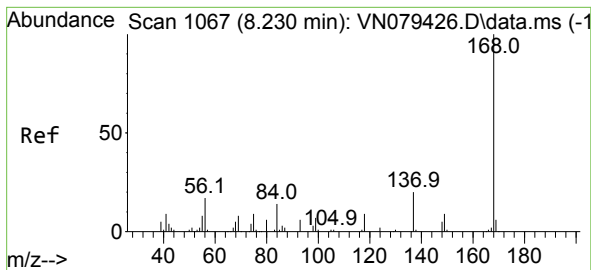
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	235224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	466899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	448773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	140399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	202624	53.127	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 106.260%		
35) Dibromofluoromethane	8.171	113	176783	52.688	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.380%		
50) Toluene-d8	10.571	98	559349	46.073	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 92.140%		
62) 4-Bromofluorobenzene	12.853	95	182303	46.791	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 93.580%		
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.718	76	1829	0.211	ug/l #	75
18) Methyl Acetate	5.042	43	1554	0.210	ug/l #	57
20) Methylene Chloride	5.289	84	578	Below Cal	#	39
31) Cyclohexane	8.236	56	6832	1.263	ug/l #	61
36) 1,1-Dichloropropene	8.224	75	21833	4.336	ug/l #	47
38) Carbon Tetrachloride	8.230	117	25483	5.055	ug/l #	17
43) Isopropyl Acetate	8.718	43	6523	0.743	ug/l #	49
58) 2-Chloroethyl Vinyl ether	10.165	63	825	0.444	ug/l #	88
59) 2-Hexanone	11.206	43	1155	0.323	ug/l	61
75) 1,1,2,2-Tetrachloroethane	12.935	83	169	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	102502	25.321	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	102502	73.470	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	462	0.301	ug/l	82
94) Hexachlorobutadiene	15.512	225	461	0.386	ug/l #	26
95) Naphthalene	15.647	128	2320	0.495	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.835	180	486	0.265	ug/l	68

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

Quant Time: Oct 13 23:29:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

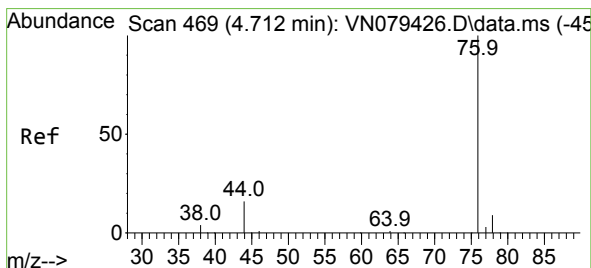
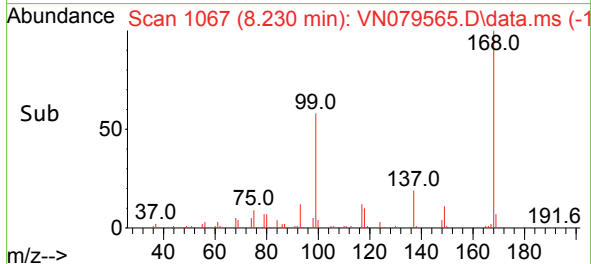
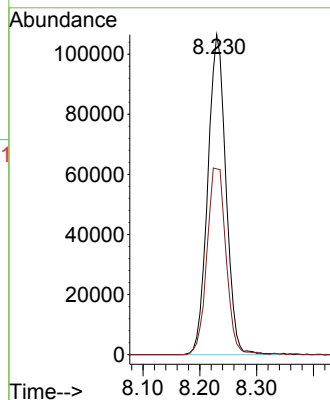
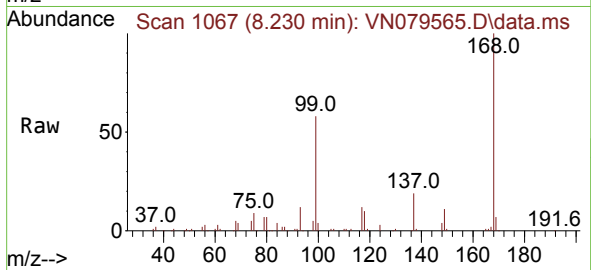




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

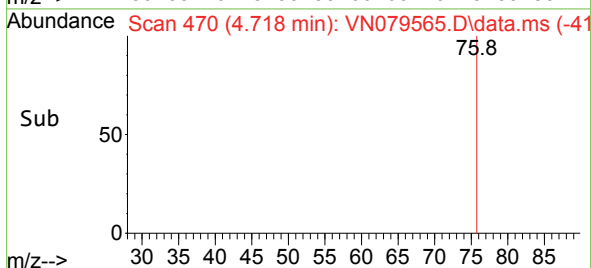
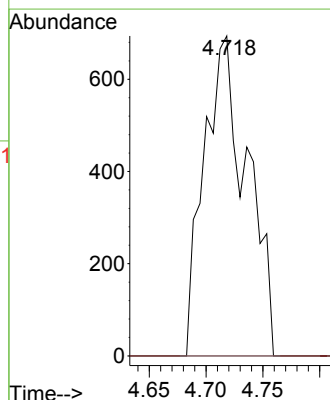
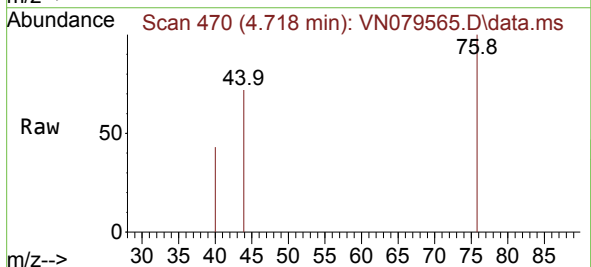
Instrument :
MSVOA_N
ClientSampleId :

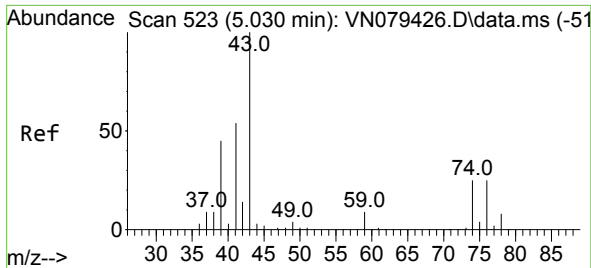
Tgt Ion:168 Resp: 235224
Ion Ratio Lower Upper
168 100
99 58.0 53.0 79.6



#17
Carbon Disulfide
Concen: 0.211 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

Tgt Ion: 76 Resp: 1829
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

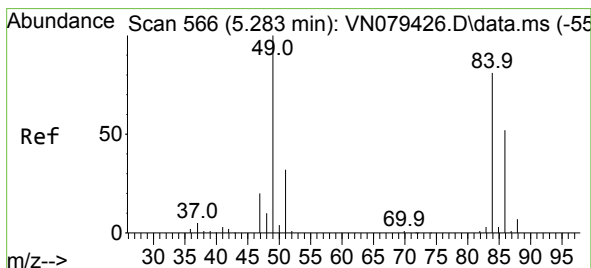
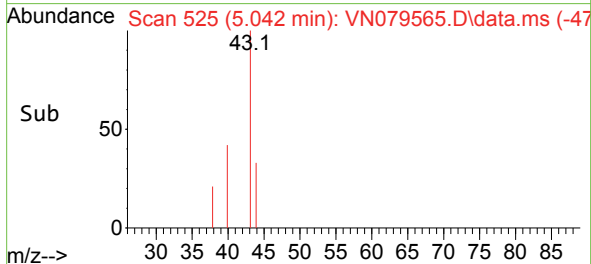
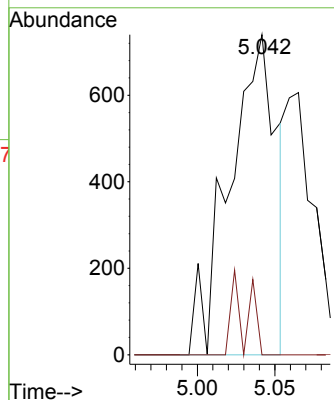
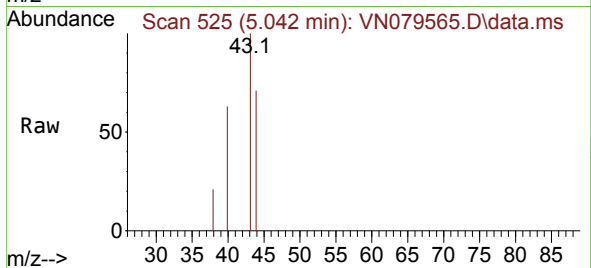




#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

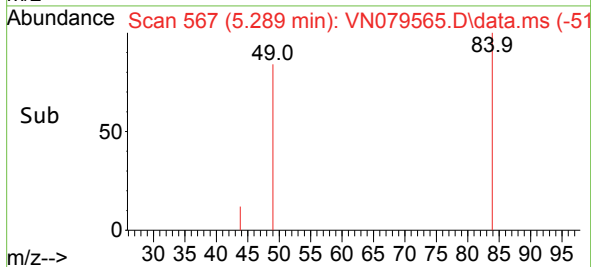
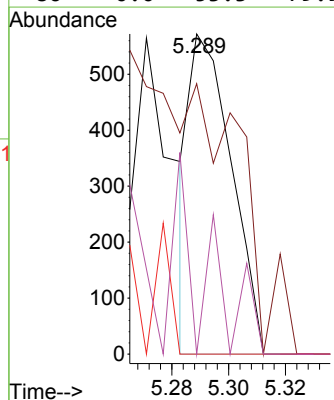
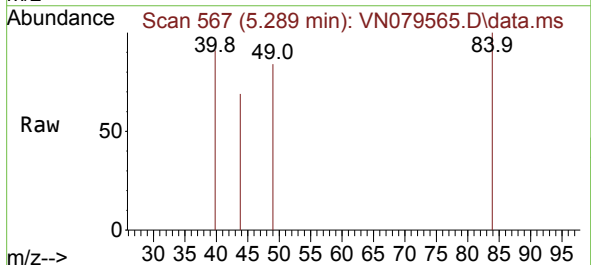
Instrument :
MSVOA_N
ClientSampleId :

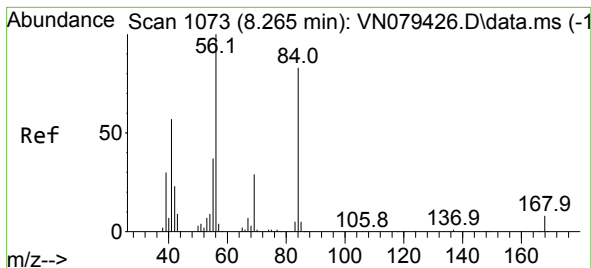
Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
74 8.4 26.2 39.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

Tgt Ion: 84 Resp: 578
Ion Ratio Lower Upper
84 100
49 53.1 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#





#31

Cyclohexane

Concen: 1.263 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.029 min

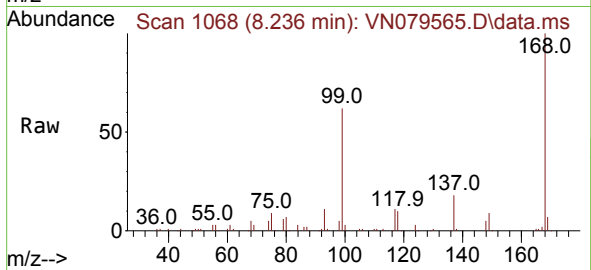
Lab File: VN079565.D

Acq: 13 Oct 2023 11:58

Instrument :

MSVOA_N

ClientSampleId :



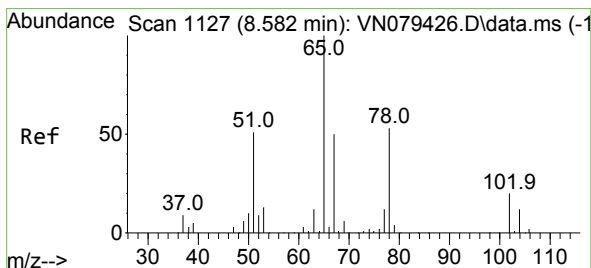
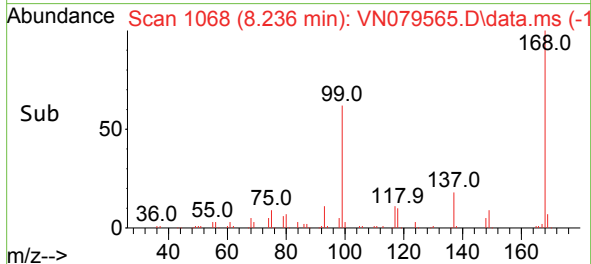
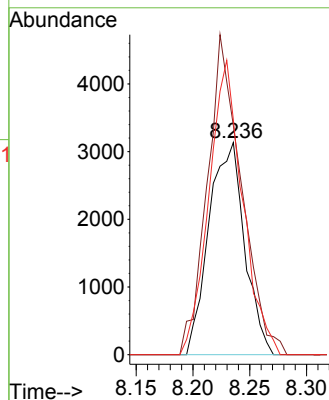
Tgt Ion: 56 Resp: 6832

Ion Ratio Lower Upper

56 100

69 108.2 26.8 40.2#

84 110.8 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 53.127 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079565.D

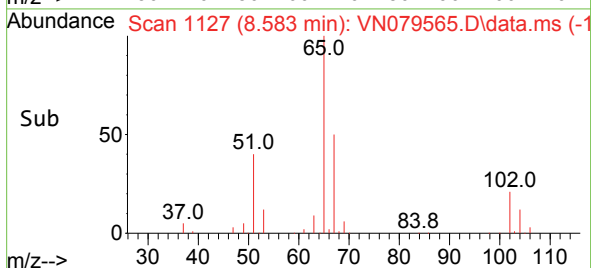
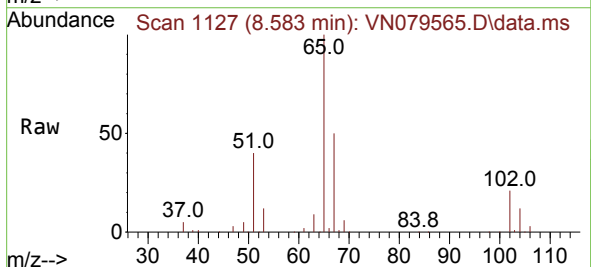
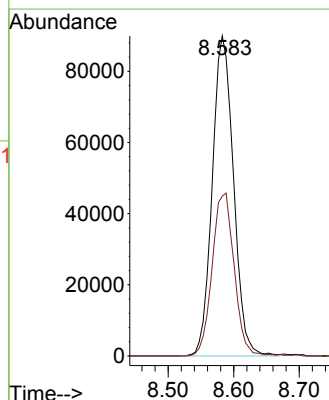
Acq: 13 Oct 2023 11:58

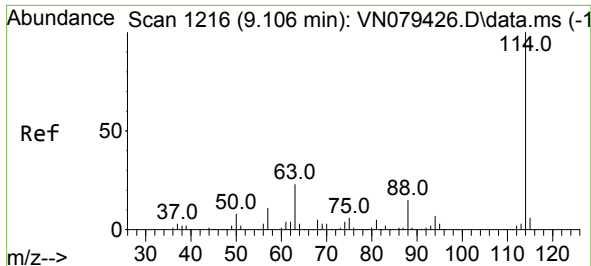
Tgt Ion: 65 Resp: 202624

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079565.D

Acq: 13 Oct 2023 11:58

Instrument :

MSVOA_N

ClientSampleId :

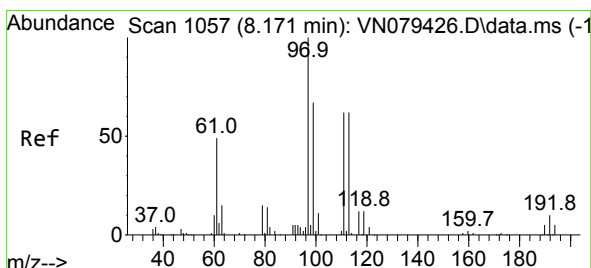
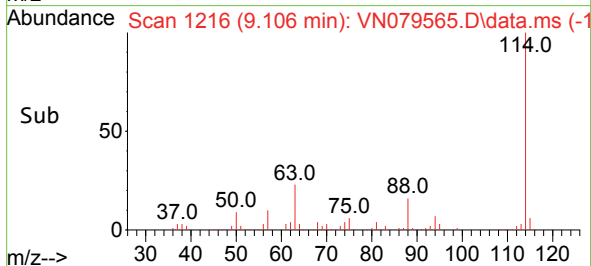
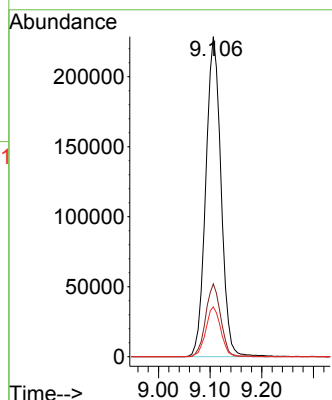
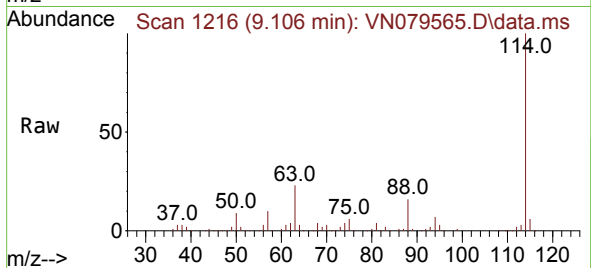
Tgt Ion:114 Resp: 466899

Ion Ratio Lower Upper

114 100

63 22.7 0.0 36.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.688 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079565.D

Acq: 13 Oct 2023 11:58

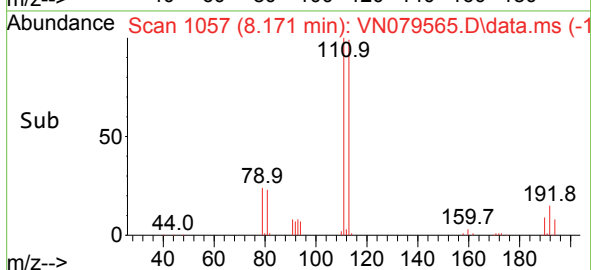
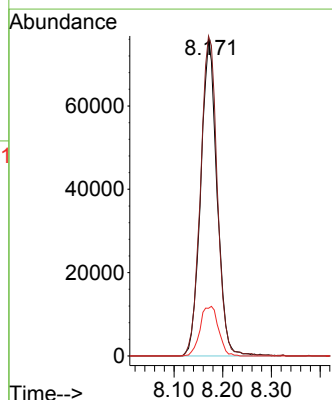
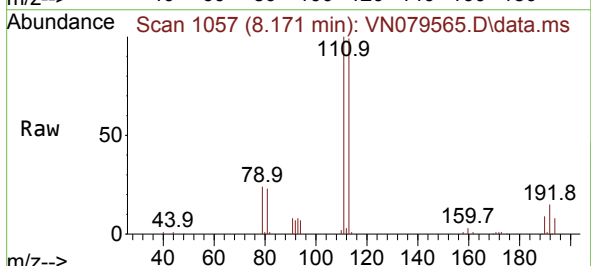
Tgt Ion:113 Resp: 176783

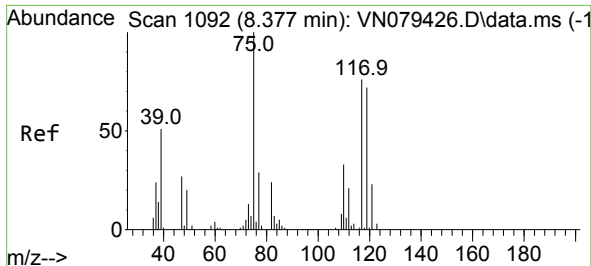
Ion Ratio Lower Upper

113 100

111 104.1 82.6 123.8

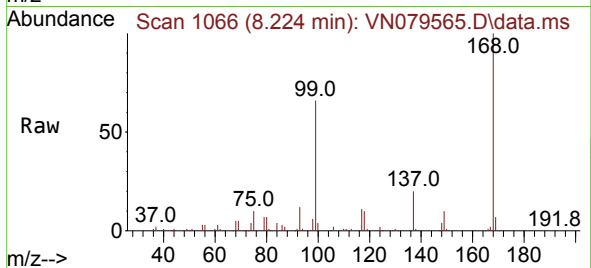
192 17.7 12.7 19.1



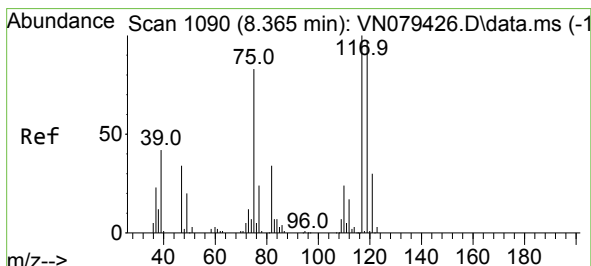
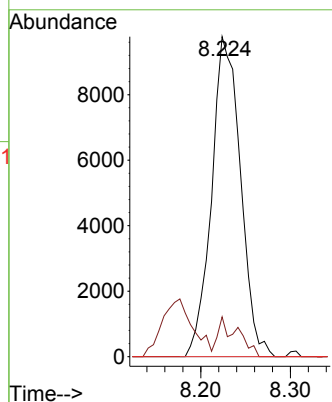
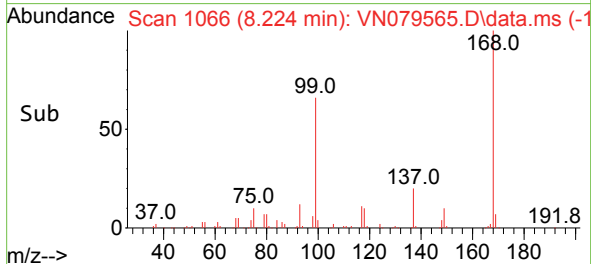


#36
1,1-Dichloropropene
Concen: 4.336 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

Instrument :
MSVOA_N
ClientSampleId :

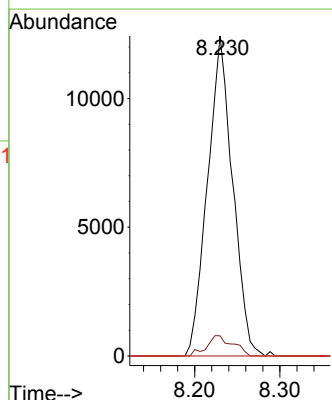
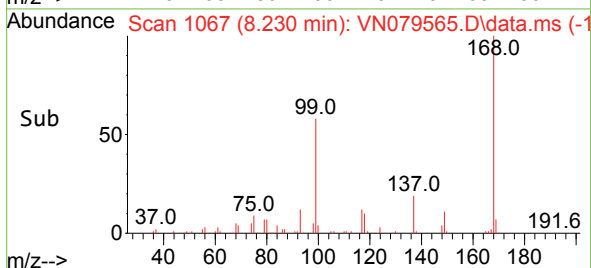
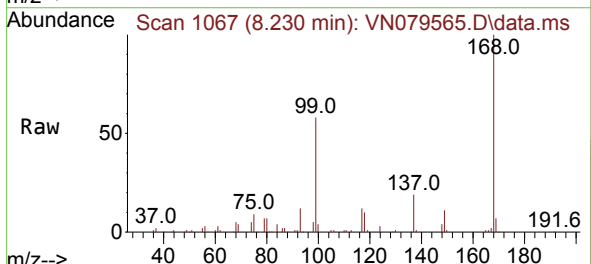


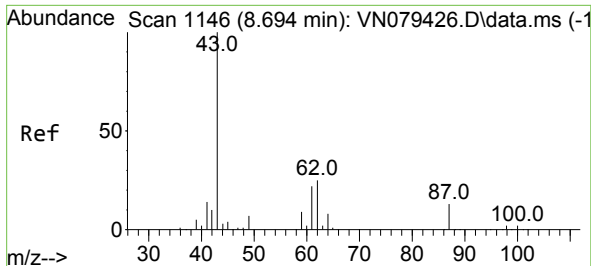
Tgt Ion: 75 Resp: 21833
Ion Ratio Lower Upper
75 100
110 8.4 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.055 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

Tgt Ion: 117 Resp: 25483
Ion Ratio Lower Upper
117 100
119 6.3 77.3 115.9#
121 0.0 23.3 34.9#

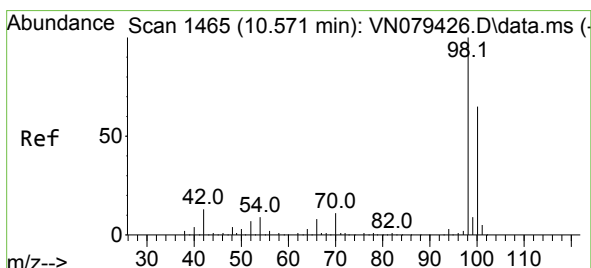
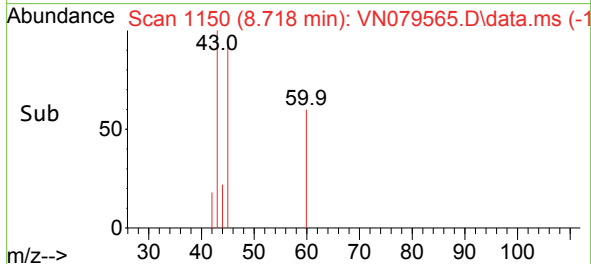
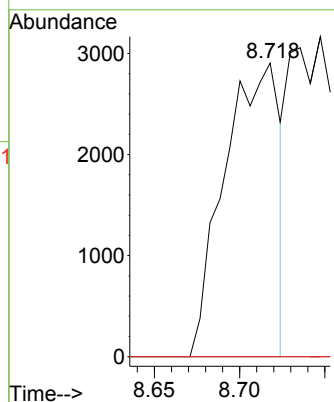
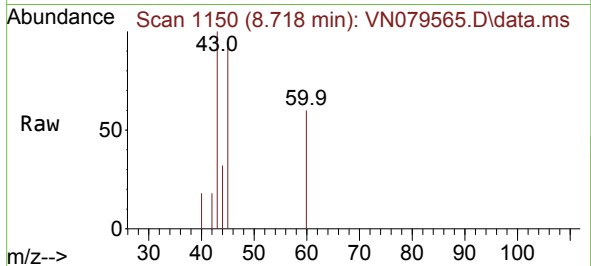




#43
Isopropyl Acetate
Concen: 0.743 ug/l
RT: 8.718 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

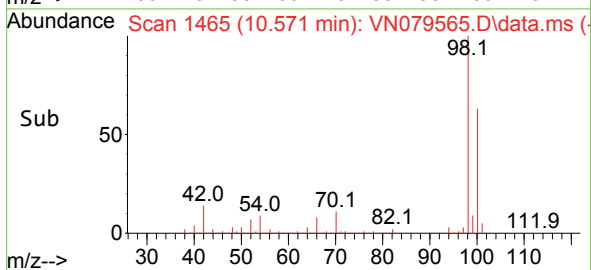
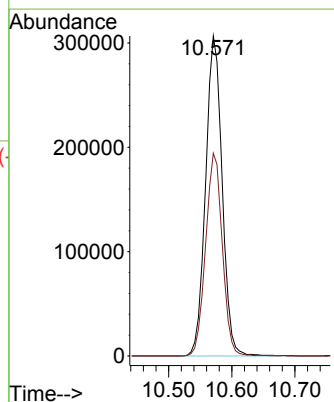
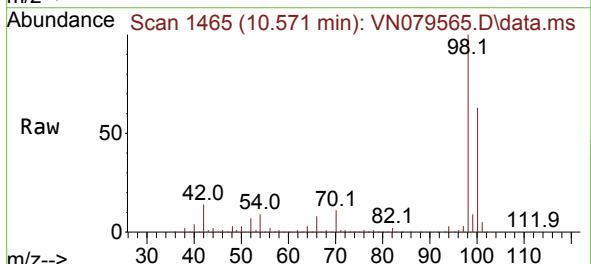
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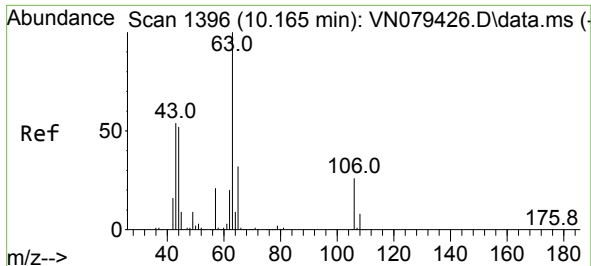
Tgt Ion: 43 Resp: 6523
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.073 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

Tgt Ion: 98 Resp: 559349
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

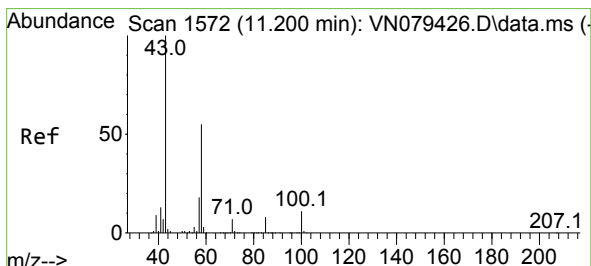
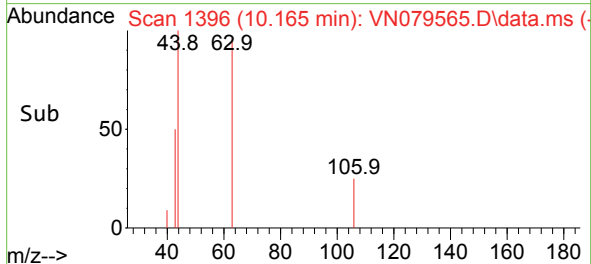
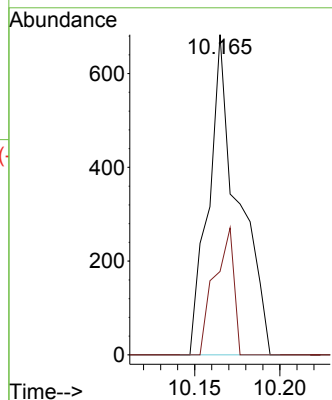
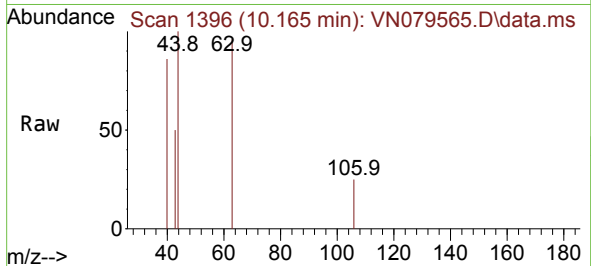




#58
2-Chloroethyl Vinyl ether
Concen: 0.444 ug/l
RT: 10.165 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

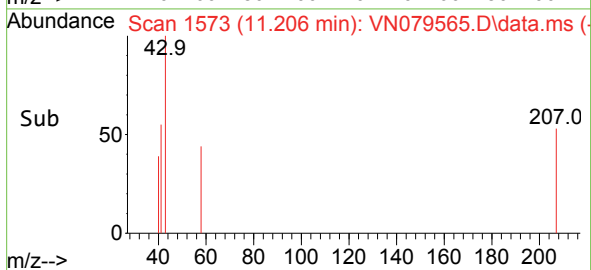
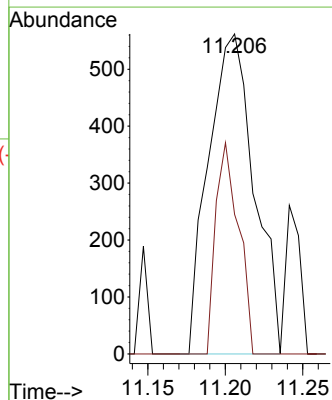
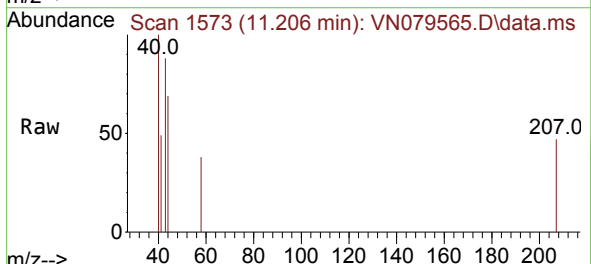
Instrument :
MSVOA_N
ClientSampleId :

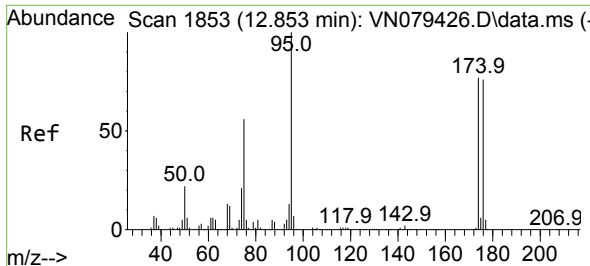
Tgt Ion: 63 Resp: 825
Ion Ratio Lower Upper
63 100
106 25.9 26.2 39.4#



#59
2-Hexanone
Concen: 0.323 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

Tgt Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
58 33.0 31.7 95.1

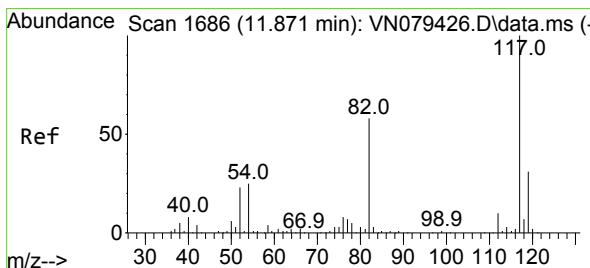
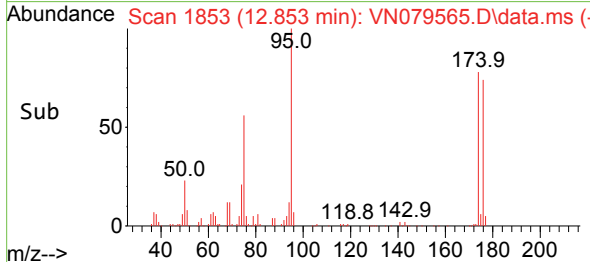
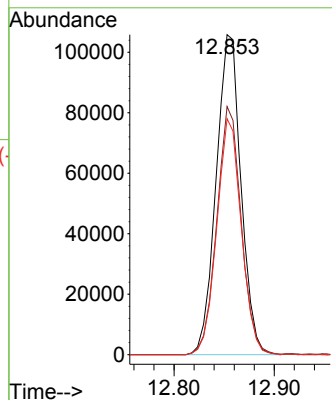
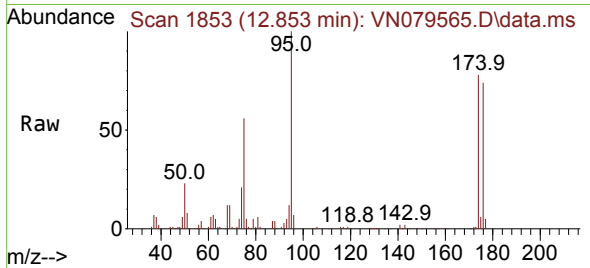




#62
4-Bromofluorobenzene
Concen: 46.791 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

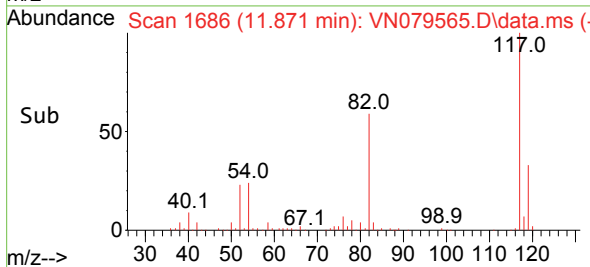
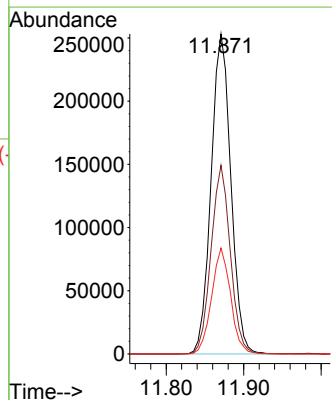
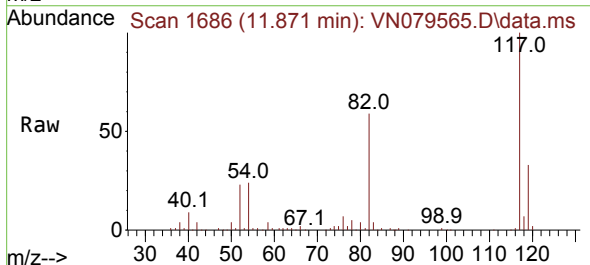
Instrument :
MSVOA_N
ClientSampleId :

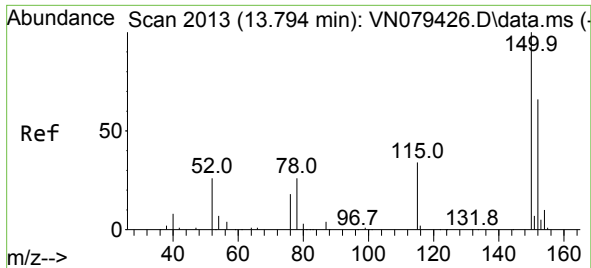
Tgt Ion: 95 Resp: 182303
Ion Ratio Lower Upper
95 100
174 76.2 0.0 143.8
176 72.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

Tgt Ion: 117 Resp: 448773
Ion Ratio Lower Upper
117 100
82 58.9 44.0 66.0
119 33.1 25.6 38.4

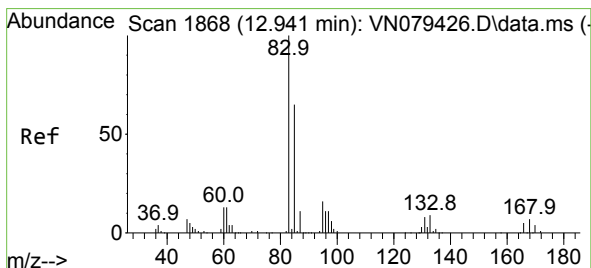
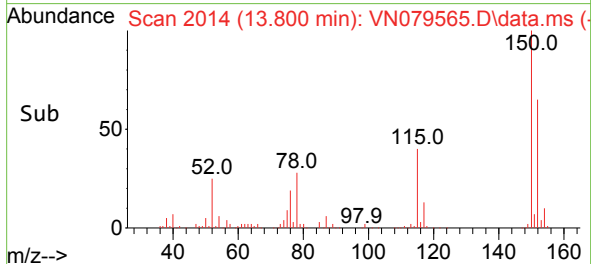
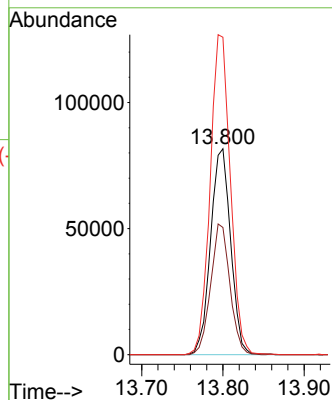
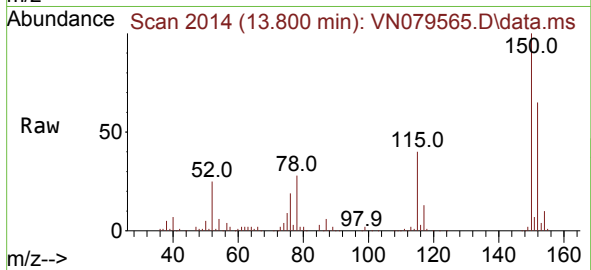




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

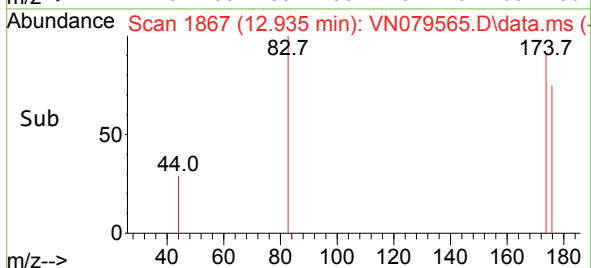
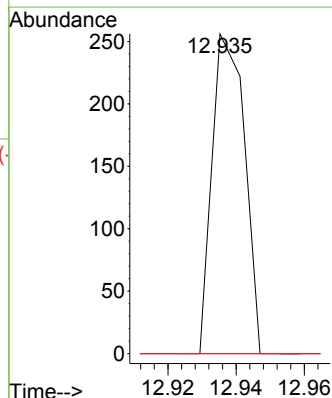
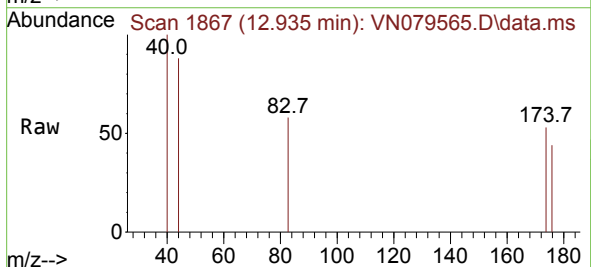
Instrument :
MSVOA_N
ClientSampleId :

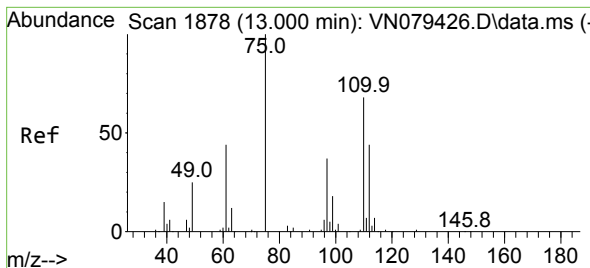
Tgt Ion:152 Resp: 140399
Ion Ratio Lower Upper
152 100
115 60.7 32.3 96.8
150 155.9 0.0 355.8



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN079565.D
Acq: 13 Oct 2023 11:58

Tgt Ion: 83 Resp: 169
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 25.321 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

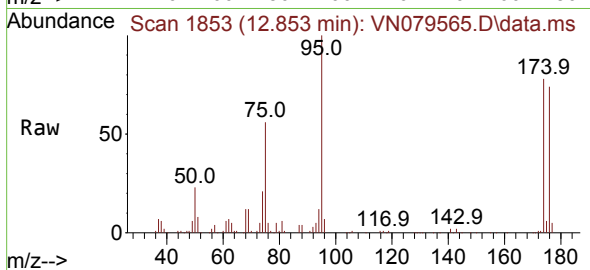
Lab File: VN079565.D

Acq: 13 Oct 2023 11:58

Instrument :

MSVOA_N

ClientSampleId :

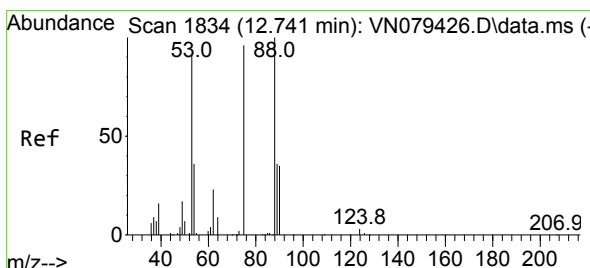
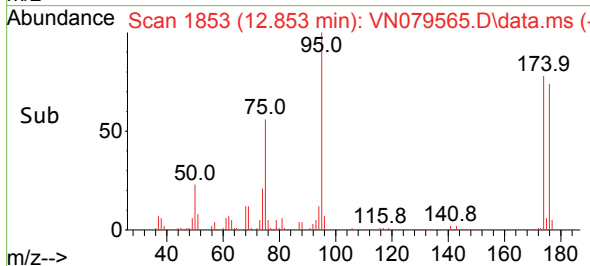
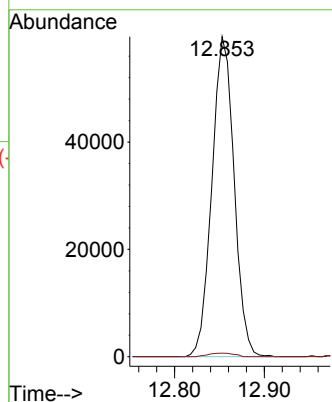


Tgt Ion: 75 Resp: 102502

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.470 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079565.D

Acq: 13 Oct 2023 11:58

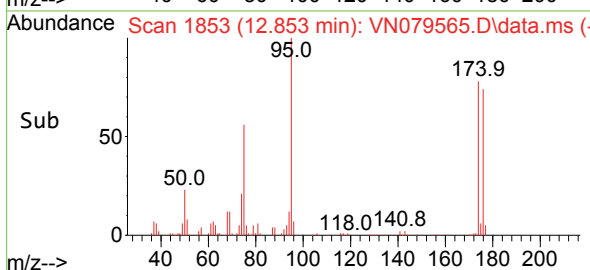
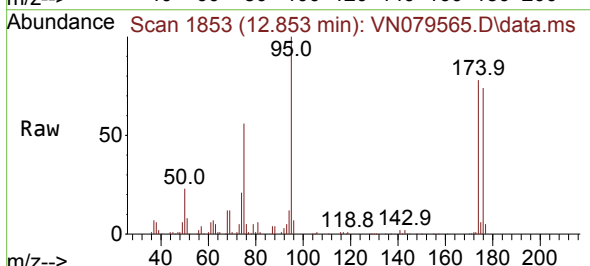
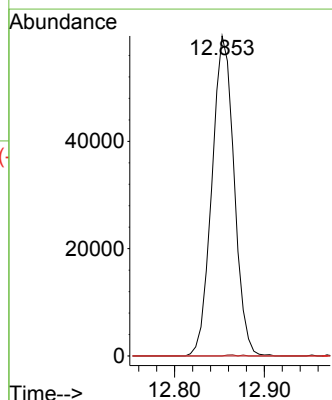
Tgt Ion: 75 Resp: 102502

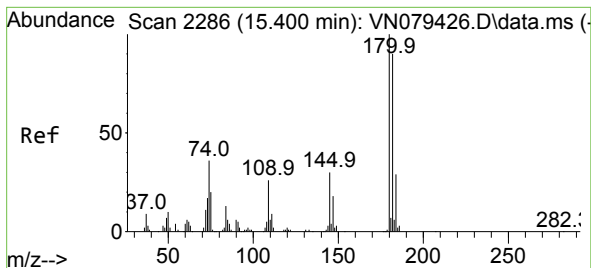
Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.301 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.006 min

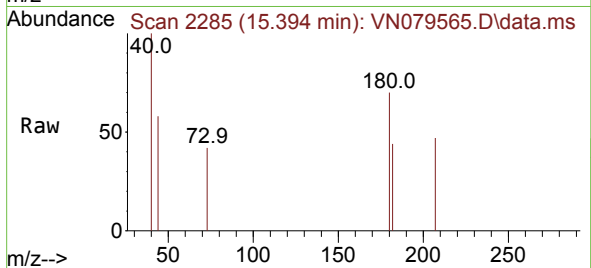
Lab File: VN079565.D

Acq: 13 Oct 2023 11:58

Instrument :

MSVOA_N

ClientSampleId :



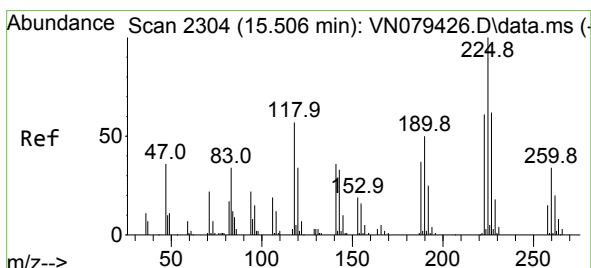
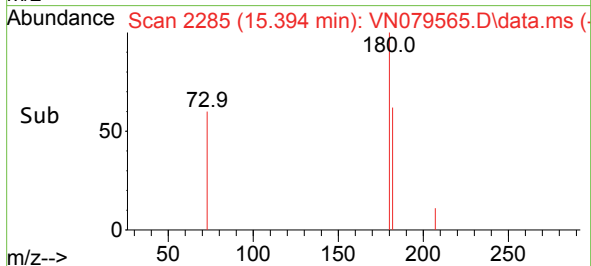
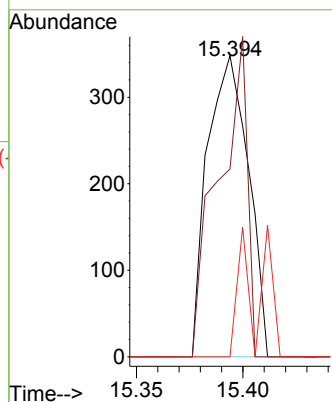
Tgt Ion:180 Resp: 462

Ion Ratio Lower Upper

180 100

182 74.5 46.1 138.2

145 23.2 16.6 49.8



#94

Hexachlorobutadiene

Concen: 0.386 ug/l

RT: 15.512 min Scan# 2305

Delta R.T. 0.006 min

Lab File: VN079565.D

Acq: 13 Oct 2023 11:58

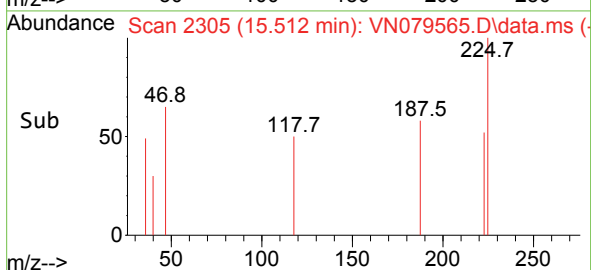
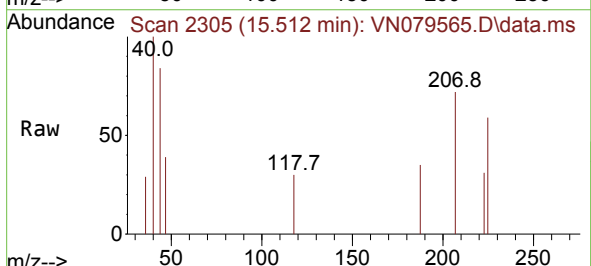
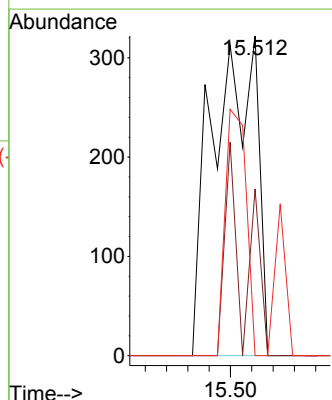
Tgt Ion:225 Resp: 461

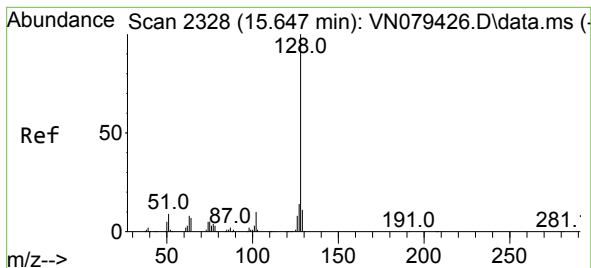
Ion Ratio Lower Upper

225 100

223 0.0 31.3 93.8#

227 11.7 31.9 95.9#





#95

Naphthalene

Concen: 0.495 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN079565.D

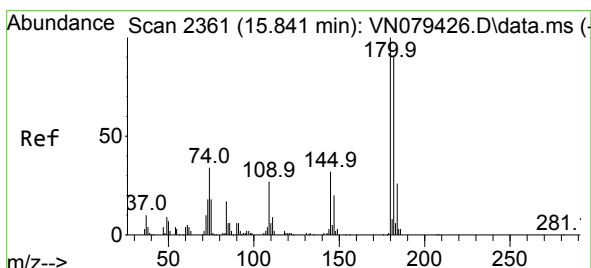
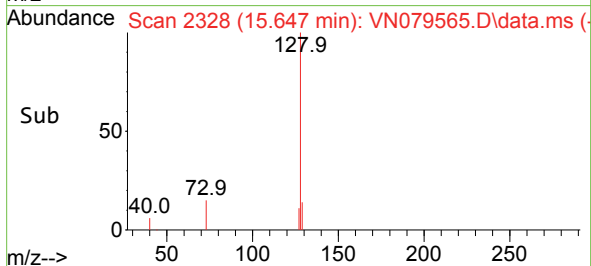
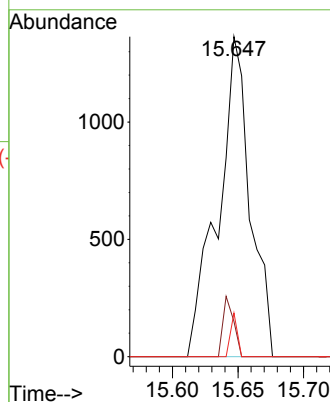
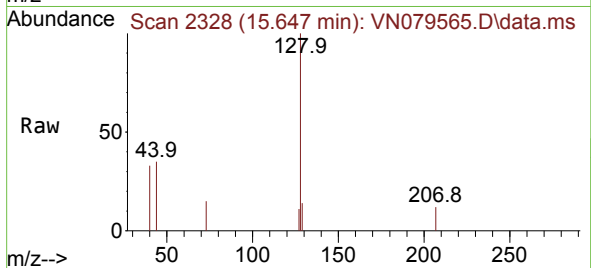
Acq: 13 Oct 2023 11:58

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	2320
Ion Ratio	Lower	Upper
128	100	
127	6.2	10.0 15.0#
129	2.8	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.265 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN079565.D

Acq: 13 Oct 2023 11:58

Tgt Ion:180	Resp:	486
Ion Ratio	Lower	Upper
180	100	
182	127.0	46.2 138.6
145	22.8	17.5 52.6

