

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
 Data File : VN079378.D
 Acq On : 30 Sep 2023 11:46
 Operator : JC\MD
 Sample : VN0930WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 01:51:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

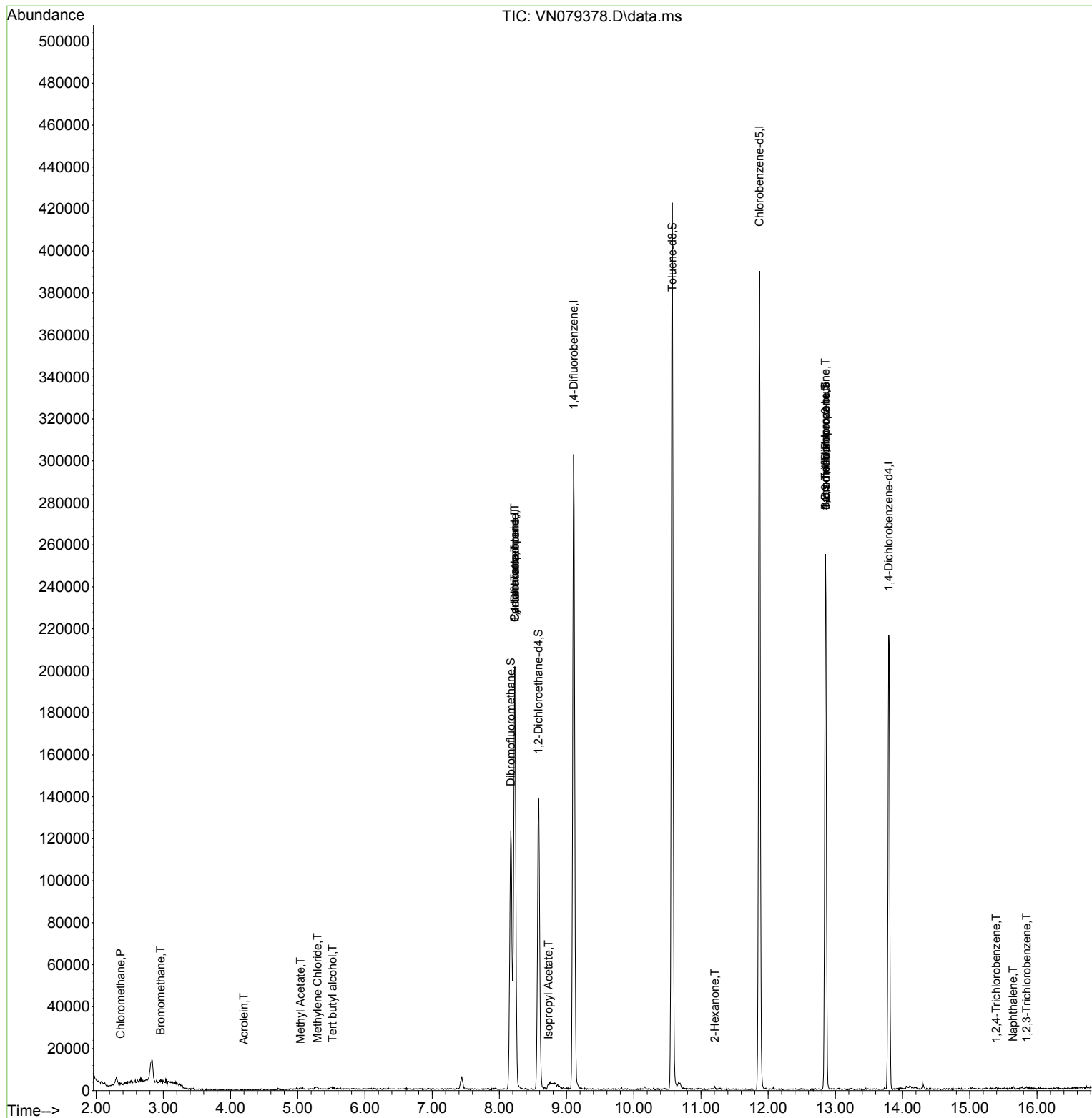
Internal Standards						
1) Pentafluorobenzene	8.229	168	136516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	253723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	217464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	56596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	112657	61.132	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.260%			
35) Dibromofluoromethane	8.171	113	88717	52.566	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.140%			
50) Toluene-d8	10.570	98	280091	45.198	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.400%			
62) 4-Bromofluorobenzene	12.853	95	84078	42.534	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.060%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	423	0.239	ug/l #	42
5) Bromomethane	2.959	94	693	0.624	ug/l #	4
6) Chloroethane	3.112	64	307	Below Cal	#	43
11) Tert butyl alcohol	5.518	59	437	1.284	ug/l #	72
13) Acrolein	4.200	56	88	0.271	ug/l #	16
18) Methyl Acetate	5.041	43	979	0.304	ug/l #	42
20) Methylene Chloride	5.294	84	431	0.226	ug/l #	63
31) Cyclohexane	8.229	56	3841	1.427	ug/l #	27
36) 1,1-Dichloropropene	8.229	75	12800	4.920	ug/l #	47
38) Carbon Tetrachloride	8.229	117	15098	5.608	ug/l #	15
43) Isopropyl Acetate	8.729	43	1153	0.272	ug/l #	49
58) 2-Chloroethyl Vinyl ether	10.165	63	583	Below Cal	#	62
59) 2-Hexanone	11.206	43	586	0.329	ug/l	65
71) Bromoform	12.853	173	629	0.461	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	47298	31.008	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	47298	85.248	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	217	0.286	ug/l #	60
95) Naphthalene	15.647	128	1500	0.666	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.847	180	402	0.449	ug/l #	75

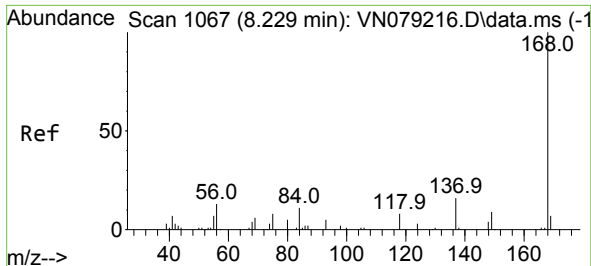
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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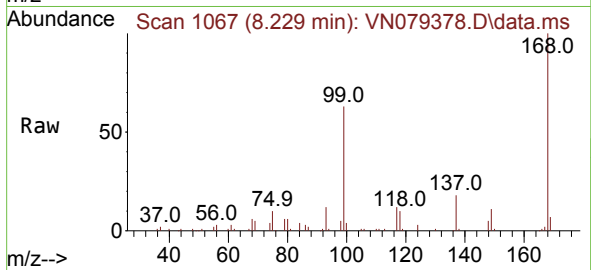
Quant Time: Oct 02 01:51:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
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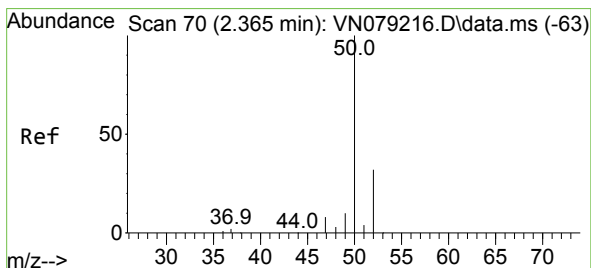
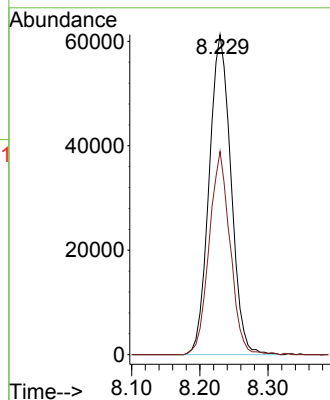
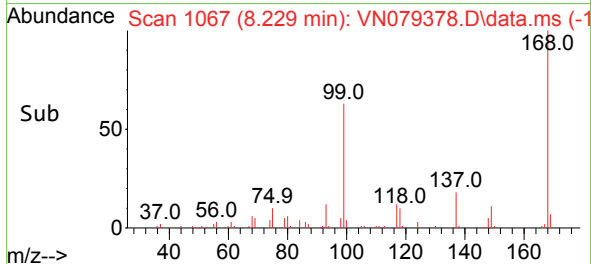


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

Instrument :
MSVOA_N
ClientSampleId :

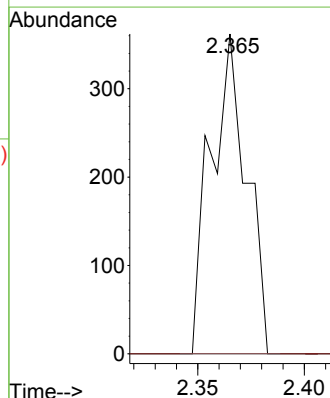
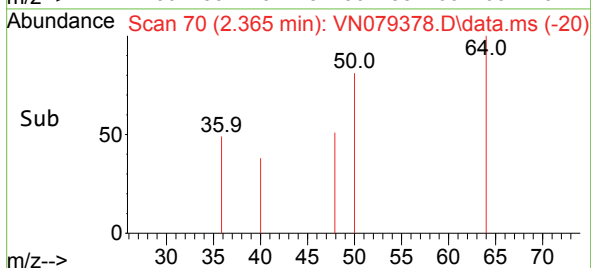
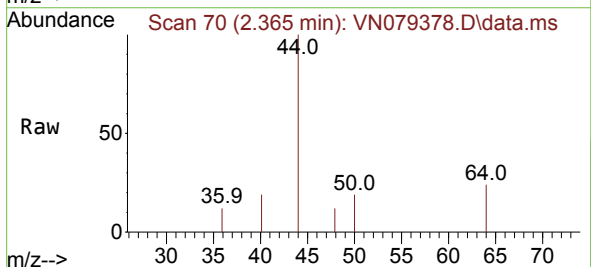


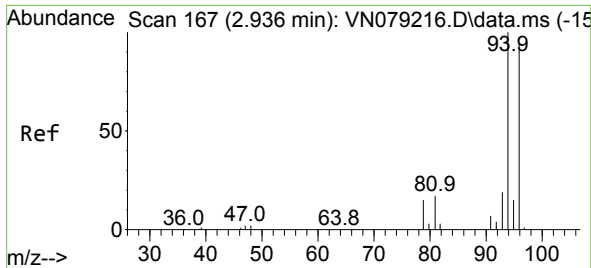
Tgt Ion:168 Resp: 136516
Ion Ratio Lower Upper
168 100
99 63.5 53.0 79.6



#3
Chloromethane
Concen: 0.239 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

Tgt Ion: 50 Resp: 423
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#5

Bromomethane

Concen: 0.624 ug/l

RT: 2.959 min Scan# 11

Delta R.T. 0.011 min

Lab File: VN079378.D

Acq: 30 Sep 2023 11:46

Instrument :

MSVOA_N

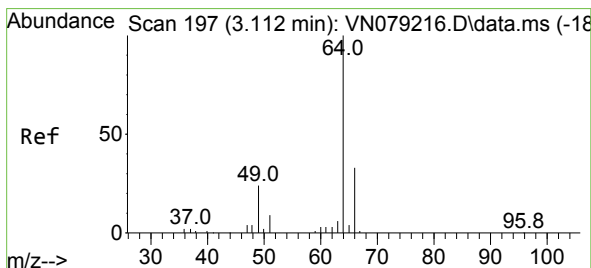
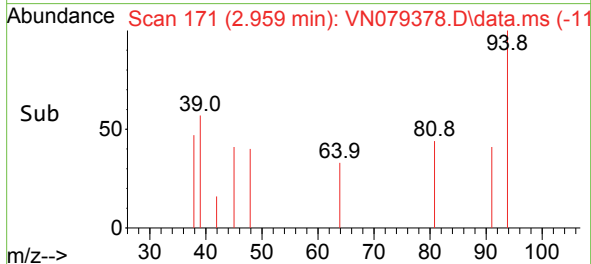
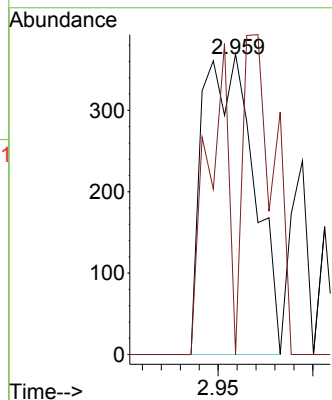
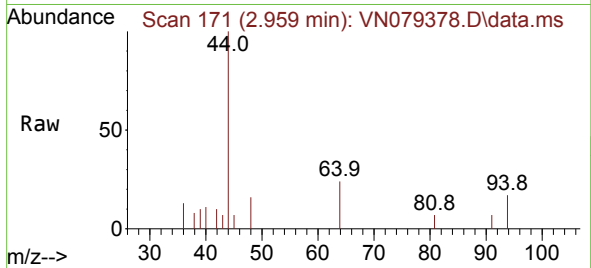
ClientSampleId :

Tgt Ion: 94 Resp: 693

Ion Ratio Lower Upper

94 100

96 0.0 73.1 109.7#



#6

Chloroethane

Concen: Below Cal

RT: 3.112 min Scan# 197

Delta R.T. -0.006 min

Lab File: VN079378.D

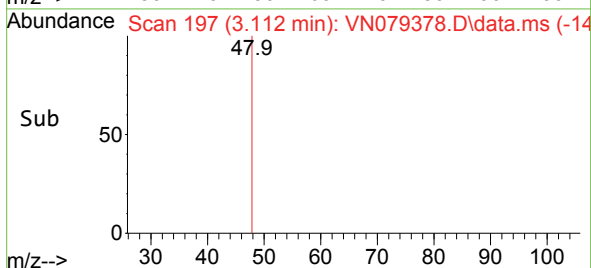
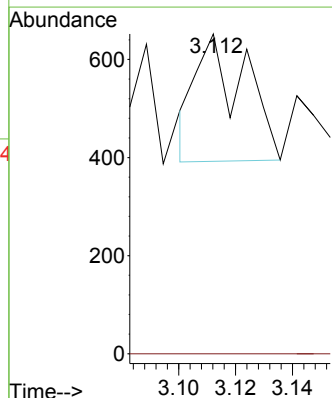
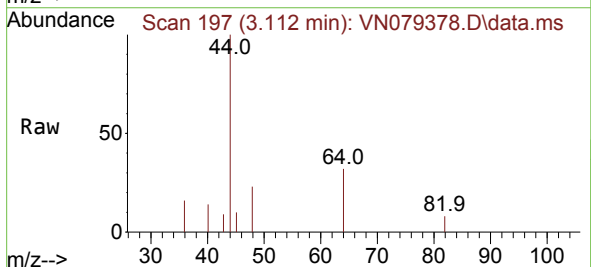
Acq: 30 Sep 2023 11:46

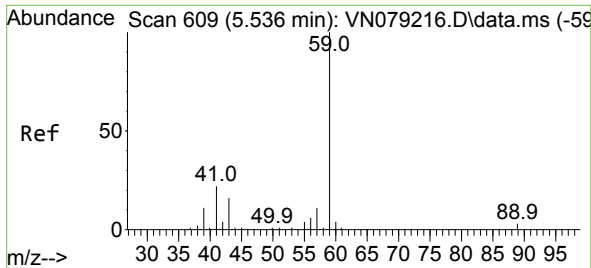
Tgt Ion: 64 Resp: 307

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

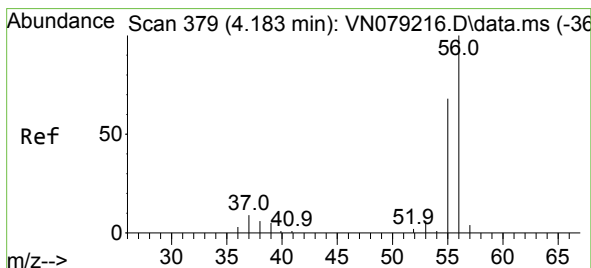
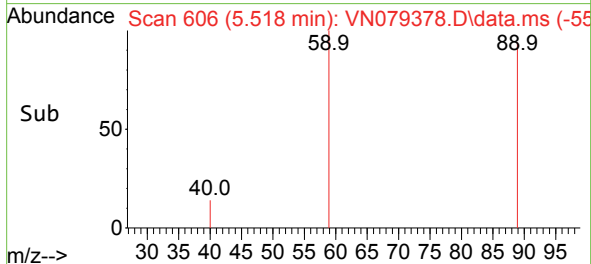
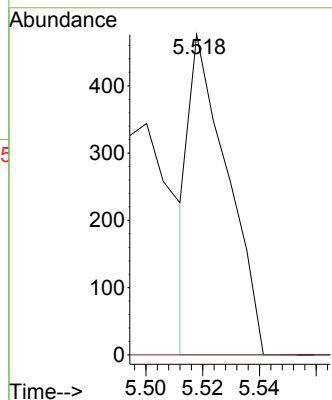
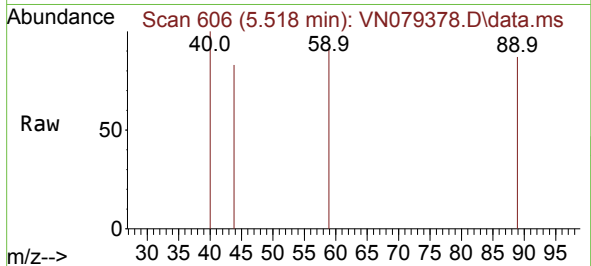




#11
Tert butyl alcohol
Concen: 1.284 ug/l
RT: 5.518 min Scan# 609
Delta R.T. -0.024 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

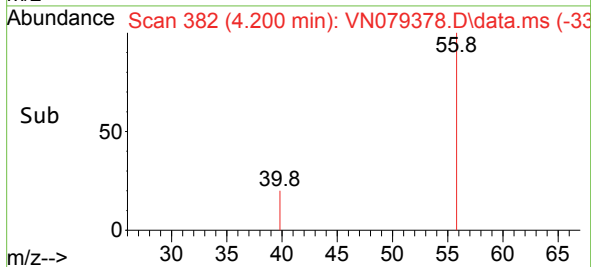
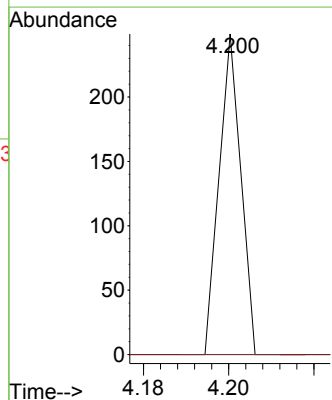
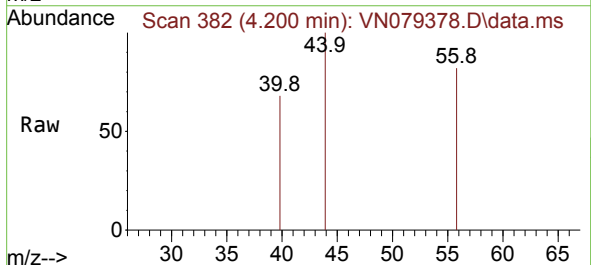
Instrument :
MSVOA_N
ClientSampleId :

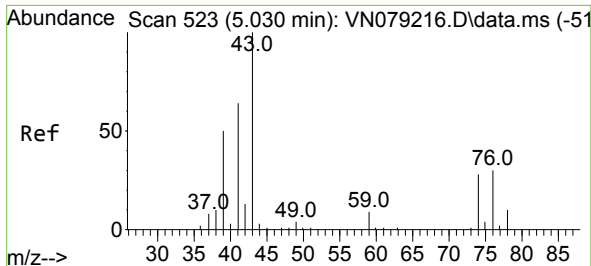
Tgt Ion: 59 Resp: 437
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.271 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.005 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#





#18

Methyl Acetate

Concen: 0.304 ug/l

RT: 5.041 min Scan# 51

Delta R.T. -0.001 min

Lab File: VN079378.D

Acq: 30 Sep 2023 11:46

Instrument :

MSVOA_N

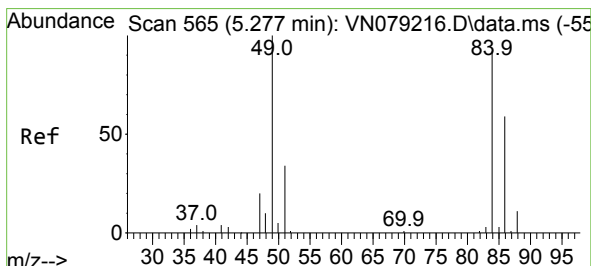
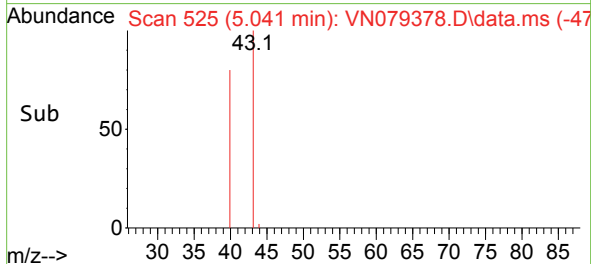
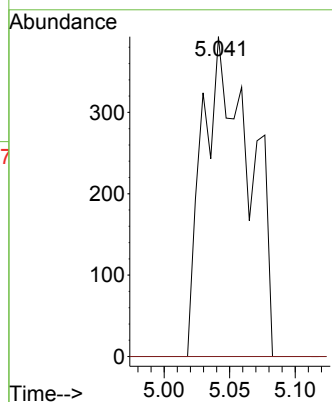
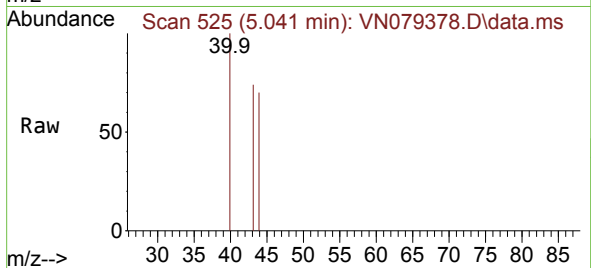
ClientSampleId :

Tgt Ion: 43 Resp: 979

Ion Ratio Lower Upper

43 100

74 0.0 26.2 39.4#



#20

Methylene Chloride

Concen: 0.226 ug/l

RT: 5.294 min Scan# 568

Delta R.T. 0.011 min

Lab File: VN079378.D

Acq: 30 Sep 2023 11:46

Tgt Ion: 84 Resp: 431

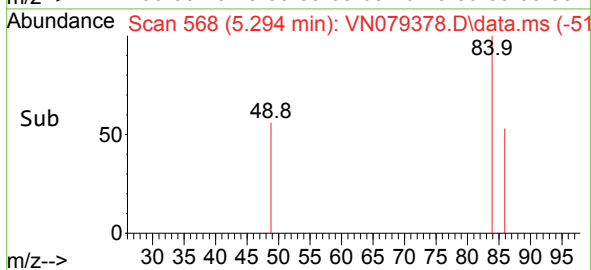
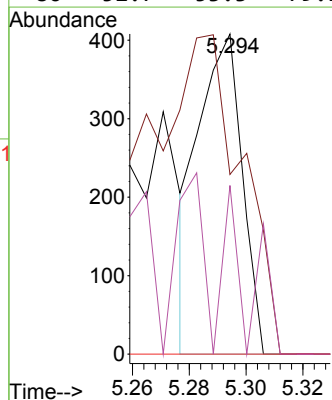
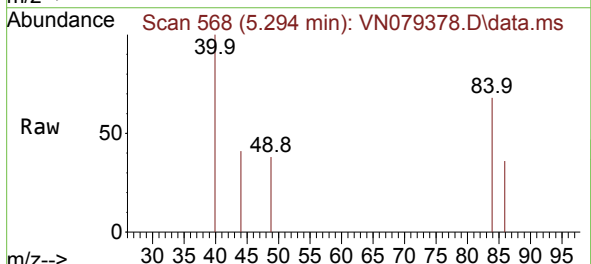
Ion Ratio Lower Upper

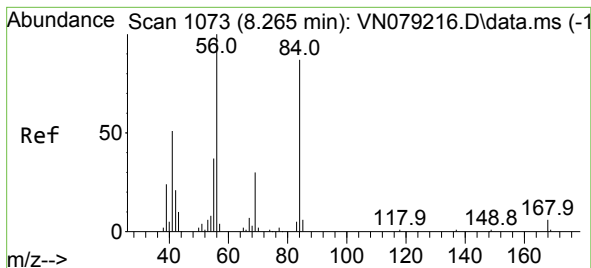
84 100

49 56.1 79.7 119.5#

51 0.0 25.2 37.8#

86 52.7 53.3 79.9#





#31

Cyclohexane

Concen: 1.427 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.036 min

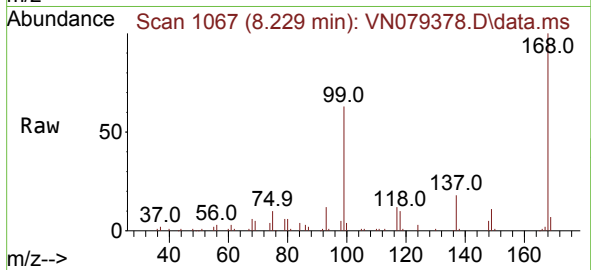
Lab File: VN079378.D

Acq: 30 Sep 2023 11:46

Instrument :

MSVOA_N

ClientSampleId :



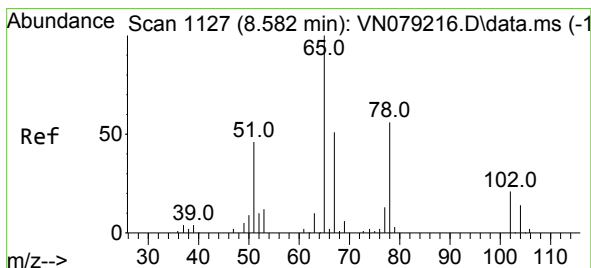
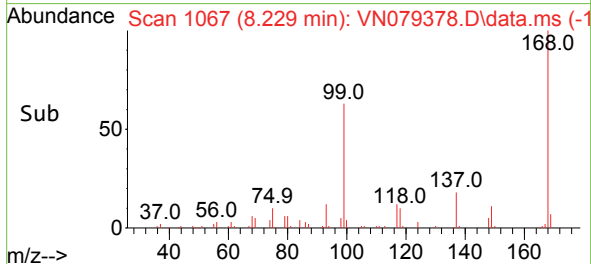
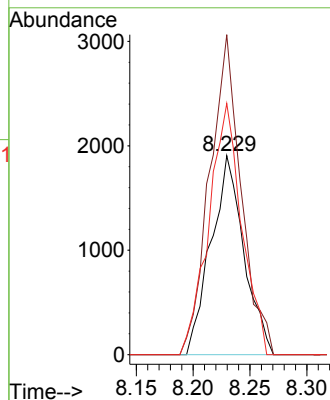
Tgt Ion: 56 Resp: 3841

Ion Ratio Lower Upper

56 100

69 160.8 26.8 40.2#

84 126.2 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 61.132 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079378.D

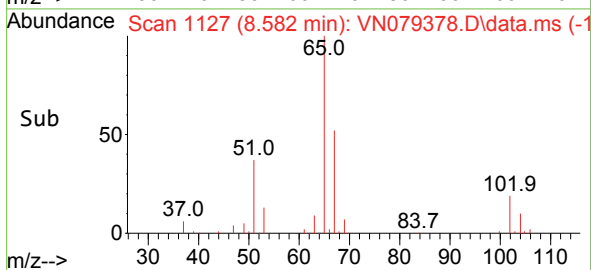
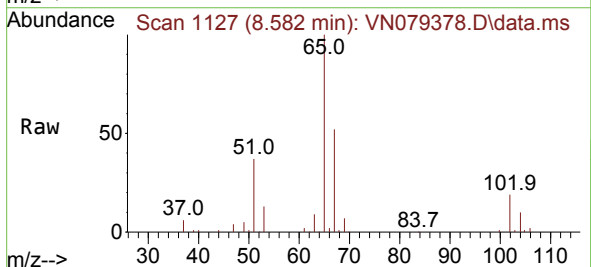
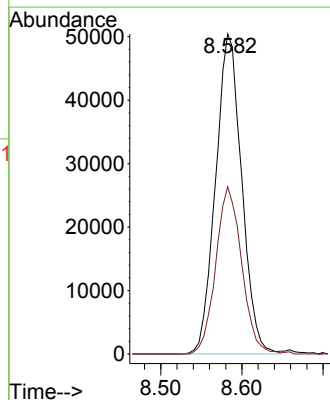
Acq: 30 Sep 2023 11:46

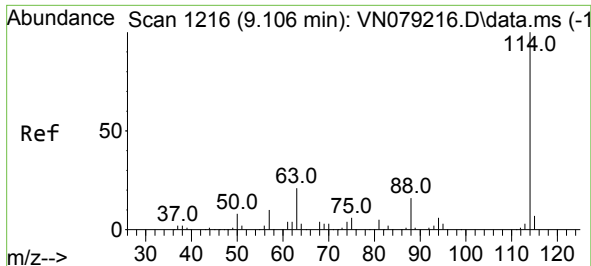
Tgt Ion: 65 Resp: 112657

Ion Ratio Lower Upper

65 100

67 51.9 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: VN079378.D

Acq: 30 Sep 2023 11:46

Instrument :

MSVOA_N

ClientSampleId :

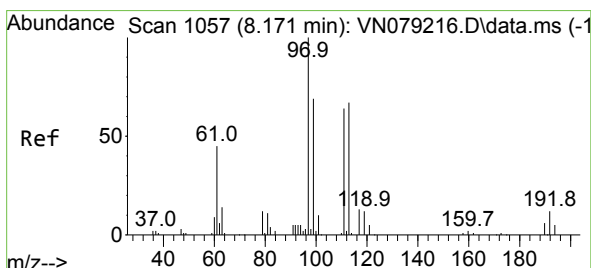
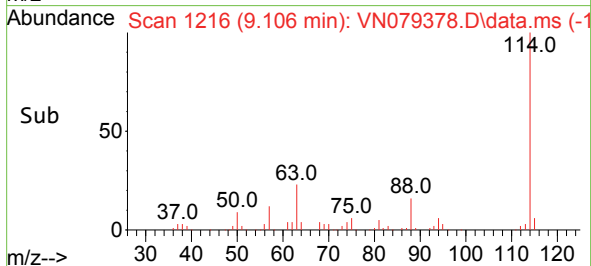
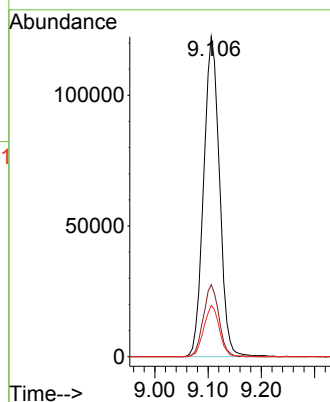
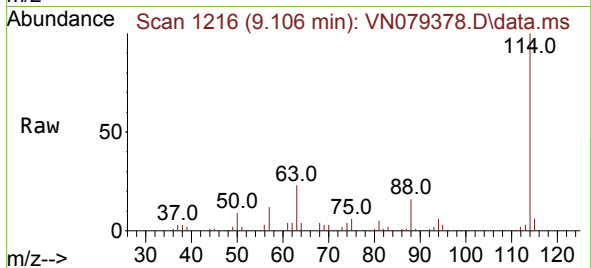
Tgt Ion:114 Resp: 253723

Ion Ratio Lower Upper

114 100

63 22.5 0.0 36.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.566 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079378.D

Acq: 30 Sep 2023 11:46

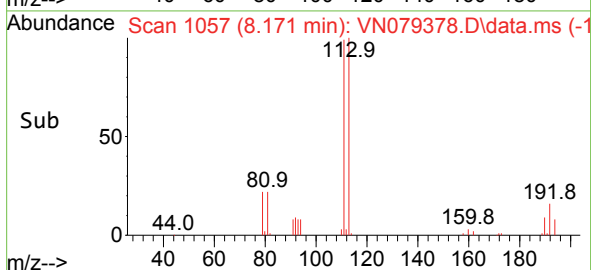
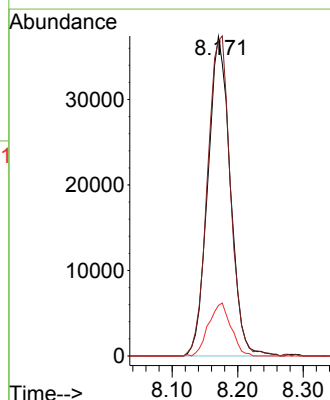
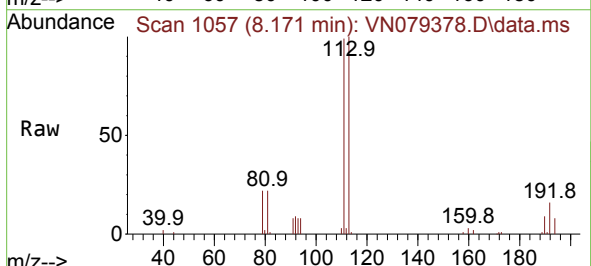
Tgt Ion:113 Resp: 88717

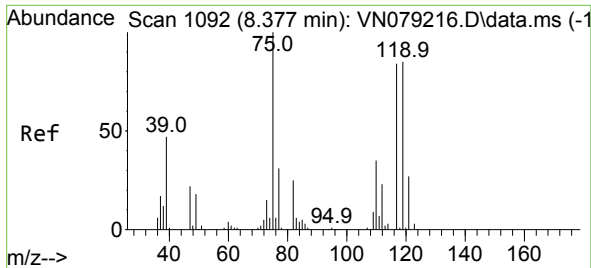
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

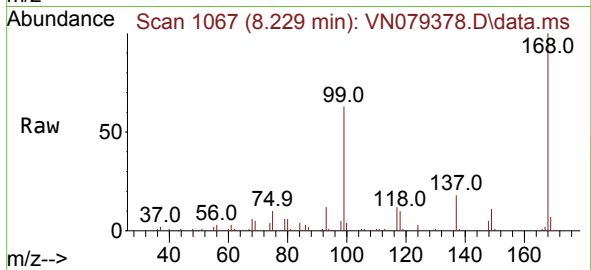
192 16.6 12.7 19.1



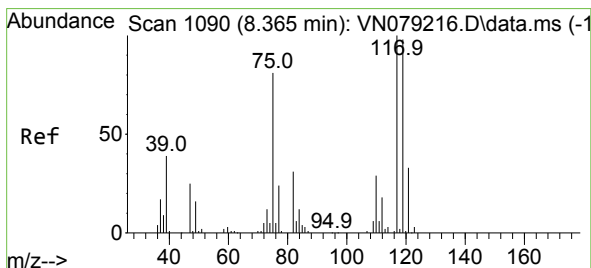
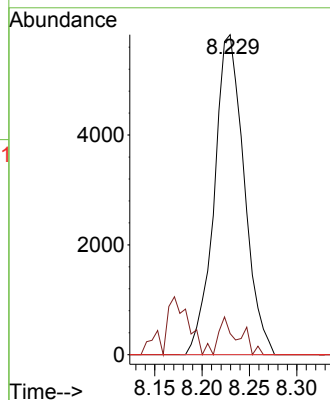
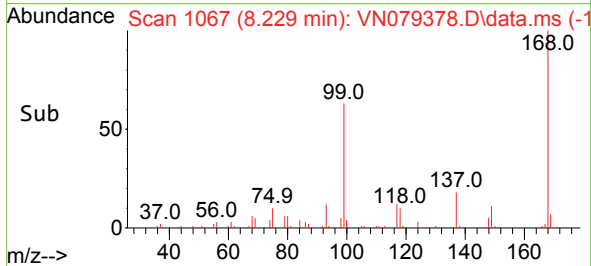


#36
1,1-Dichloropropene
Concen: 4.920 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

Instrument :
MSVOA_N
ClientSampleId :

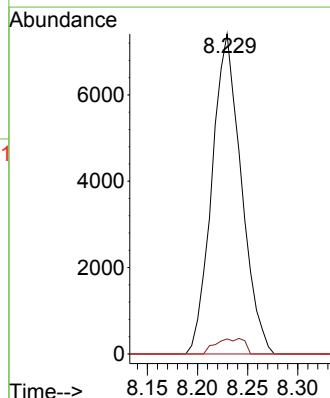
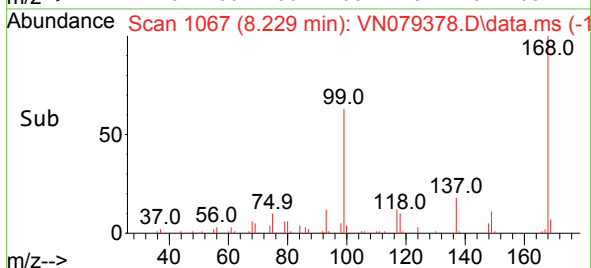
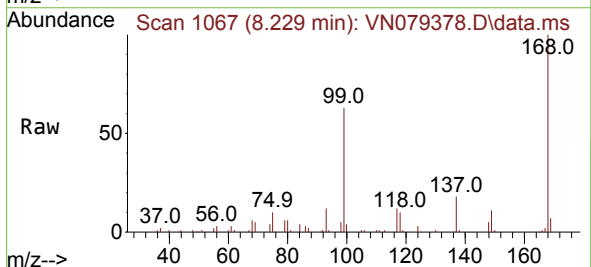


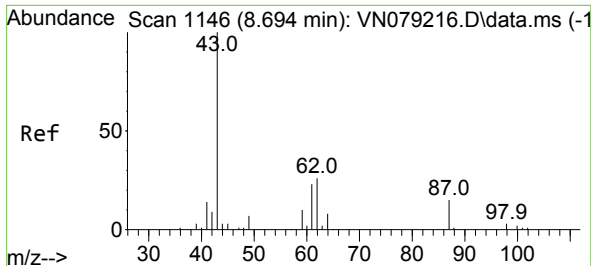
Tgt Ion: 75 Resp: 12800
Ion Ratio Lower Upper
75 100
110 7.5 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.608 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.142 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

Tgt Ion: 117 Resp: 15098
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 23.3 34.9#

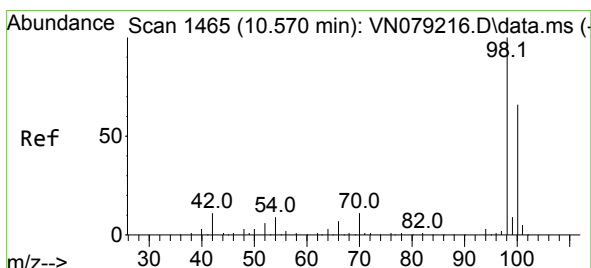
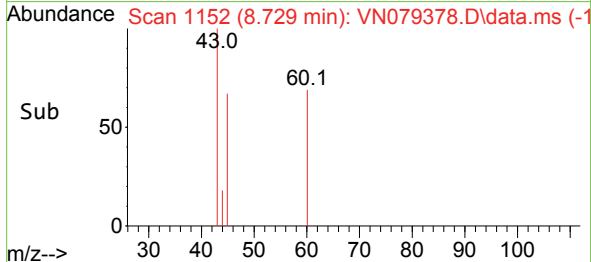
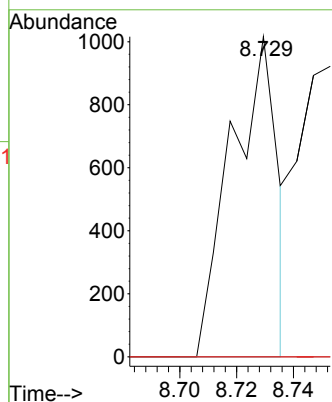
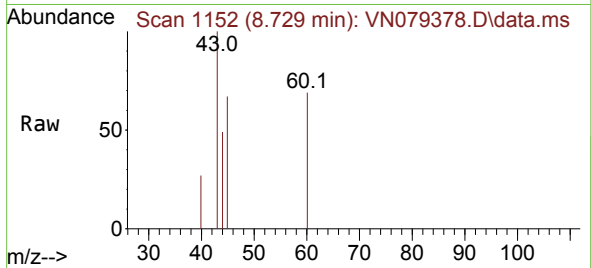




#43
Isopropyl Acetate
Concen: 0.272 ug/l
RT: 8.729 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

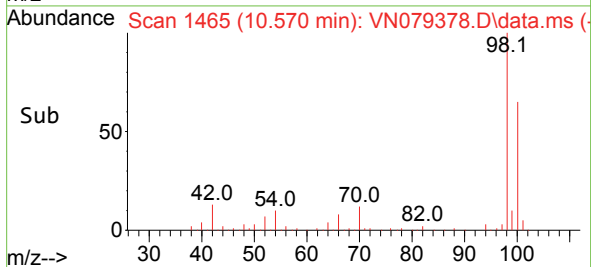
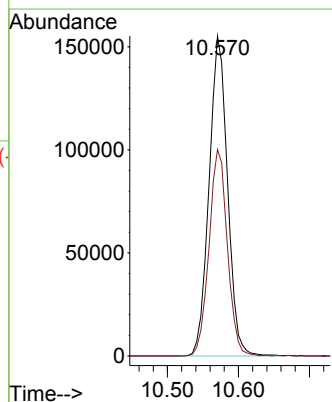
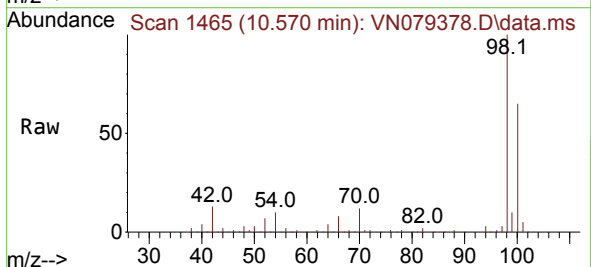
Instrument :
MSVOA_N
ClientSampleId :

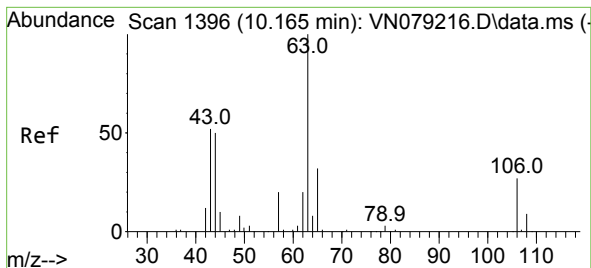
Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 45.198 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

Tgt Ion: 98 Resp: 280091
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

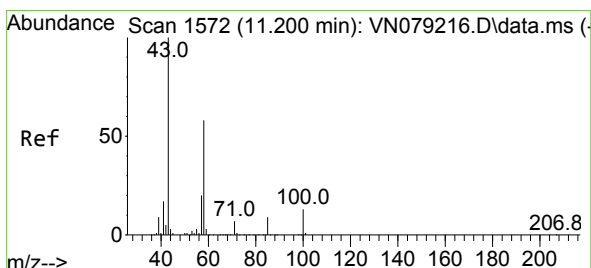
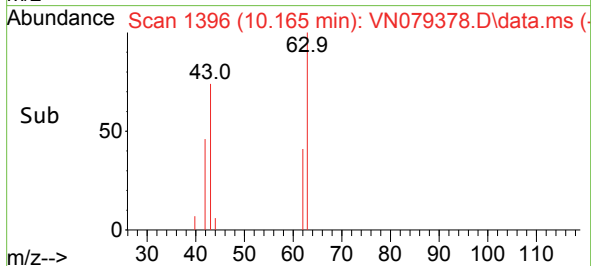
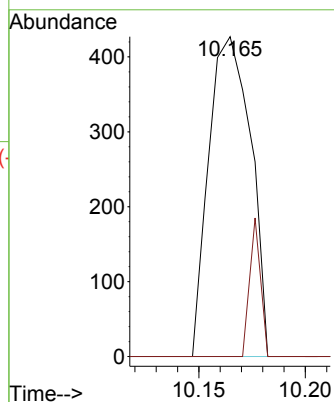
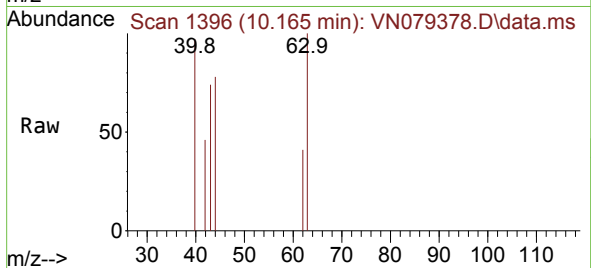




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.165 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

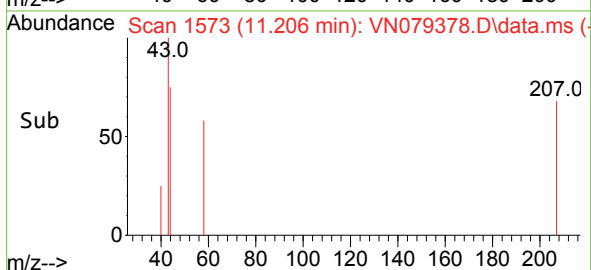
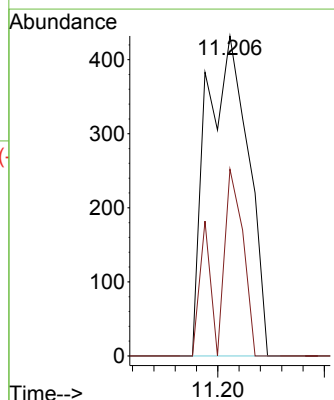
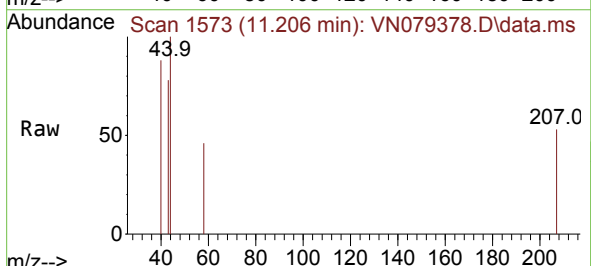
Instrument :
MSVOA_N
ClientSampleId :

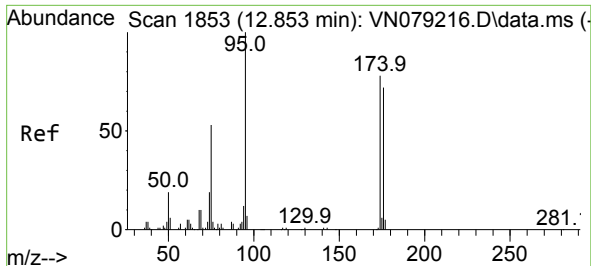
Tgt Ion: 63 Resp: 583
Ion Ratio Lower Upper
63 100
106 11.1 26.2 39.4#



#59
2-Hexanone
Concen: 0.329 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

Tgt Ion: 43 Resp: 586
Ion Ratio Lower Upper
43 100
58 36.3 31.7 95.1

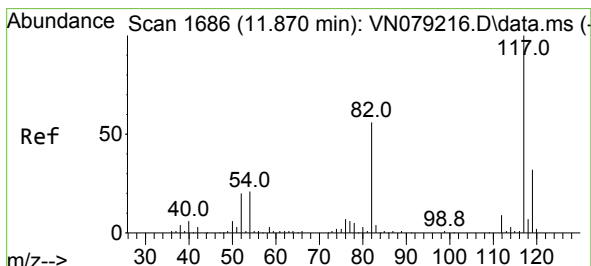
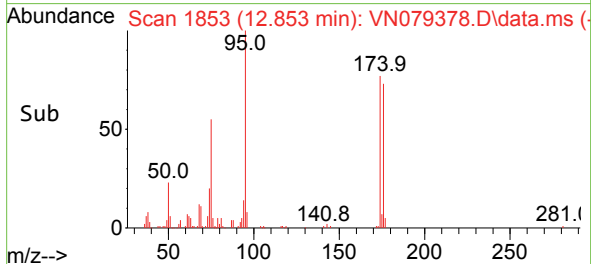
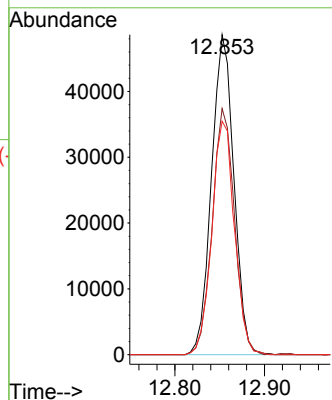
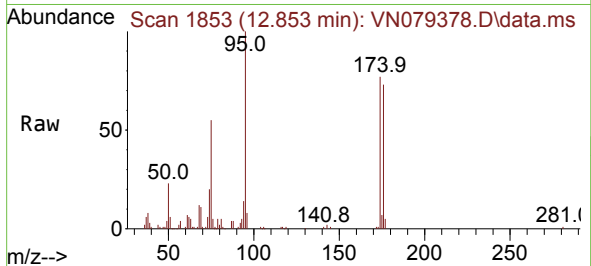




#62
4-Bromofluorobenzene
Concen: 42.534 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

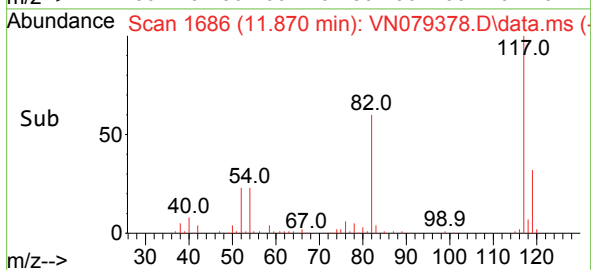
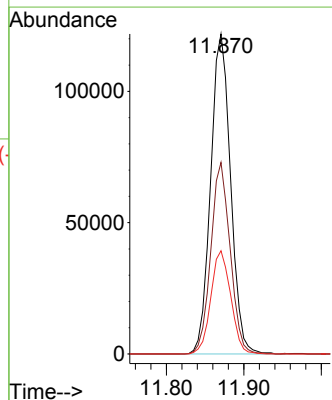
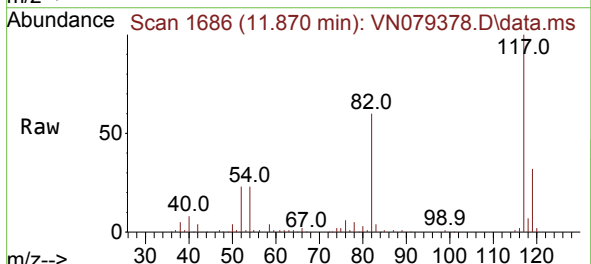
Instrument :
MSVOA_N
ClientSampleId :

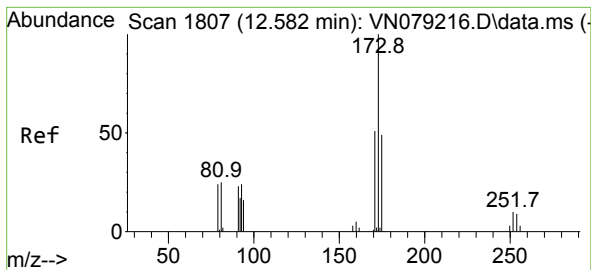
Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	143.8
176	73.9	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.9	44.0	66.0
119	32.3	25.6	38.4





#71

Bromoform

Concen: 0.461 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

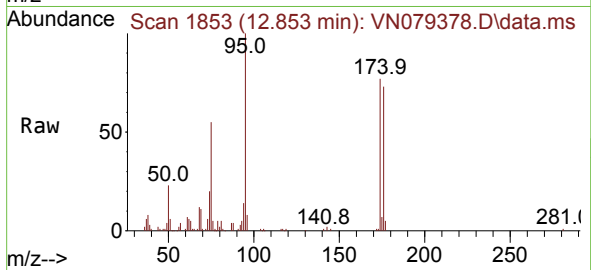
Lab File: VN079378.D

Acq: 30 Sep 2023 11:46

Instrument :

MSVOA_N

ClientSampleId :



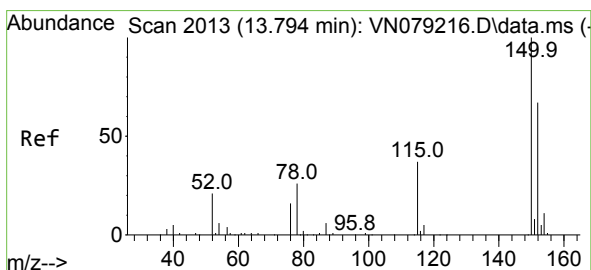
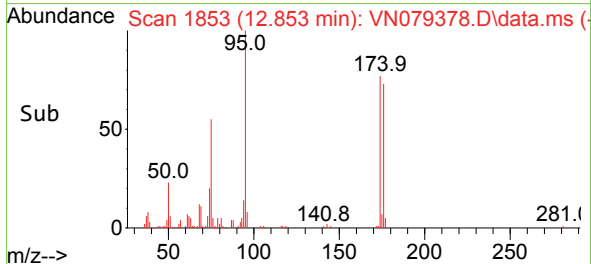
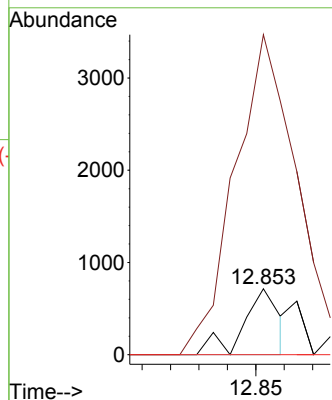
Tgt Ion:173 Resp: 629

Ion Ratio Lower Upper

173 100

175 637.0 24.3 73.0#

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: VN079378.D

Acq: 30 Sep 2023 11:46

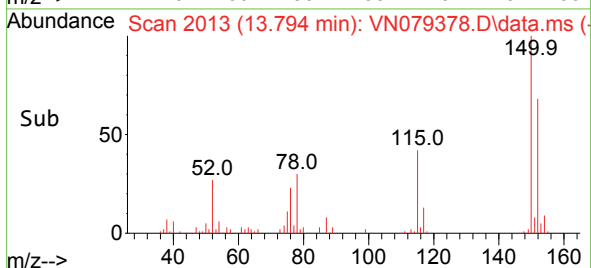
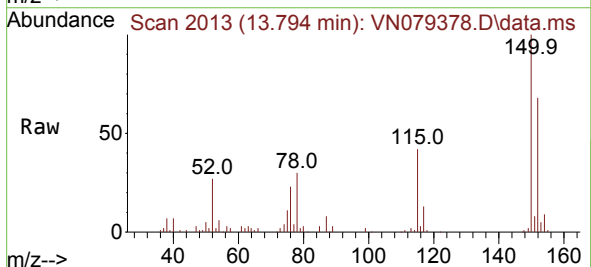
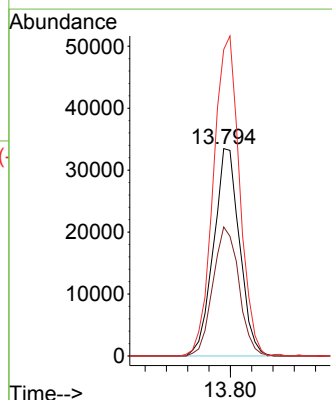
Tgt Ion:152 Resp: 56596

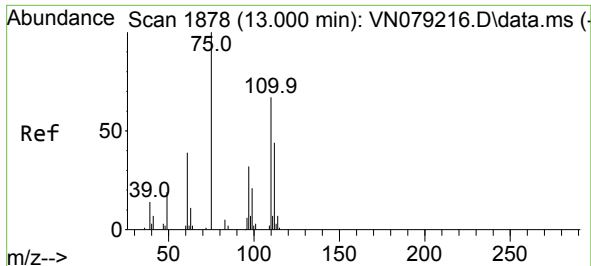
Ion Ratio Lower Upper

152 100

115 62.3 32.3 96.8

150 155.9 0.0 355.8

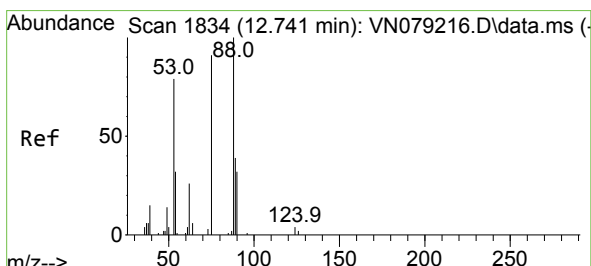
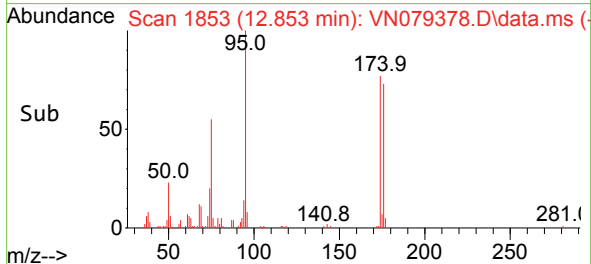
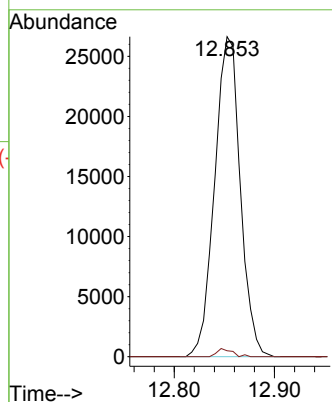
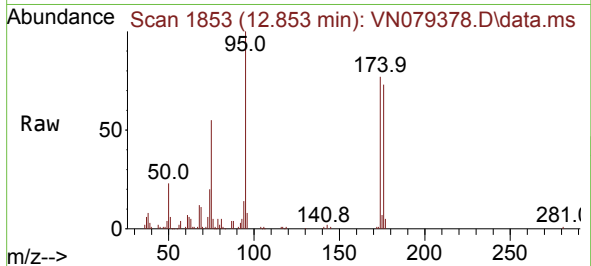




#76
1,2,3-Trichloropropane
Concen: 31.008 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

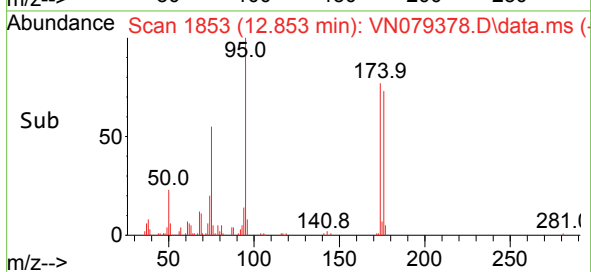
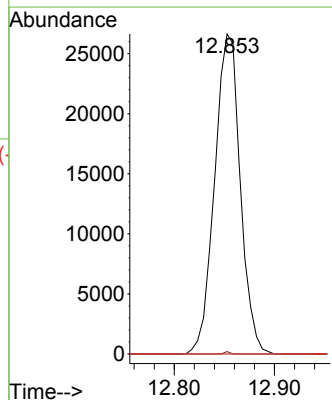
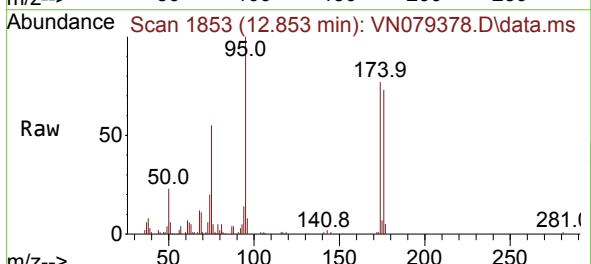
Instrument :
MSVOA_N
ClientSampleId :

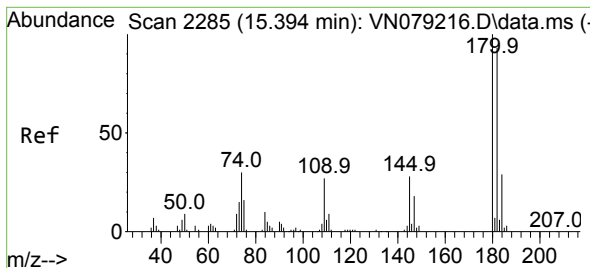
Tgt Ion: 75 Resp: 47298
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.248 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079378.D
Acq: 30 Sep 2023 11:46

Tgt Ion: 75 Resp: 47298
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: 0.286 ug/l

RT: 15.394 min Scan# 217

Delta R.T. -0.006 min

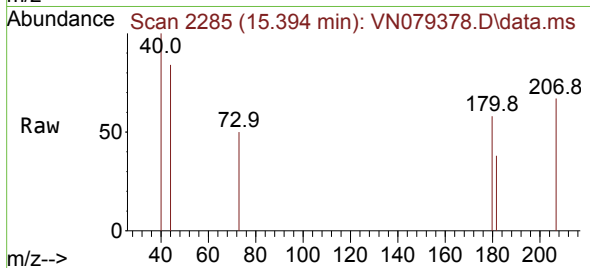
Lab File: VN079378.D

Acq: 30 Sep 2023 11:46

Instrument :

MSVOA_N

ClientSampleId :



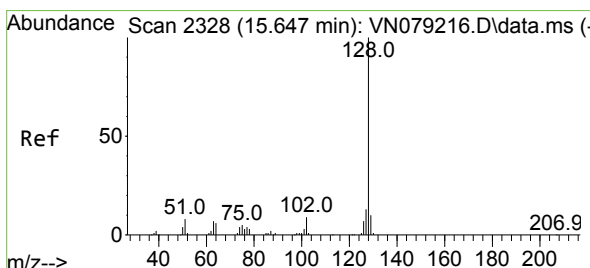
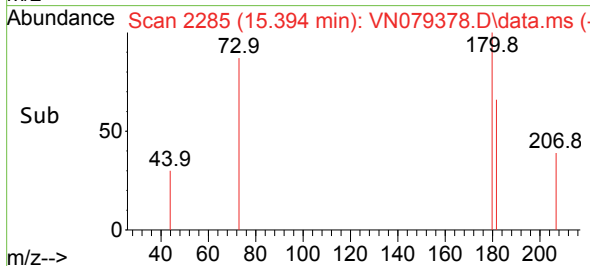
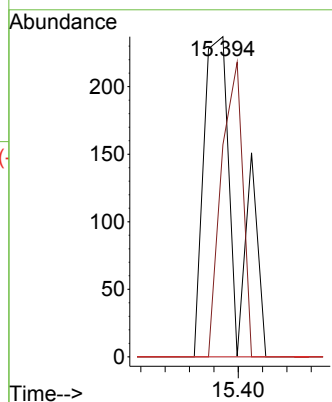
Tgt Ion:180 Resp: 217

Ion Ratio Lower Upper

180 100

182 60.8 46.1 138.2

145 0.0 16.6 49.8#



#95

Naphthalene

Concen: 0.666 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN079378.D

Acq: 30 Sep 2023 11:46

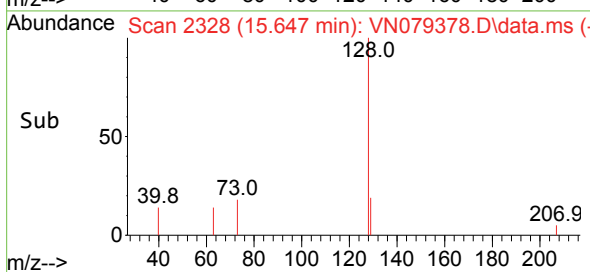
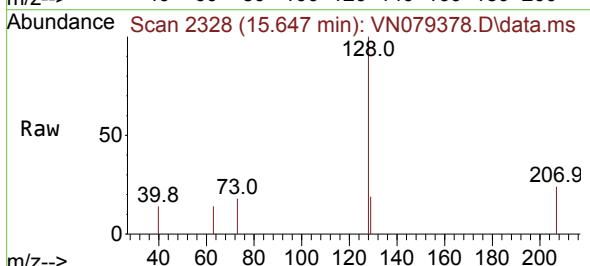
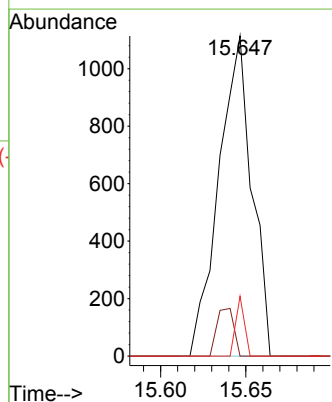
Tgt Ion:128 Resp: 1500

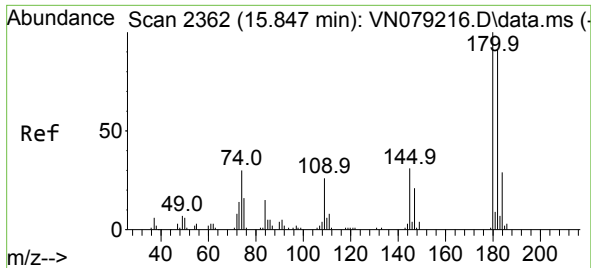
Ion Ratio Lower Upper

128 100

127 7.7 10.0 15.0#

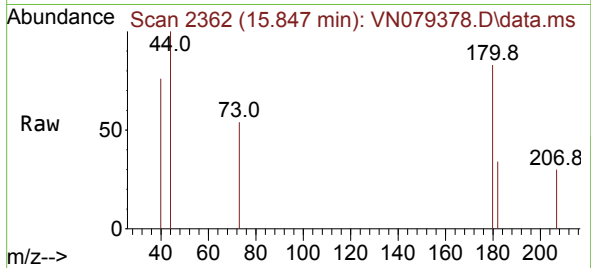
129 4.9 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.449 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN079378.D
 Acq: 30 Sep 2023 11:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	71.4	46.2	138.6
145	14.9	17.5	52.6#

