

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091823\
 Data File : VN079294.D
 Acq On : 18 Sep 2023 19:13
 Operator : JC\MD
 Sample : 04414-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:27:38 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

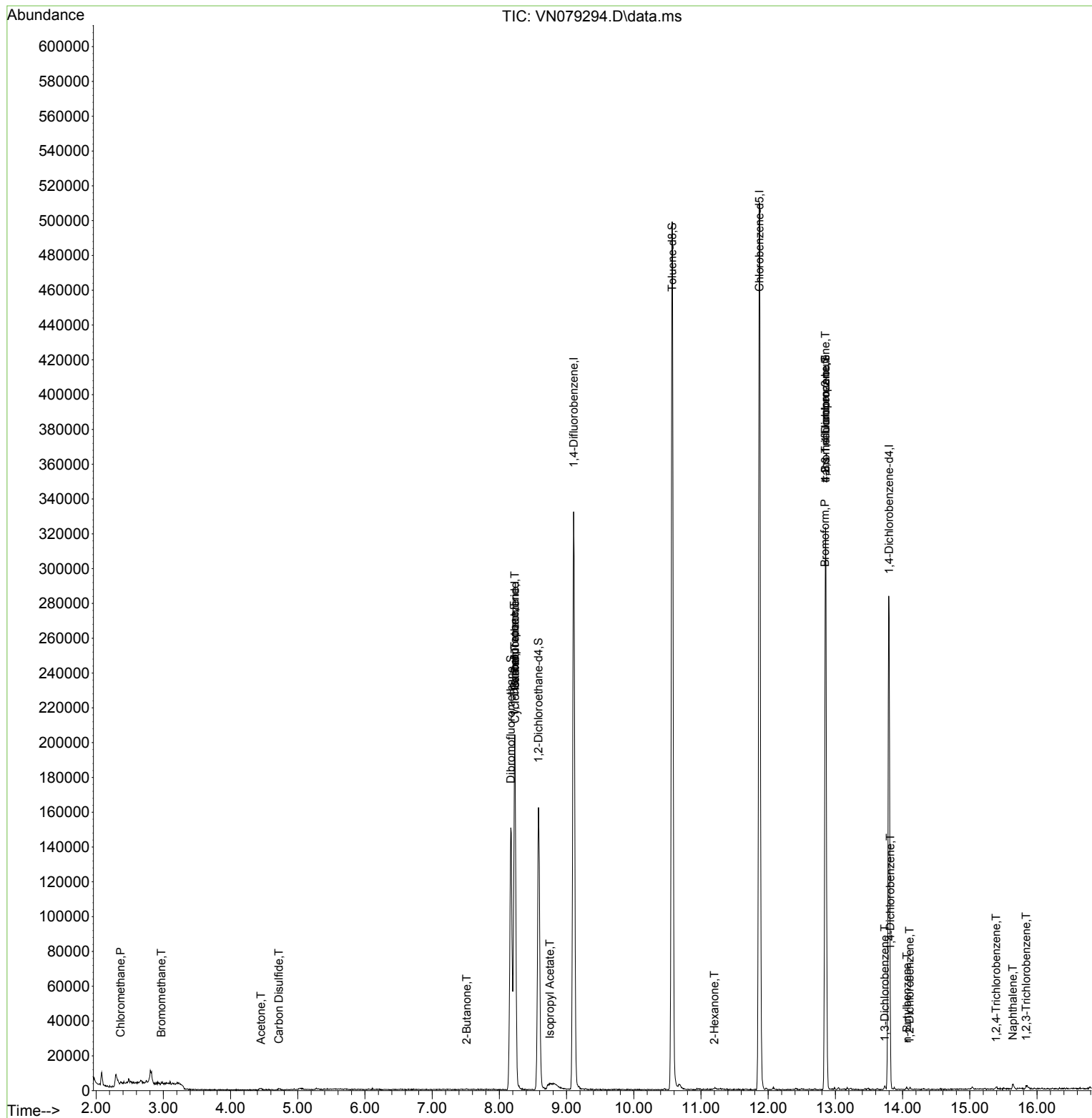
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	139715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	281727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	287948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	73995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	129927	68.890	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	137.780%#
35) Dibromofluoromethane	8.171	113	106585	56.876	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	113.760%
50) Toluene-d8	10.571	98	344140	50.013	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.020%
62) 4-Bromofluorobenzene	12.853	95	110784	50.473	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.940%
Target Compounds						Qvalue
3) Chloromethane	2.365	50	703	0.387	ug/l #	83
5) Bromomethane	2.971	94	269	0.237	ug/l #	40
6) Chloroethane	3.112	64	181	Below Cal	#	43
16) Acetone	4.453	43	1613	2.014	ug/l #	80
17) Carbon Disulfide	4.718	76	951	0.204	ug/l #	75
25) 2-Butanone	7.512	43	280	0.241	ug/l #	37
31) Cyclohexane	8.235	56	3840	1.394	ug/l #	48
36) 1,1-Dichloropropene	8.224	75	12614	4.367	ug/l #	47
38) Carbon Tetrachloride	8.230	117	15537	5.198	ug/l #	18
43) Isopropyl Acetate	8.753	43	4601	0.979	ug/l #	49
59) 2-Hexanone	11.200	43	1051	0.532	ug/l #	29
71) Bromoform	12.847	173	394	0.218	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	62592	31.386	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	62592	86.287	ug/l #	15
87) 1,3-Dichlorobenzene	13.735	146	816	0.292	ug/l #	84
88) 1,4-Dichlorobenzene	13.817	146	734	0.260	ug/l #	1
89) n-Butylbenzene	14.064	91	1172	0.292	ug/l #	69
91) 1,2-Dichlorobenzene	14.106	146	831	0.301	ug/l #	59
93) 1,2,4-Trichlorobenzene	15.394	180	795	0.802	ug/l #	75
95) Naphthalene	15.641	128	3165	1.074	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	937	0.801	ug/l #	70

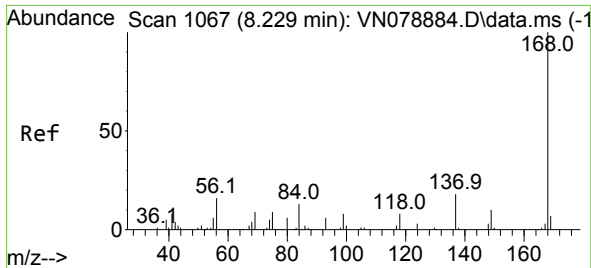
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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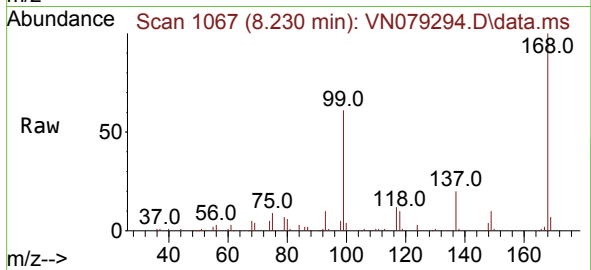
Quant Time: Sep 19 01:27:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
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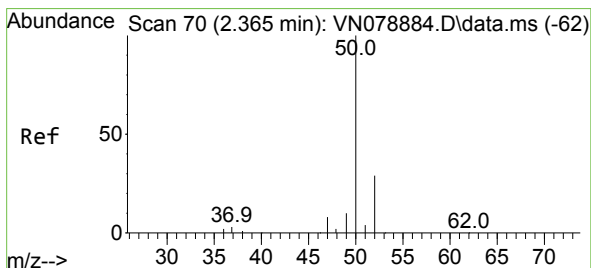
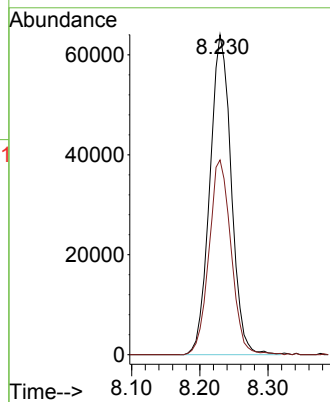
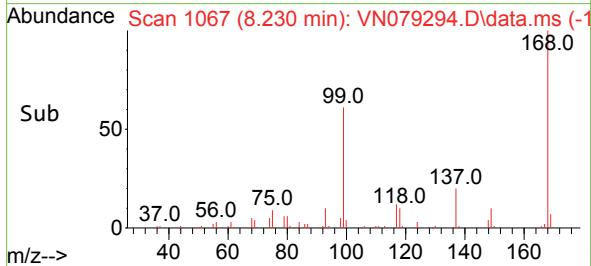


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13

Instrument :
MSVOA_N
ClientSampleId :

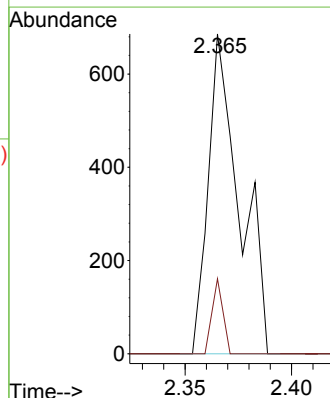
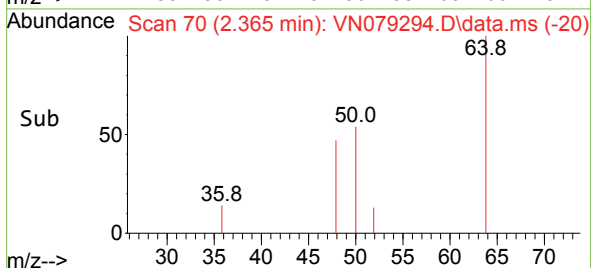
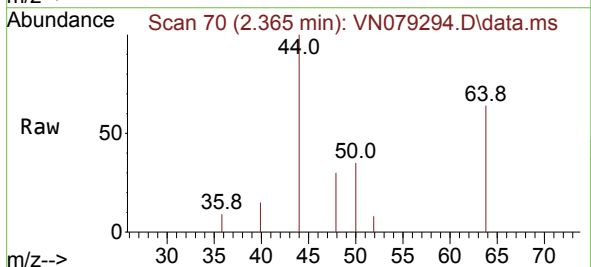


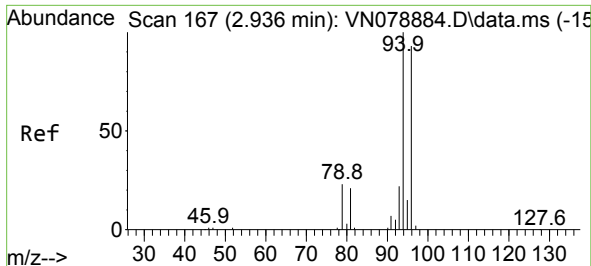
Tgt Ion:168 Resp: 139715
Ion Ratio Lower Upper
168 100
99 60.9 53.0 79.6



#3
Chloromethane
Concen: 0.387 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13

Tgt Ion: 50 Resp: 703
Ion Ratio Lower Upper
50 100
52 23.5 26.5 39.7#





#5

Bromomethane

Concen: 0.237 ug/l

RT: 2.971 min Scan# 1

Delta R.T. 0.023 min

Lab File: VN079294.D

Acq: 18 Sep 2023 19:13

Instrument :

MSVOA_N

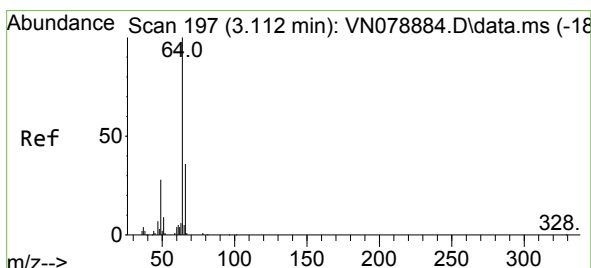
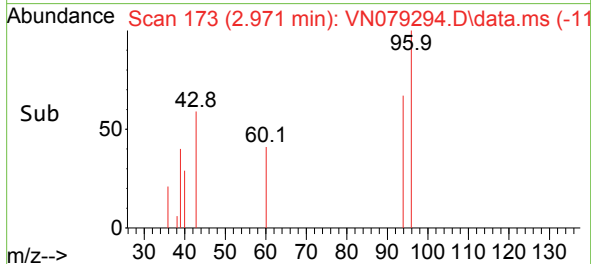
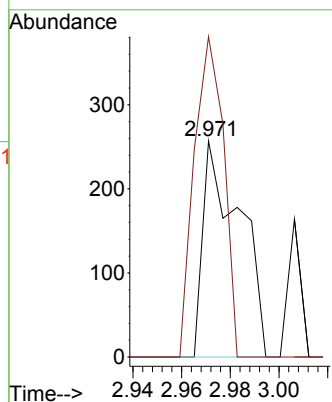
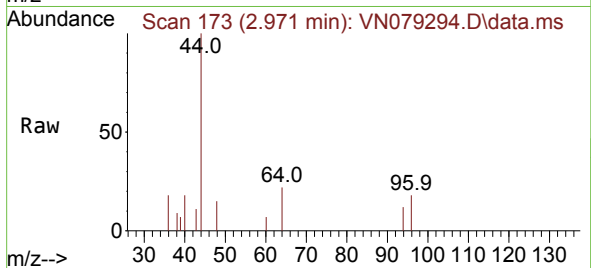
ClientSampleId :

Tgt Ion: 94 Resp: 269

Ion Ratio Lower Upper

94 100

96 148.2 73.1 109.7#



#6

Chloroethane

Concen: Below Cal

RT: 3.112 min Scan# 197

Delta R.T. -0.006 min

Lab File: VN079294.D

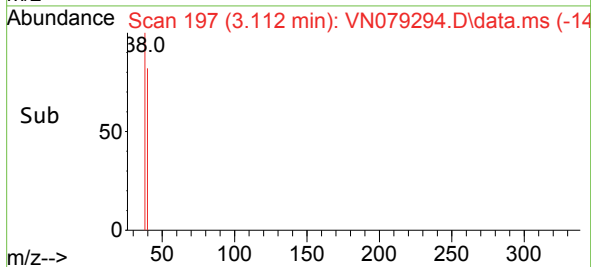
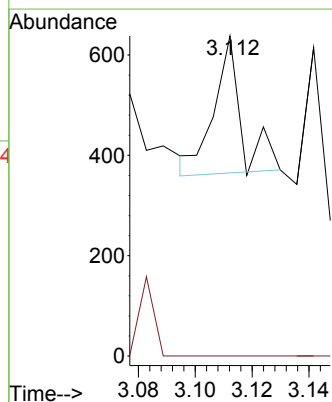
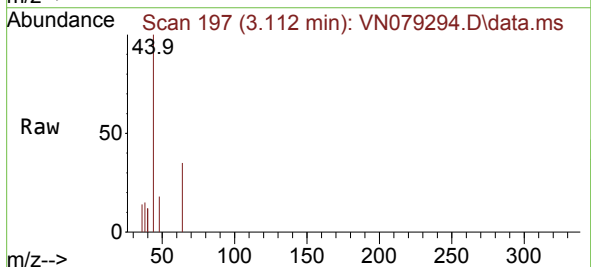
Acq: 18 Sep 2023 19:13

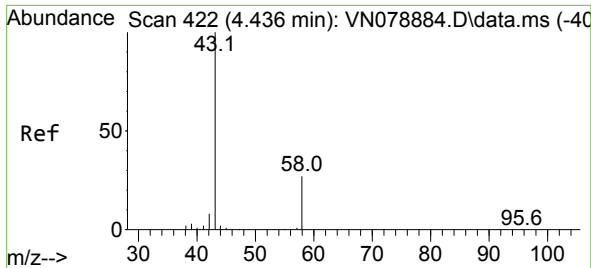
Tgt Ion: 64 Resp: 181

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#





#16

Acetone

Concen: 2.014 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.011 min

Lab File: VN079294.D

Acq: 18 Sep 2023 19:13

Instrument :

MSVOA_N

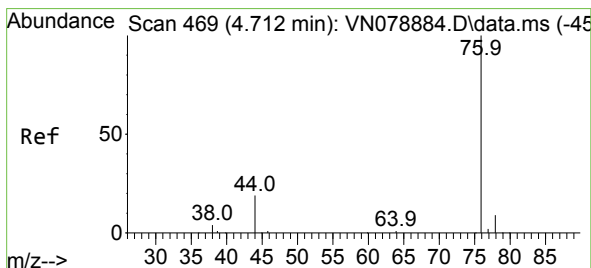
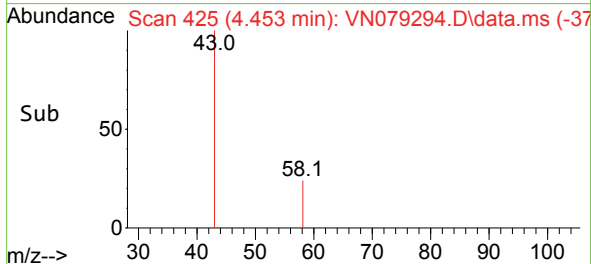
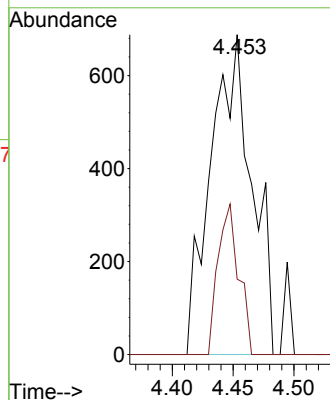
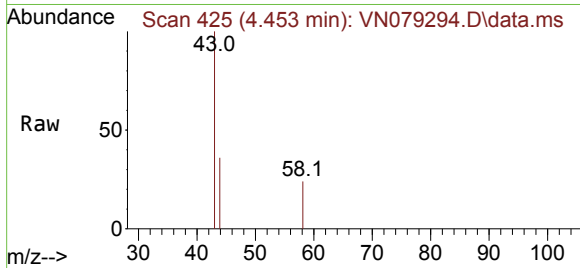
ClientSampleId :

Tgt Ion: 43 Resp: 1613

Ion Ratio Lower Upper

43 100

58 23.5 28.0 42.0#



#17

Carbon Disulfide

Concen: 0.204 ug/l

RT: 4.718 min Scan# 470

Delta R.T. -0.006 min

Lab File: VN079294.D

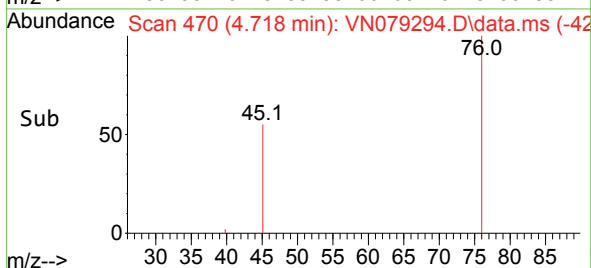
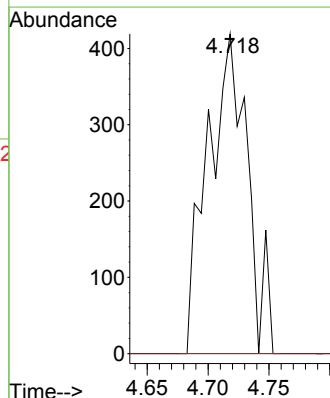
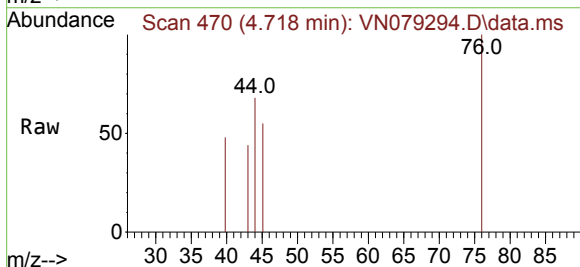
Acq: 18 Sep 2023 19:13

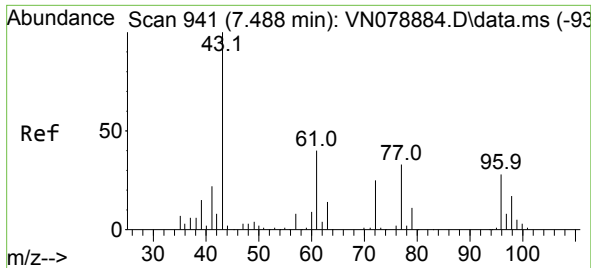
Tgt Ion: 76 Resp: 951

Ion Ratio Lower Upper

76 100

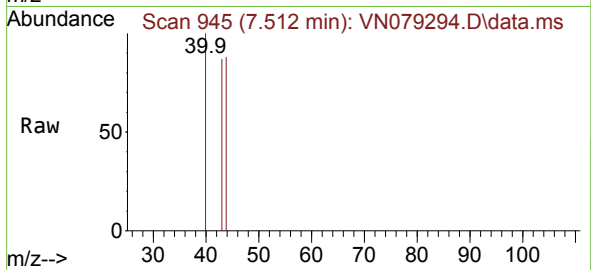
78 0.0 7.4 11.0#



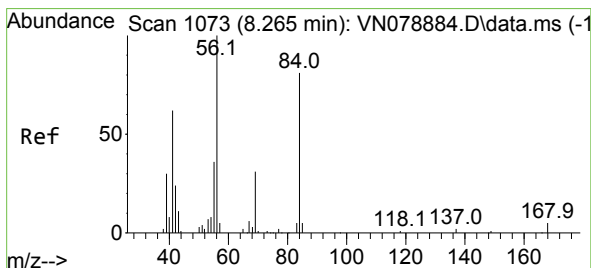
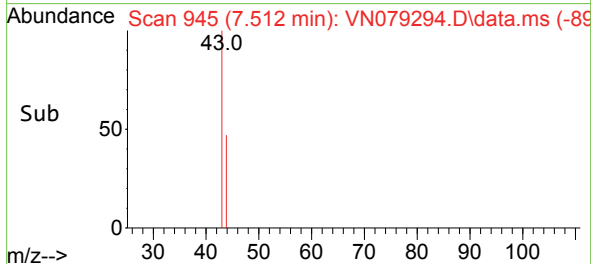
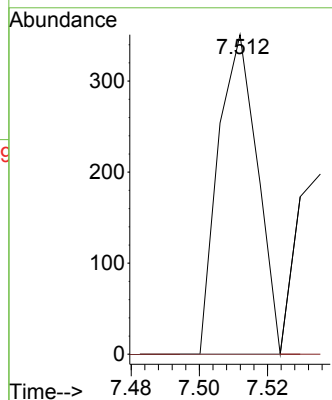


#25
2-Butanone
Concen: 0.241 ug/l
RT: 7.512 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13

Instrument :
MSVOA_N
ClientSampleId :

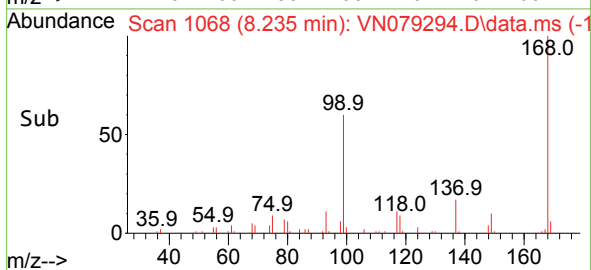
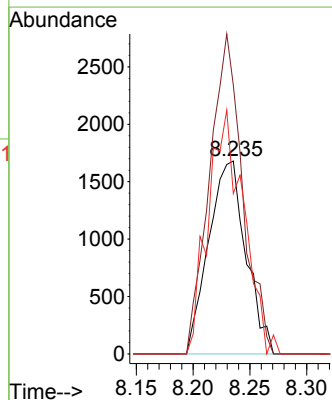
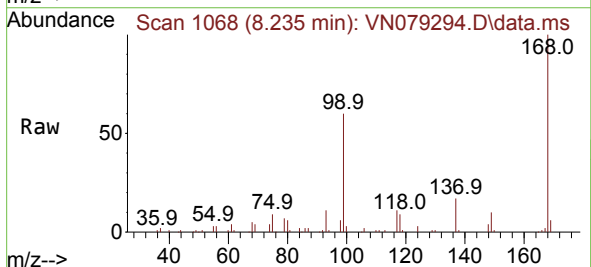


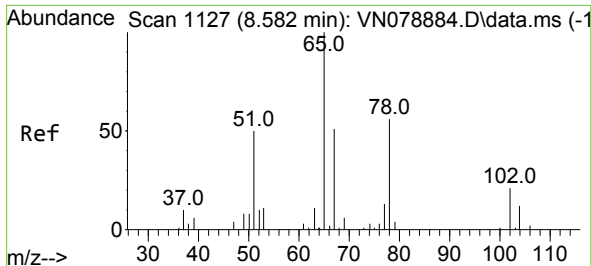
Tgt Ion: 43 Resp: 280
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.394 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13

Tgt Ion: 56 Resp: 3840
Ion Ratio Lower Upper
56 100
69 139.3 26.8 40.2#
84 93.5 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 68.890 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079294.D

Acq: 18 Sep 2023 19:13

Instrument :

MSVOA_N

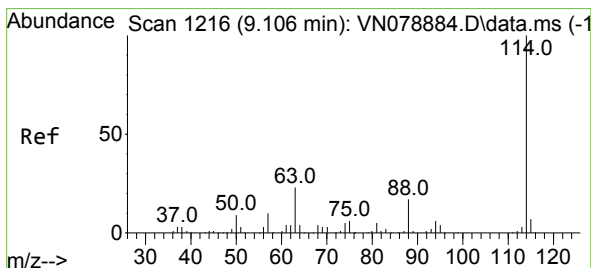
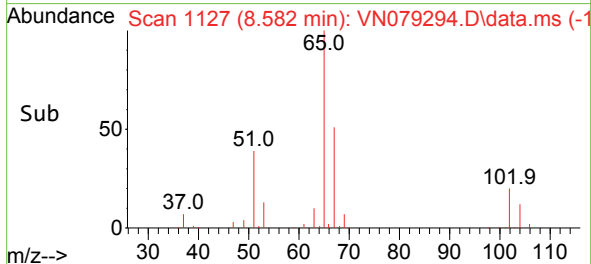
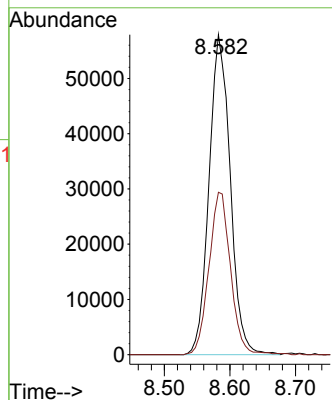
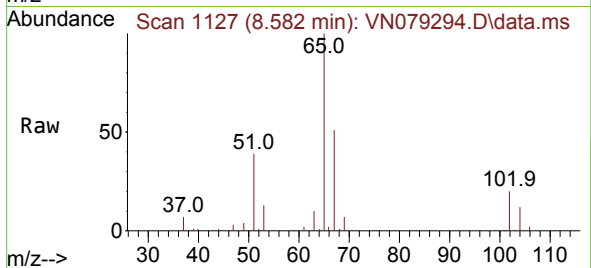
ClientSampleId :

Tgt Ion: 65 Resp: 129927

Ion Ratio Lower Upper

65 100

67 51.6 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: VN079294.D

Acq: 18 Sep 2023 19:13

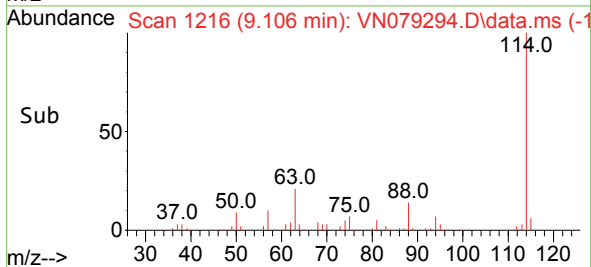
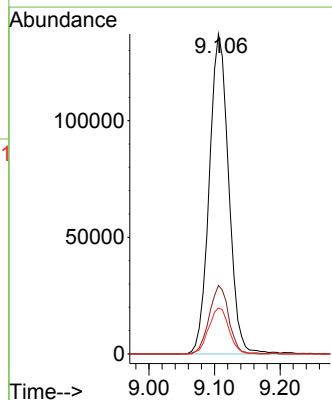
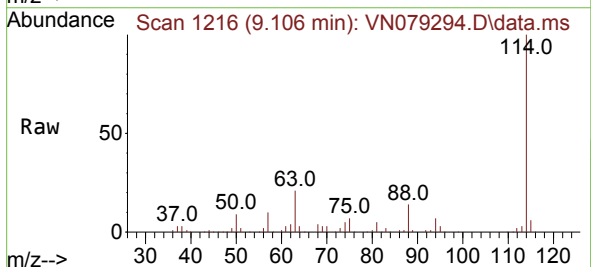
Tgt Ion: 114 Resp: 281727

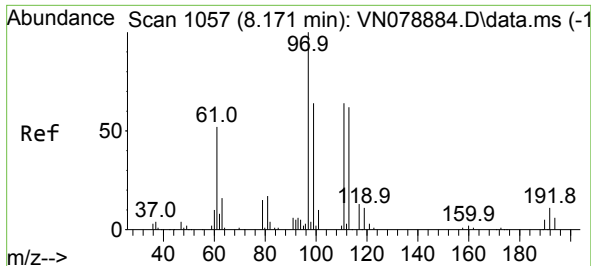
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

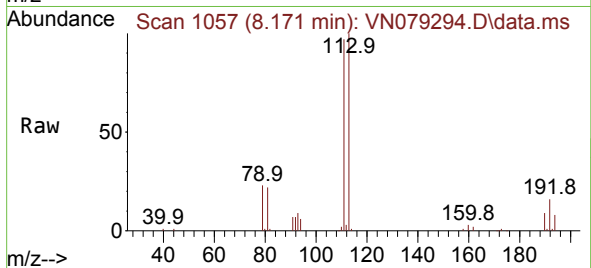
88 14.4 0.0 30.6



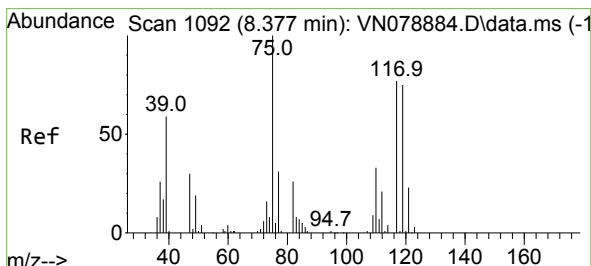
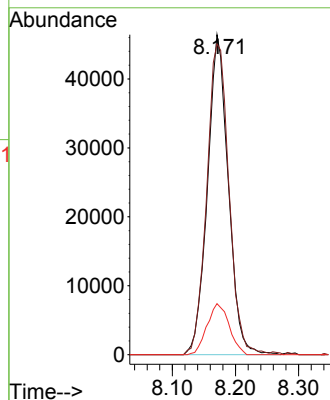
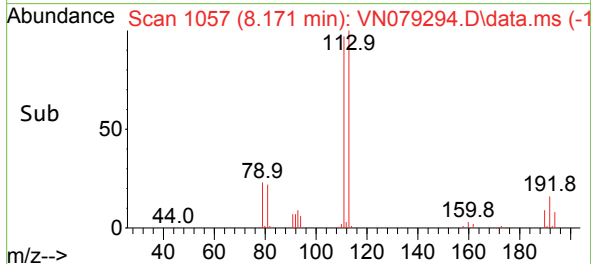


#35
Dibromofluoromethane
Concen: 56.876 ug/l
RT: 8.171 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13

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ClientSampleId :

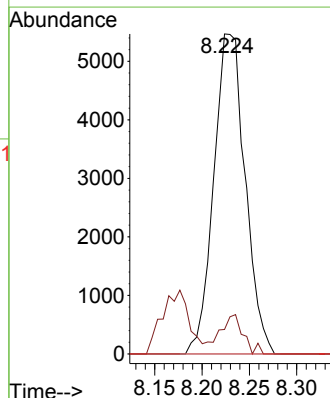
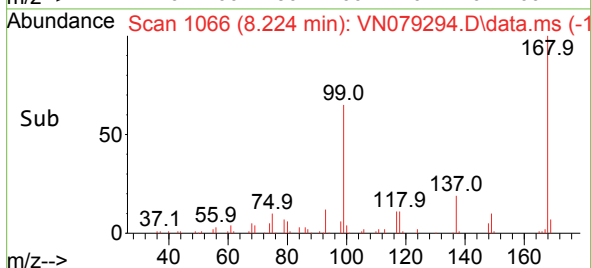
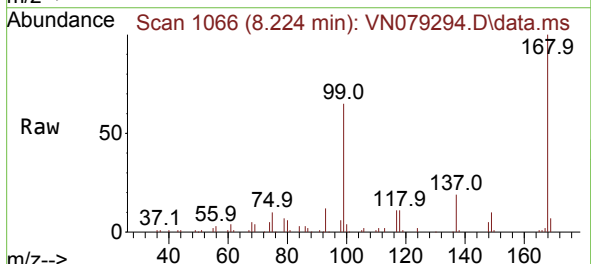


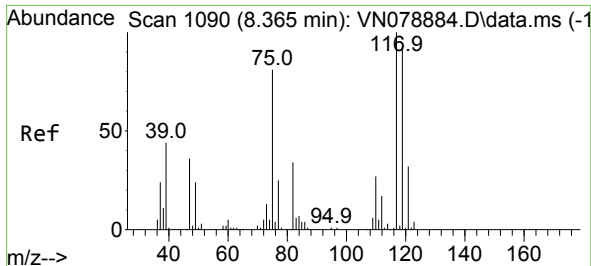
Tgt Ion:113 Resp: 106585
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 16.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.367 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13

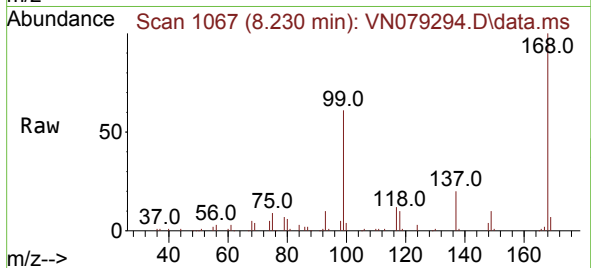
Tgt Ion: 75 Resp: 12614
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#



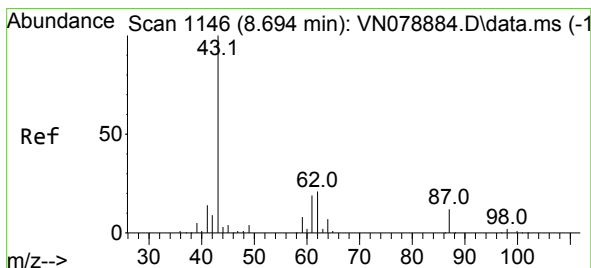
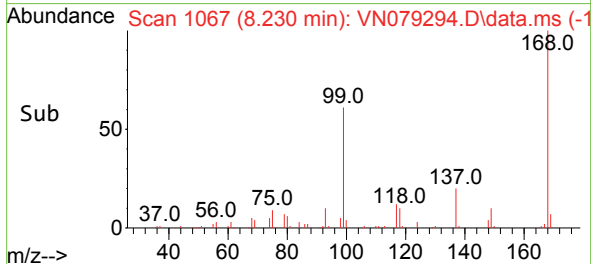
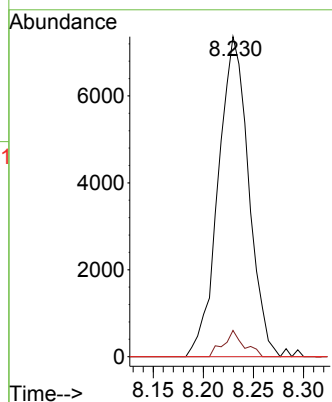


#38
Carbon Tetrachloride
Concen: 5.198 ug/l
RT: 8.230 min Scan# 1156
Delta R.T. -0.141 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13

Instrument :
MSVOA_N
ClientSampleId :

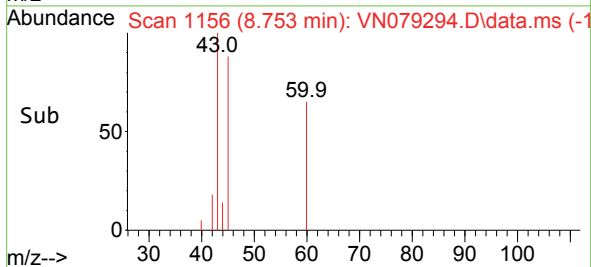
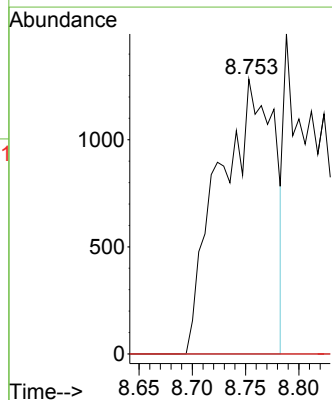
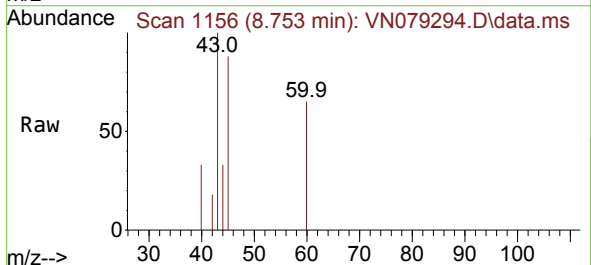


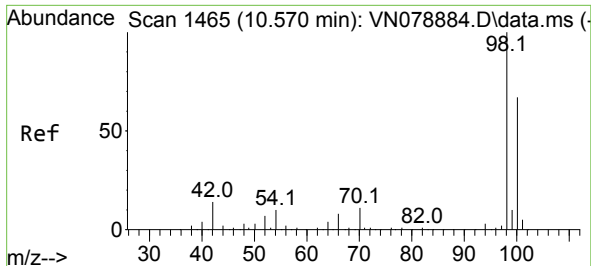
Tgt Ion:117 Resp: 15537
Ion Ratio Lower Upper
117 100
119 8.2 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.979 ug/l
RT: 8.753 min Scan# 1156
Delta R.T. 0.059 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13

Tgt Ion: 43 Resp: 4601
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

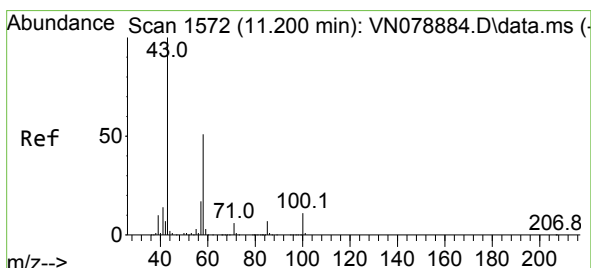
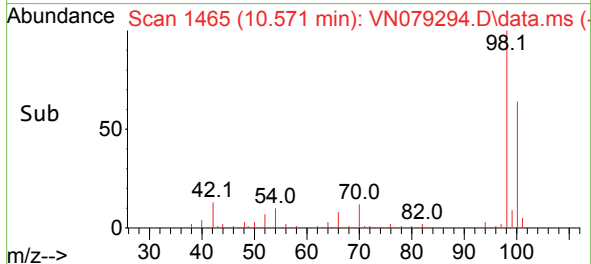
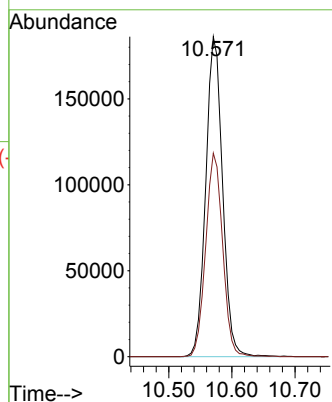
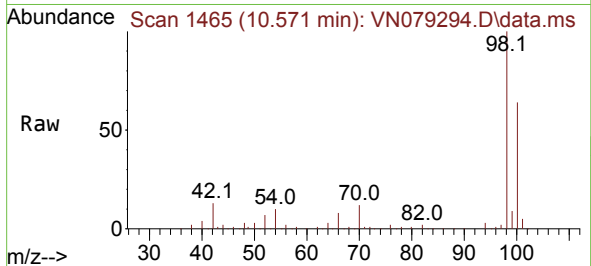




#50
Toluene-d8
Concen: 50.013 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13

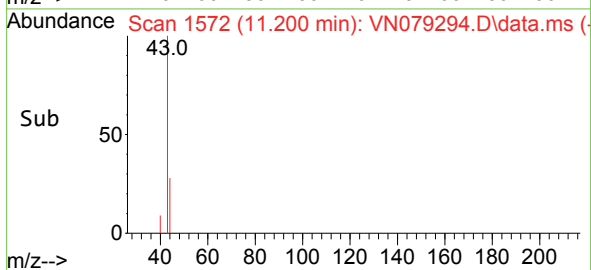
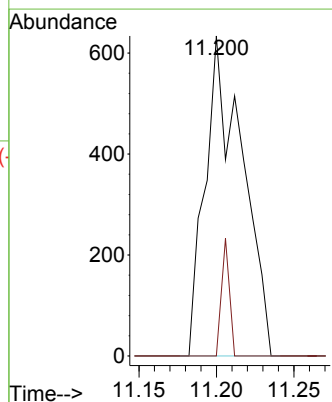
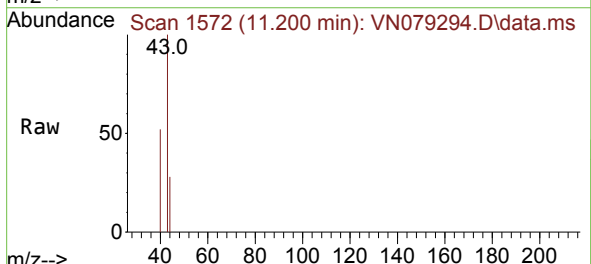
Instrument :
MSVOA_N
ClientSampleId :

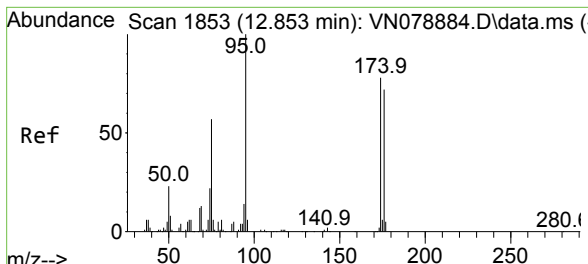
Tgt Ion: 98 Resp: 344140
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#59
2-Hexanone
Concen: 0.532 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13

Tgt Ion: 43 Resp: 1051
Ion Ratio Lower Upper
43 100
58 7.8 31.7 95.1#

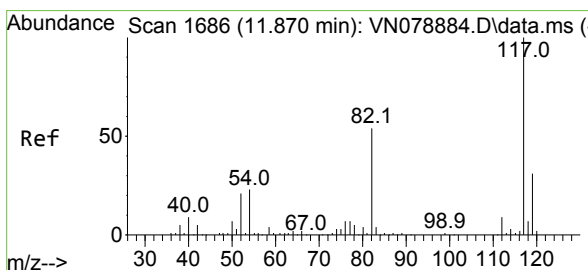
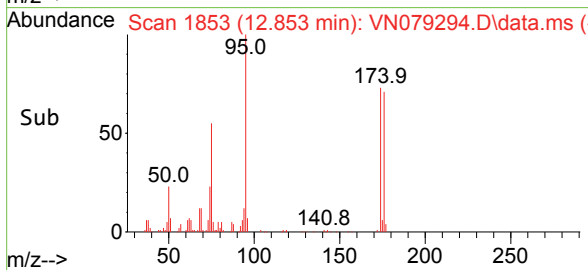
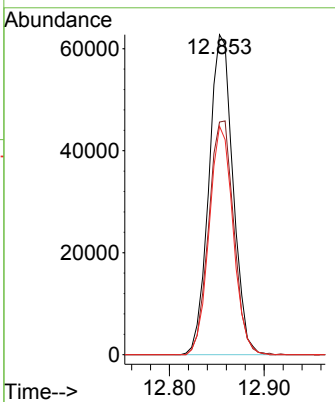
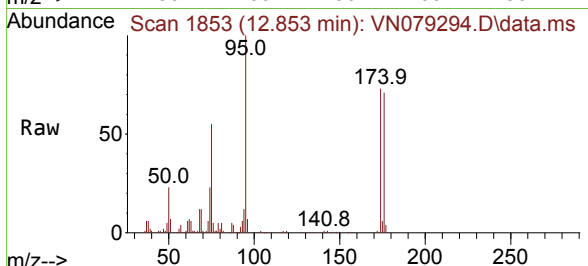




#62
 4-Bromofluorobenzene
 Concen: 50.473 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN079294.D
 Acq: 18 Sep 2023 19:13

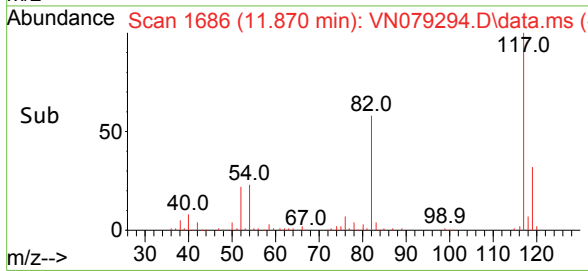
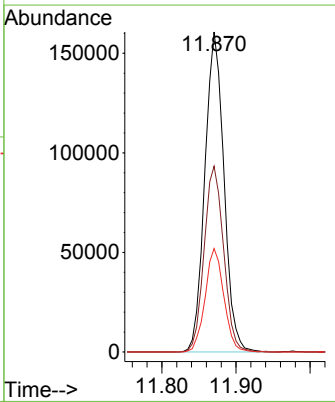
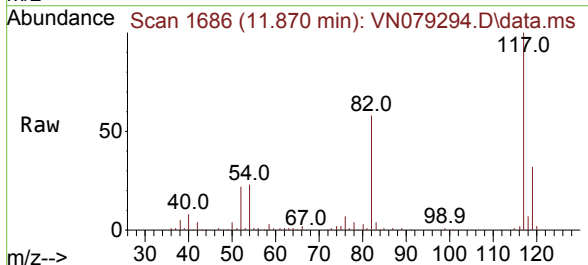
Instrument :
 MSVOA_N
 ClientSampleId :

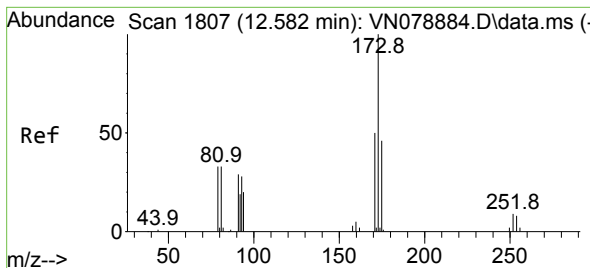
Tgt Ion:	95	Resp:	110784
Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	143.8
176	71.1	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN079294.D
 Acq: 18 Sep 2023 19:13

Tgt Ion:	117	Resp:	287948
Ion	Ratio	Lower	Upper
117	100		
82	58.1	44.0	66.0
119	32.3	25.6	38.4





#71

Bromoform

Concen: 0.218 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN079294.D

Acq: 18 Sep 2023 19:13

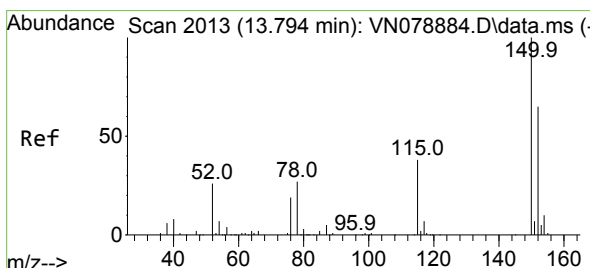
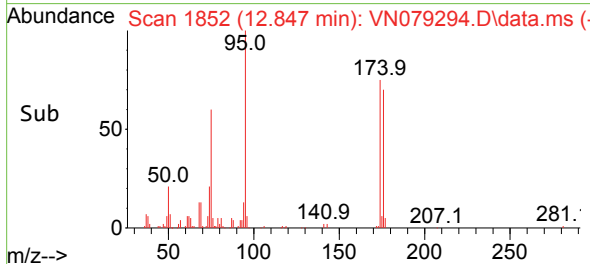
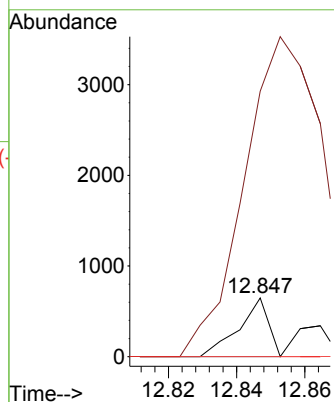
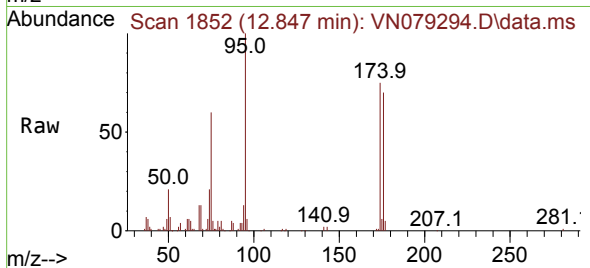
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 394

Ion	Ratio	Lower	Upper
173	100		
175	1102.0	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

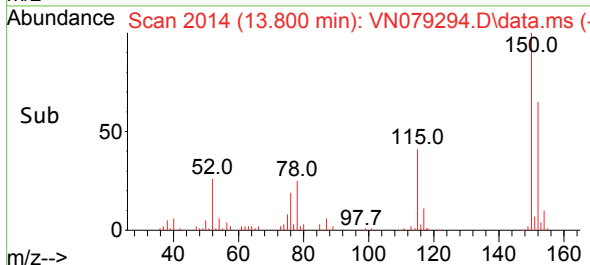
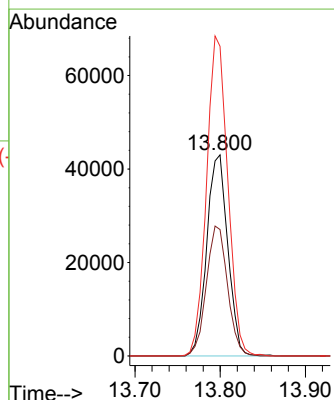
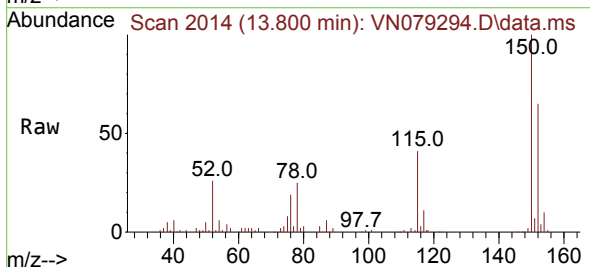
Delta R.T. 0.006 min

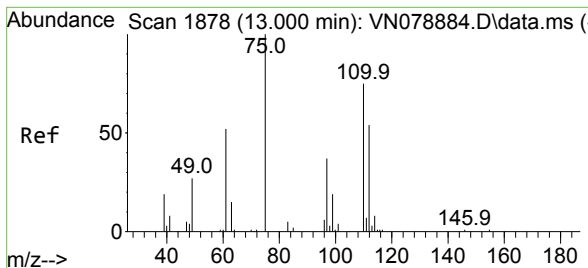
Lab File: VN079294.D

Acq: 18 Sep 2023 19:13

Tgt Ion:152 Resp: 73995

Ion	Ratio	Lower	Upper
152	100		
115	64.9	32.3	96.8
150	159.8	0.0	355.8





#76

1,2,3-Trichloropropane

Concen: 31.386 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079294.D

Acq: 18 Sep 2023 19:13

Instrument :

MSVOA_N

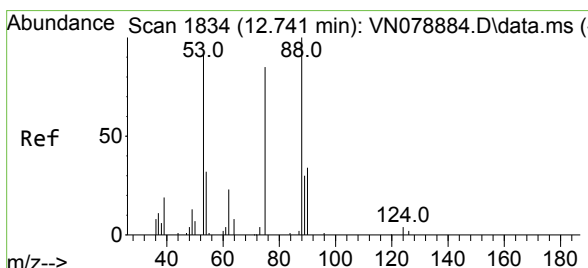
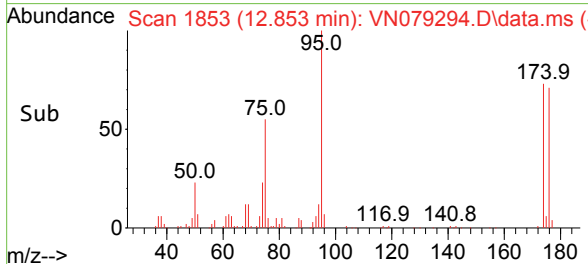
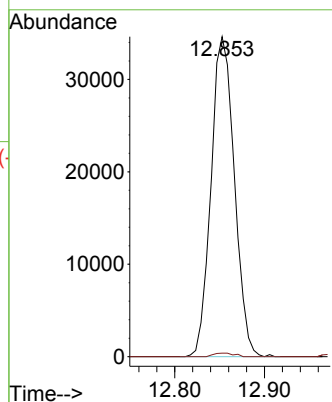
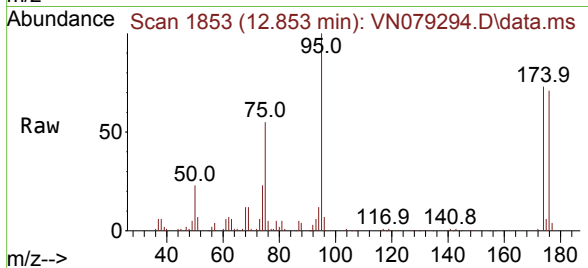
ClientSampleId :

Tgt Ion: 75 Resp: 62592

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.287 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079294.D

Acq: 18 Sep 2023 19:13

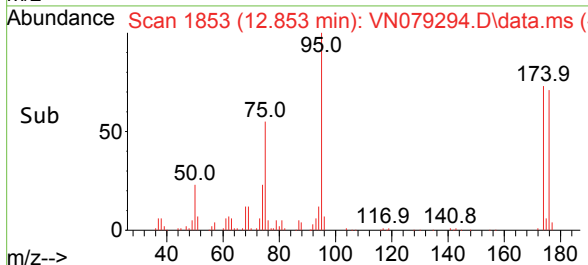
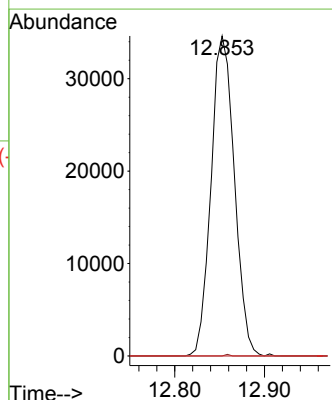
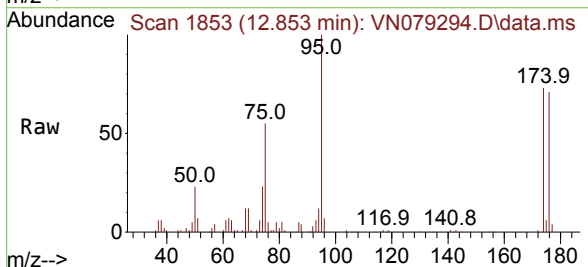
Tgt Ion: 75 Resp: 62592

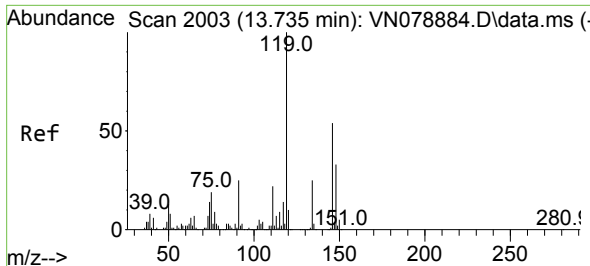
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

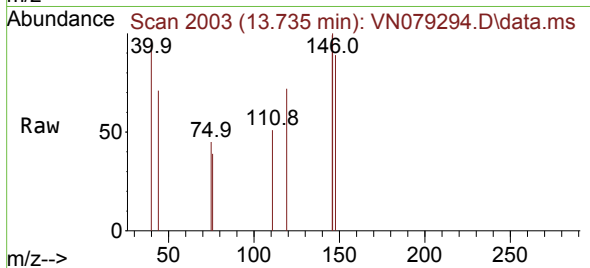
89 0.0 38.8 58.2#



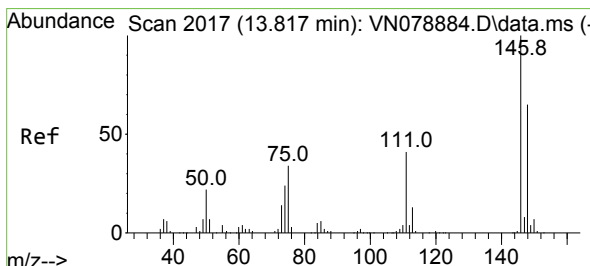
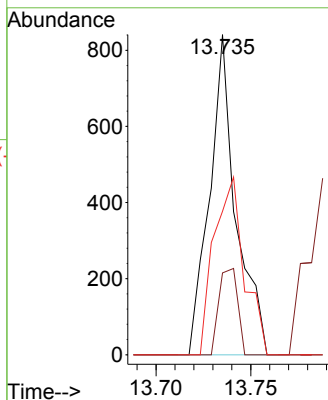
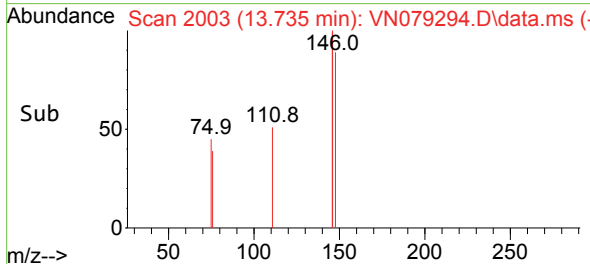


#87
1,3-Dichlorobenzene
Concen: 0.292 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.006 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13

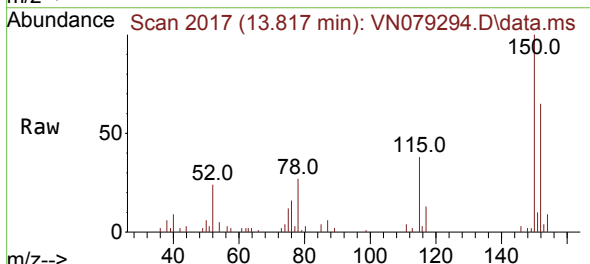
Instrument :
MSVOA_N
ClientSampleId :



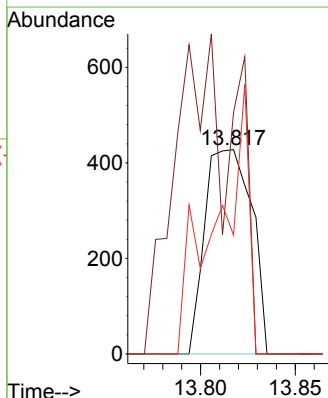
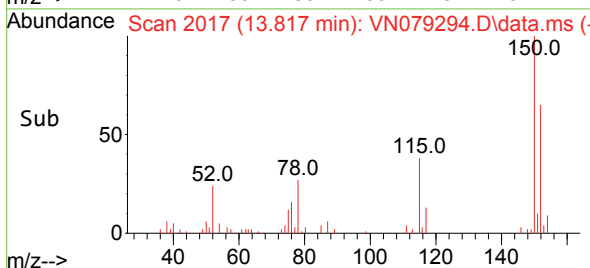
Tgt Ion:146 Resp: 816
Ion Ratio Lower Upper
146 100
111 19.1 22.1 66.3#
148 63.5 32.0 96.0

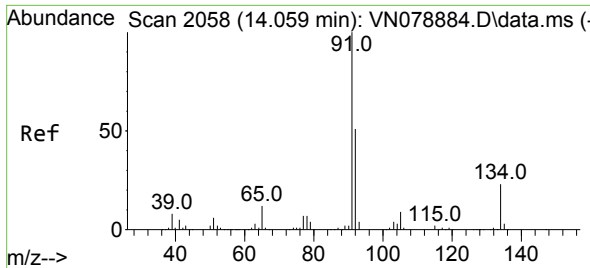


#88
1,4-Dichlorobenzene
Concen: 0.260 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.001 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13



Tgt Ion:146 Resp: 734
Ion Ratio Lower Upper
146 100
111 197.5 20.6 61.8#
148 89.6 31.6 94.8

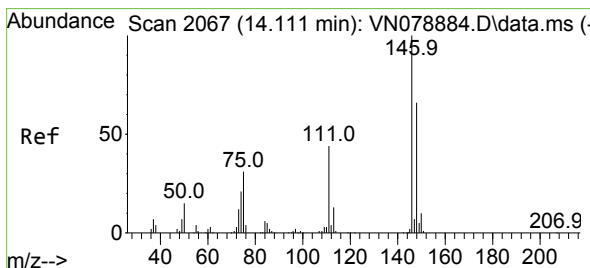
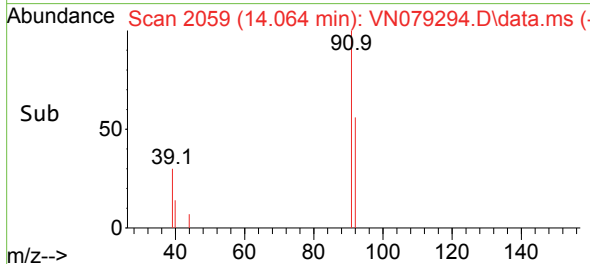
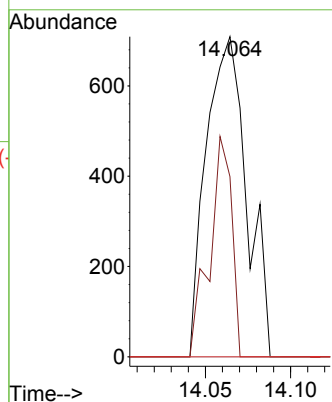
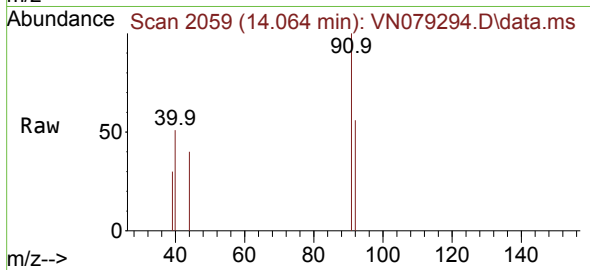




#89
n-Butylbenzene
Concen: 0.292 ug/l
RT: 14.064 min Scan# 2059
Delta R.T. 0.005 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13

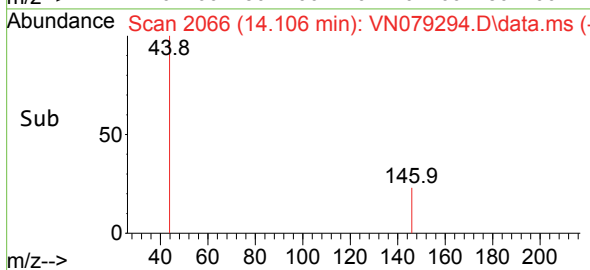
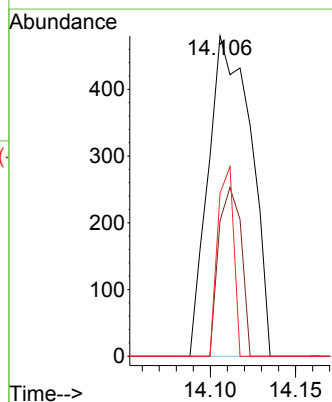
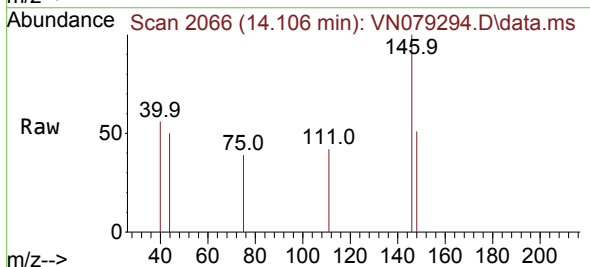
Instrument :
MSVOA_N
ClientSampleId :

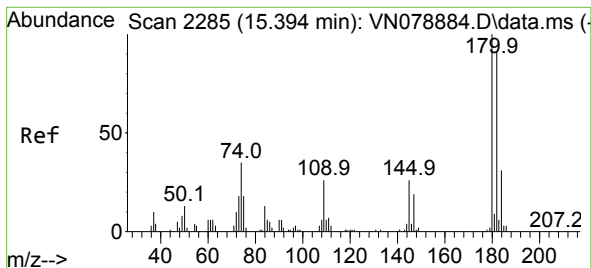
Tgt Ion: 91 Resp: 1172
Ion Ratio Lower Upper
91 100
92 37.6 26.4 79.0
134 0.0 12.6 37.6#



#91
1,2-Dichlorobenzene
Concen: 0.301 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN079294.D
Acq: 18 Sep 2023 19:13

Tgt Ion: 146 Resp: 831
Ion Ratio Lower Upper
146 100
111 28.0 22.0 66.0
148 22.4 31.8 95.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.802 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.006 min

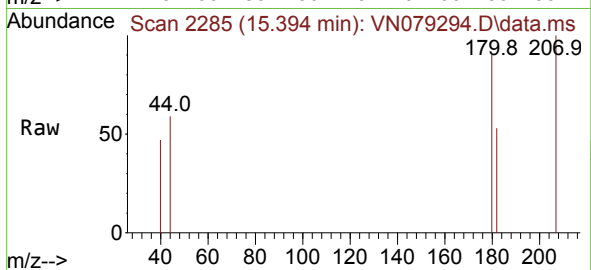
Lab File: VN079294.D

Acq: 18 Sep 2023 19:13

Instrument :

MSVOA_N

ClientSampleId :



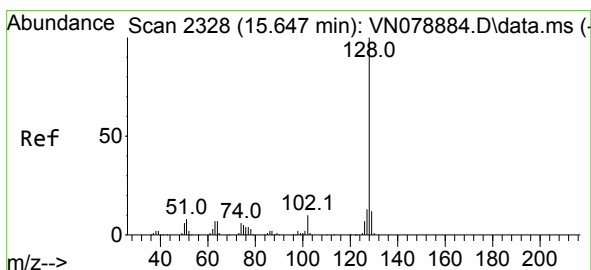
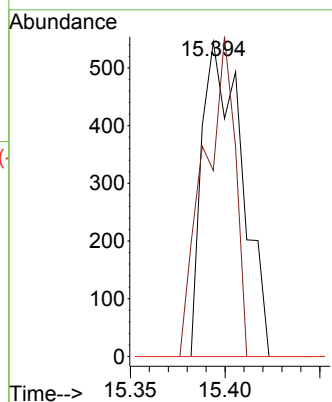
Tgt Ion:180 Resp: 795

Ion Ratio Lower Upper

180 100

182 79.9 46.1 138.2

145 0.0 16.6 49.8#



#95

Naphthalene

Concen: 1.074 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.006 min

Lab File: VN079294.D

Acq: 18 Sep 2023 19:13

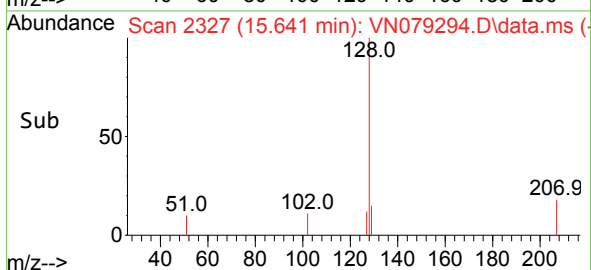
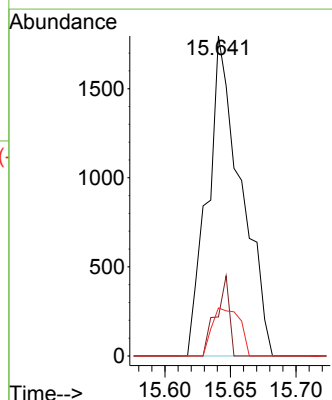
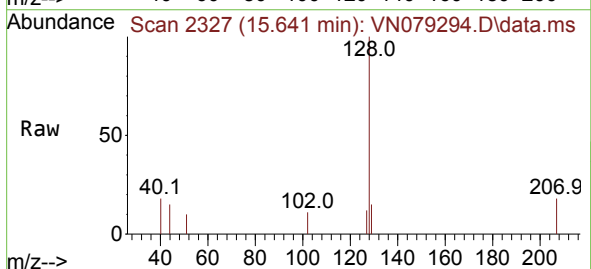
Tgt Ion:128 Resp: 3165

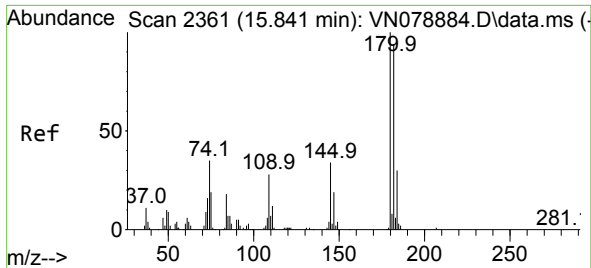
Ion Ratio Lower Upper

128 100

127 9.9 10.0 15.0#

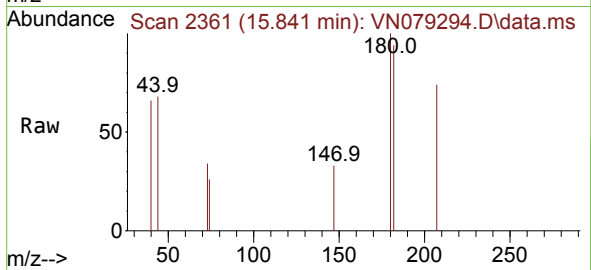
129 12.5 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.801 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN079294.D
 Acq: 18 Sep 2023 19:13

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	115.4	46.2	138.6
145	8.8	17.5	52.6

