

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
 Data File : VN078982.D
 Acq On : 22 Aug 2023 10:22
 Operator : JC\MD
 Sample : VN0822WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 23 02:57:18 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)

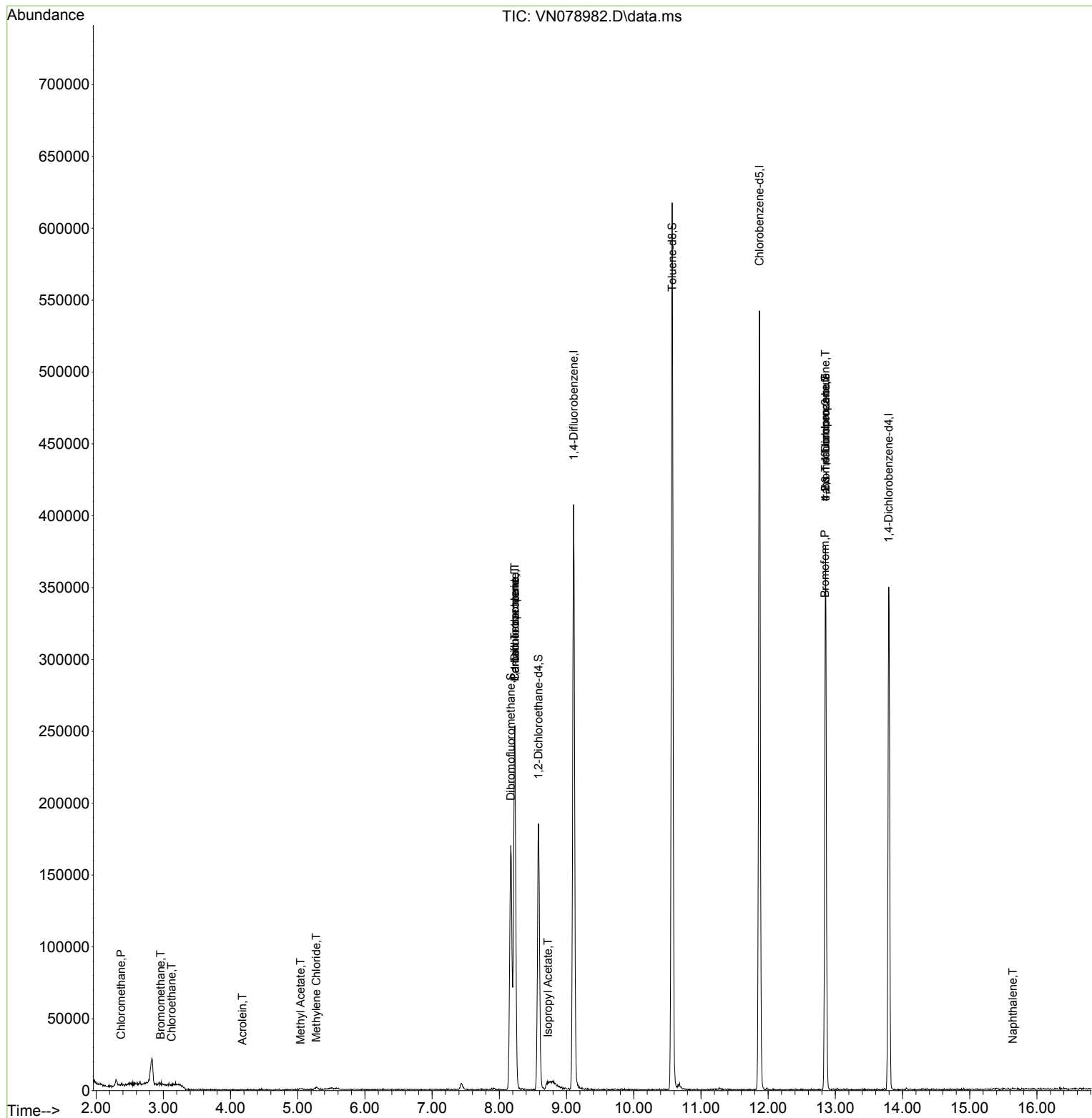
Internal Standards						
1) Pentafluorobenzene	8.230	168	178718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	333633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	300780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	89415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	145083	52.169	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.340%	
35) Dibromofluoromethane	8.171	113	120261	53.548	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.100%	
50) Toluene-d8	10.571	98	405328	48.606	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.220%	
62) 4-Bromofluorobenzene	12.853	95	121491	44.573	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	807	0.233	ug/l #	42
5) Bromomethane	2.959	94	358	0.205	ug/l #	42
6) Chloroethane	3.124	64	482	0.227	ug/l #	43
13) Acrolein	4.177	56	54	7.025	ug/l #	16
18) Methyl Acetate	5.042	43	1487	0.307	ug/l #	51
20) Methylene Chloride	5.277	84	933	0.382	ug/l #	83
31) Cyclohexane	8.236	56	5427	Below Cal	#	54
36) 1,1-Dichloropropene	8.230	75	16142	4.778	ug/l #	49
38) Carbon Tetrachloride	8.230	117	18931	5.593	ug/l #	15
43) Isopropyl Acetate	8.724	43	4398	0.658	ug/l #	49
71) Bromoform	12.847	173	1859	1.057	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	65899	30.587	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	65899	78.137	ug/l #	15
94) Hexachlorobutadiene	15.506	225	57	Below Cal	#	17
95) Naphthalene	15.641	128	1187	2.848	ug/l #	77

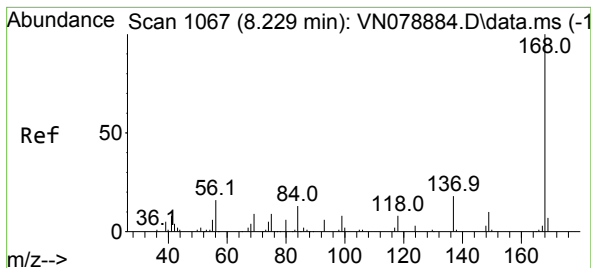
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078982.D

Acq: 22 Aug 2023 10:22

Instrument :

MSVOA_N

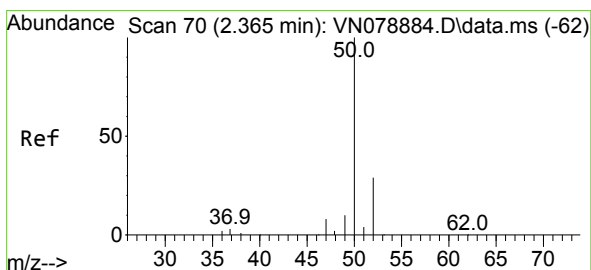
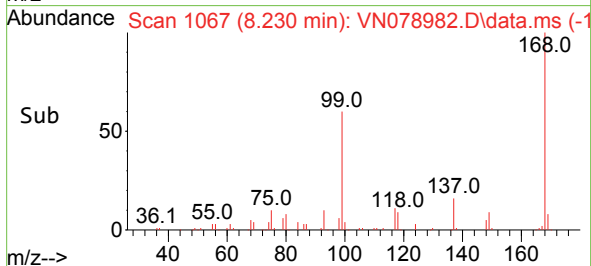
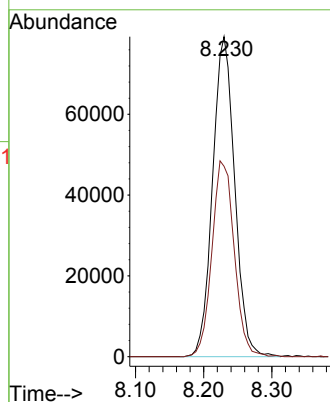
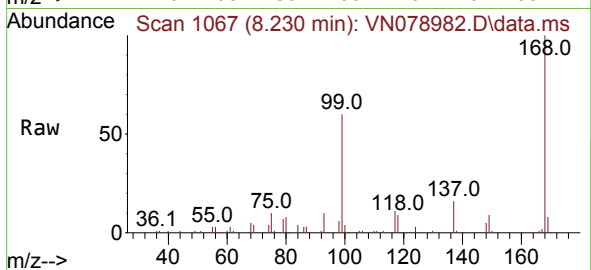
ClientSampleId :

Tgt Ion:168 Resp: 178718

Ion Ratio Lower Upper

168 100

99 59.5 53.0 79.6



#3

Chloromethane

Concen: 0.233 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078982.D

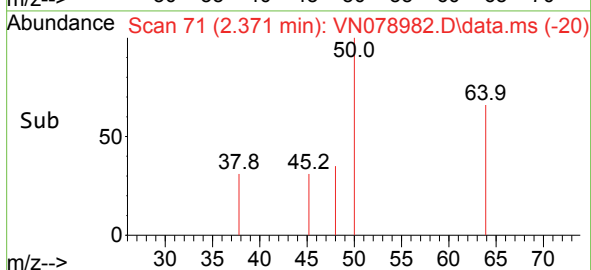
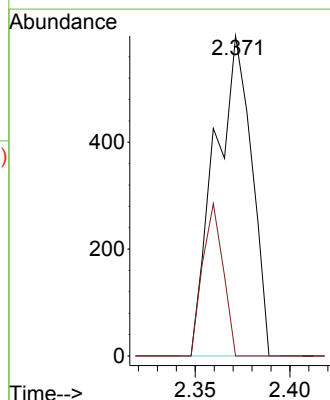
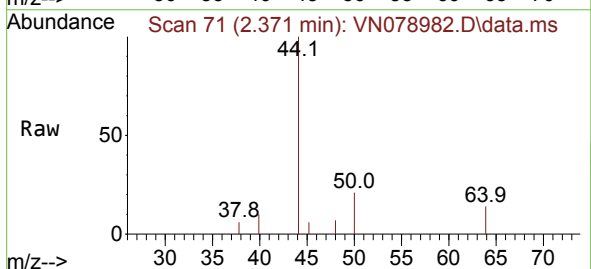
Acq: 22 Aug 2023 10:22

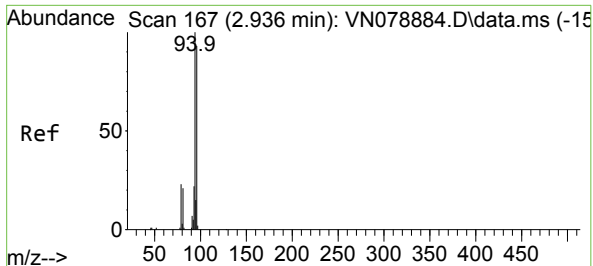
Tgt Ion: 50 Resp: 807

Ion Ratio Lower Upper

50 100

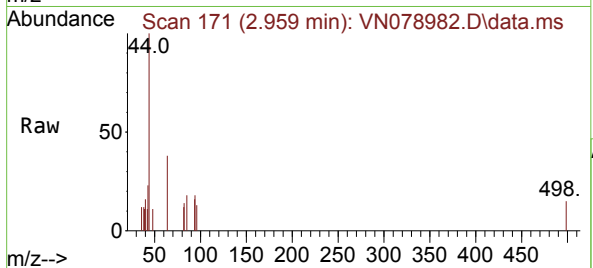
52 0.0 26.5 39.7#



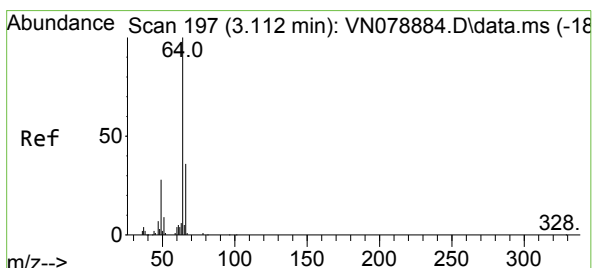
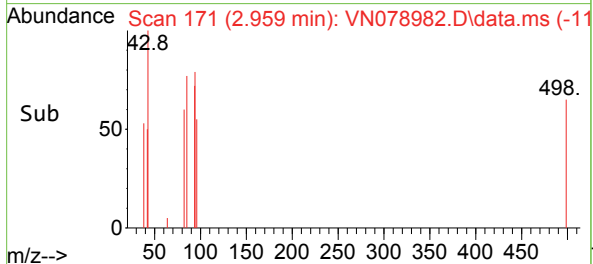
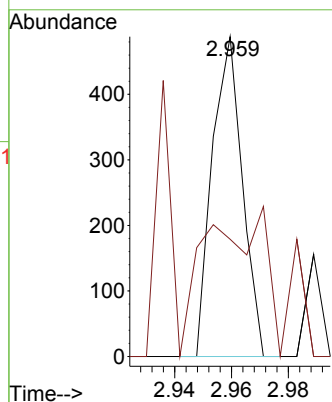


#5
Bromomethane
Concen: 0.205 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

Instrument :
MSVOA_N
ClientSampleId :

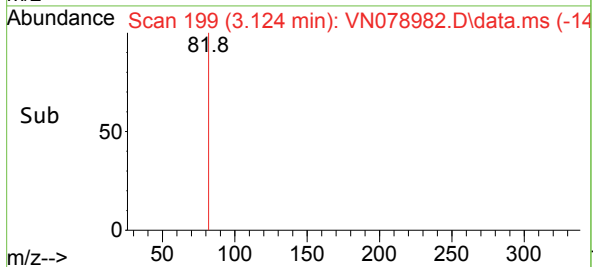
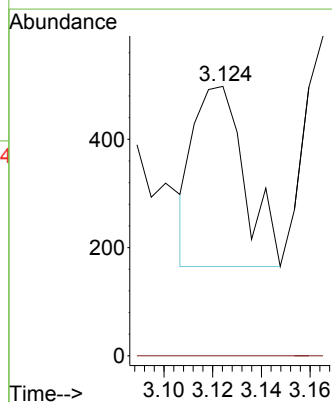
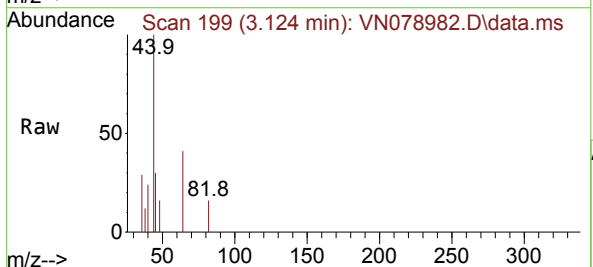


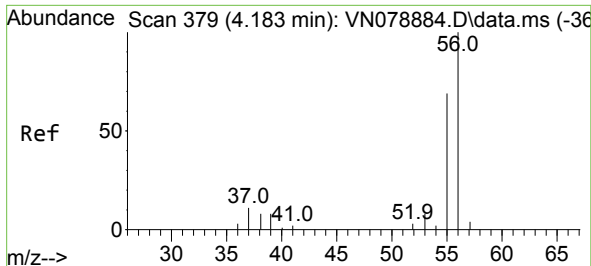
Tgt Ion: 94 Resp: 358
Ion Ratio Lower Upper
94 100
96 36.7 73.1 109.7#



#6
Chloroethane
Concen: 0.227 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

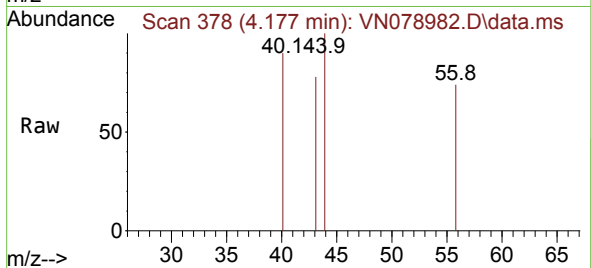
Tgt Ion: 64 Resp: 482
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



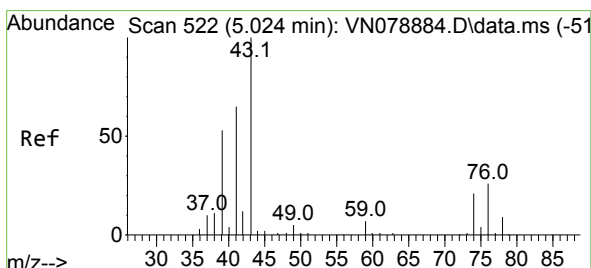
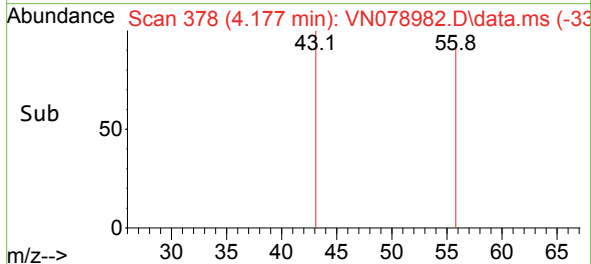
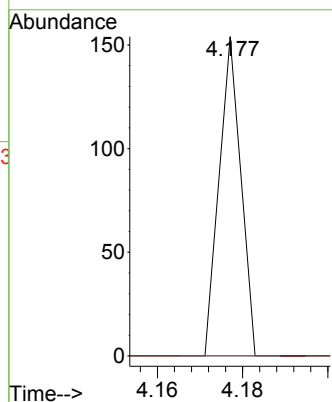


#13
Acrolein
Concen: 7.025 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

Instrument :
MSVOA_N
ClientSampleId :

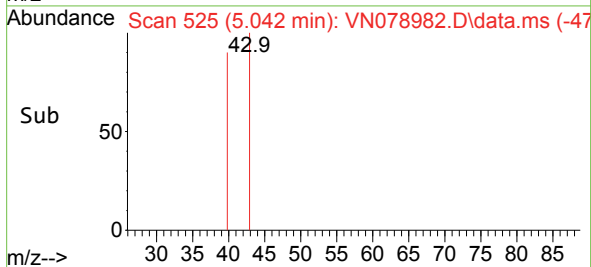
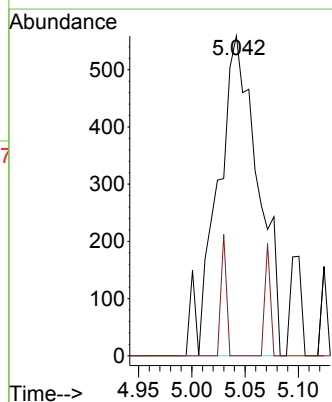
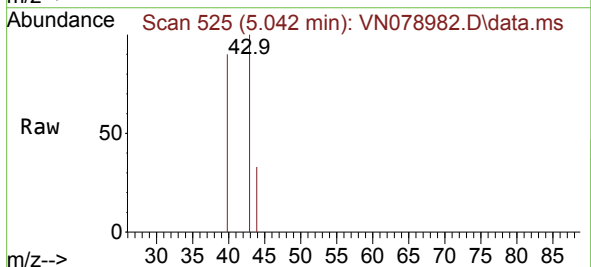


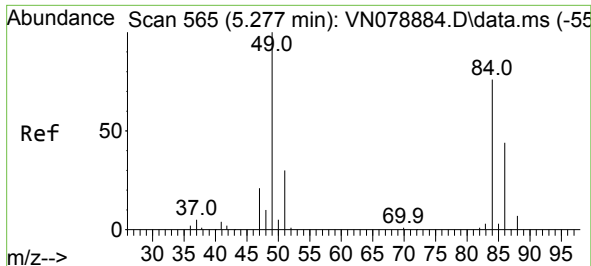
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#18
Methyl Acetate
Concen: 0.307 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

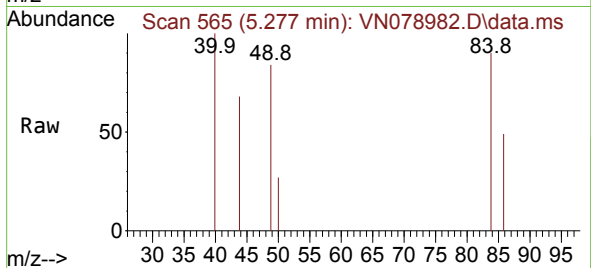
Tgt Ion: 43 Resp: 1487
Ion Ratio Lower Upper
43 100
74 5.0 26.2 39.4#



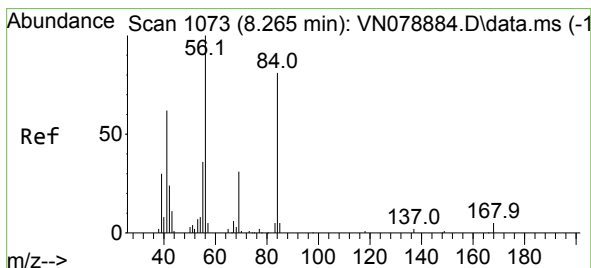
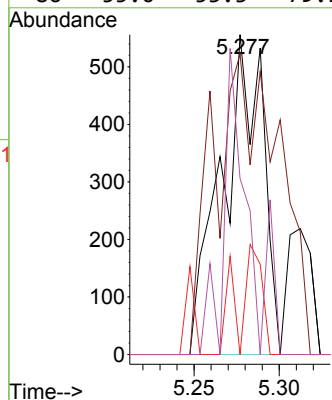


#20
Methylene Chloride
Concen: 0.382 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

Instrument :
MSVOA_N
ClientSampleId :

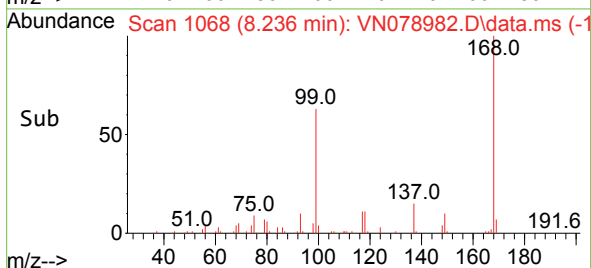
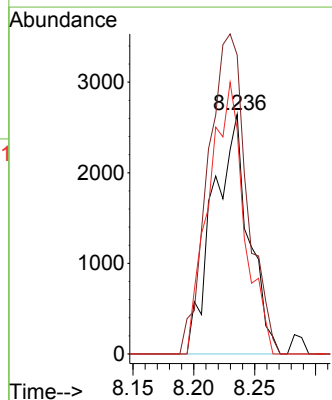
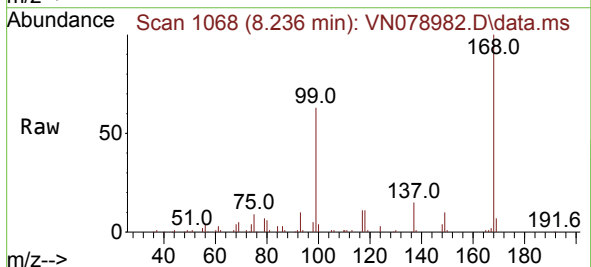


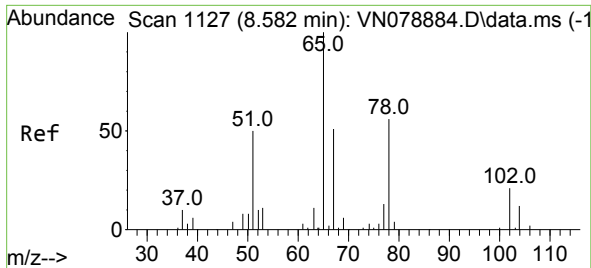
Tgt Ion:	84	Resp:	933
Ion	Ratio	Lower	Upper
84	100		
49	94.1	79.7	119.5
51	0.0	25.2	37.8#
86	55.0	53.3	79.9



#31
Cyclohexane
Concen: Below Cal
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

Tgt Ion:	56	Resp:	5427
Ion	Ratio	Lower	Upper
56	100		
69	124.9	26.8	40.2#
84	93.8	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 52.169 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078982.D

Acq: 22 Aug 2023 10:22

Instrument :

MSVOA_N

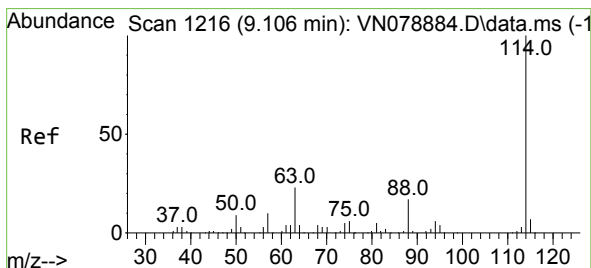
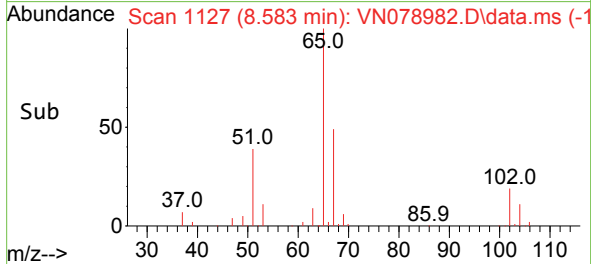
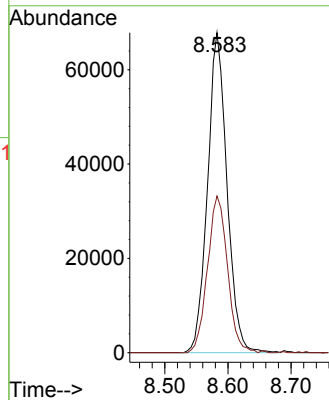
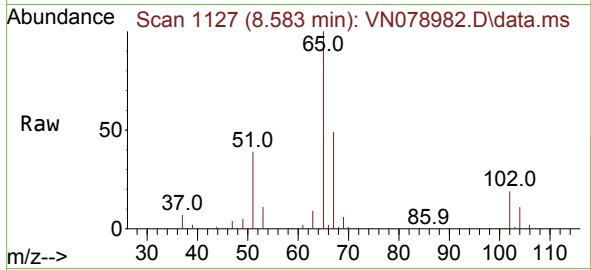
ClientSampleId :

Tgt Ion: 65 Resp: 145083

Ion Ratio Lower Upper

65 100

67 50.3 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: VN078982.D

Acq: 22 Aug 2023 10:22

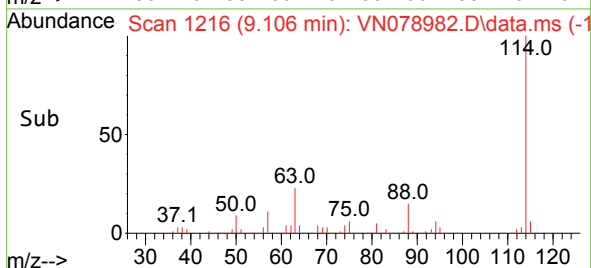
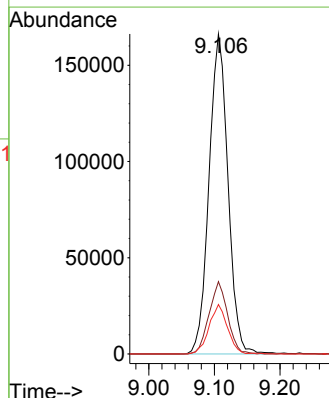
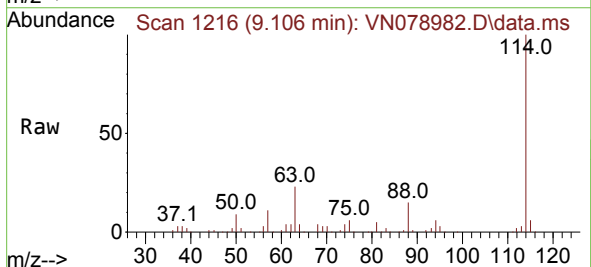
Tgt Ion: 114 Resp: 333633

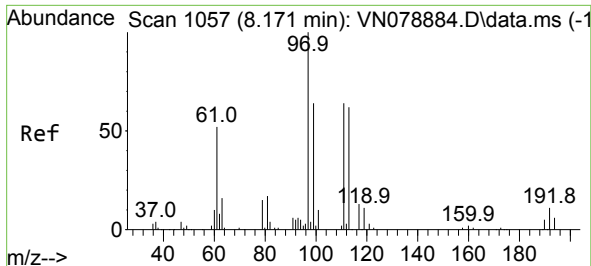
Ion Ratio Lower Upper

114 100

63 22.6 0.0 36.4

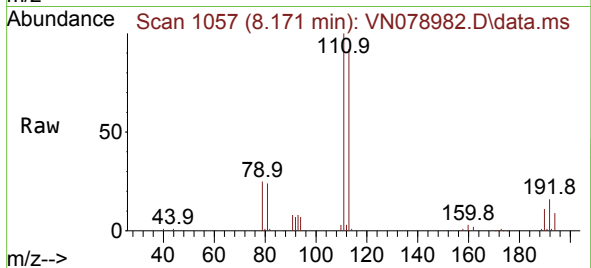
88 15.5 0.0 30.6



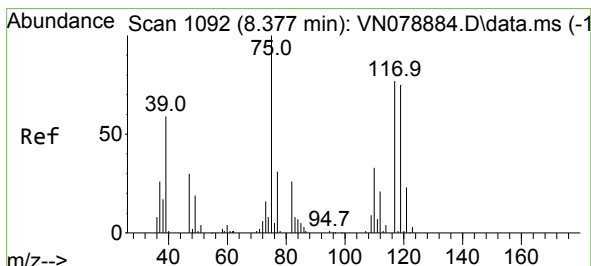
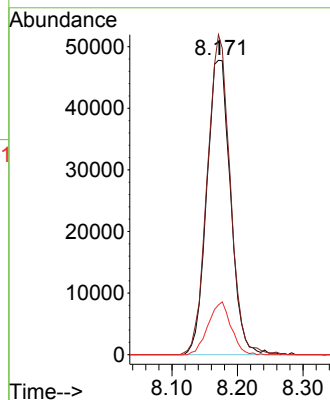
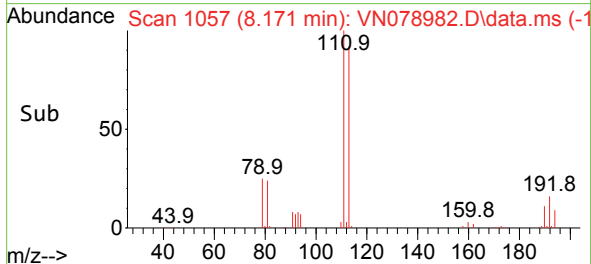


#35
Dibromofluoromethane
Concen: 53.548 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

Instrument :
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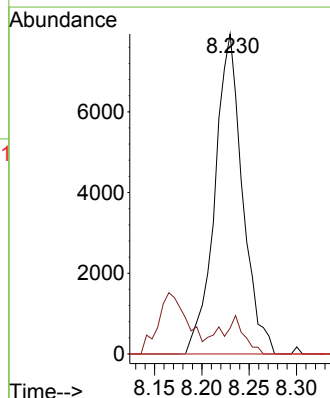
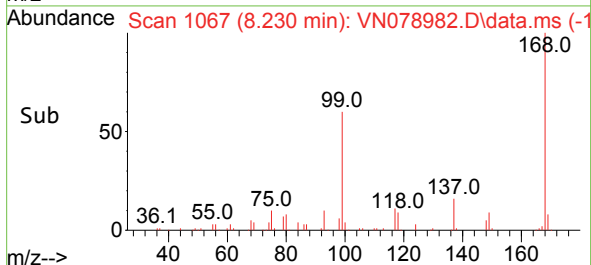
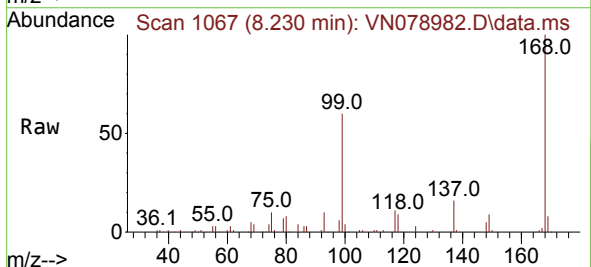


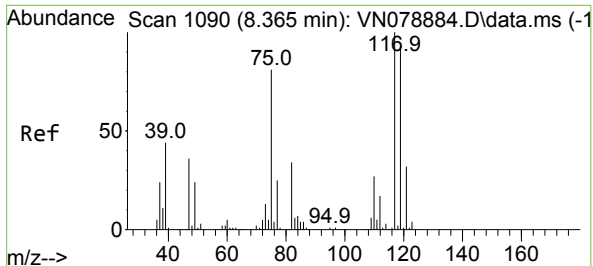
Tgt Ion:113 Resp: 120261
Ion Ratio Lower Upper
113 100
111 105.0 82.6 123.8
192 17.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.778 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

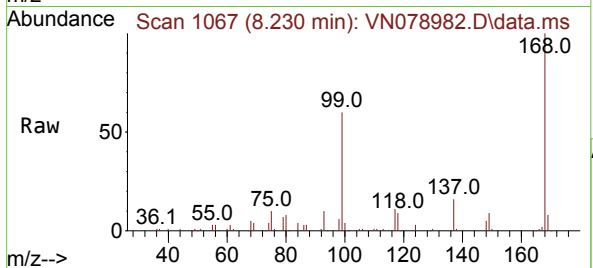
Tgt Ion: 75 Resp: 16142
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#



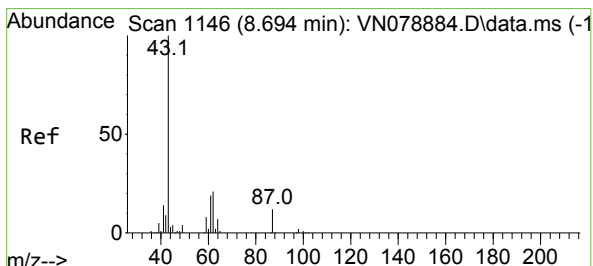
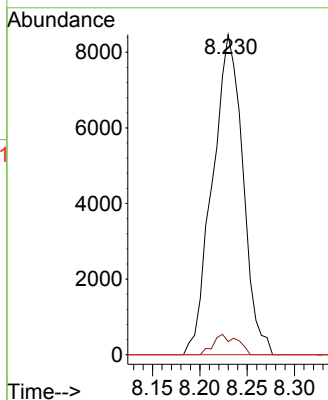
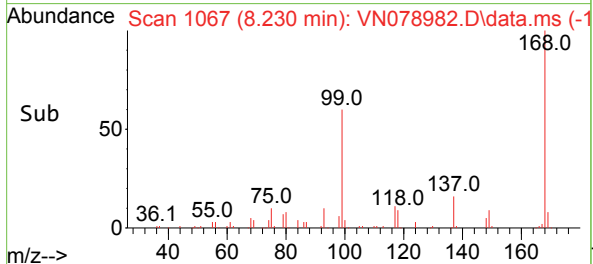


#38
Carbon Tetrachloride
Concen: 5.593 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

Instrument :
MSVOA_N
ClientSampleId :

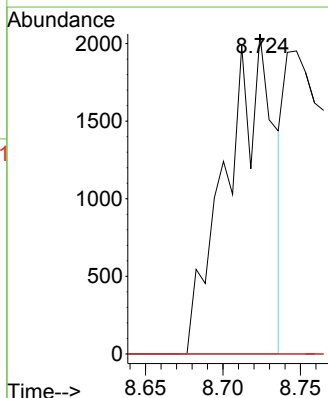
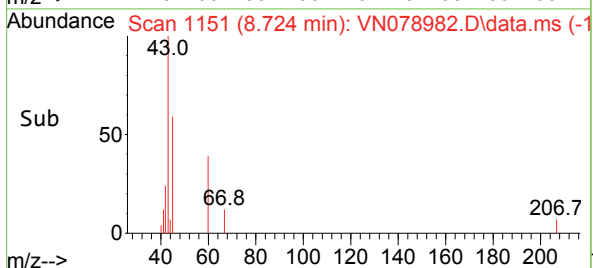
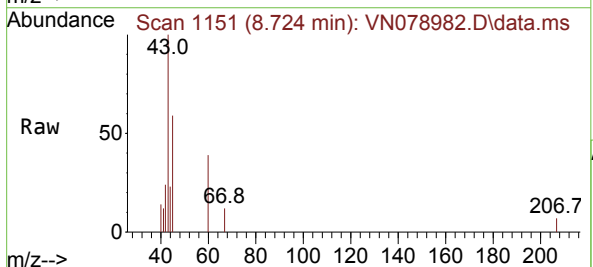


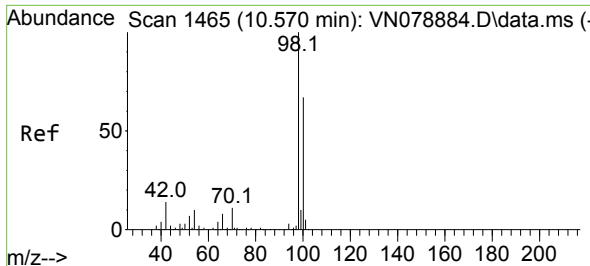
Tgt Ion:117 Resp: 18931
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.658 ug/l
RT: 8.724 min Scan# 1151
Delta R.T. 0.030 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

Tgt Ion: 43 Resp: 4398
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

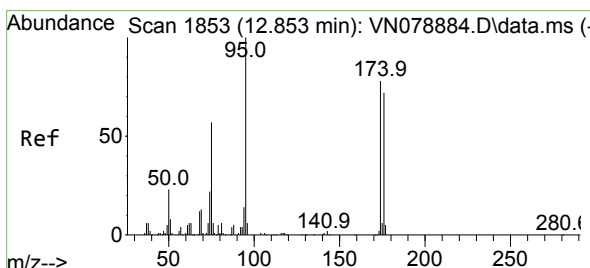
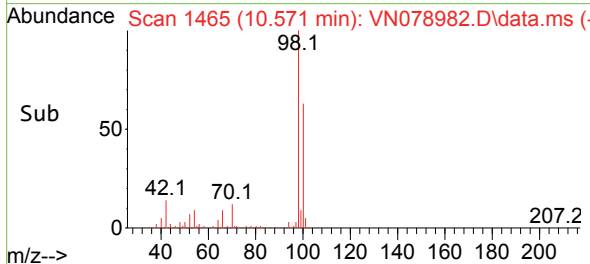
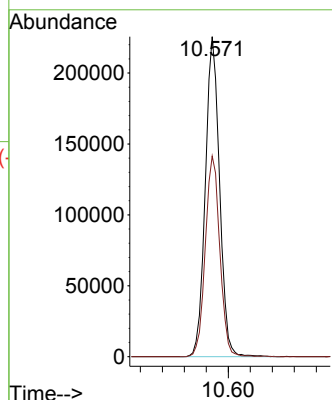
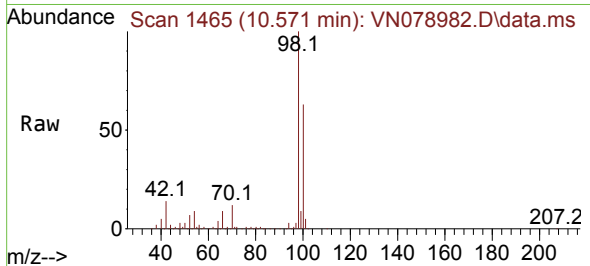




#50
Toluene-d8
Concen: 48.606 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

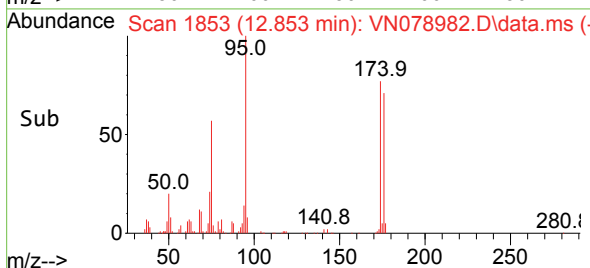
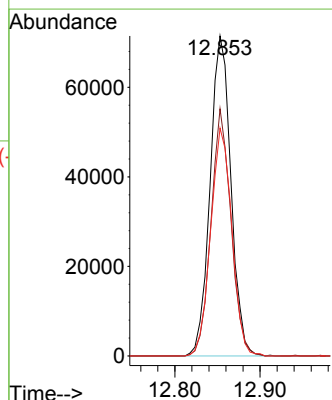
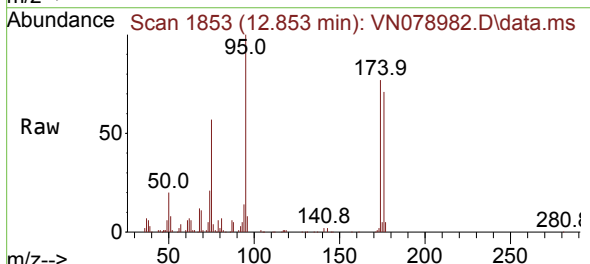
Instrument :
MSVOA_N
ClientSampleId :

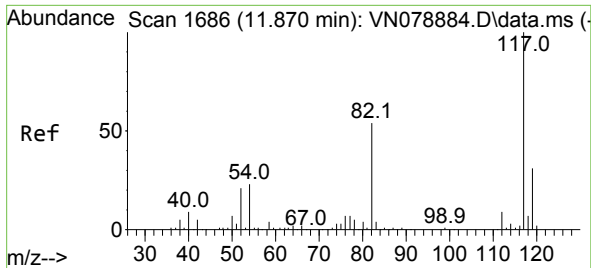
Tgt Ion: 98 Resp: 405328
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 44.573 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

Tgt Ion: 95 Resp: 121491
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.8
176 72.4 0.0 135.8

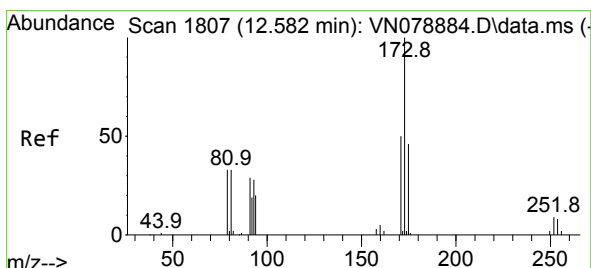
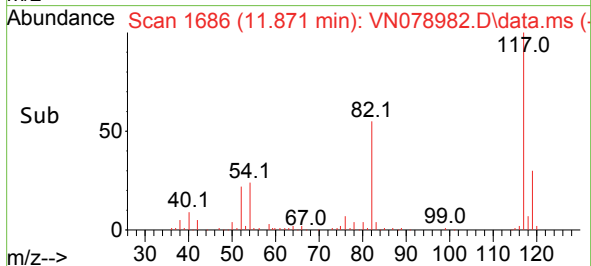
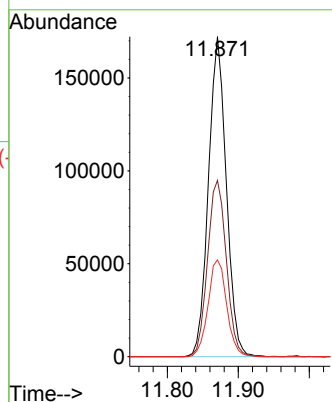
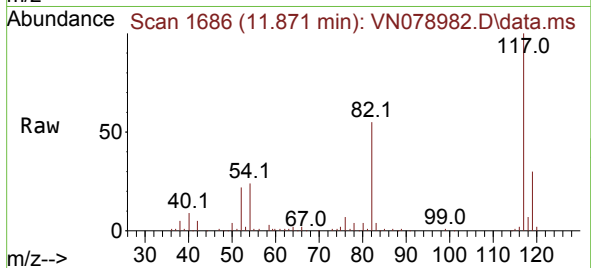




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

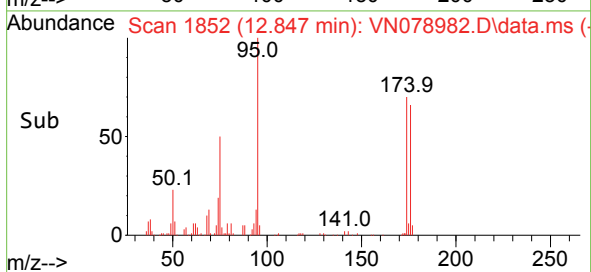
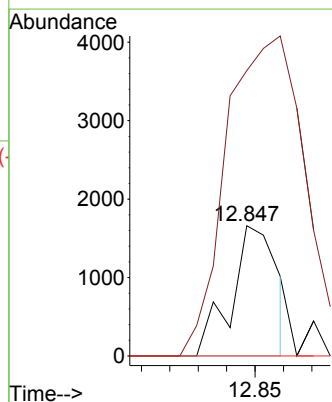
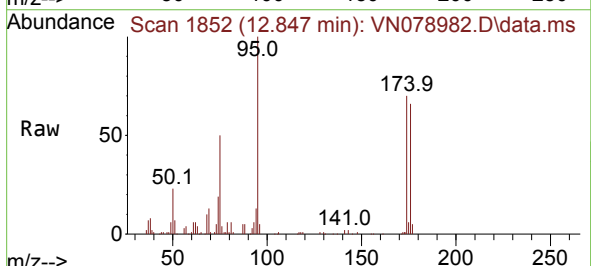
Instrument :
MSVOA_N
ClientSampleId :

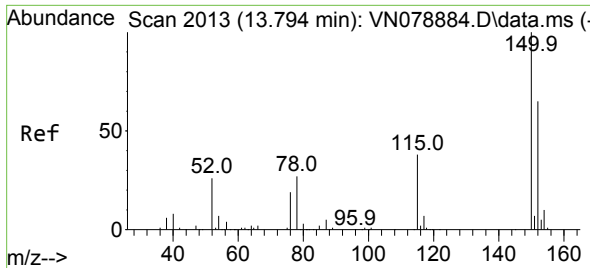
Tgt Ion:117 Resp: 300780
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 30.3 25.6 38.4



#71
Bromoform
Concen: 1.057 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

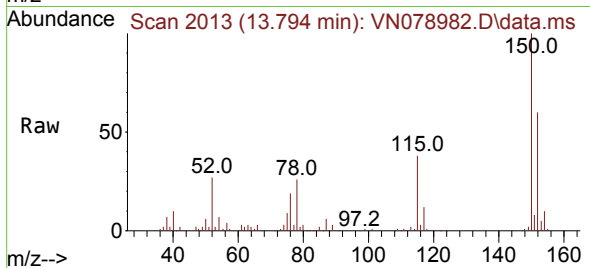
Tgt Ion:173 Resp: 1859
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



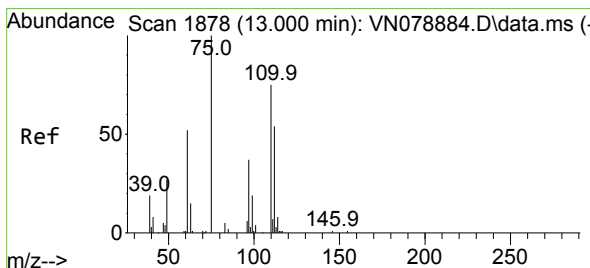
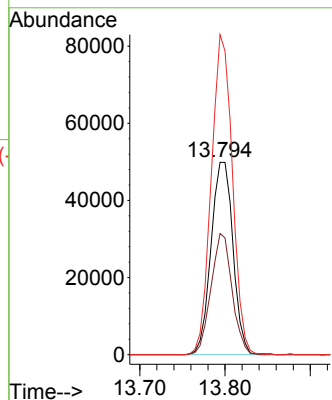
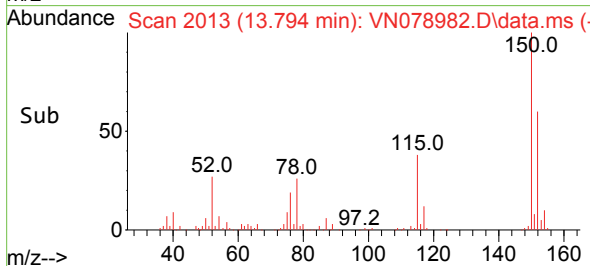


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN078982.D
 Acq: 22 Aug 2023 10:22

Instrument :
 MSVOA_N
 ClientSampleId :

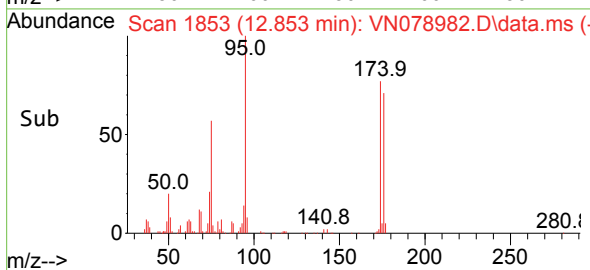
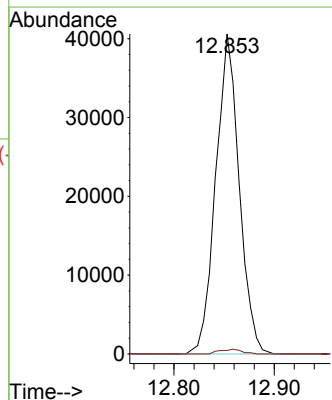
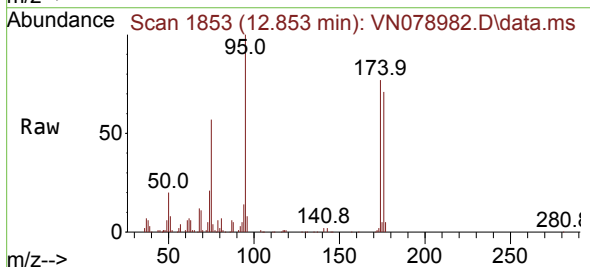


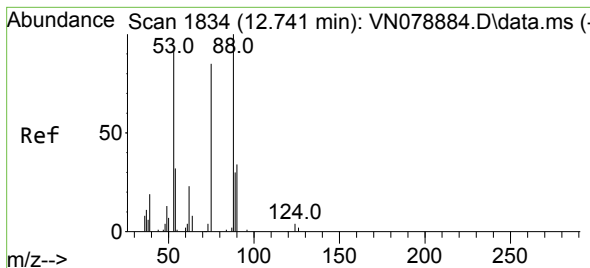
Tgt Ion:152 Resp: 89415
 Ion Ratio Lower Upper
 152 100
 115 60.3 32.3 96.8
 150 159.4 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 30.587 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078982.D
 Acq: 22 Aug 2023 10:22

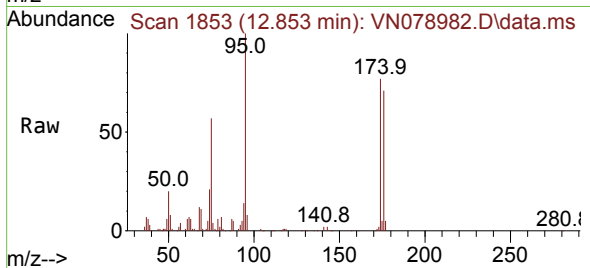
Tgt Ion: 75 Resp: 65899
 Ion Ratio Lower Upper
 75 100
 77 1.4 84.5 253.5#



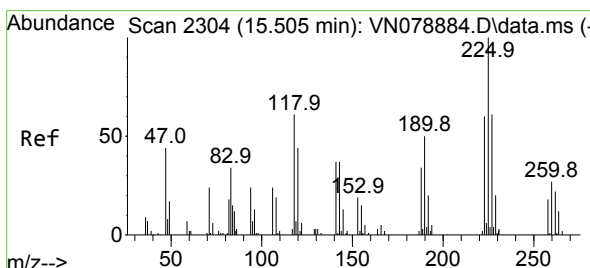
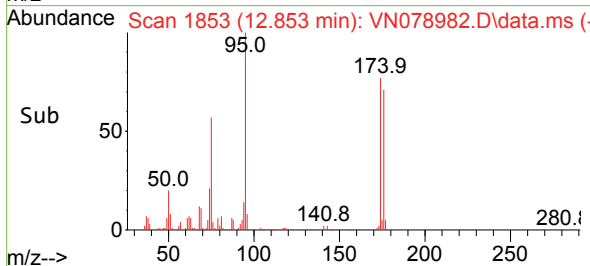
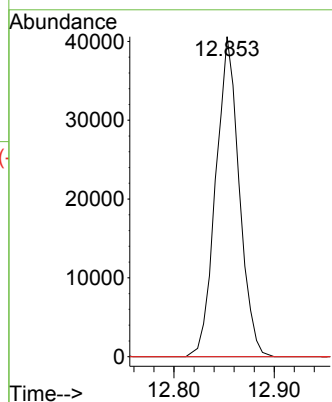


#81
trans-1,4-Dichloro-2-butene
Concen: 78.137 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

Instrument :
MSVOA_N
ClientSampleId :

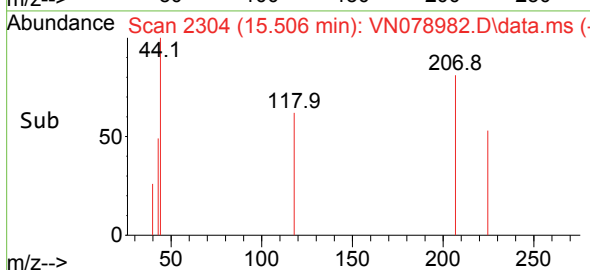
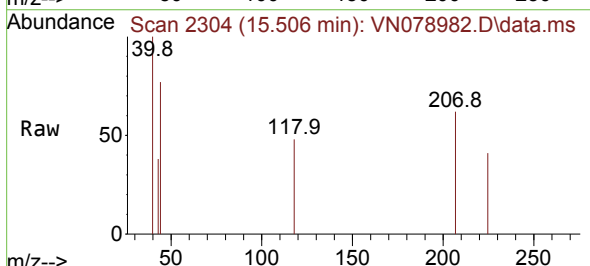
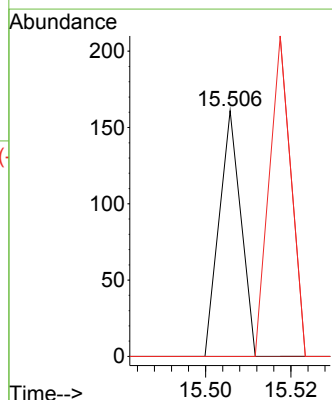


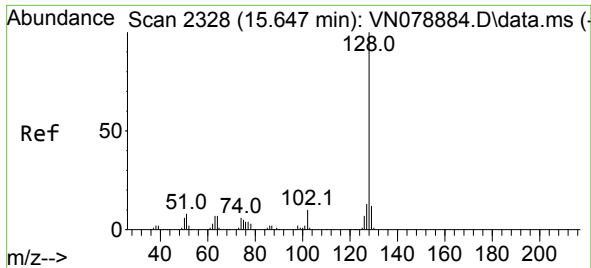
Tgt Ion: 75 Resp: 65899
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

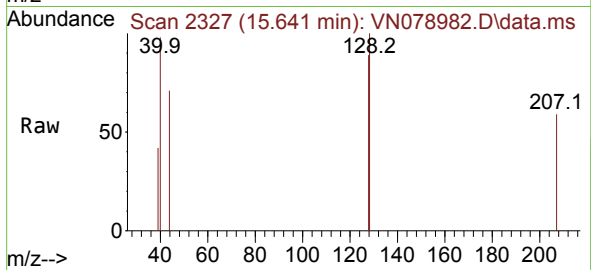
Tgt Ion: 225 Resp: 57
Ion Ratio Lower Upper
225 100
223 0.0 31.3 93.8#
227 129.8 31.9 95.9#





#95
Naphthalene
Concen: 2.848 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078982.D
Acq: 22 Aug 2023 10:22

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1187
Ion Ratio Lower Upper
128 100
127 5.1 10.0 15.0#
129 0.0 8.7 13.1#

