

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062623\
 Data File : VN078399.D
 Acq On : 26 Jun 2023 12:13
 Operator : JC\MD
 Sample : VN0626MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626MBL01

Quant Time: Jun 27 02:14:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

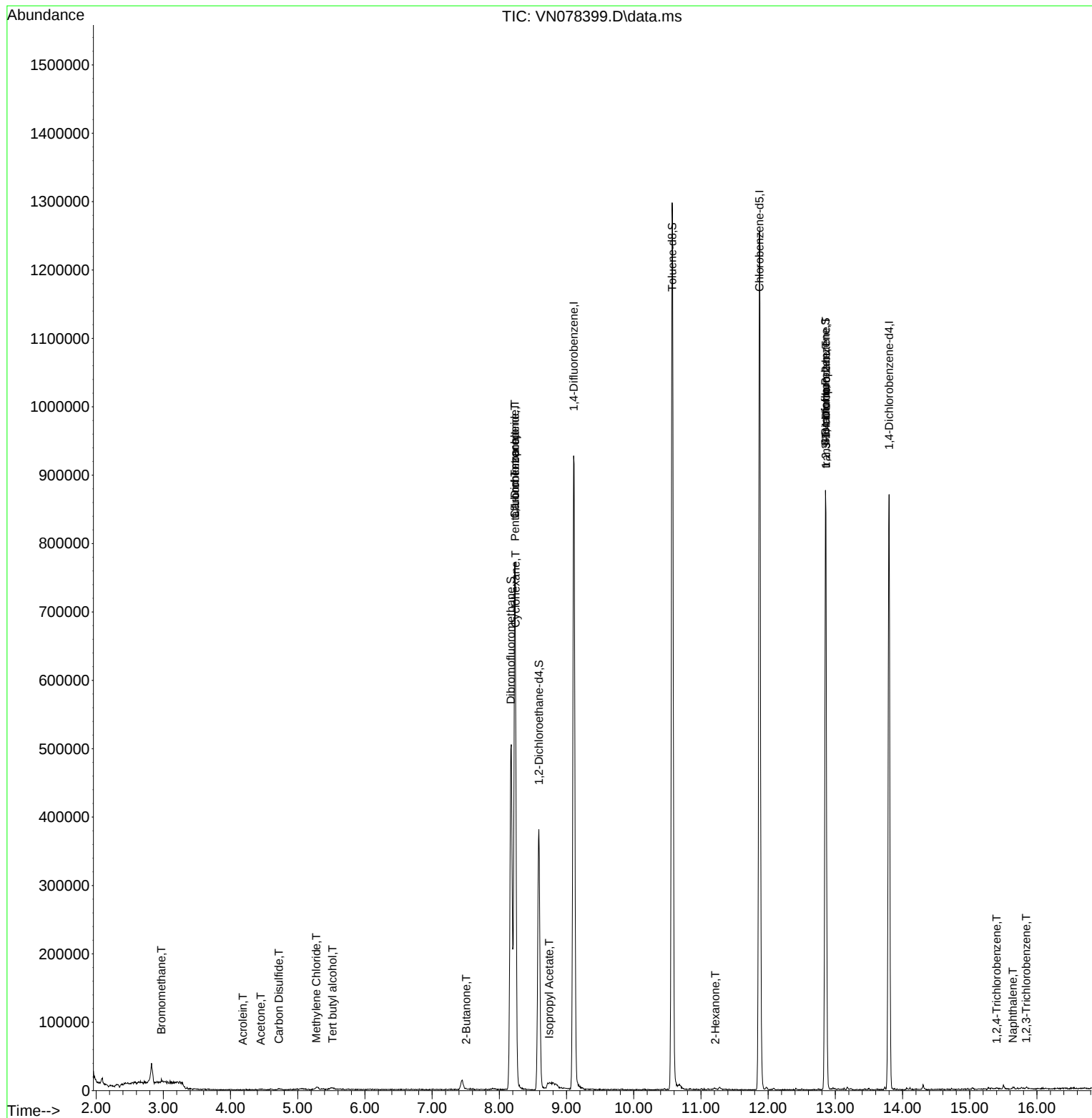
Internal Standards						
1) Pentafluorobenzene	8.236	168	554967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	828104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	753432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	237915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	315366	42.620	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.240%		
35) Dibromofluoromethane	8.171	113	368243	70.329	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	140.660%#		
50) Toluene-d8	10.571	98	949122	47.020	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.040%		
62) 4-Bromofluorobenzene	12.853	95	310739	49.519	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.040%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1337	Below Cal	#	42
5) Bromomethane	2.971	94	2869	0.462	ug/l #	80
11) Tert butyl alcohol	5.518	59	2009	1.966	ug/l #	72
13) Acrolein	4.183	56	467	0.415	ug/l #	16
16) Acetone	4.448	43	1101	0.517	ug/l #	40
17) Carbon Disulfide	4.718	76	3233	0.207	ug/l #	75
20) Methylene Chloride	5.277	84	3101	0.441	ug/l #	61
25) 2-Butanone	7.506	43	826	0.252	ug/l	99
31) Cyclohexane	8.241	56	12450	1.312	ug/l #	30
36) 1,1-Dichloropropene	8.230	75	45650	6.078	ug/l #	49
38) Carbon Tetrachloride	8.230	117	60184	7.589	ug/l #	17
43) Isopropyl Acetate	8.741	43	11632	1.037	ug/l #	49
59) 2-Hexanone	11.212	43	1147	0.279	ug/l	74
71) Bromoform	12.853	173	2272	0.593	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	296	Below Cal	#	63
76) 1,2,3-Trichloropropane	12.859	75	164551	29.257	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	164551	89.886	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	946	0.308	ug/l #	66
94) Hexachlorobutadiene	15.500	225	1178	Below Cal		84
95) Naphthalene	15.641	128	2973	0.287	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.841	180	1010	0.294	ug/l	80

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

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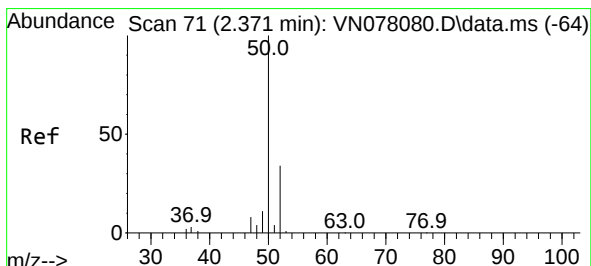
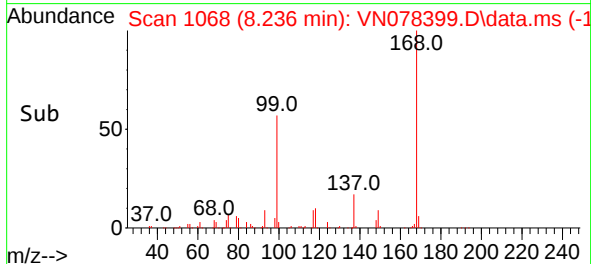
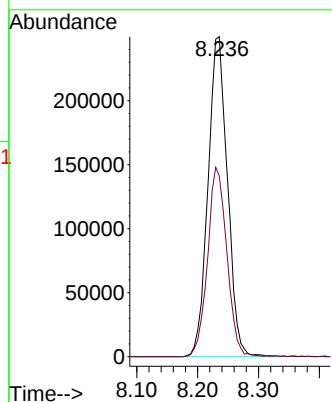
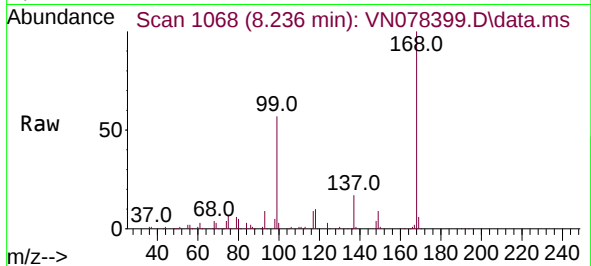




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

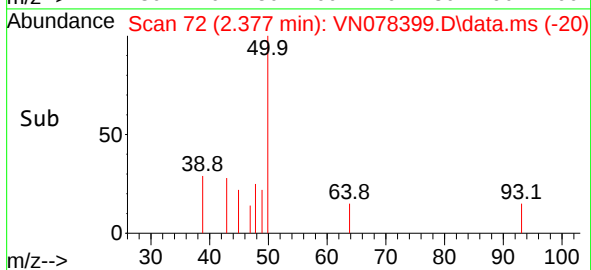
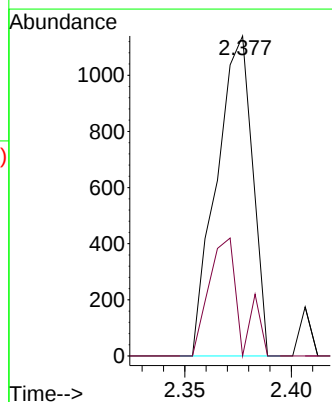
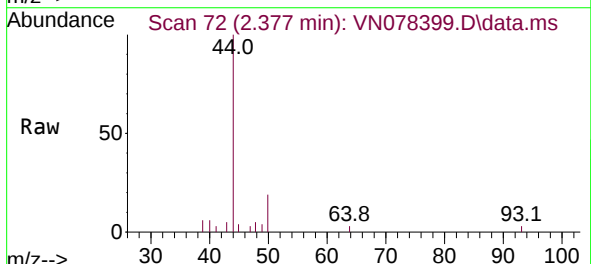
Instrument :
MSVOA_N
ClientSampleId :
VN0626MBL01

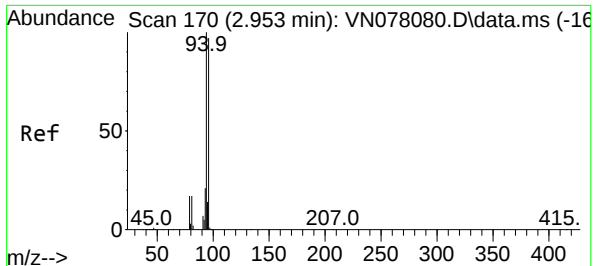
Tgt Ion:168 Resp: 554967
Ion Ratio Lower Upper
168 100
99 56.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

Tgt Ion: 50 Resp: 1337
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

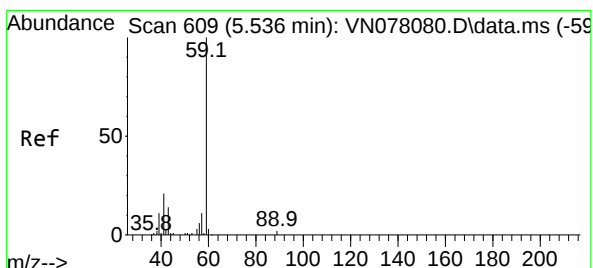
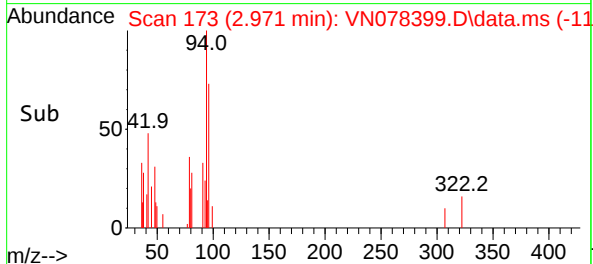
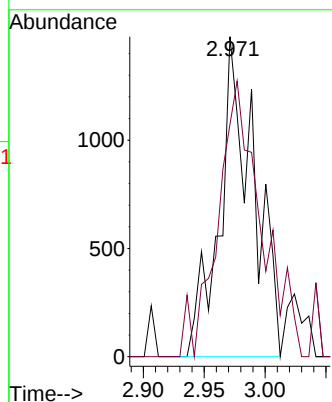
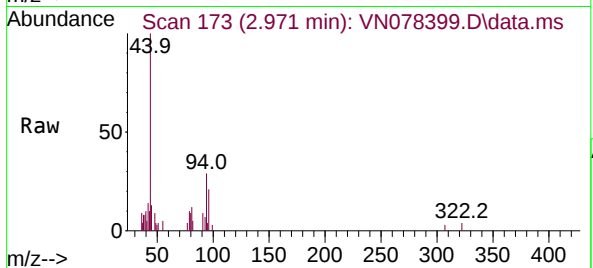




#5
Bromomethane
Concen: 0.462 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

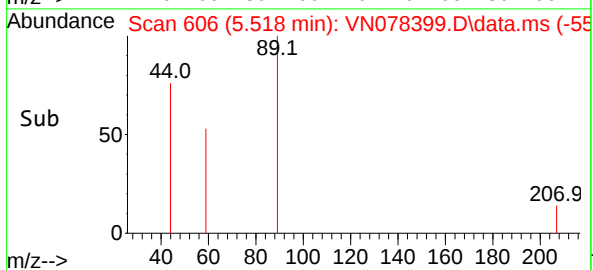
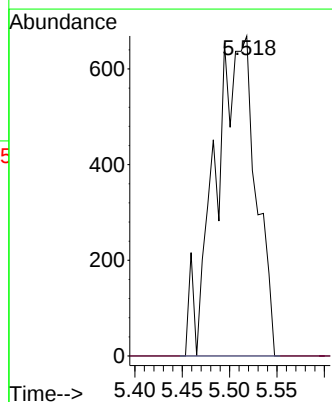
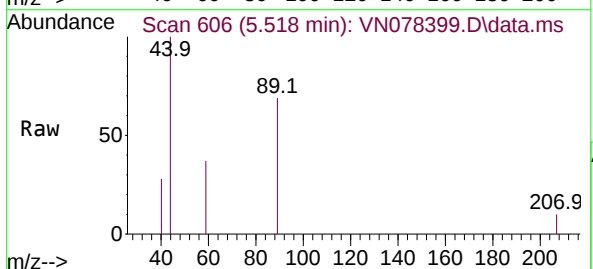
Instrument :
MSVOA_N
ClientSampleId :
VN0626MBL01

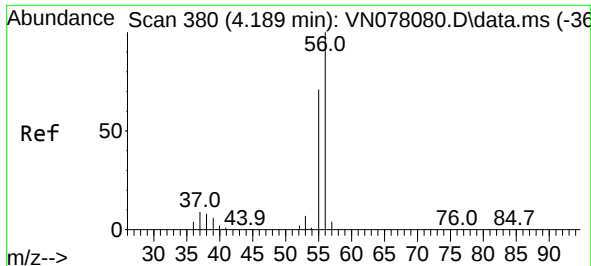
Tgt Ion: 94 Resp: 2869
Ion Ratio Lower Upper
94 100
96 72.6 73.1 109.7#



#11
Tert butyl alcohol
Concen: 1.966 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.018 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

Tgt Ion: 59 Resp: 2009
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

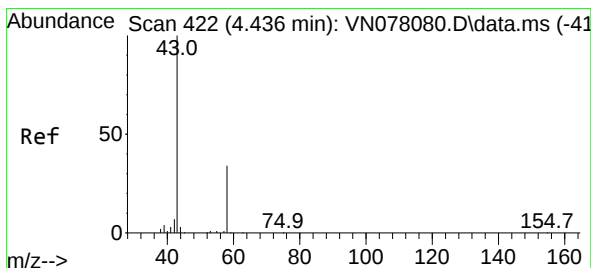
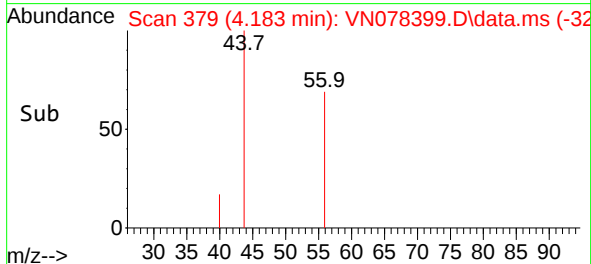
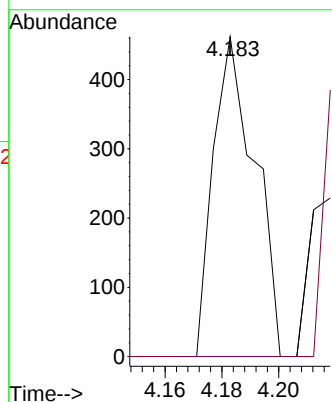
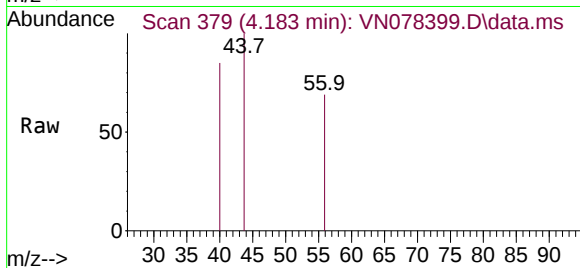




#13
Acrolein
Concen: 0.415 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

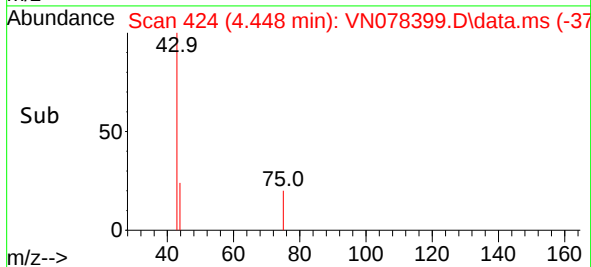
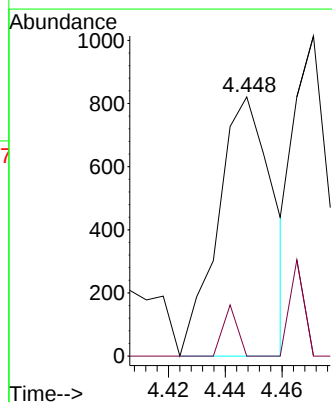
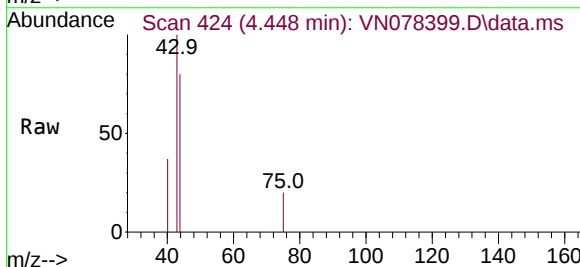
Instrument :
MSVOA_N
ClientSampleId :
VN0626MBL01

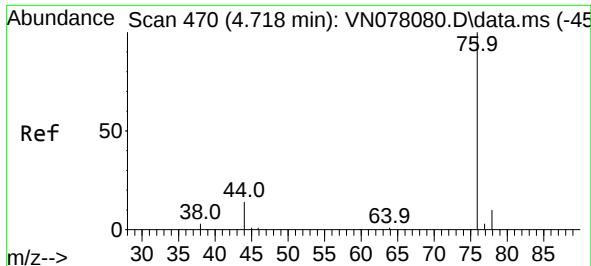
Tgt Ion: 56 Resp: 467
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 0.517 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

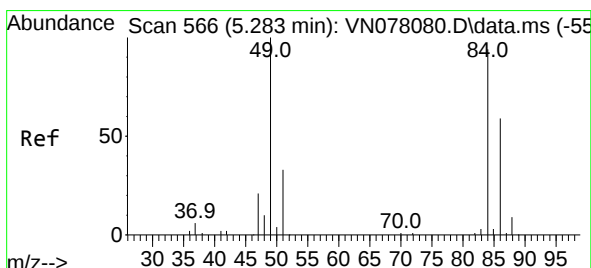
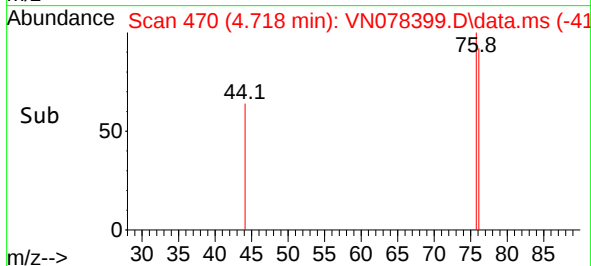
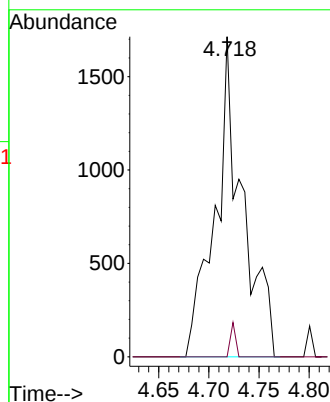
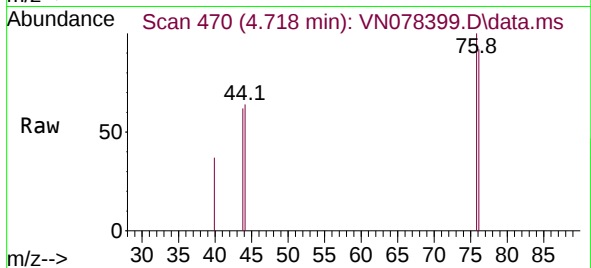




#17
Carbon Disulfide
Concen: 0.207 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

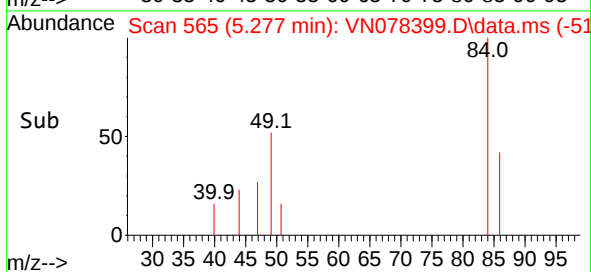
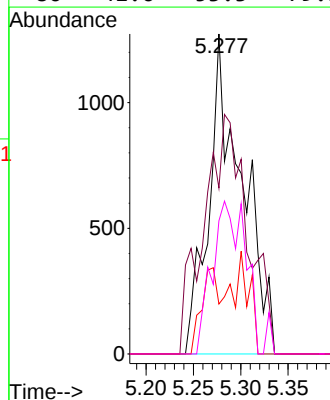
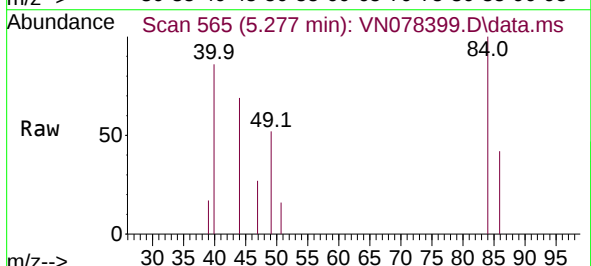
Instrument :
MSVOA_N
ClientSampleId :
VN0626MBL01

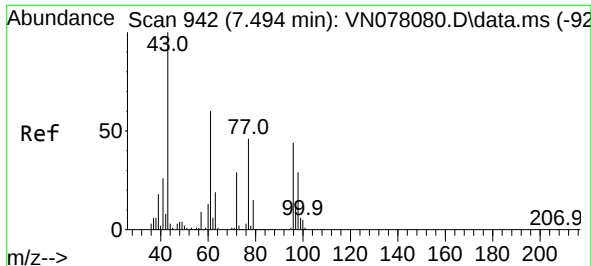
Tgt Ion: 76 Resp: 3233
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 0.441 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

Tgt Ion: 84 Resp: 3101
Ion Ratio Lower Upper
84 100
49 51.8 79.7 119.5#
51 15.6 25.2 37.8#
86 41.6 53.3 79.9#

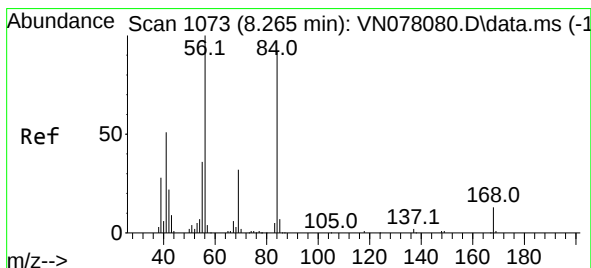
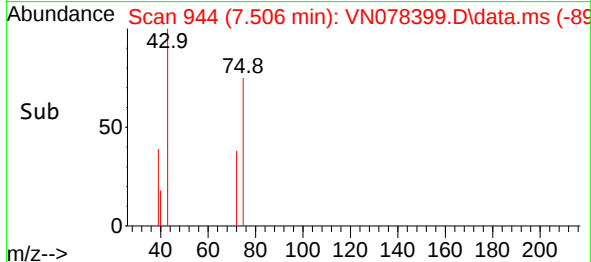
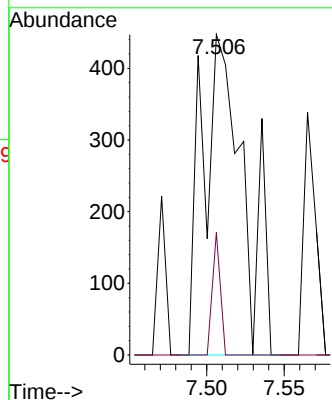
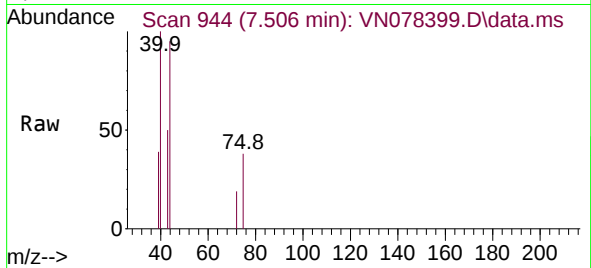




#25
2-Butanone
Concen: 0.252 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

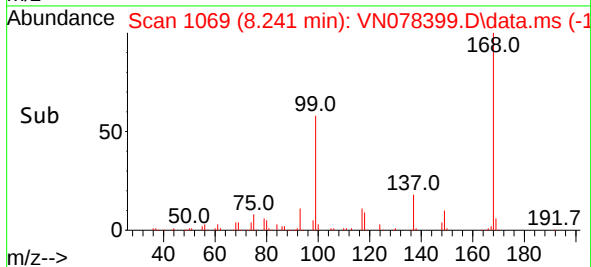
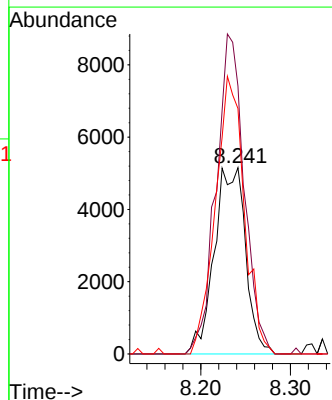
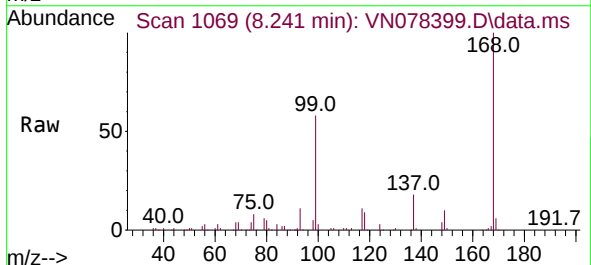
Instrument :
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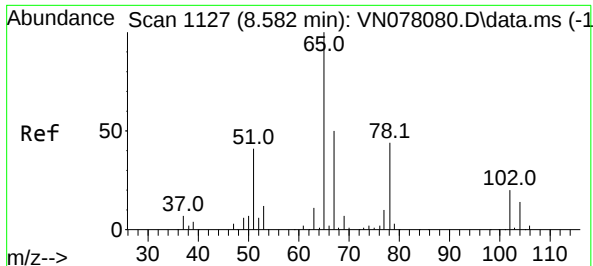
Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
72 38.3 30.2 45.2



#31
Cyclohexane
Concen: 1.312 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.023 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

Tgt Ion: 56 Resp: 12450
Ion Ratio Lower Upper
56 100
69 143.9 26.8 40.2#
84 131.8 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 42.620 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078399.D

Acq: 26 Jun 2023 12:13

Instrument :

MSVOA_N

ClientSampleId :

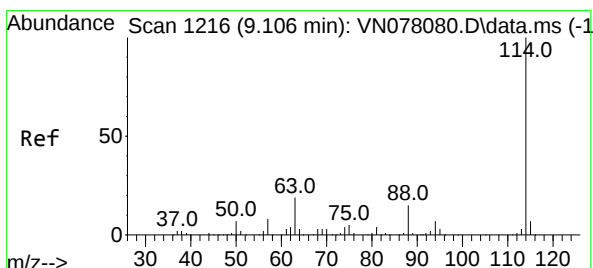
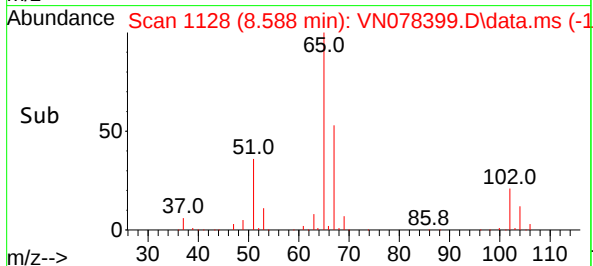
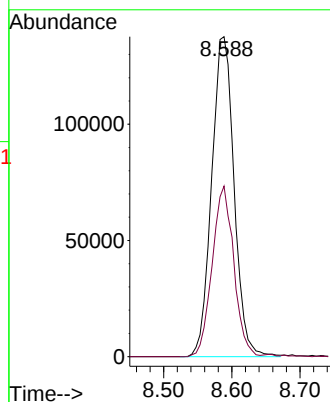
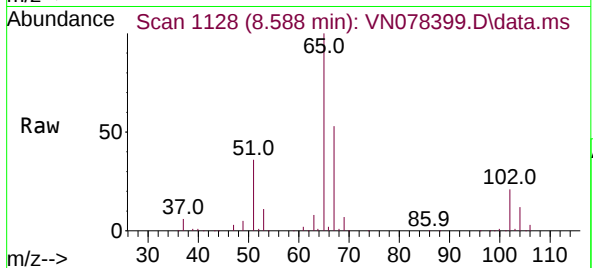
VN0626MBL01

Tgt Ion: 65 Resp: 315366

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078399.D

Acq: 26 Jun 2023 12:13

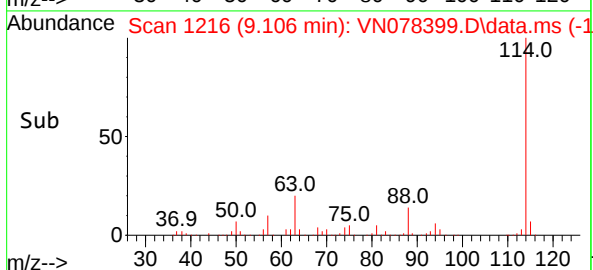
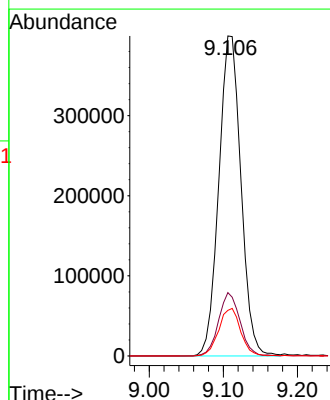
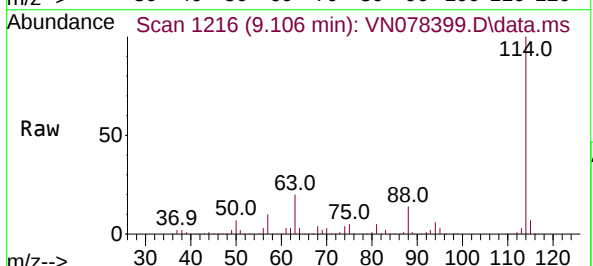
Tgt Ion: 114 Resp: 828104

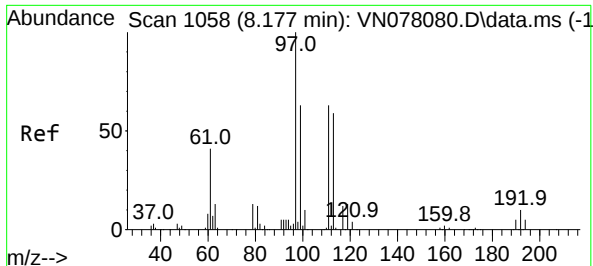
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 14.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 70.329 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078399.D

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MSVOA_N

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VN0626MBL01

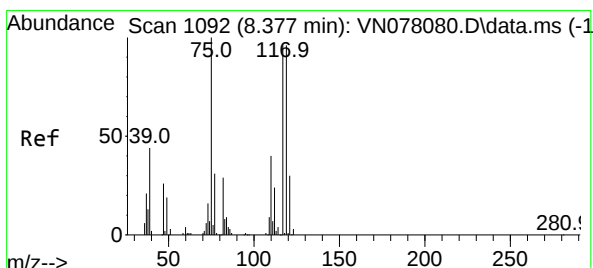
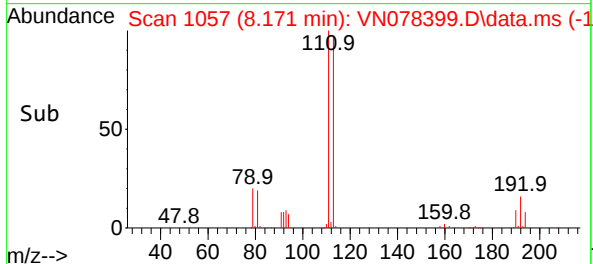
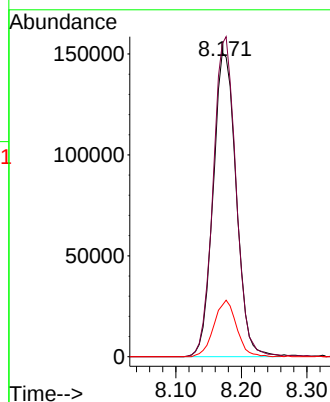
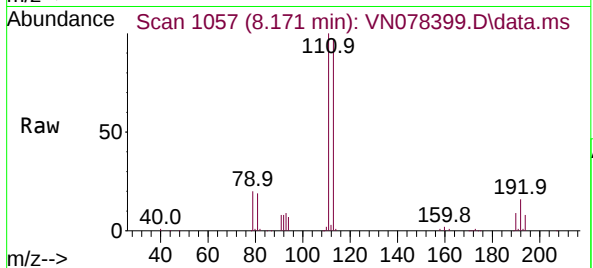
Tgt Ion:113 Resp: 368243

Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 18.2 12.7 19.1



#36

1,1-Dichloropropene

Concen: 6.078 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078399.D

Acq: 26 Jun 2023 12:13

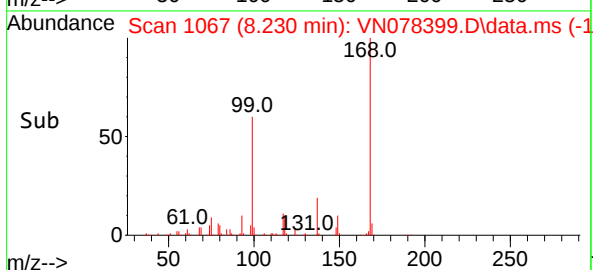
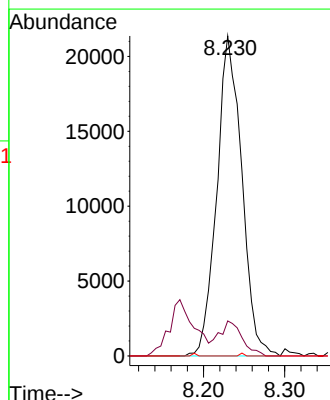
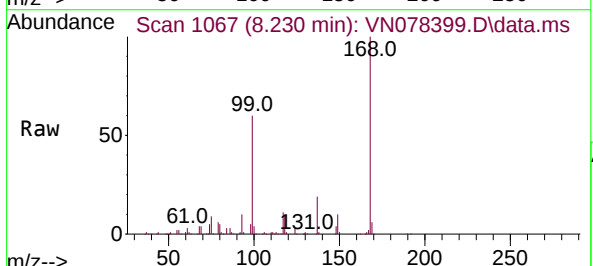
Tgt Ion: 75 Resp: 45650

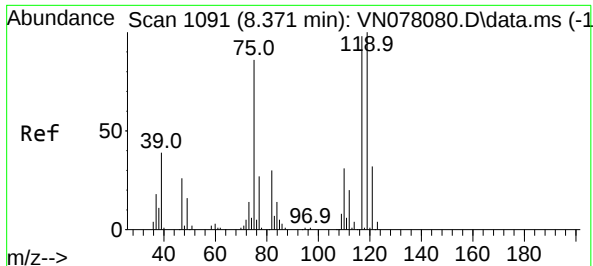
Ion Ratio Lower Upper

75 100

110 10.3 19.1 57.3#

77 0.1 25.0 37.4#

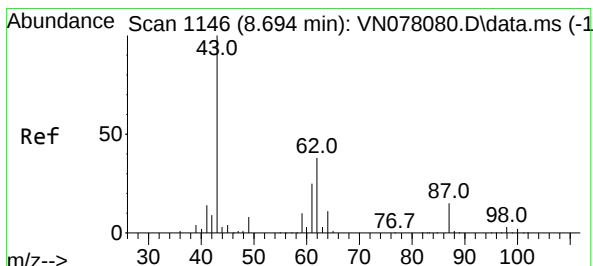
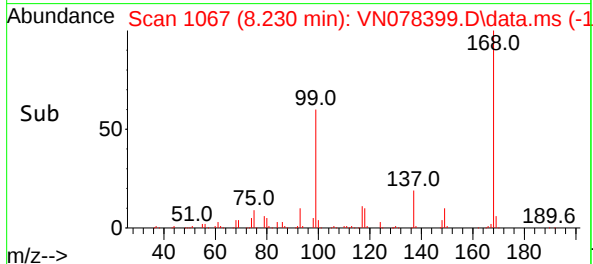
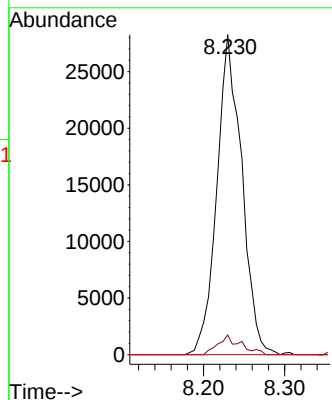
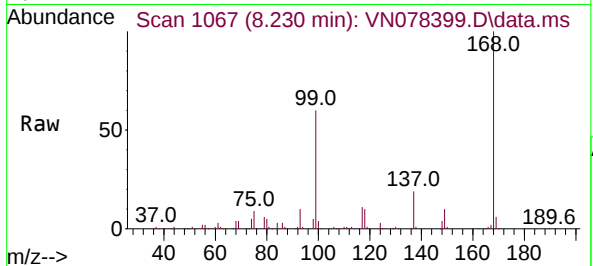




#38
Carbon Tetrachloride
Concen: 7.589 ug/l
RT: 8.230 min Scan# 1104
Delta R.T. -0.141 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

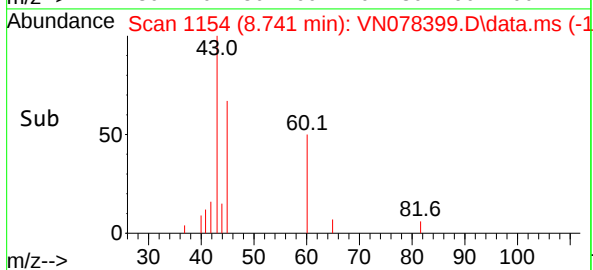
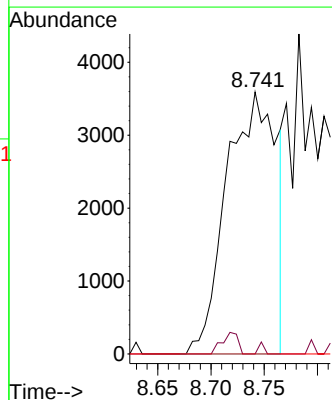
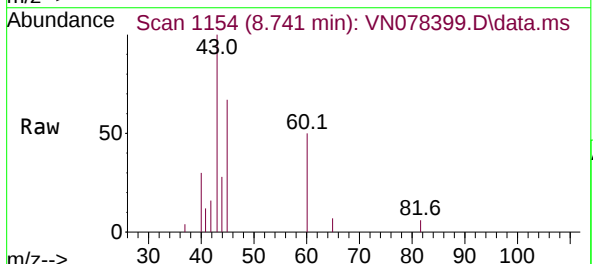
Instrument :
MSVOA_N
ClientSampleId :
VN0626MBL01

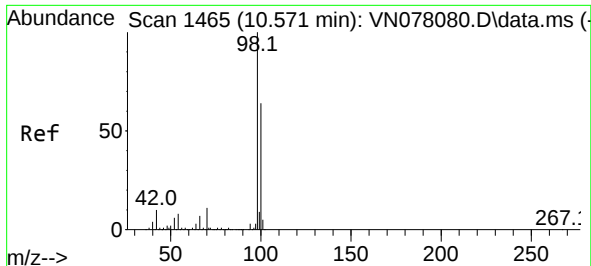
Tgt Ion:117 Resp: 60184
Ion Ratio Lower Upper
117 100
119 6.2 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 1.037 ug/l
RT: 8.741 min Scan# 1154
Delta R.T. 0.047 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

Tgt Ion: 43 Resp: 11632
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

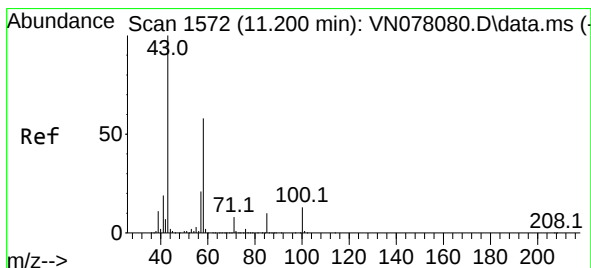
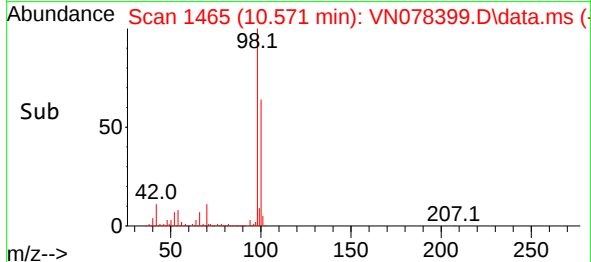
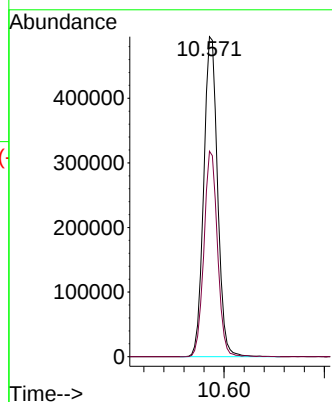
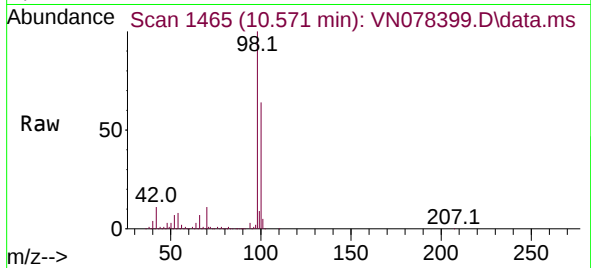




#50
Toluene-d8
Concen: 47.020 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

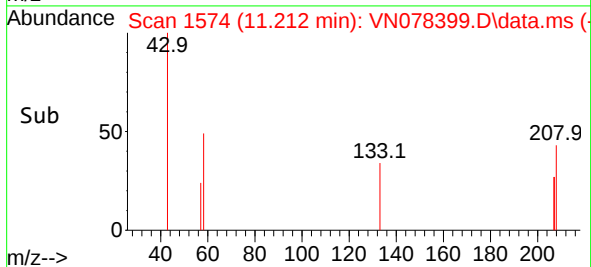
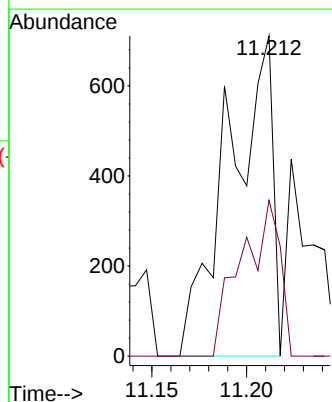
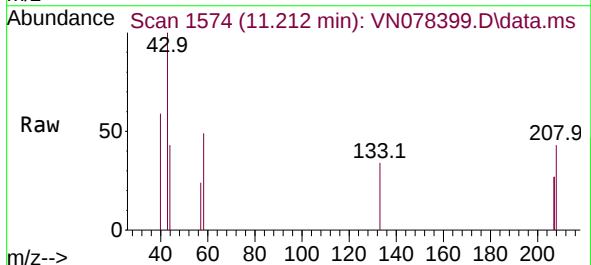
Instrument :
MSVOA_N
ClientSampleId :
VN0626MBL01

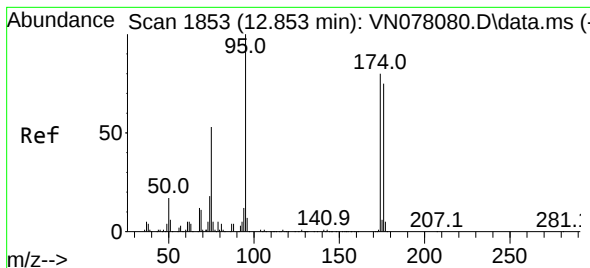
Tgt Ion: 98 Resp: 949122
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0



#59
2-Hexanone
Concen: 0.279 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

Tgt Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
58 42.9 31.7 95.1

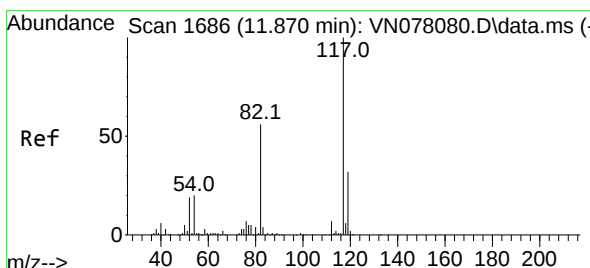
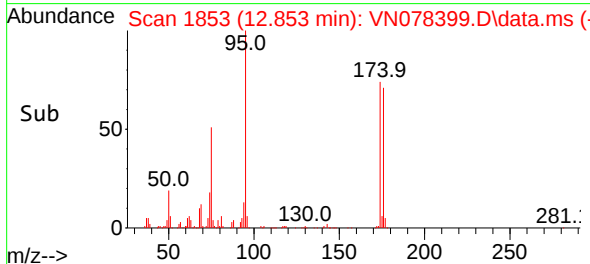
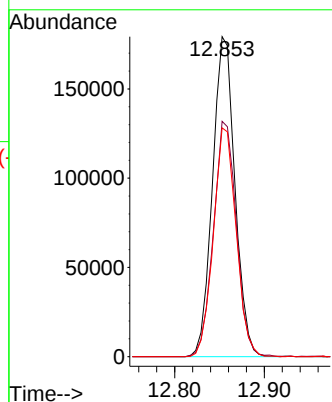
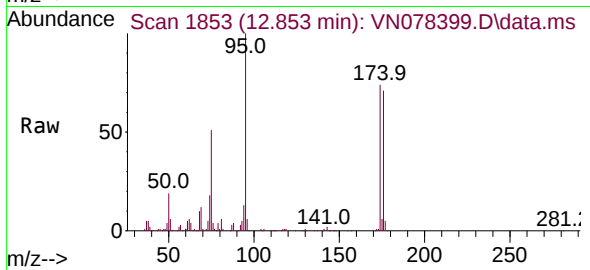




#62
4-Bromofluorobenzene
Concen: 49.519 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

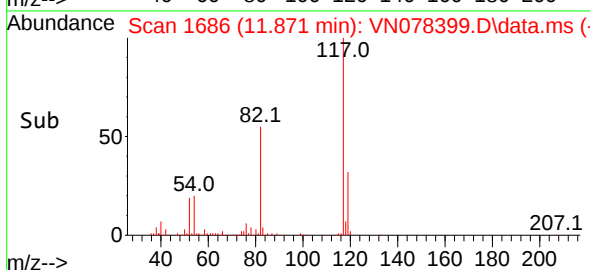
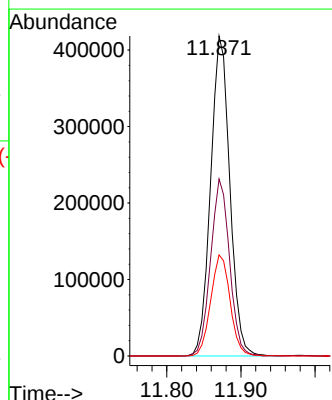
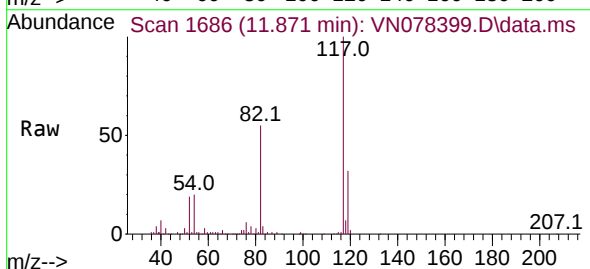
Instrument :
MSVOA_N
ClientSampleId :
VN0626MBL01

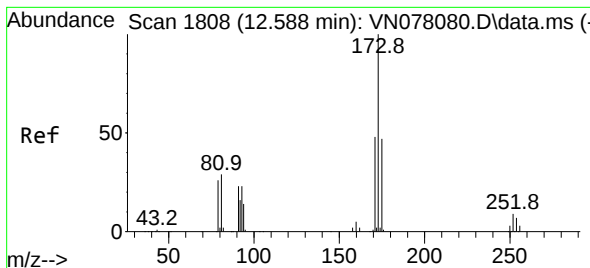
Tgt Ion: 95 Resp: 310739
Ion Ratio Lower Upper
95 100
174 75.4 0.0 143.8
176 72.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

Tgt Ion: 117 Resp: 753432
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 31.6 25.6 38.4





#71

Bromoform

Concen: 0.593 ug/l

RT: 12.853 min Scan# 1808

Delta R.T. 0.265 min

Lab File: VN078399.D

Acq: 26 Jun 2023 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBL01

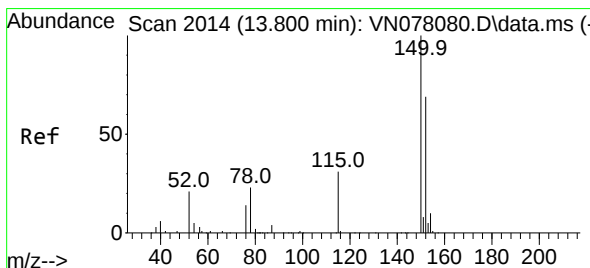
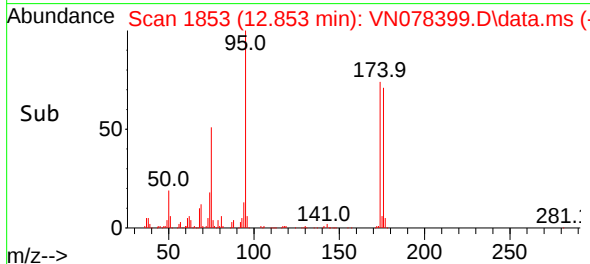
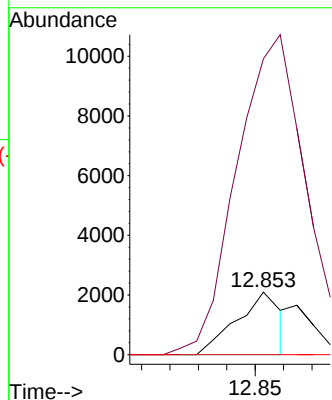
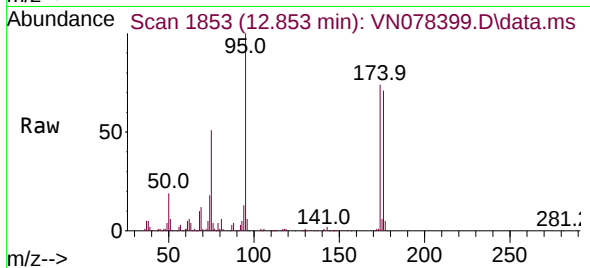
Tgt Ion:173 Resp: 2272

Ion Ratio Lower Upper

173 100

175 681.9 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. 0.000 min

Lab File: VN078399.D

Acq: 26 Jun 2023 12:13

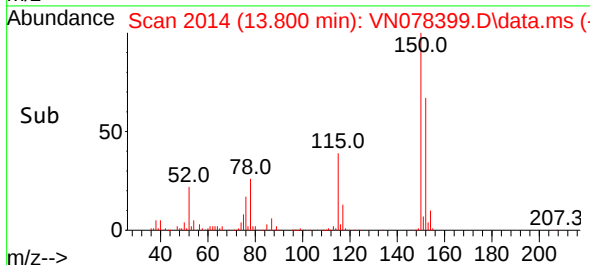
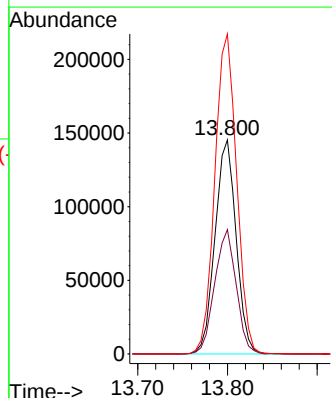
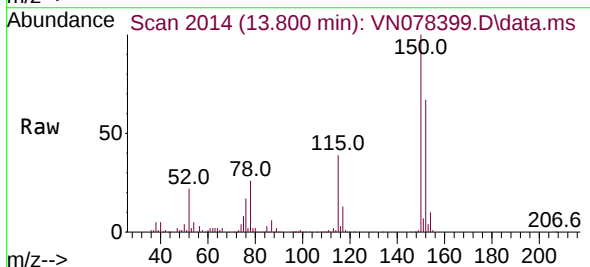
Tgt Ion:152 Resp: 237915

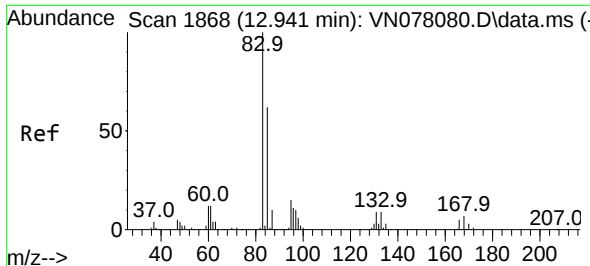
Ion Ratio Lower Upper

152 100

115 59.1 32.3 96.8

150 153.8 0.0 355.8

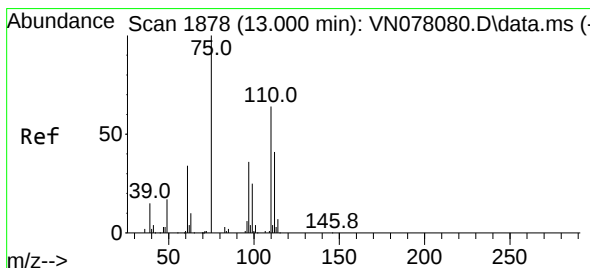
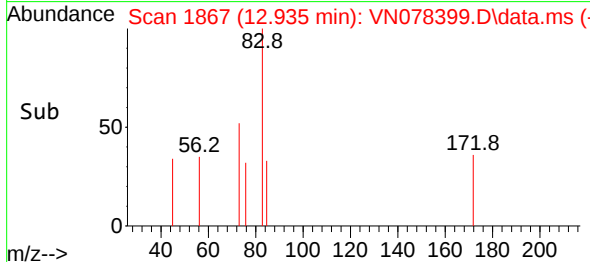
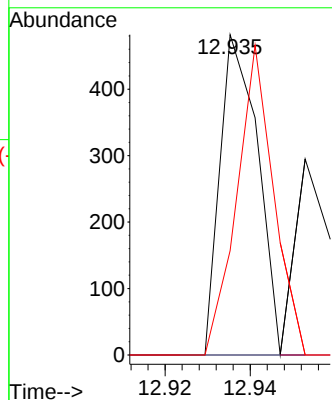
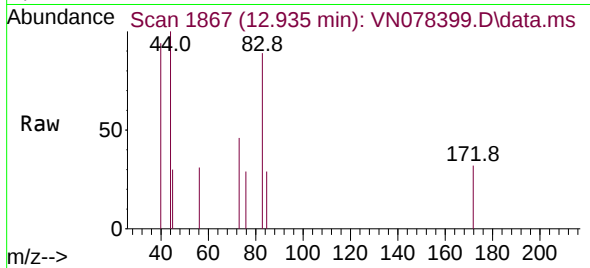




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

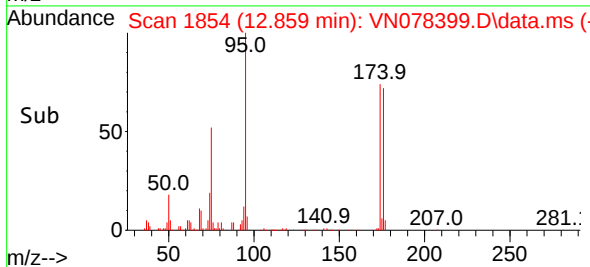
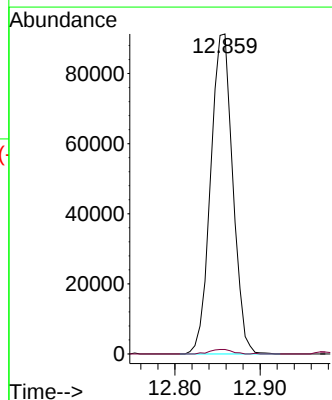
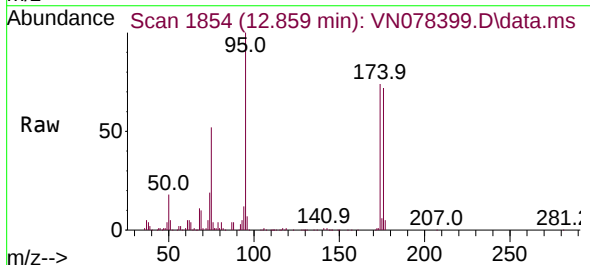
Instrument :
MSVOA_N
ClientSampleId :
VN0626MBL01

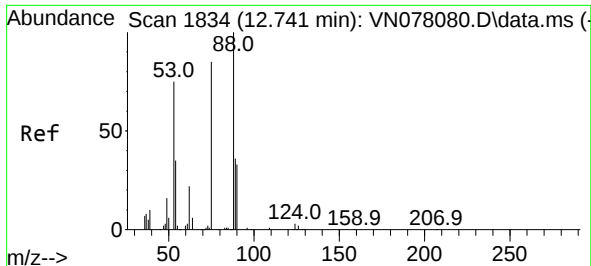
Tgt Ion: 83 Resp: 296
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 94.3 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 29.257 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

Tgt Ion: 75 Resp: 164551
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#

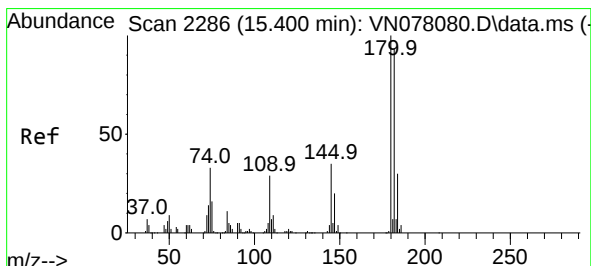
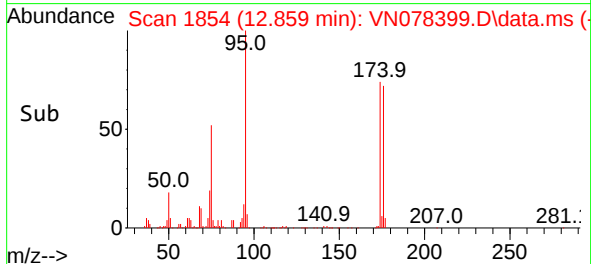
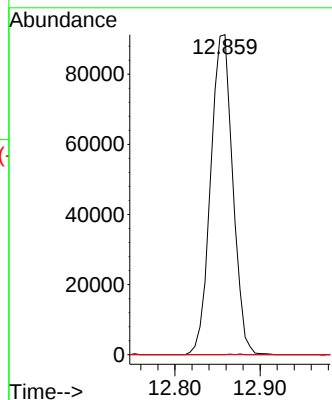
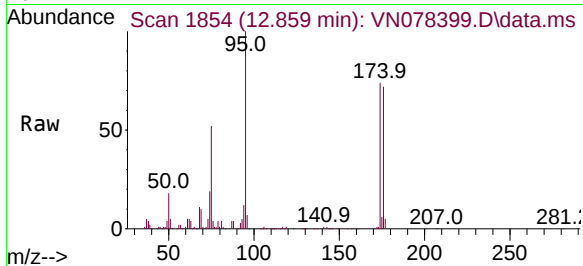




#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.886 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. 0.118 min
 Lab File: VN078399.D
 Acq: 26 Jun 2023 12:13

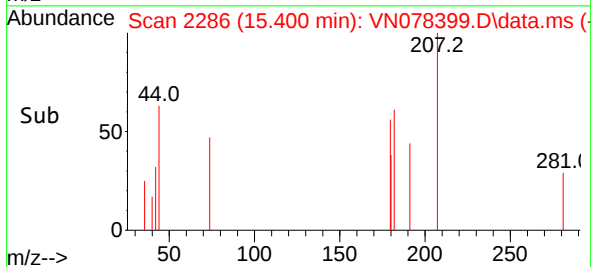
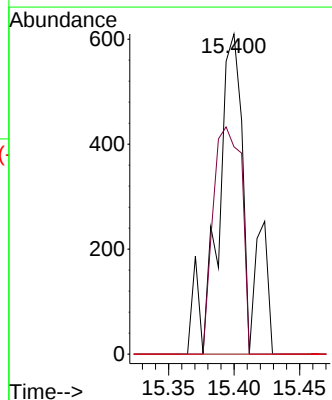
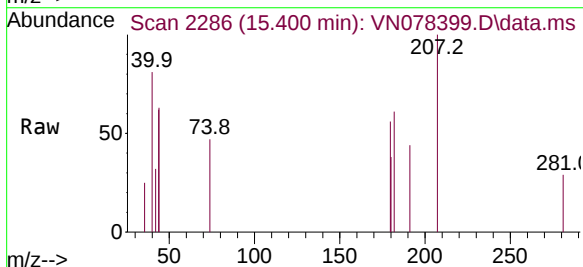
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626MBL01

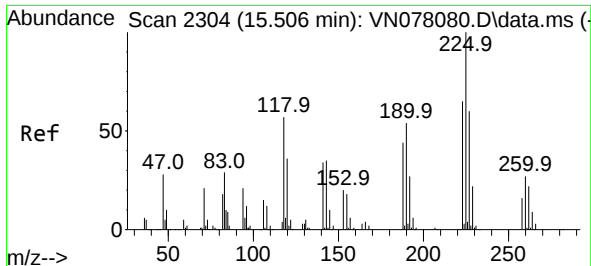
Tgt Ion: 75 Resp: 164551
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.308 ug/l
 RT: 15.400 min Scan# 2286
 Delta R.T. 0.000 min
 Lab File: VN078399.D
 Acq: 26 Jun 2023 12:13

Tgt Ion:180 Resp: 946
 Ion Ratio Lower Upper
 180 100
 182 68.6 46.1 138.2
 145 0.0 16.6 49.8#

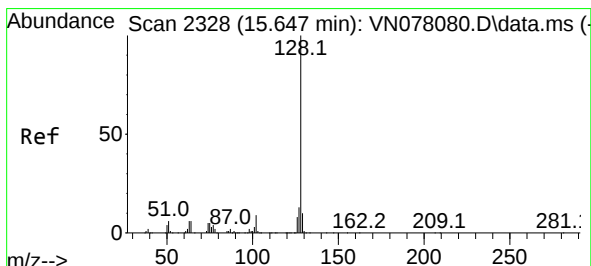
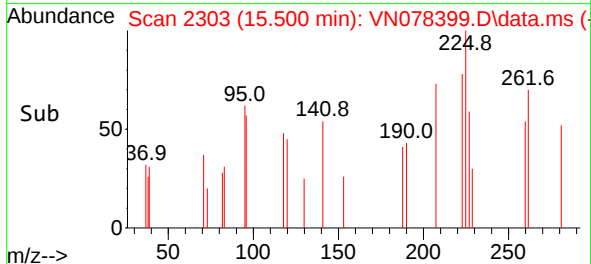
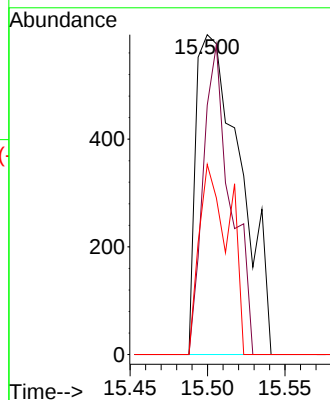
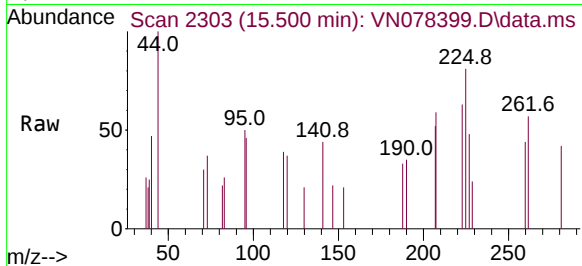




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.500 min Scan# 211
Delta R.T. -0.006 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

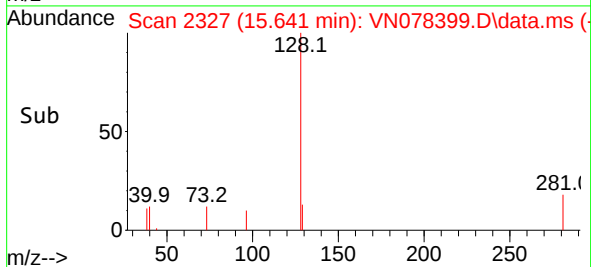
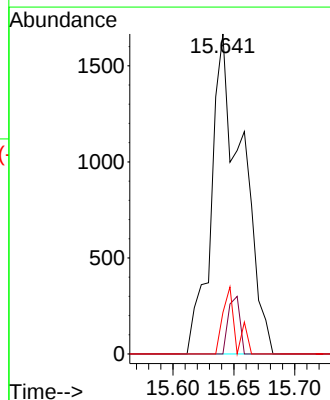
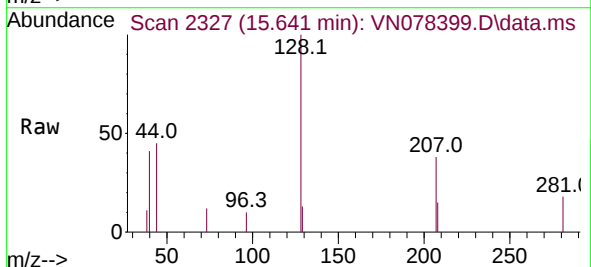
Instrument :
MSVOA_N
ClientSampleId :
VN0626MBL01

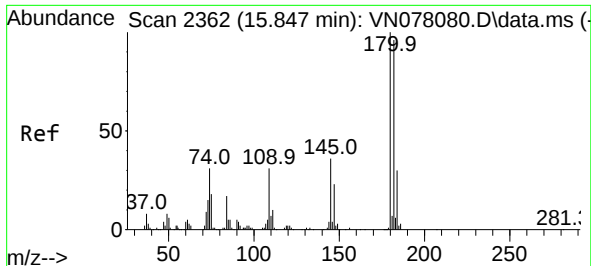
Tgt Ion:225 Resp: 1178
Ion Ratio Lower Upper
225 100
223 60.4 31.3 93.8
227 40.7 31.9 95.9



#95
Naphthalene
Concen: 0.287 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN078399.D
Acq: 26 Jun 2023 12:13

Tgt Ion:128 Resp: 2973
Ion Ratio Lower Upper
128 100
127 6.7 10.0 15.0#
129 8.7 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.294 ug/l

RT: 15.841 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN078399.D

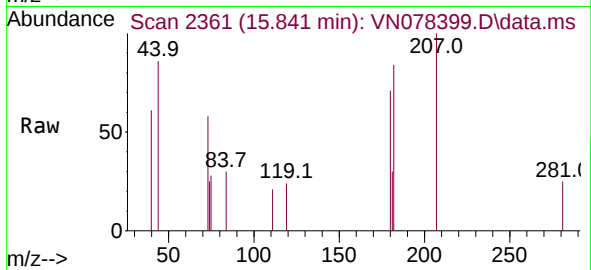
Acq: 26 Jun 2023 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBL01



Tgt Ion:180 Resp: 1010

Ion Ratio Lower Upper

180 100

182 67.8 46.2 138.6

145 31.2 17.5 52.6

