

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071823\
 Data File : VN078552.D
 Acq On : 18 Jul 2023 11:27
 Operator : JC\MD
 Sample : VN0718WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBL01

Quant Time: Jul 19 01:45:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

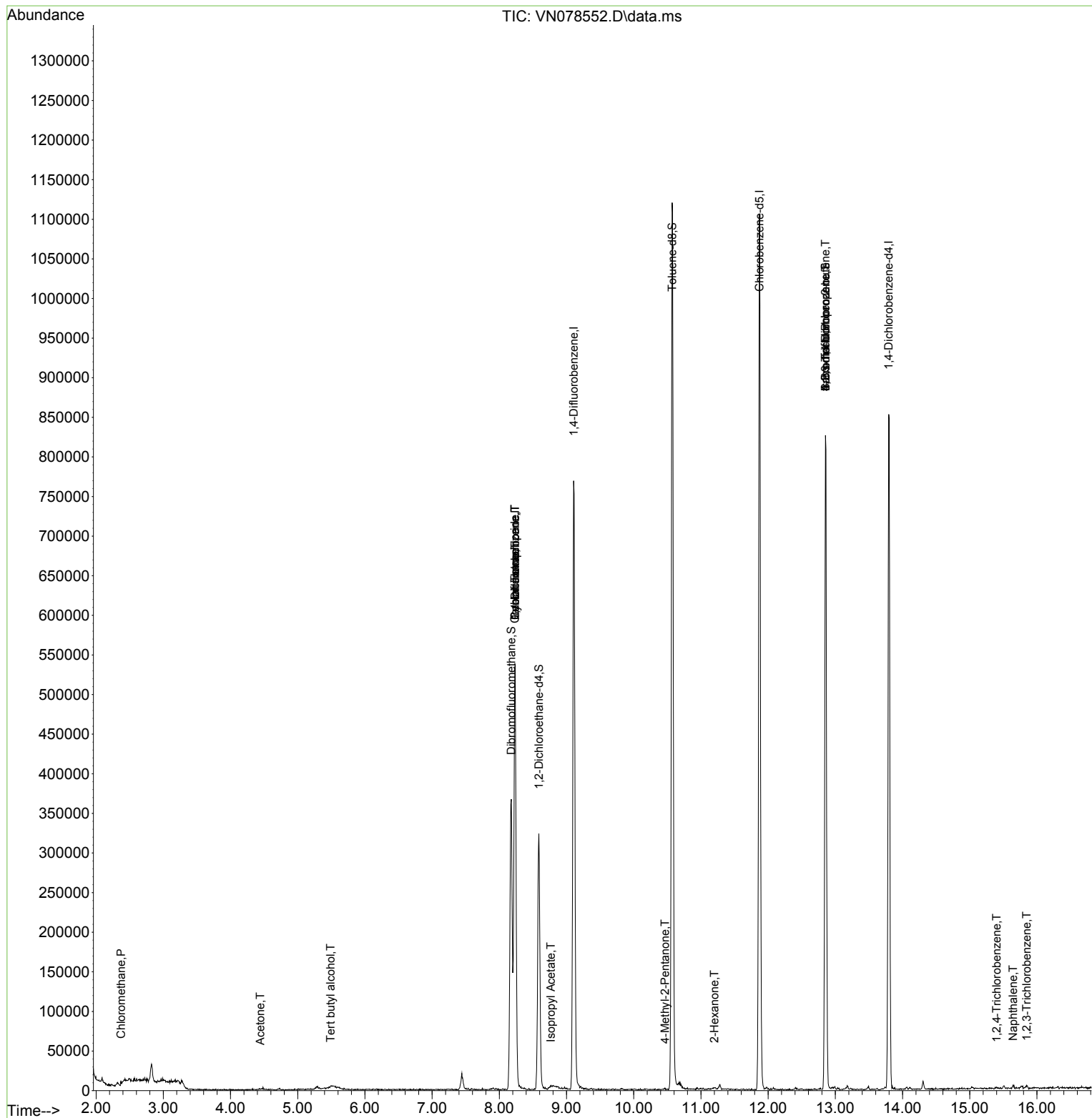
Internal Standards						
1) Pentafluorobenzene	8.236	168	402785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	700602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	679555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	243985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	262153	48.549	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.100%		
35) Dibromofluoromethane	8.177	113	269631	56.694	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	113.380%		
50) Toluene-d8	10.571	98	835689	46.514	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.020%		
62) 4-Bromofluorobenzene	12.853	95	293471	53.030	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.060%		
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	1561	0.291	ug/l	99
5) Bromomethane	2.971	94	2568	Below Cal		84
6) Chloroethane	3.101	64	1376	Below Cal #		43
11) Tert butyl alcohol	5.489	59	726	0.872	ug/l #	72
16) Acetone	4.442	43	401	0.238	ug/l #	40
20) Methylene Chloride	5.295	84	1617	Below Cal #		80
31) Cyclohexane	8.236	56	9686	1.327	ug/l #	64
36) 1,1-Dichloropropene	8.236	75	31696	4.616	ug/l #	49
38) Carbon Tetrachloride	8.230	117	41986	5.626	ug/l #	15
43) Isopropyl Acetate	8.765	43	3525	0.374	ug/l #	49
51) 4-Methyl-2-Pentanone	10.465	43	1151	0.205	ug/l #	31
59) 2-Hexanone	11.200	43	1393	0.350	ug/l	64
71) Bromoform	12.853	173	1718	0.434	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.941	83	390	Below Cal #		88
76) 1,2,3-Trichloropropane	12.853	75	150315	25.488	ug/l #	1
77) Bromobenzene	12.994	156	345	Below Cal #		17
81) trans-1,4-Dichloro-2-b...	12.853	75	150315	66.978	ug/l #	15
90) Hexachloroethane	14.435	117	66	Below Cal #		21
92) 1,2-Dibromo-3-Chloropr...	14.729	75	70	Below Cal #		4
93) 1,2,4-Trichlorobenzene	15.400	180	798	0.285	ug/l	73
94) Hexachlorobutadiene	15.512	225	942	Below Cal #		66
95) Naphthalene	15.647	128	3779	0.395	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.847	180	1146	0.357	ug/l	74

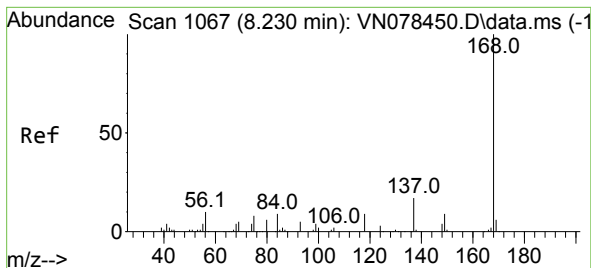
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071823\
Data File : VN078552.D
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Sample : VN0718WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Time: Jul 19 01:45:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. 0.006 min

Lab File: VN078552.D

Acq: 18 Jul 2023 11:27

Instrument :

MSVOA_N

ClientSampleId :

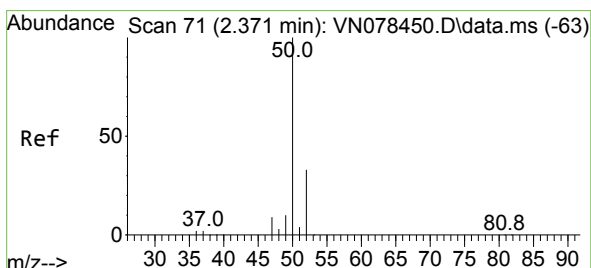
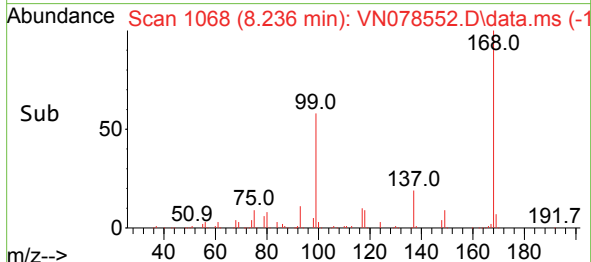
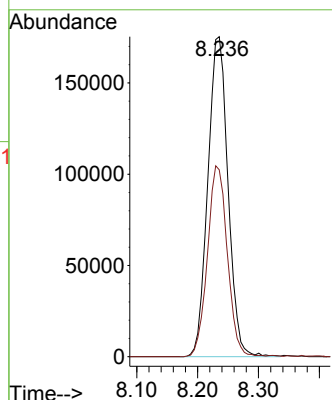
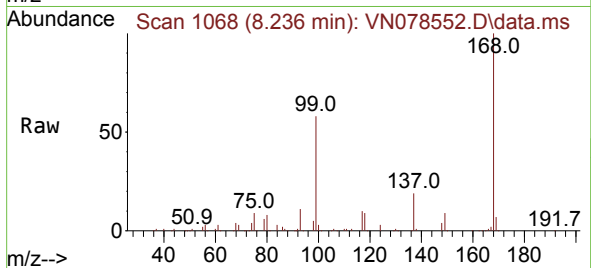
VN0718WBL01

Tgt Ion:168 Resp: 402785

Ion Ratio Lower Upper

168 100

99 58.4 53.0 79.6



#3

Chloromethane

Concen: 0.291 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078552.D

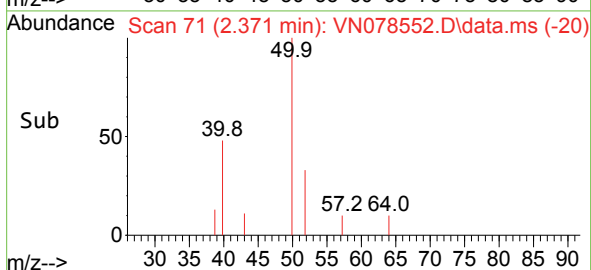
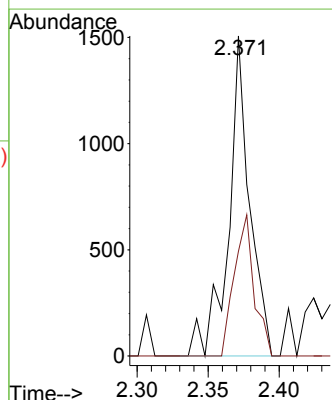
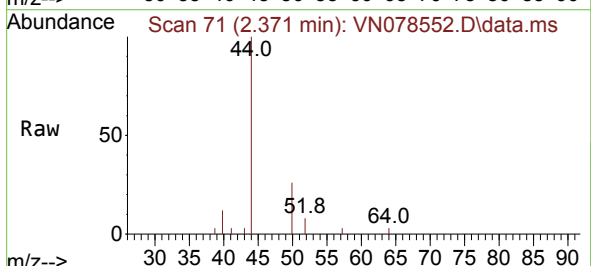
Acq: 18 Jul 2023 11:27

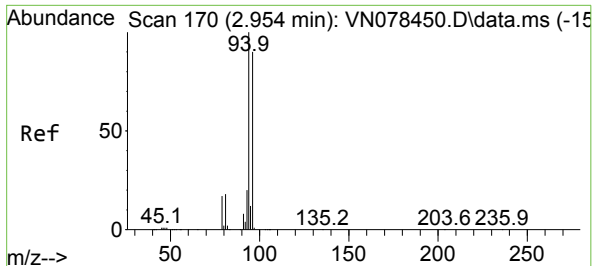
Tgt Ion: 50 Resp: 1561

Ion Ratio Lower Upper

50 100

52 32.7 26.5 39.7

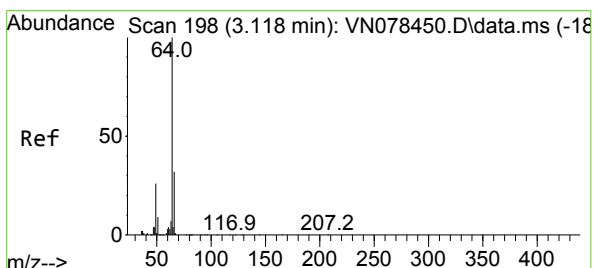
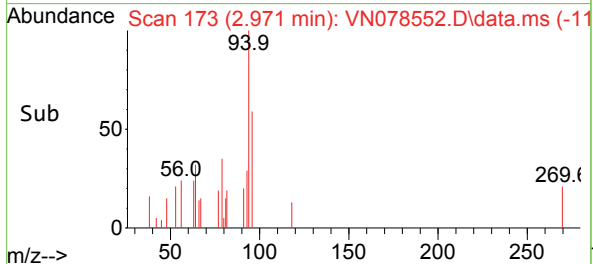
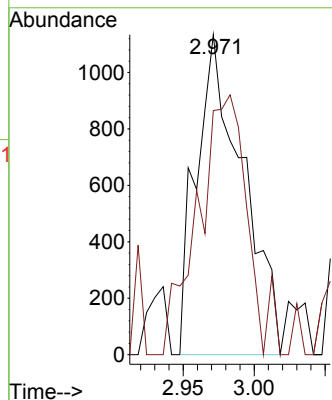
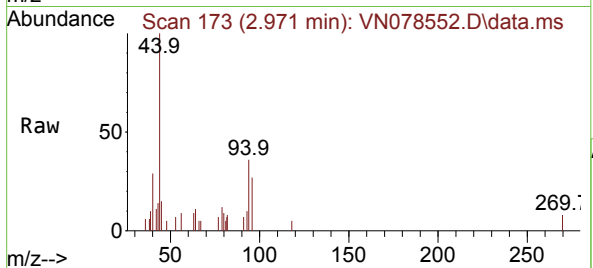




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

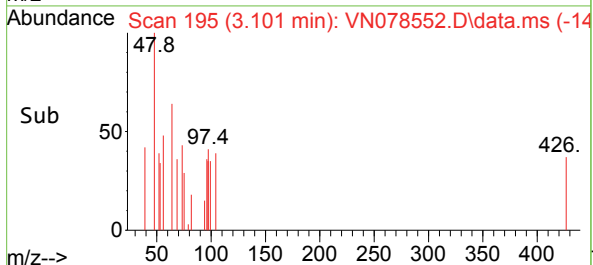
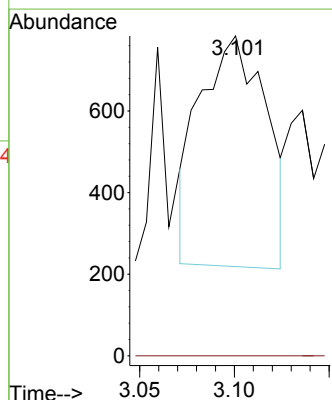
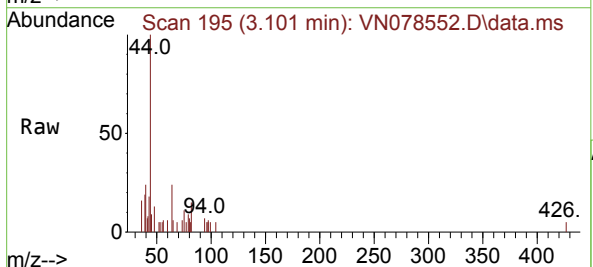
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

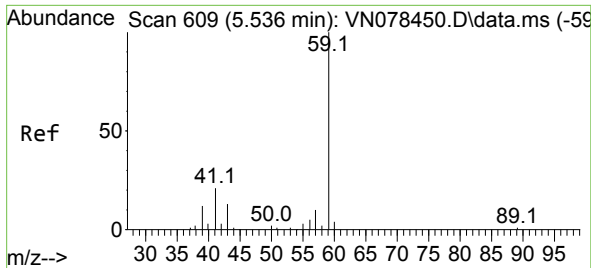
Tgt Ion: 94 Resp: 2568
Ion Ratio Lower Upper
94 100
96 76.3 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 195
Delta R.T. -0.017 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

Tgt Ion: 64 Resp: 1376
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

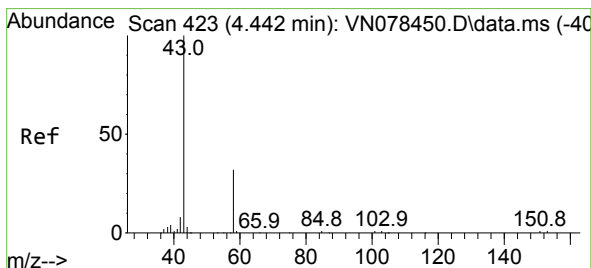
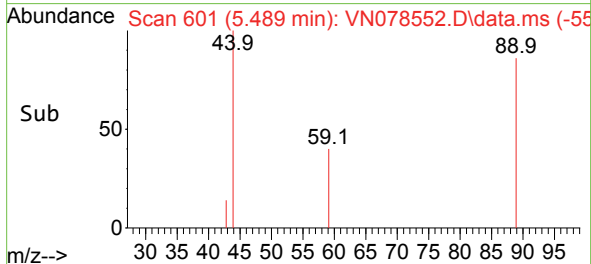
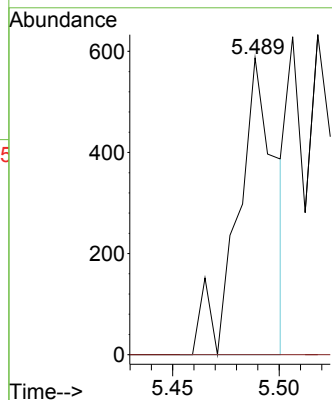
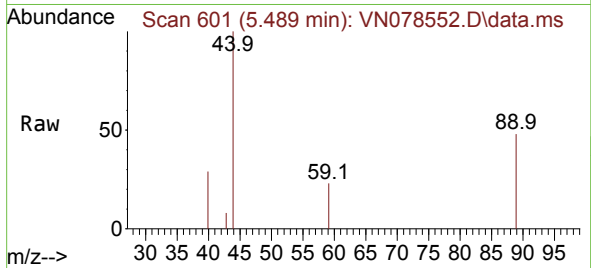




#11
Tert butyl alcohol
Concen: 0.872 ug/l
RT: 5.489 min Scan# 609
Delta R.T. -0.047 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

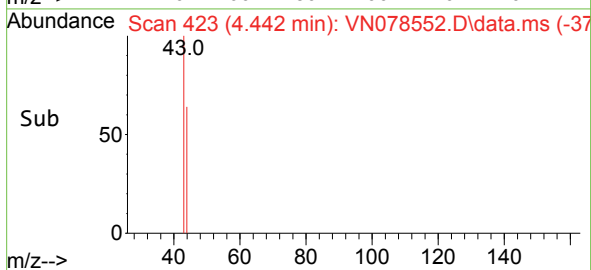
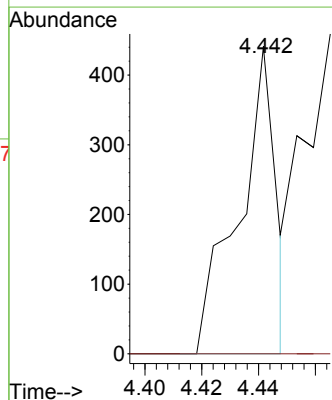
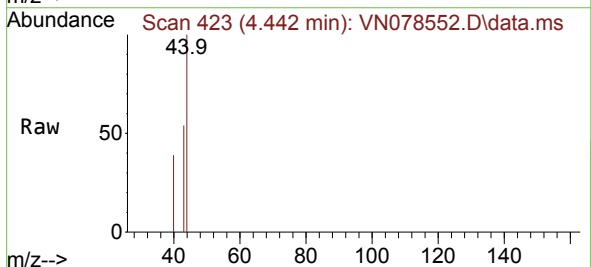
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

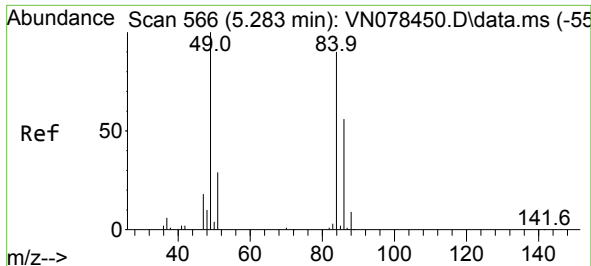
Tgt Ion: 59 Resp: 726
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.238 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

Tgt Ion: 43 Resp: 401
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

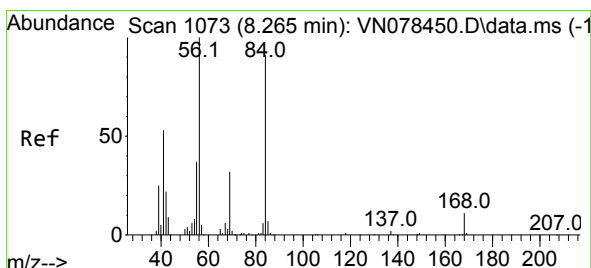
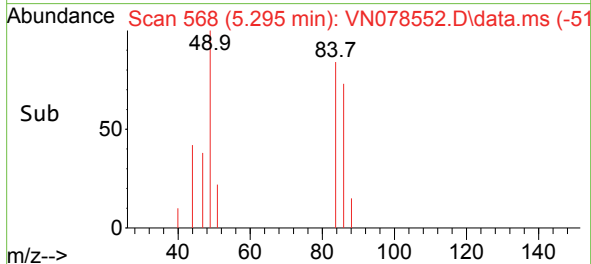
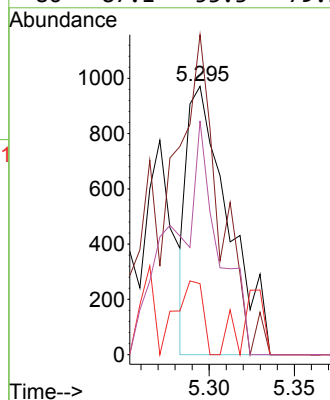
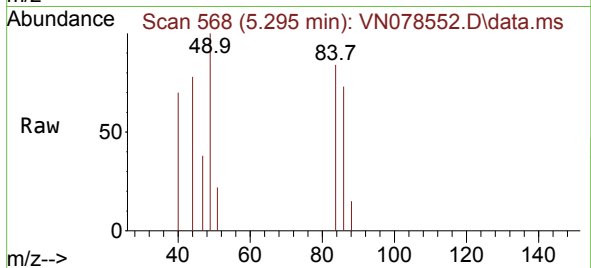




#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

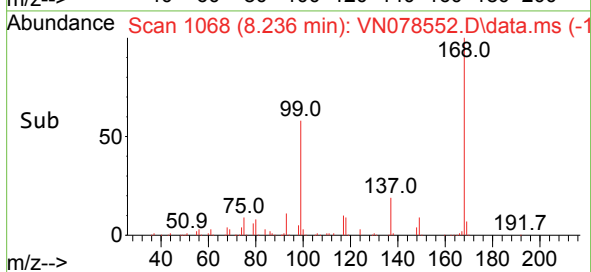
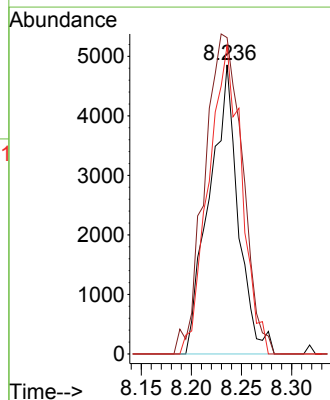
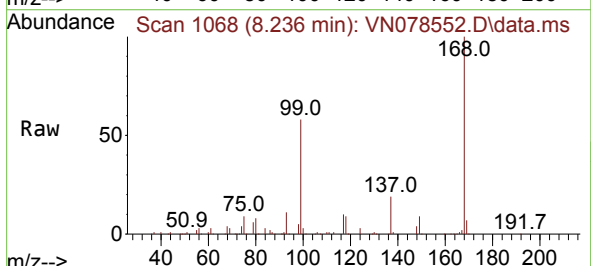
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

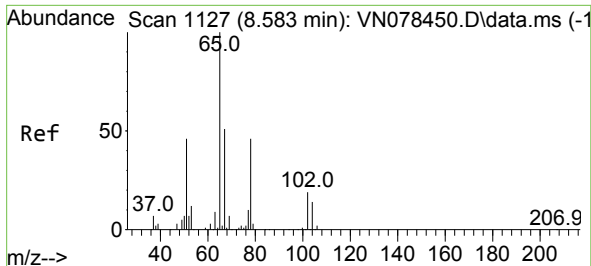
Tgt Ion:	84	Resp:	1617
Ion	Ratio	Lower	Upper
84	100		
49	119.3	79.7	119.5
51	26.5	25.2	37.8
86	87.1	53.3	79.9



#31
Cyclohexane
Concen: 1.327 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

Tgt Ion:	56	Resp:	9686
Ion	Ratio	Lower	Upper
56	100		
69	109.4	26.8	40.2
84	106.6	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 48.549 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078552.D

Acq: 18 Jul 2023 11:27

Instrument :

MSVOA_N

ClientSampleId :

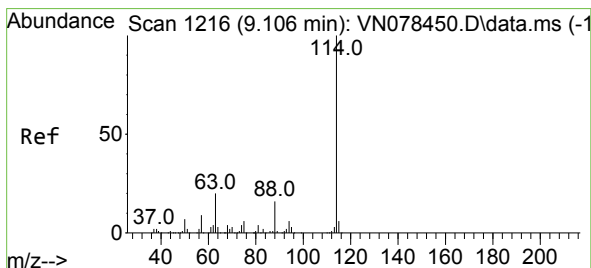
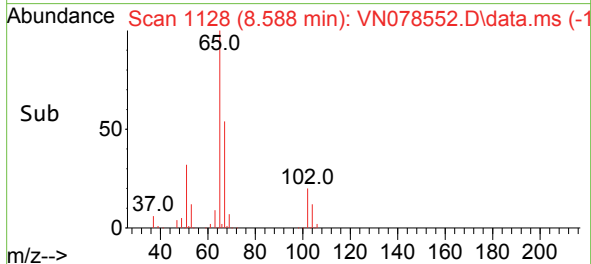
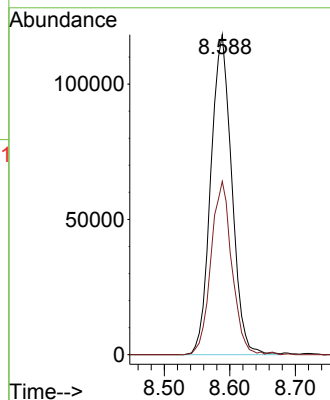
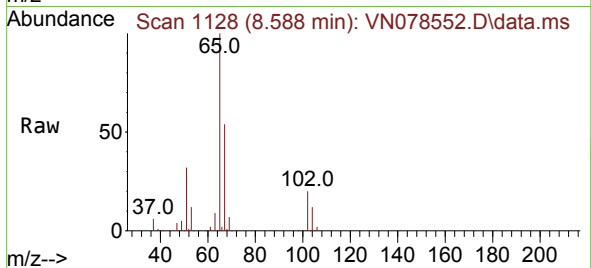
VN0718WBL01

Tgt Ion: 65 Resp: 262153

Ion Ratio Lower Upper

65 100

67 53.9 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: VN078552.D

Acq: 18 Jul 2023 11:27

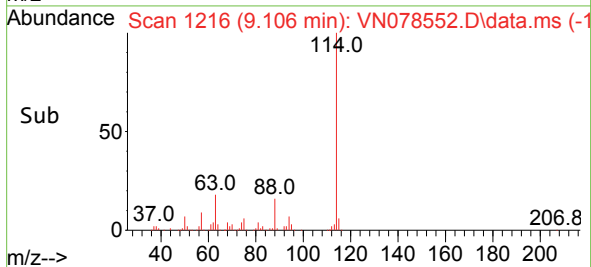
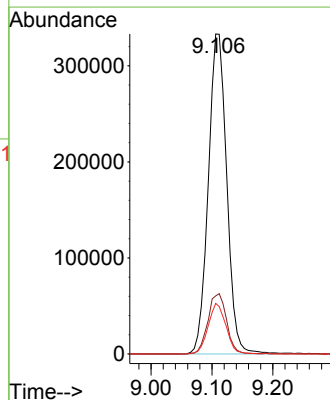
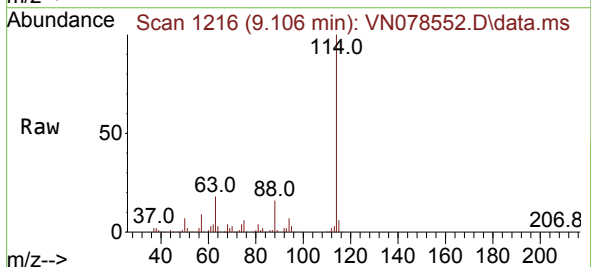
Tgt Ion: 114 Resp: 700602

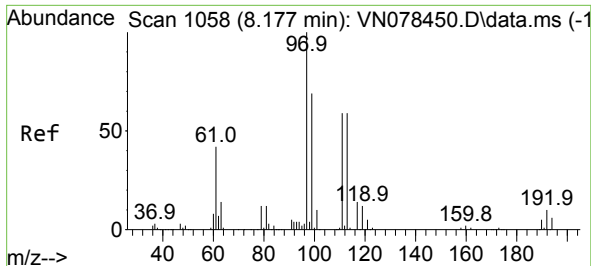
Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.4

88 15.8 0.0 30.6

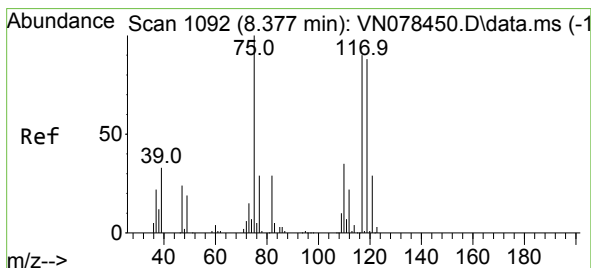
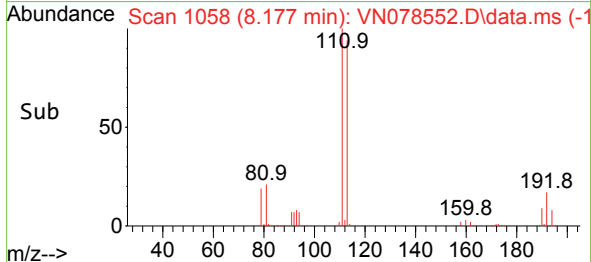
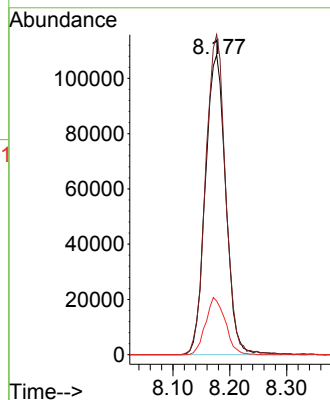
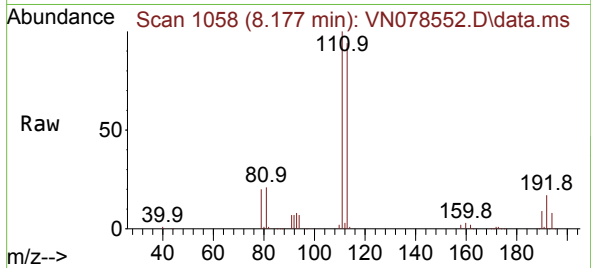




#35
Dibromofluoromethane
Concen: 56.694 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

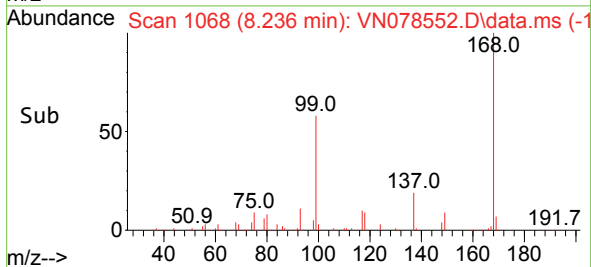
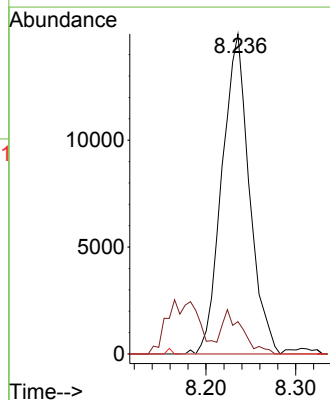
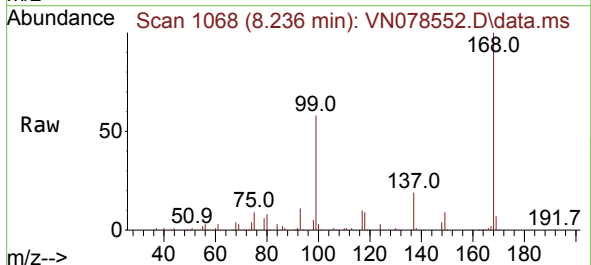
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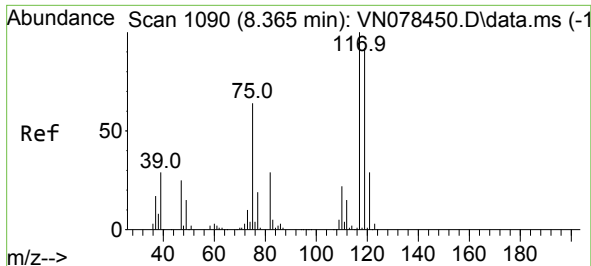
Tgt Ion:113 Resp: 269631
Ion Ratio Lower Upper
113 100
111 104.2 82.6 123.8
192 18.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.616 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

Tgt Ion: 75 Resp: 31696
Ion Ratio Lower Upper
75 100
110 10.2 19.1 57.3#
77 0.0 25.0 37.4#

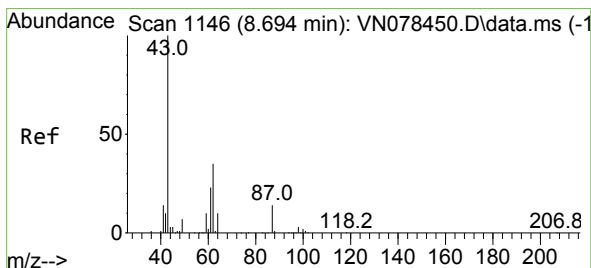
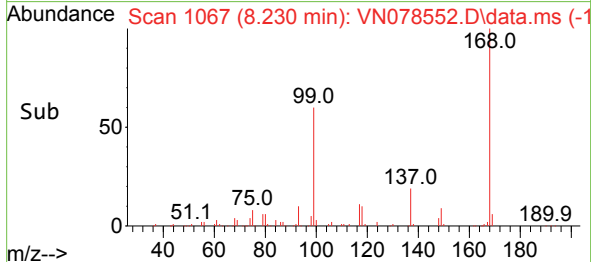
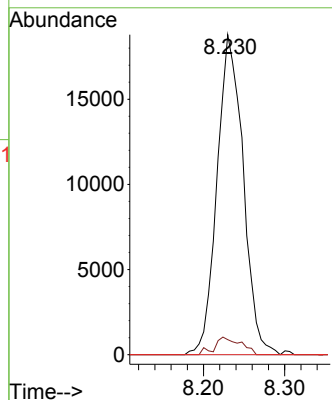
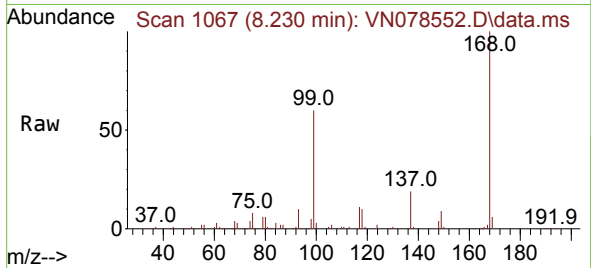




#38
Carbon Tetrachloride
Concen: 5.626 ug/l
RT: 8.230 min Scan# 1158
Delta R.T. -0.135 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

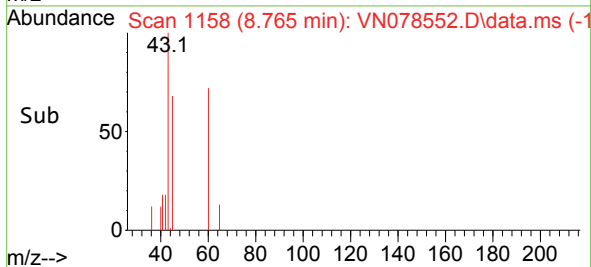
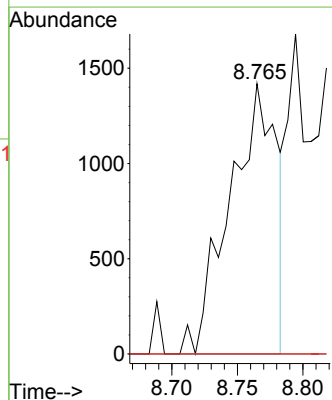
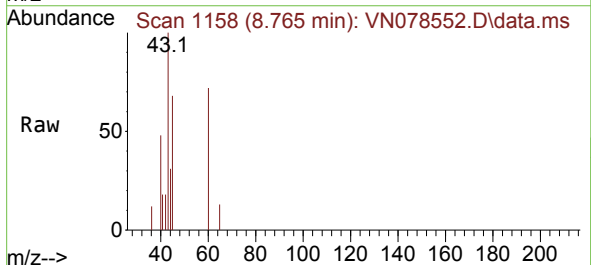
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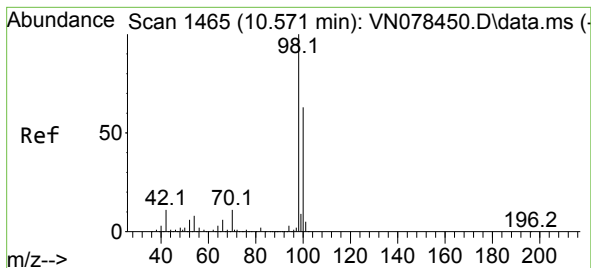
Tgt Ion:117 Resp: 41986
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.374 ug/l
RT: 8.765 min Scan# 1158
Delta R.T. 0.071 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

Tgt Ion: 43 Resp: 3525
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

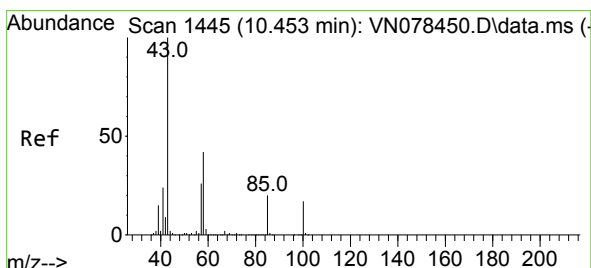
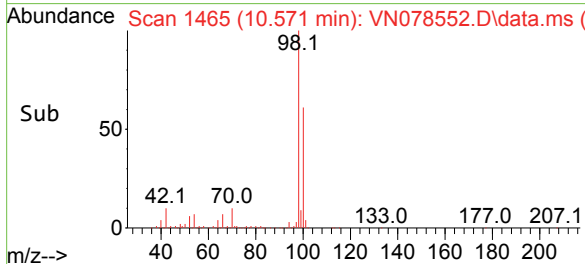
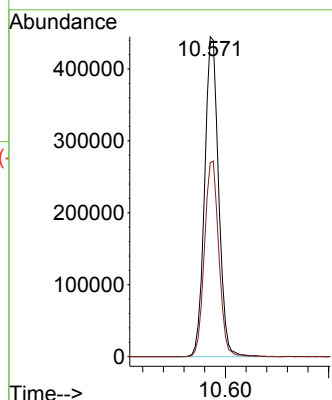
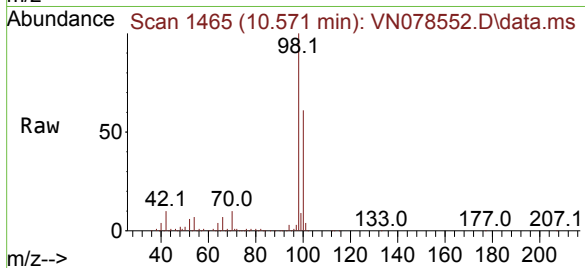




#50
Toluene-d8
Concen: 46.514 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

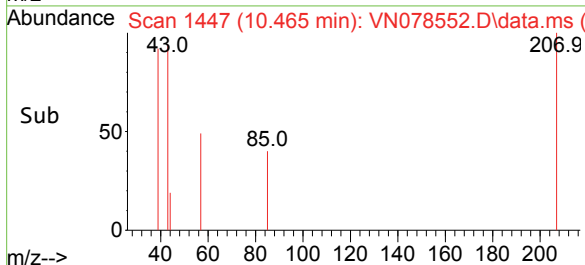
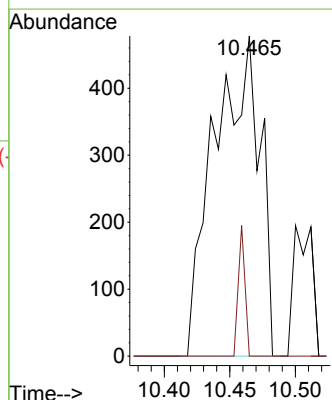
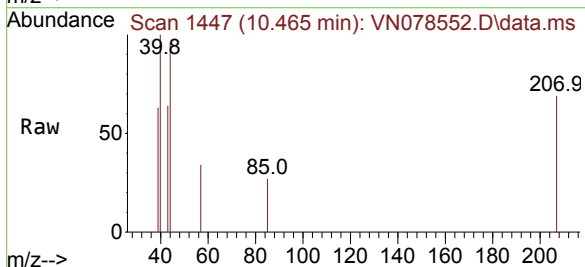
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

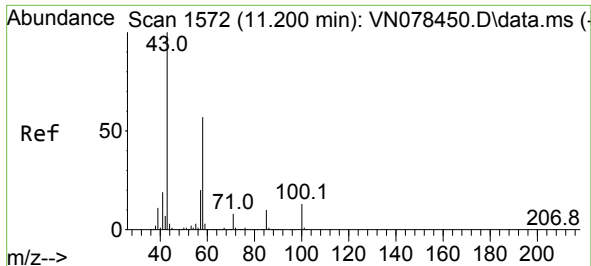
Tgt Ion: 98 Resp: 835689
Ion Ratio Lower Upper
98 100
100 62.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.205 ug/l
RT: 10.465 min Scan# 1447
Delta R.T. 0.012 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

Tgt Ion: 43 Resp: 1151
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#

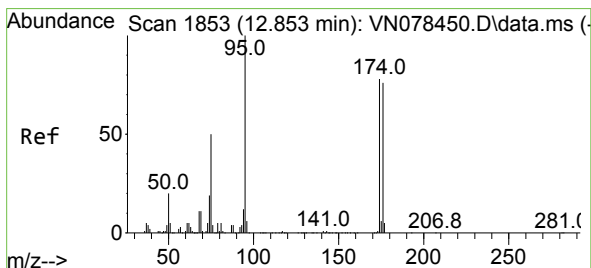
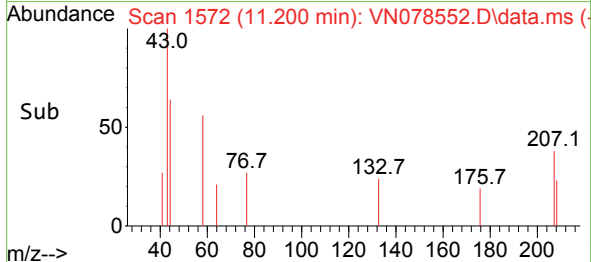
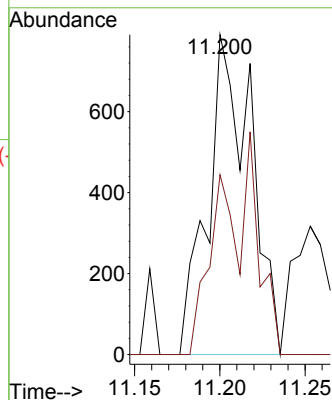
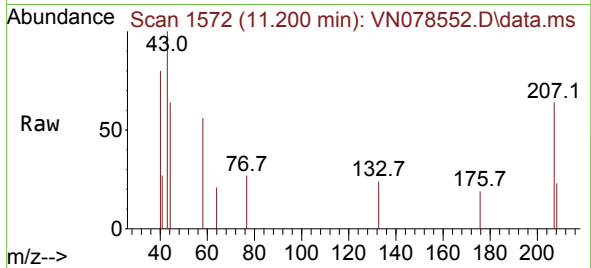




#59
2-Hexanone
Concen: 0.350 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

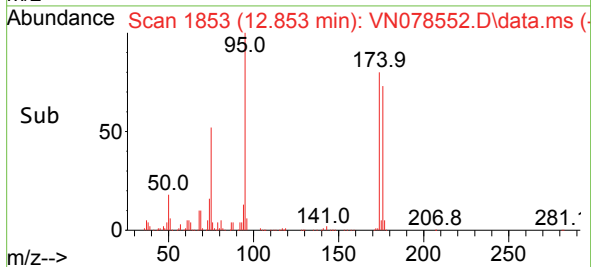
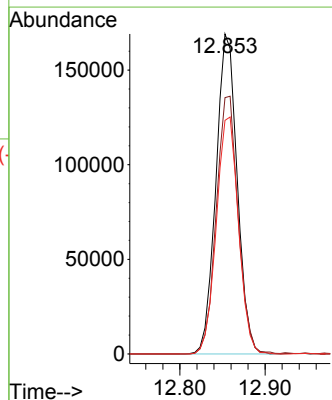
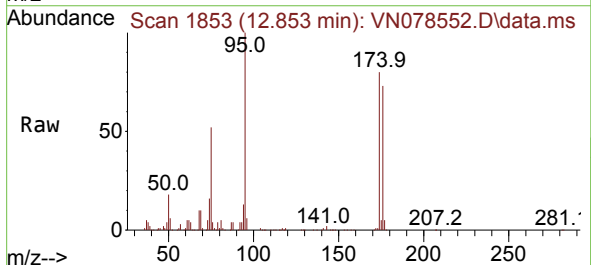
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

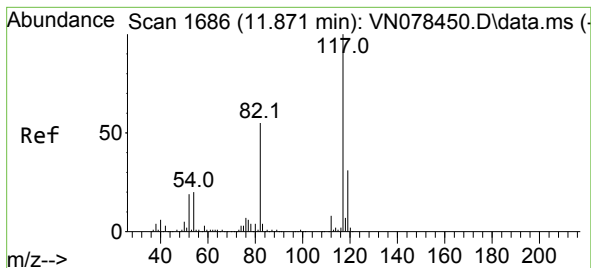
Tgt Ion: 43 Resp: 1393
Ion Ratio Lower Upper
43 100
58 35.0 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 53.030 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

Tgt Ion: 95 Resp: 293471
Ion Ratio Lower Upper
95 100
174 82.9 0.0 143.8
176 77.0 0.0 135.8

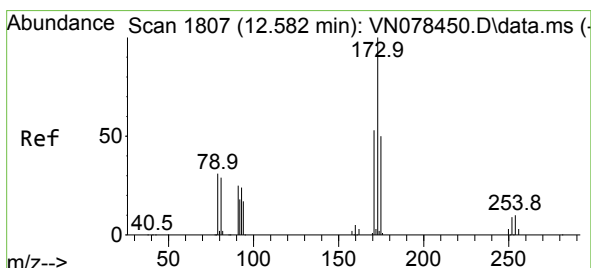
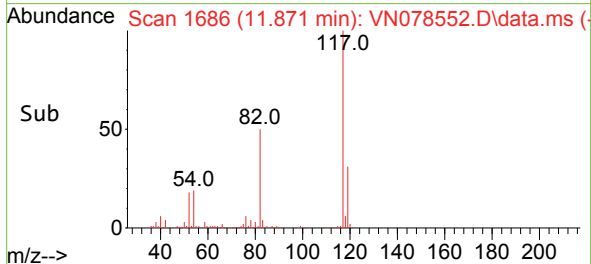
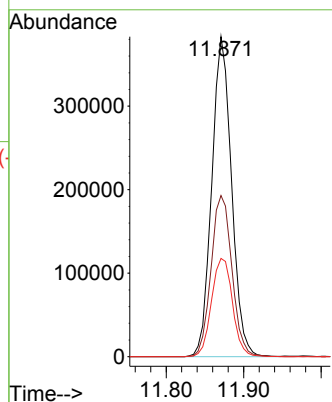
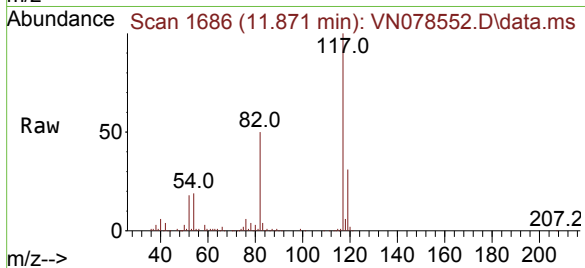




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

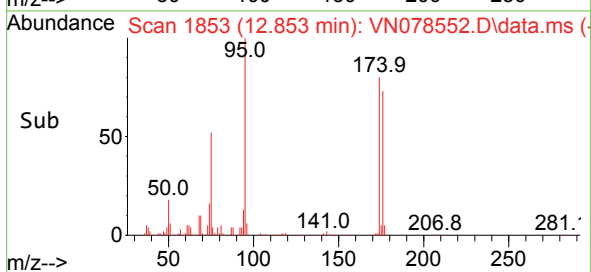
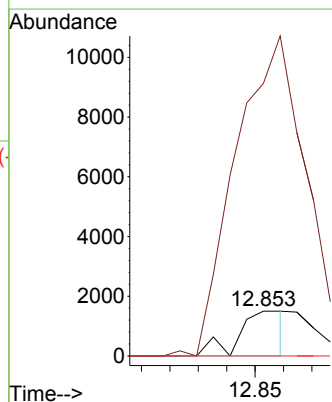
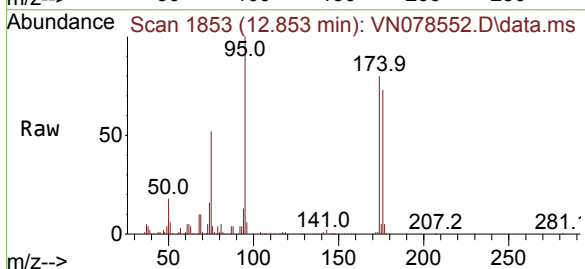
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

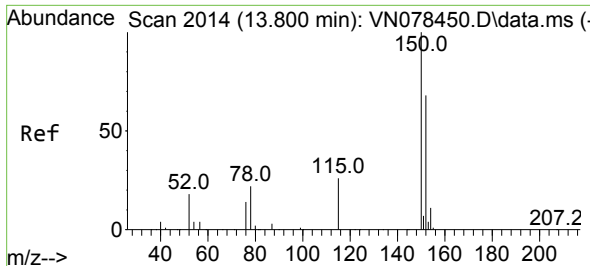
Tgt Ion:117 Resp: 679555
Ion Ratio Lower Upper
117 100
82 50.4 44.0 66.0
119 30.7 25.6 38.4



#71
Bromoform
Concen: 0.434 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

Tgt Ion:173 Resp: 1718
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

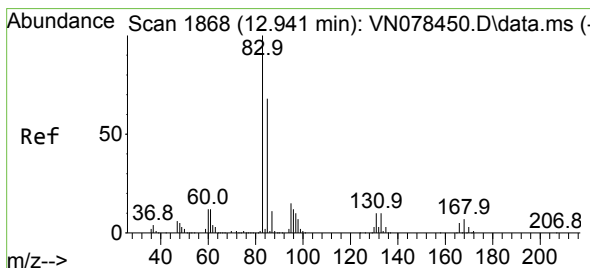
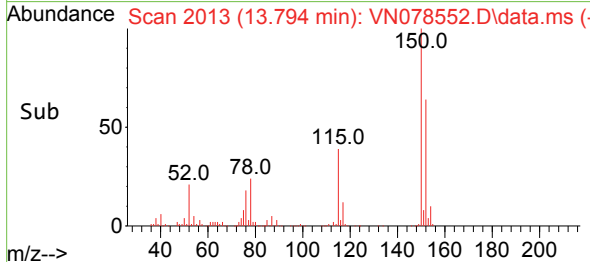
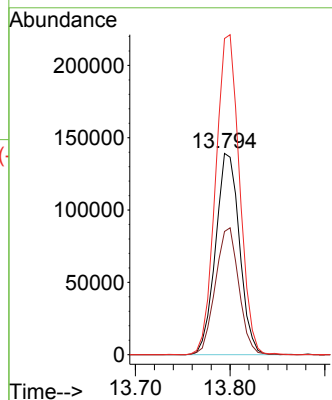
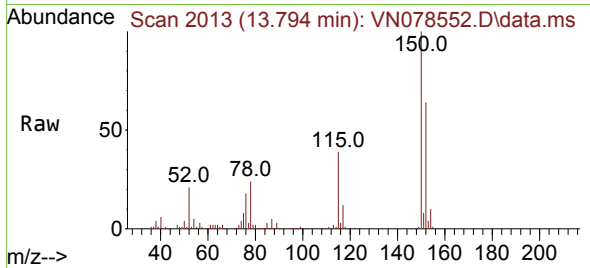




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

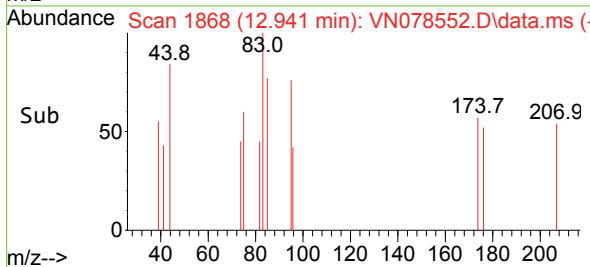
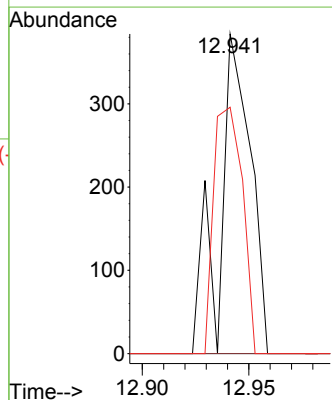
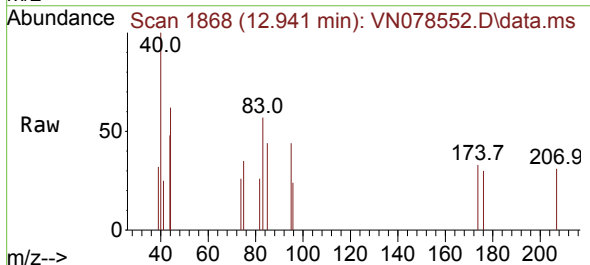
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

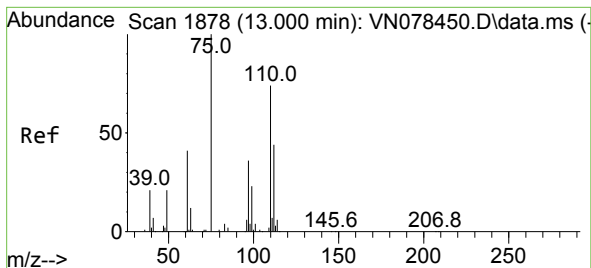
Tgt Ion:152 Resp: 243985
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 158.7 0.0 355.8



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

Tgt Ion: 83 Resp: 390
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 71.5 31.9 95.7





#76

1,2,3-Trichloropropane

Concen: 25.488 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078552.D

Acq: 18 Jul 2023 11:27

Instrument :

MSVOA_N

ClientSampleId :

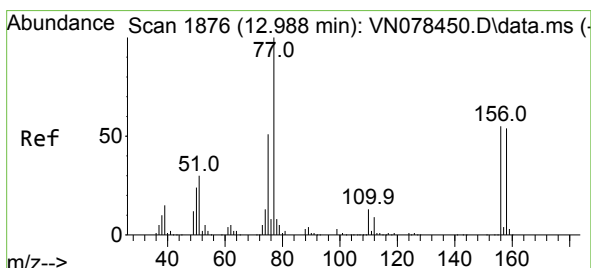
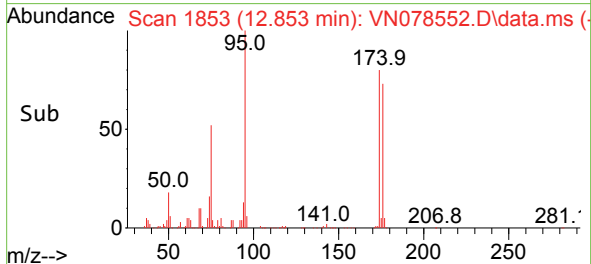
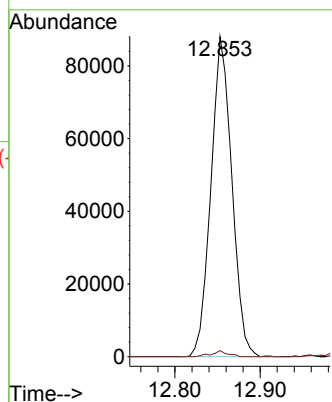
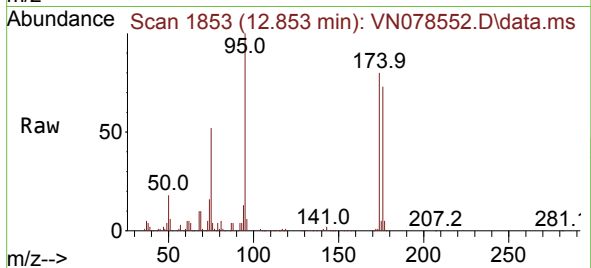
VN0718WBL01

Tgt Ion: 75 Resp: 150315

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#77

Bromobenzene

Concen: Below Cal

RT: 12.994 min Scan# 1877

Delta R.T. 0.006 min

Lab File: VN078552.D

Acq: 18 Jul 2023 11:27

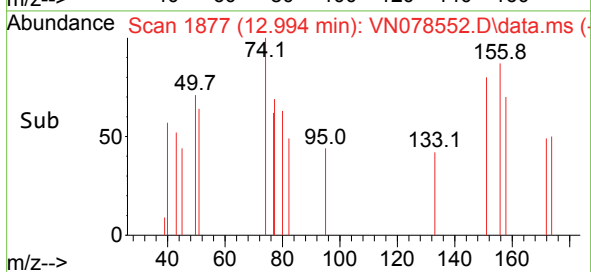
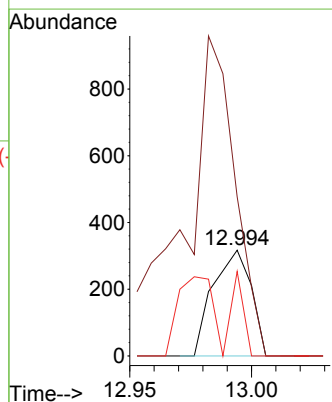
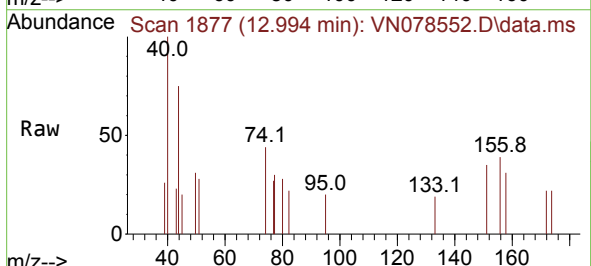
Tgt Ion:156 Resp: 345

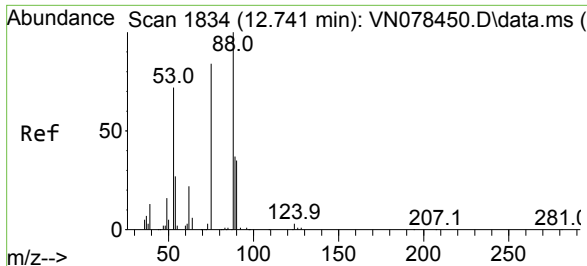
Ion Ratio Lower Upper

156 100

77 405.2 107.7 323.3#

158 94.2 48.4 145.3

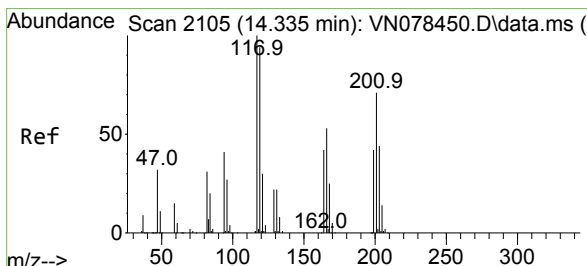
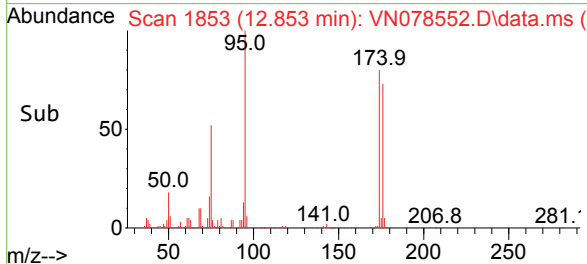
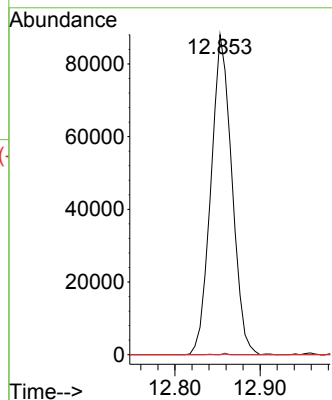
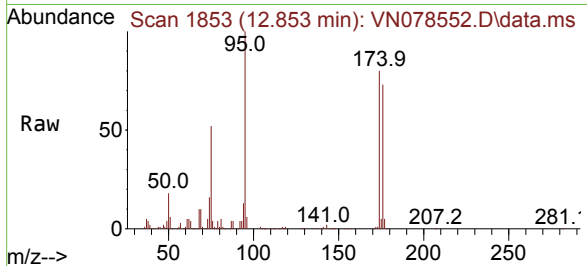




#81
trans-1,4-Dichloro-2-butene
Concen: 66.978 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

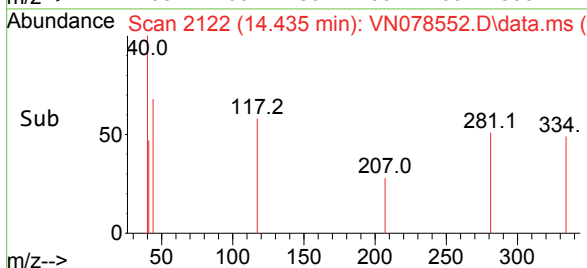
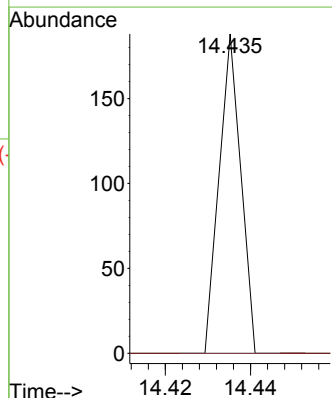
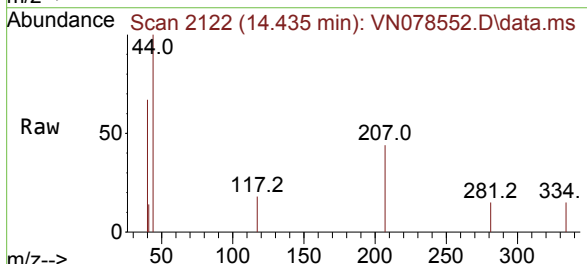
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL01

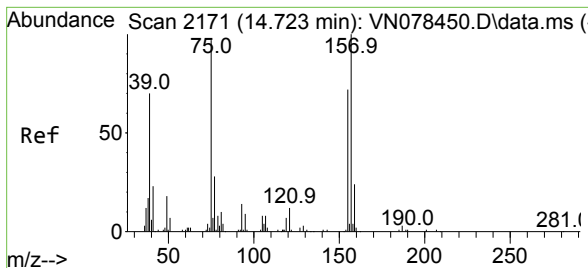
Tgt Ion: 75 Resp: 150315
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#90
Hexachloroethane
Concen: Below Cal
RT: 14.435 min Scan# 2122
Delta R.T. 0.100 min
Lab File: VN078552.D
Acq: 18 Jul 2023 11:27

Tgt Ion: 117 Resp: 66
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#

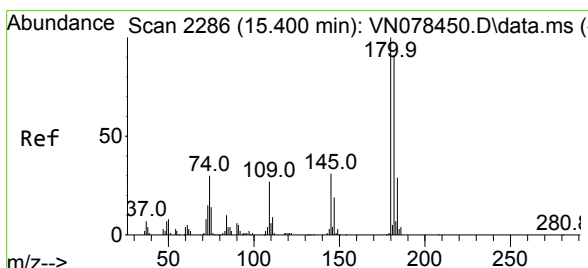
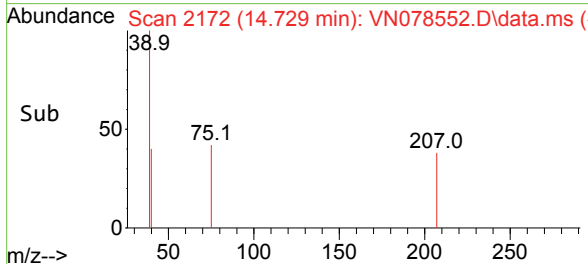
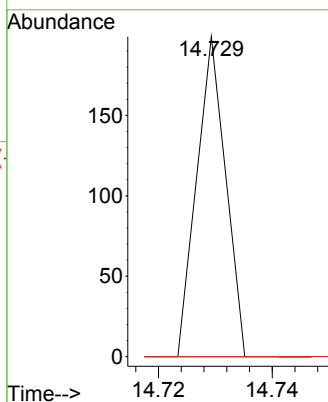
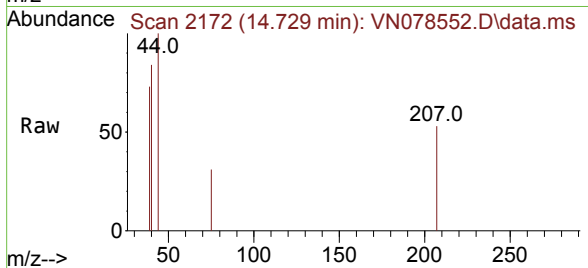




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.729 min Scan# 2171
 Delta R.T. 0.006 min
 Lab File: VN078552.D
 Acq: 18 Jul 2023 11:27

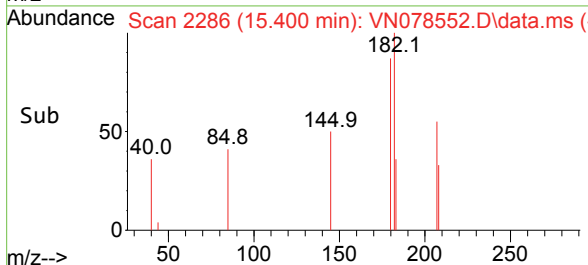
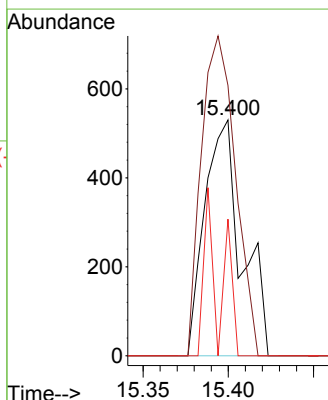
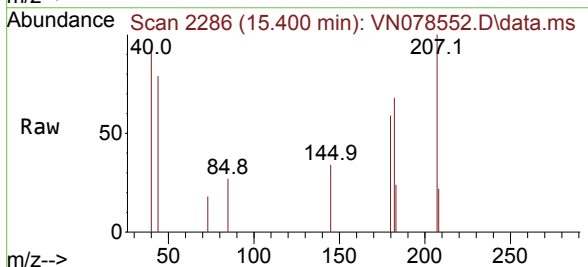
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBL01

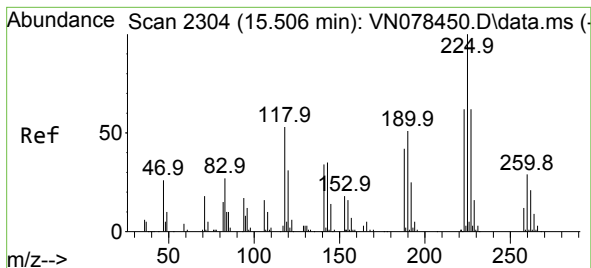
Tgt Ion: 75 Resp: 70
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.2#
 157 0.0 50.3 150.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.285 ug/l
 RT: 15.400 min Scan# 2286
 Delta R.T. -0.000 min
 Lab File: VN078552.D
 Acq: 18 Jul 2023 11:27

Tgt Ion: 180 Resp: 798
 Ion Ratio Lower Upper
 180 100
 182 125.7 46.1 138.2
 145 30.3 16.6 49.8





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.512 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN078552.D

Acq: 18 Jul 2023 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBL01

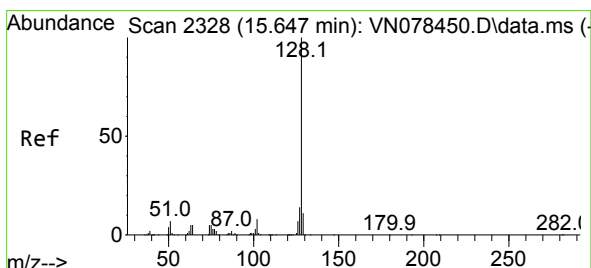
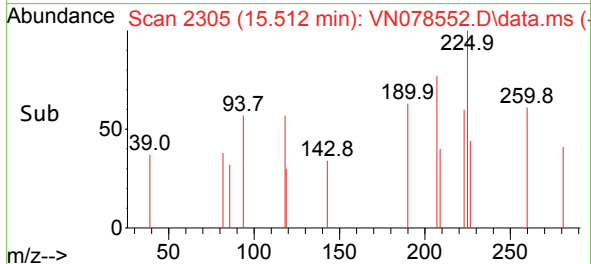
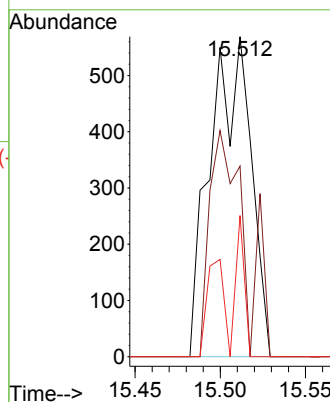
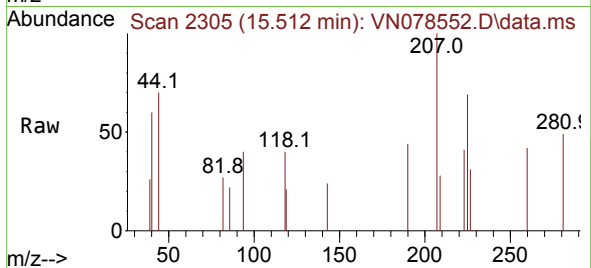
Tgt Ion:225 Resp: 942

Ion Ratio Lower Upper

225 100

223 61.3 31.3 93.8

227 12.5 31.9 95.9#



#95

Naphthalene

Concen: 0.395 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078552.D

Acq: 18 Jul 2023 11:27

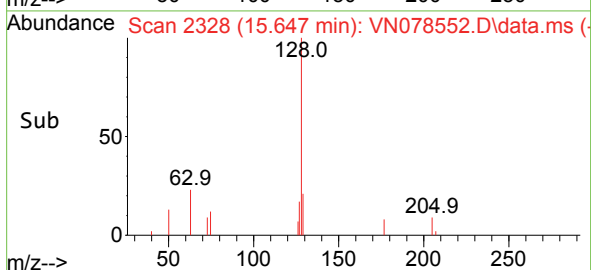
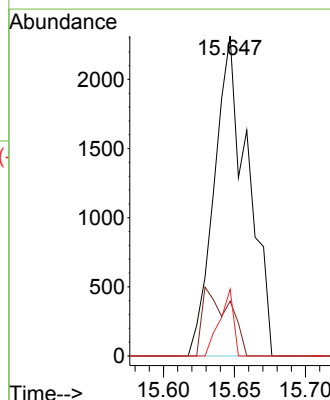
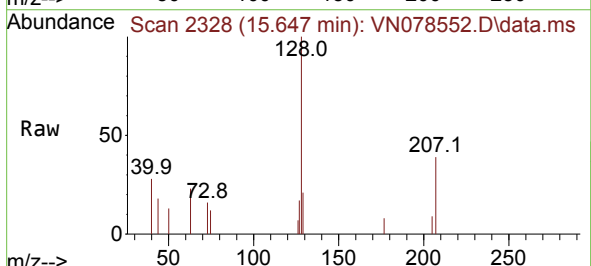
Tgt Ion:128 Resp: 3779

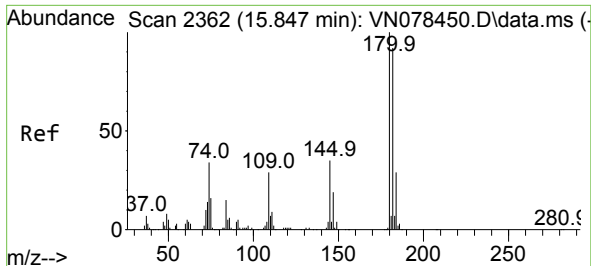
Ion Ratio Lower Upper

128 100

127 17.1 10.0 15.0#

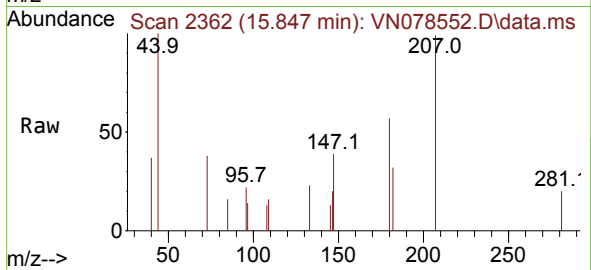
129 8.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.357 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN078552.D
 Acq: 18 Jul 2023 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBL01



Tgt Ion:	180	Resp:	1146
Ion Ratio	Lower	Upper	
180	100		
182	117.1	46.2	138.6
145	20.5	17.5	52.6

