

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
 Data File : VN078433.D
 Acq On : 28 Jun 2023 11:39
 Operator : JC\MD
 Sample : VN0628WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBL01

Quant Time: Jun 29 05:17:12 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)

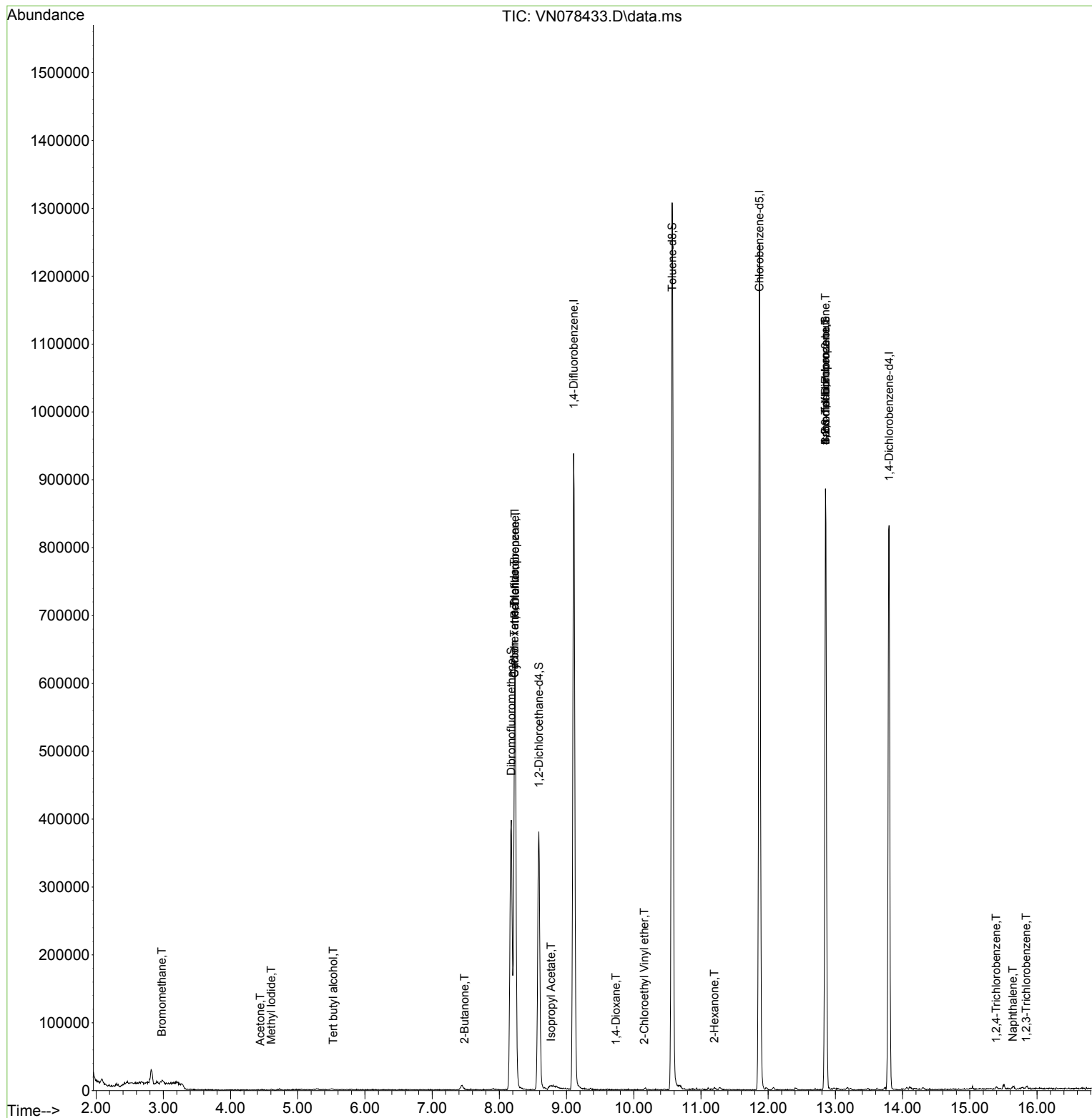
Internal Standards						
1) Pentafluorobenzene	8.230	168	463799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	831662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	746924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	229544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	313358	50.674	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.340%
35) Dibromofluoromethane	8.177	113	297772	56.627	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	113.260%
50) Toluene-d8	10.571	98	967481	47.725	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.440%
62) 4-Bromofluorobenzene	12.853	95	306599	48.651	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1376	Below Cal	#	78
5) Bromomethane	2.977	94	3632	0.700	ug/l	87
10) Methyl Iodide	4.606	142	1742	0.251	ug/l #	79
11) Tert butyl alcohol	5.530	59	232	0.272	ug/l #	72
16) Acetone	4.442	43	545	0.306	ug/l #	40
25) 2-Butanone	7.483	43	568	0.208	ug/l #	37
31) Cyclohexane	8.224	56	11409	1.438	ug/l #	49
36) 1,1-Dichloropropene	8.236	75	37984	5.036	ug/l #	48
38) Carbon Tetrachloride	8.224	117	48964	6.148	ug/l #	15
43) Isopropyl Acetate	8.771	43	5578	0.495	ug/l #	49
49) 1,4-Dioxane	9.735	88	55	0.553	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.159	63	1394	0.441	ug/l #	65
59) 2-Hexanone	11.200	43	1777	0.430	ug/l	66
71) Bromoform	12.853	173	2569	0.677	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	400	Below Cal	#	58
76) 1,2,3-Trichloropropane	12.853	75	160953	29.661	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	160953	91.127	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	1341	0.452	ug/l	91
94) Hexachlorobutadiene	15.512	225	1126	Below Cal		78
95) Naphthalene	15.641	128	4539	0.455	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.841	180	1071	0.323	ug/l	76

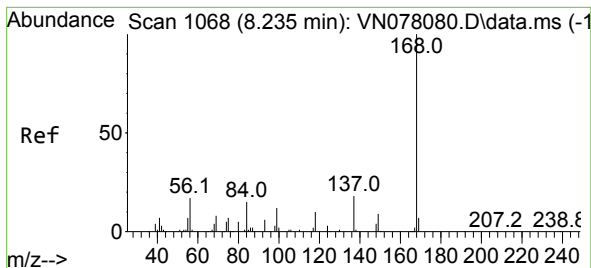
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 07 05:05:00 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN078433.D

Acq: 28 Jun 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

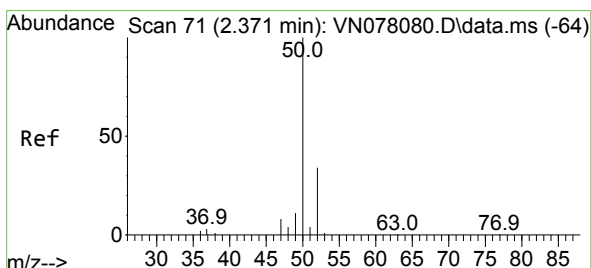
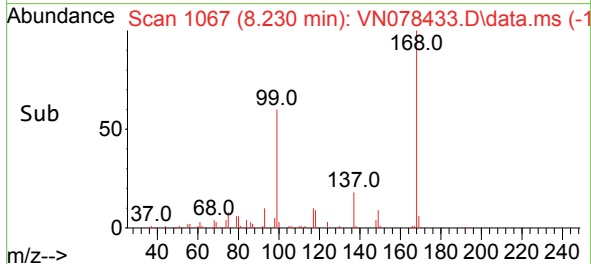
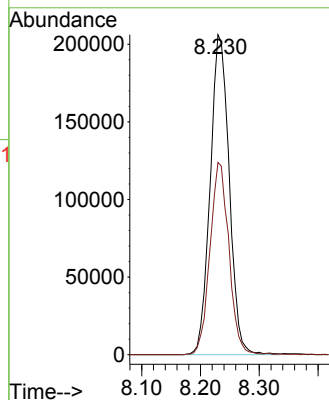
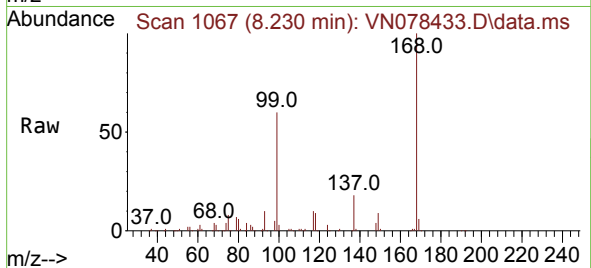
VN0628WBL01

Tgt Ion:168 Resp: 463799

Ion Ratio Lower Upper

168 100

99 60.1 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078433.D

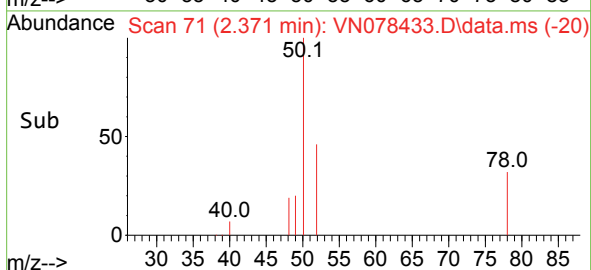
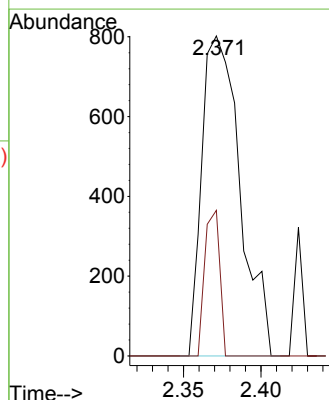
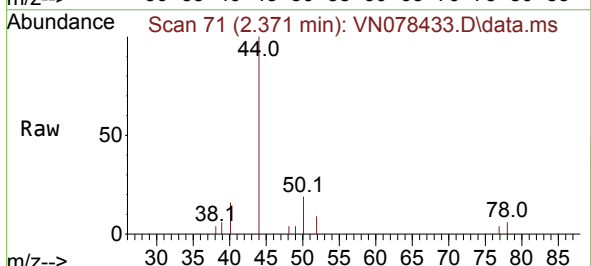
Acq: 28 Jun 2023 11:39

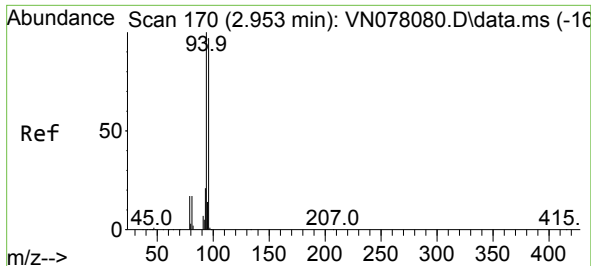
Tgt Ion: 50 Resp: 1376

Ion Ratio Lower Upper

50 100

52 45.5 26.5 39.7#

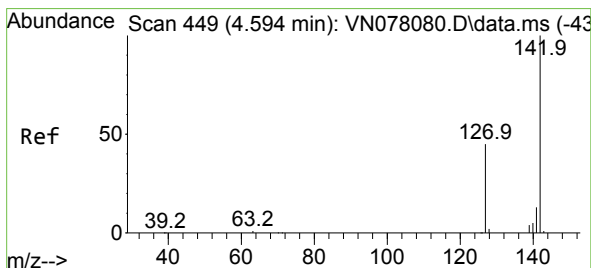
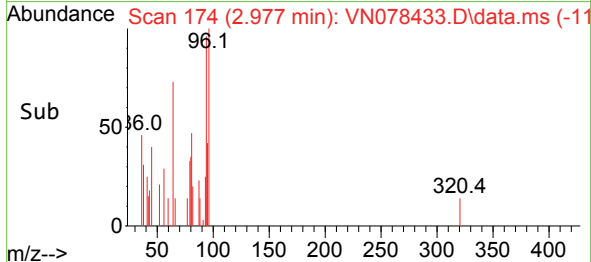
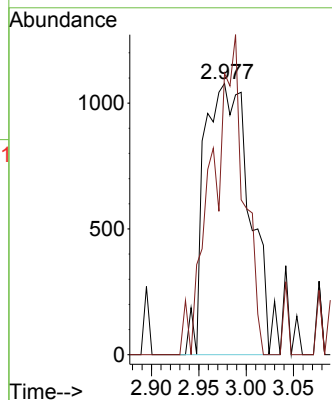
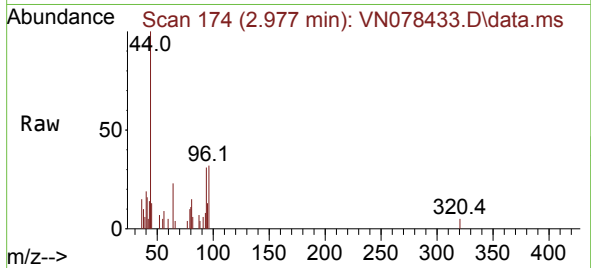




#5
Bromomethane
Concen: 0.700 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

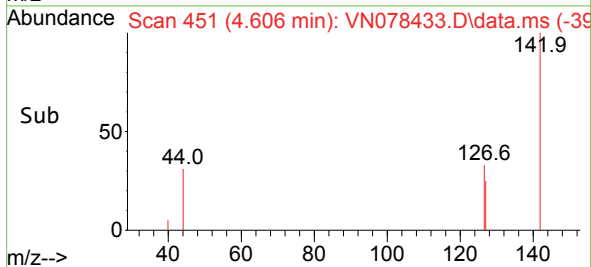
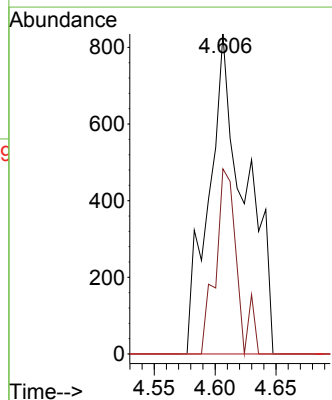
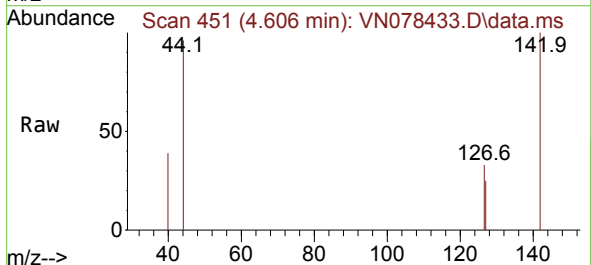
Instrument :
MSVOA_N
ClientSampleId :
VN0628WBL01

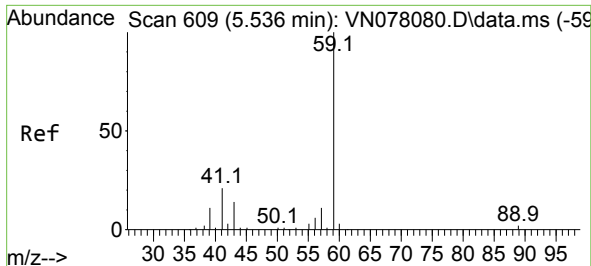
Tgt Ion: 94 Resp: 3632
Ion Ratio Lower Upper
94 100
96 103.8 73.1 109.7



#10
Methyl Iodide
Concen: 0.251 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

Tgt Ion: 142 Resp: 1742
Ion Ratio Lower Upper
142 100
127 57.8 37.6 56.4#
141 0.0 11.4 17.0#

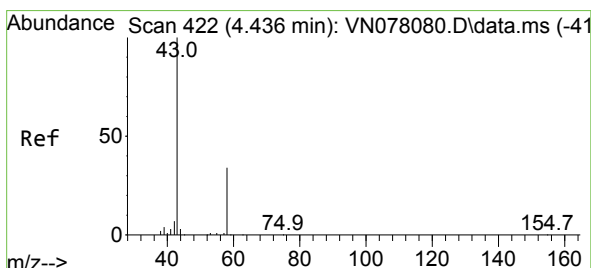
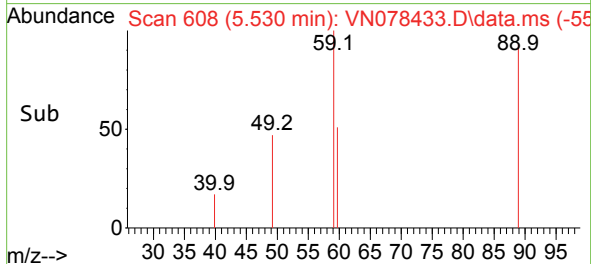
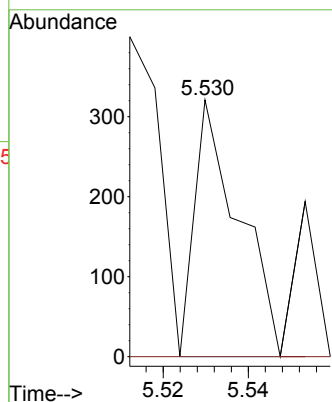
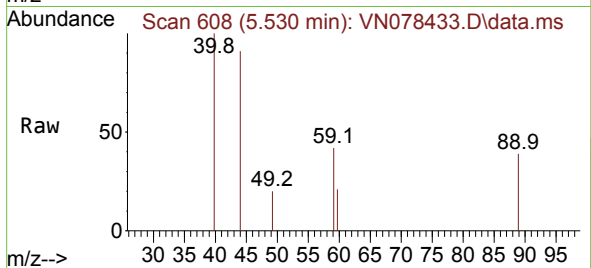




#11
Tert butyl alcohol
Concen: 0.272 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

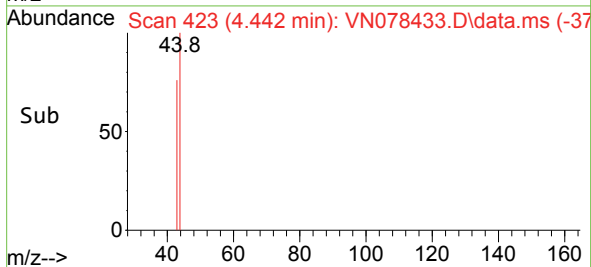
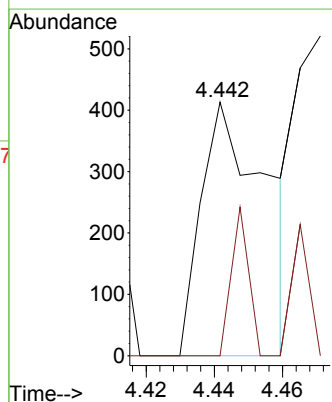
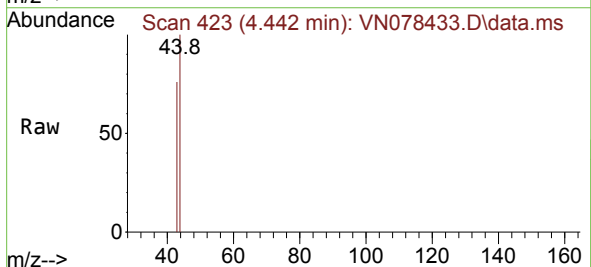
Instrument :
MSVOA_N
ClientSampleId :
VN0628WBL01

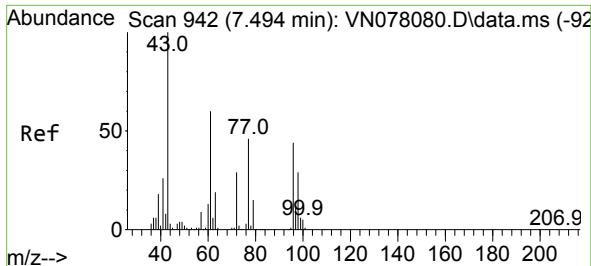
Tgt Ion: 59 Resp: 232
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.306 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

Tgt Ion: 43 Resp: 545
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

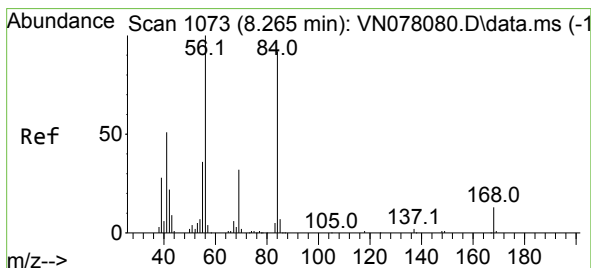
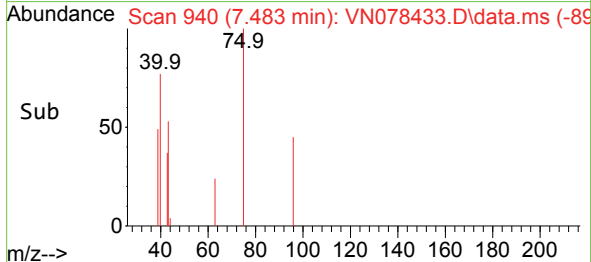
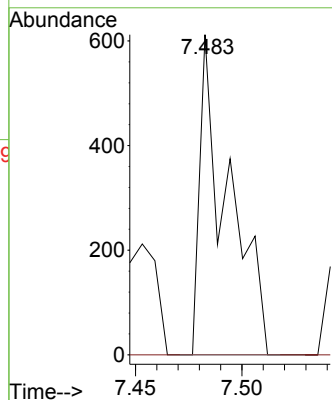
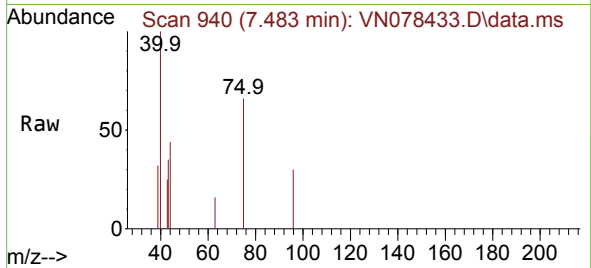




#25
2-Butanone
Concen: 0.208 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.012 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

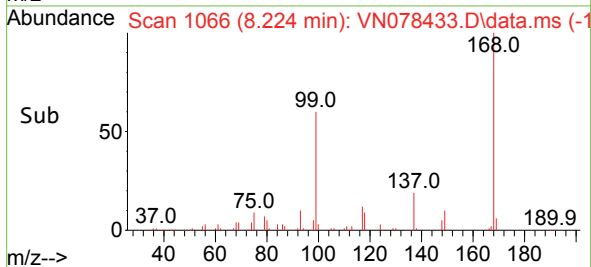
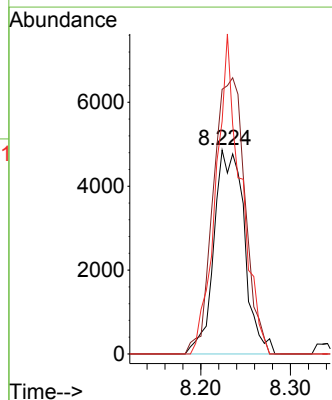
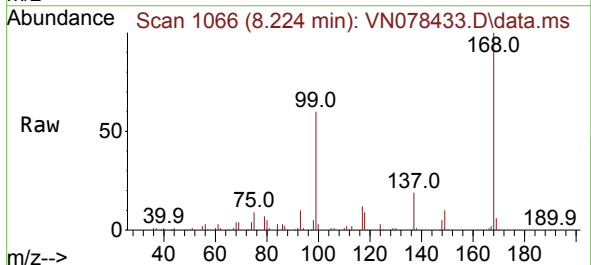
Instrument :
MSVOA_N
ClientSampleId :
VN0628WBL01

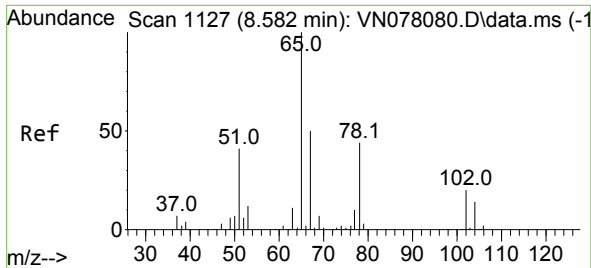
Tgt Ion: 43 Resp: 568
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.438 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

Tgt Ion: 56 Resp: 11409
Ion Ratio Lower Upper
56 100
69 129.8 26.8 40.2#
84 114.1 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 50.674 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078433.D

Acq: 28 Jun 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

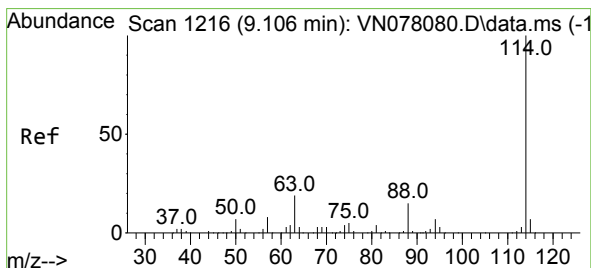
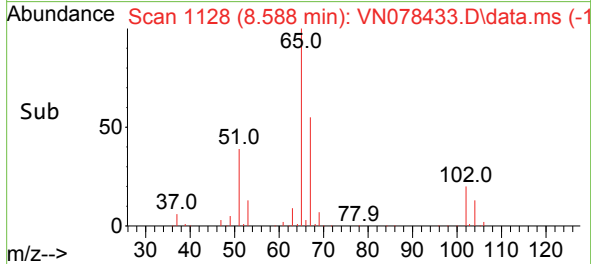
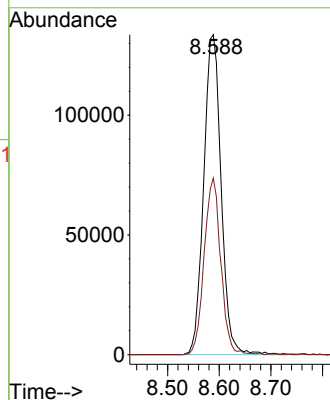
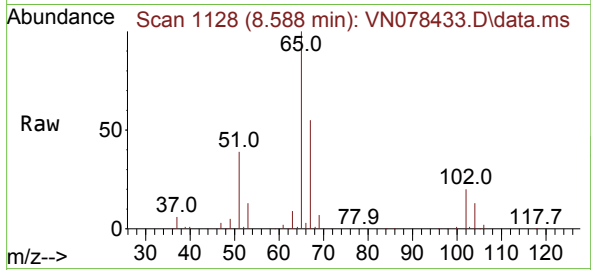
VN0628WBL01

Tgt Ion: 65 Resp: 313358

Ion Ratio Lower Upper

65 100

67 52.7 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: VN078433.D

Acq: 28 Jun 2023 11:39

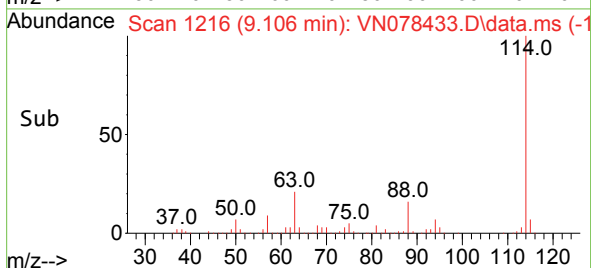
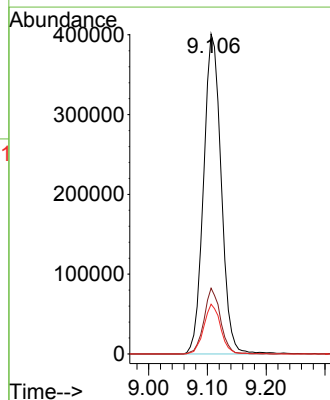
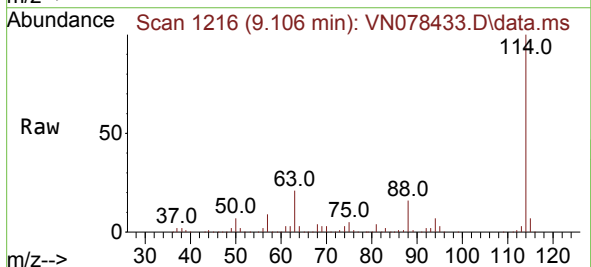
Tgt Ion: 114 Resp: 831662

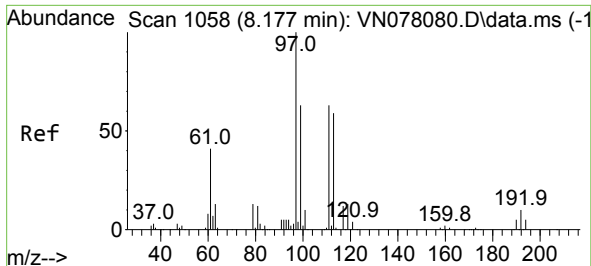
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

88 15.5 0.0 30.6

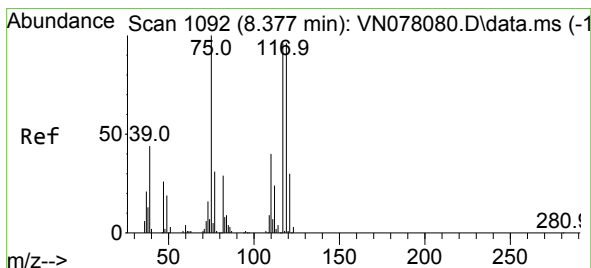
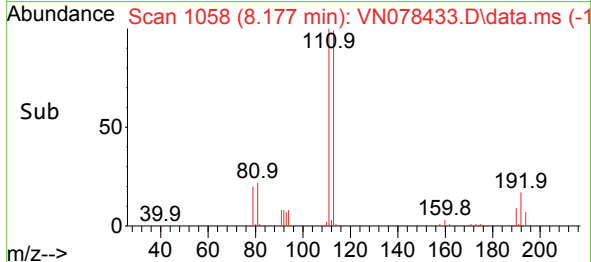
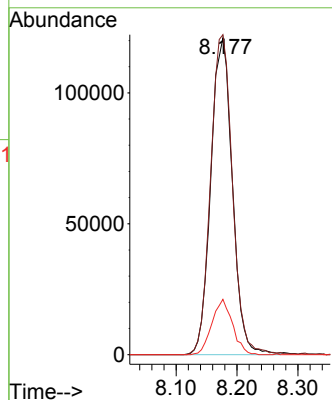
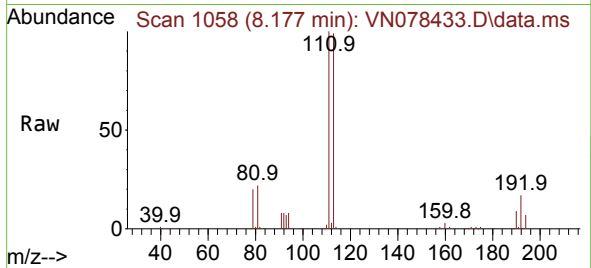




#35
 Dibromofluoromethane
 Concen: 56.627 ug/l
 RT: 8.177 min Scan# 1058
 Delta R.T. 0.000 min
 Lab File: VN078433.D
 Acq: 28 Jun 2023 11:39

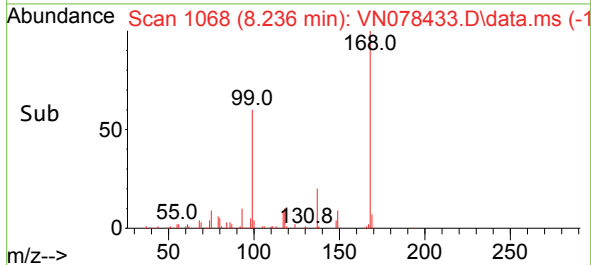
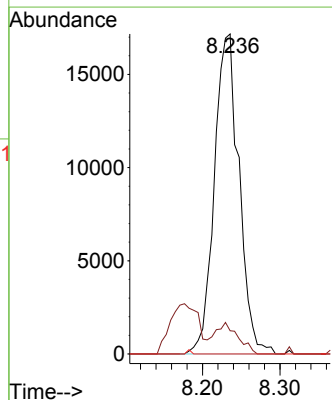
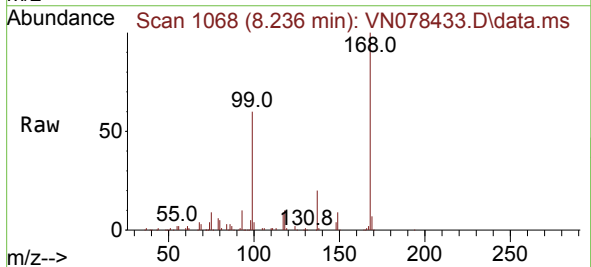
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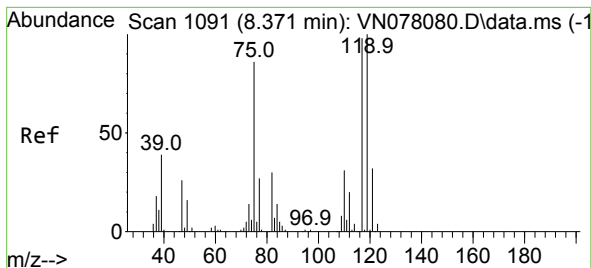
Tgt Ion:113 Resp: 297772
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 16.7 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 5.036 ug/l
 RT: 8.236 min Scan# 1068
 Delta R.T. -0.141 min
 Lab File: VN078433.D
 Acq: 28 Jun 2023 11:39

Tgt Ion: 75 Resp: 37984
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.1 57.3#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.148 ug/l

RT: 8.224 min Scan# 1109

Delta R.T. -0.147 min

Lab File: VN078433.D

Acq: 28 Jun 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBL01

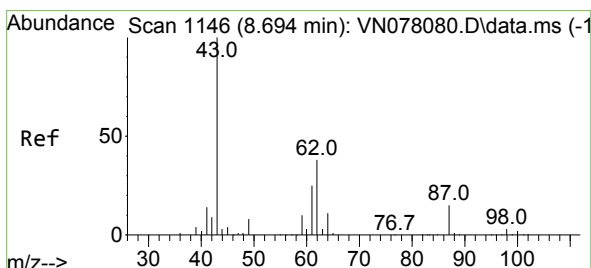
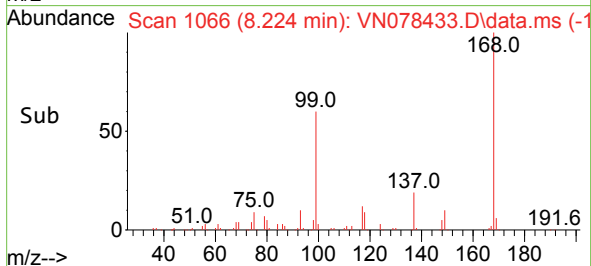
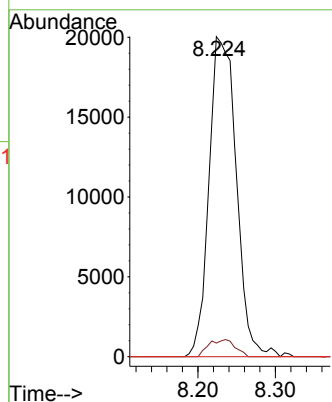
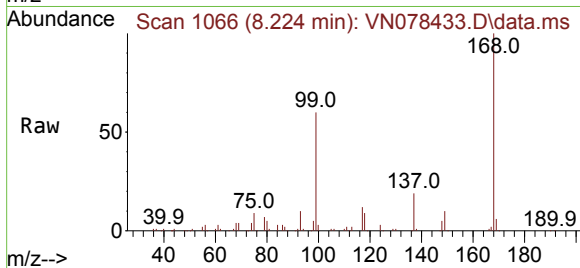
Tgt Ion:117 Resp: 48964

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.495 ug/l

RT: 8.771 min Scan# 1159

Delta R.T. 0.077 min

Lab File: VN078433.D

Acq: 28 Jun 2023 11:39

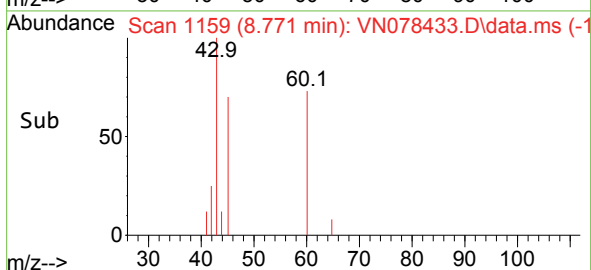
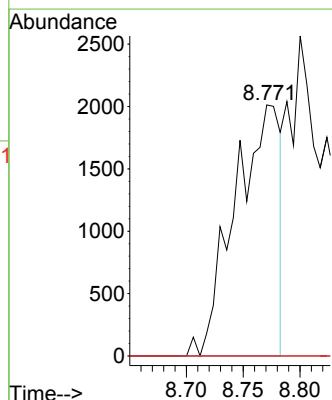
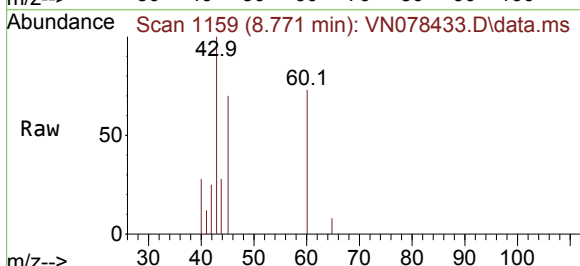
Tgt Ion: 43 Resp: 5578

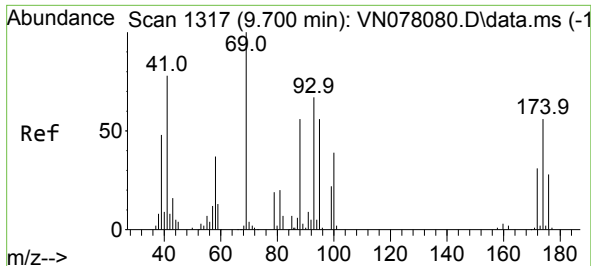
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#





#49

1,4-Dioxane

Concen: 0.553 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN078433.D

Acq: 28 Jun 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBL01

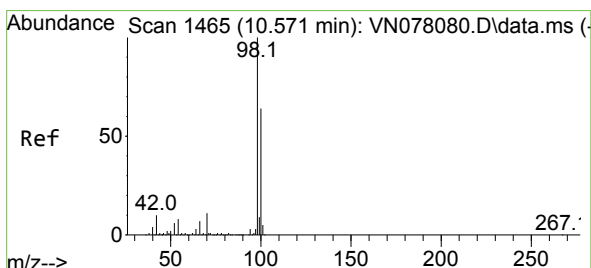
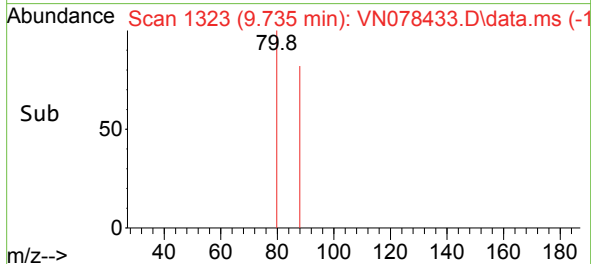
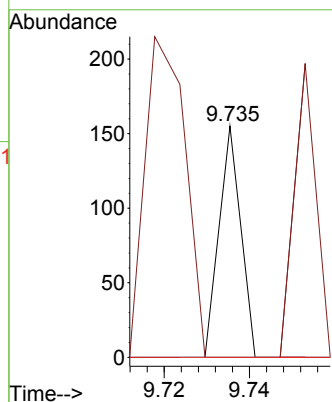
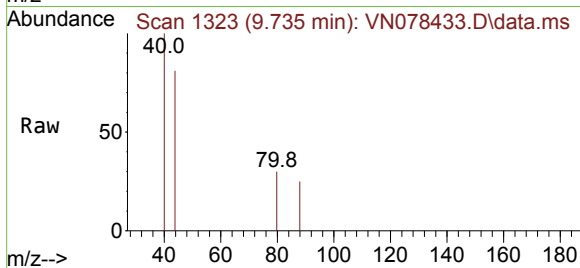
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 254.5 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 47.725 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078433.D

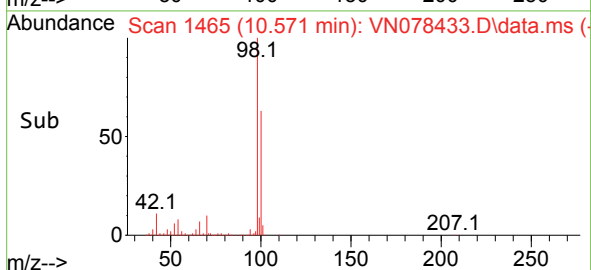
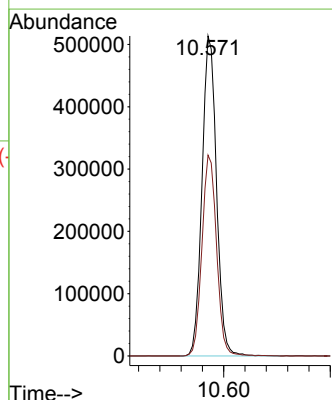
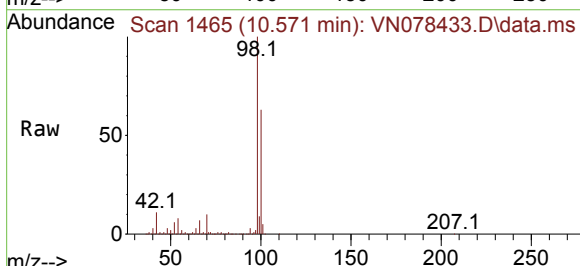
Acq: 28 Jun 2023 11:39

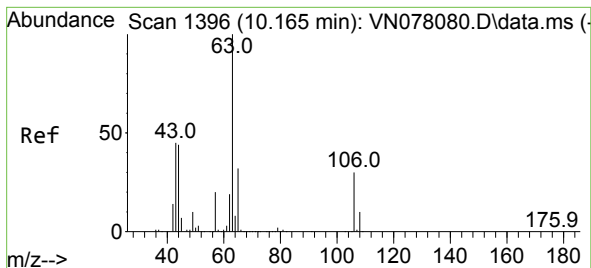
Tgt Ion: 98 Resp: 967481

Ion Ratio Lower Upper

98 100

100 63.4 52.0 78.0

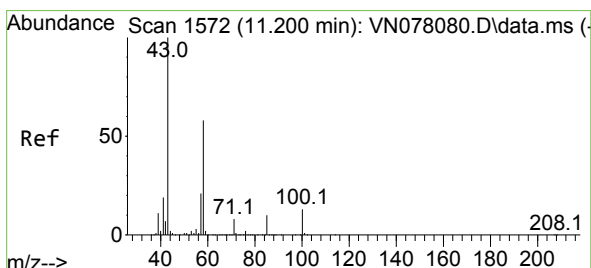
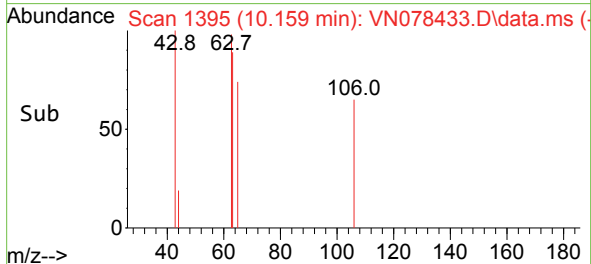
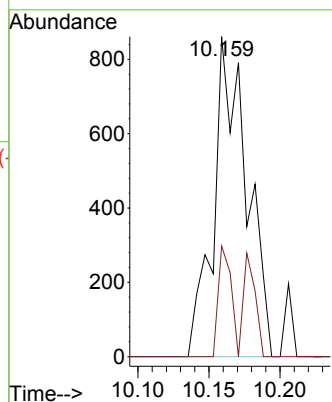
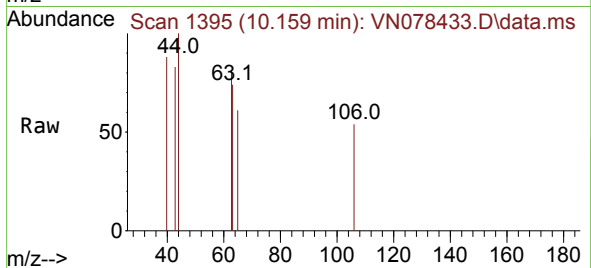




#58
2-Chloroethyl Vinyl ether
Concen: 0.441 ug/l
RT: 10.159 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

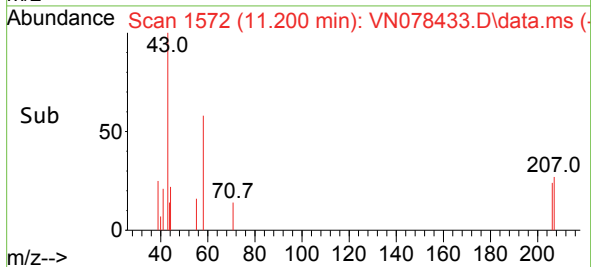
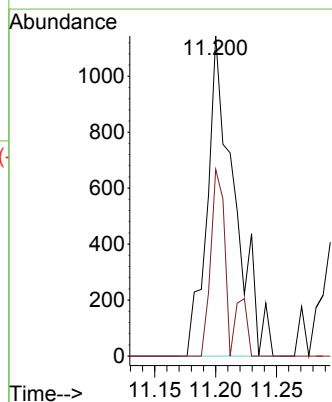
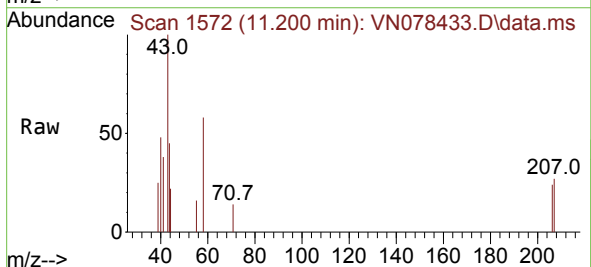
Instrument :
MSVOA_N
ClientSampleId :
VN0628WBL01

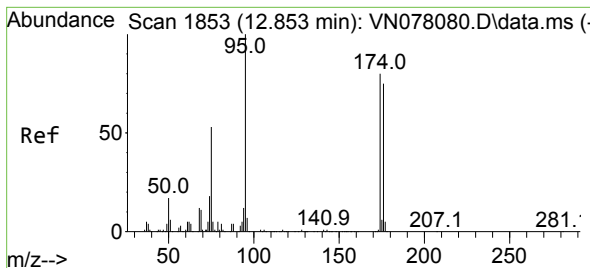
Tgt Ion: 63 Resp: 1394
Ion Ratio Lower Upper
63 100
106 13.3 26.2 39.4#



#59
2-Hexanone
Concen: 0.430 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

Tgt Ion: 43 Resp: 1777
Ion Ratio Lower Upper
43 100
58 36.7 31.7 95.1

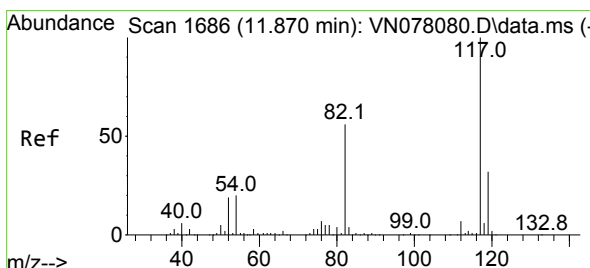
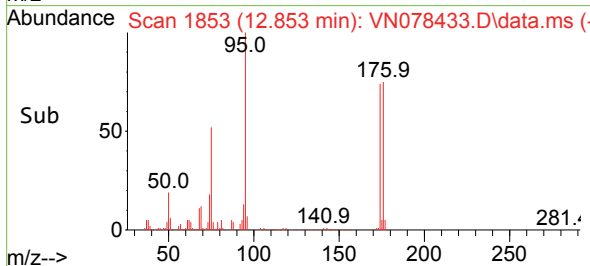
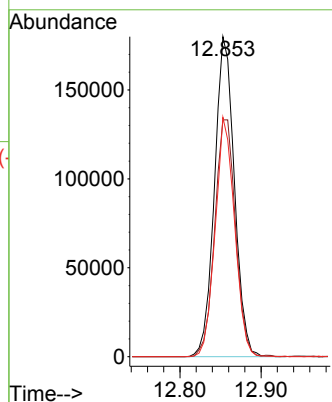
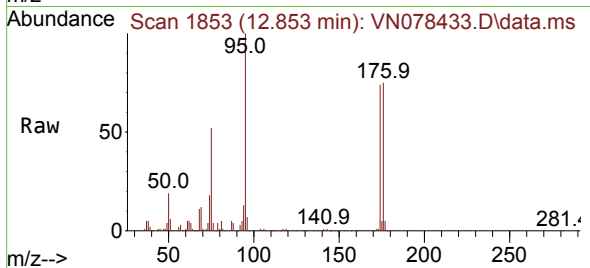




#62
4-Bromofluorobenzene
Concen: 48.651 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

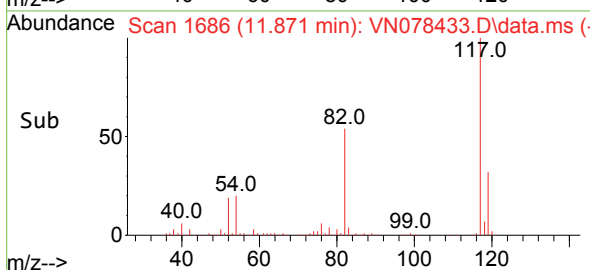
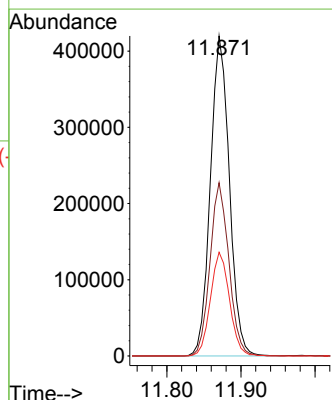
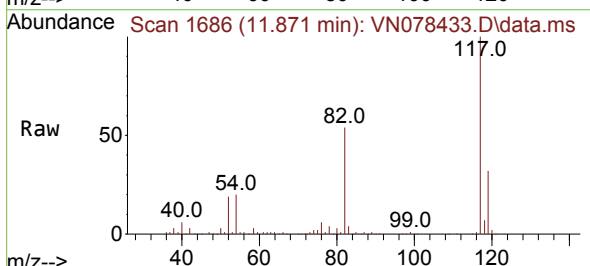
Instrument :
MSVOA_N
ClientSampleId :
VN0628WBL01

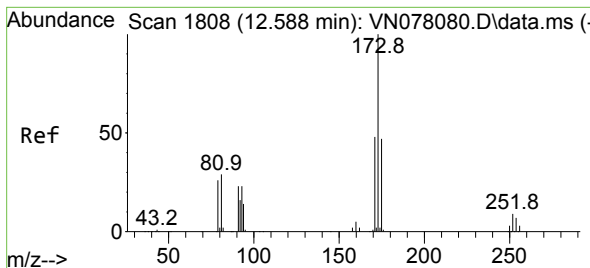
Tgt Ion: 95 Resp: 306599
Ion Ratio Lower Upper
95 100
174 77.3 0.0 143.8
176 72.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

Tgt Ion: 117 Resp: 746924
Ion Ratio Lower Upper
117 100
82 54.2 44.0 66.0
119 32.4 25.6 38.4





#71

Bromoform

Concen: 0.677 ug/l

RT: 12.853 min Scan# 1808

Delta R.T. 0.265 min

Lab File: VN078433.D

Acq: 28 Jun 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBL01

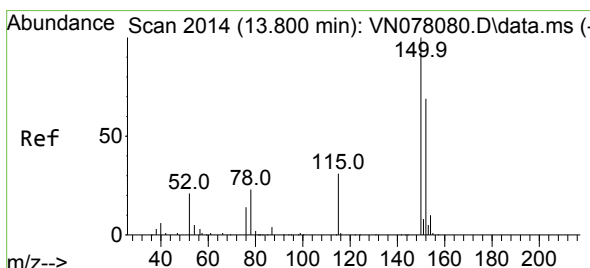
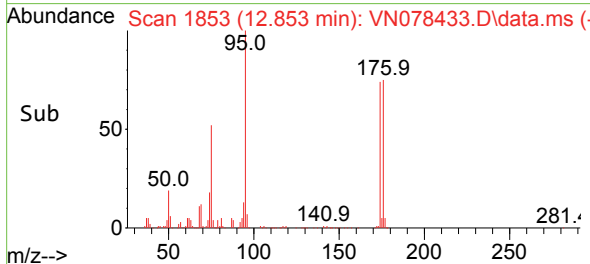
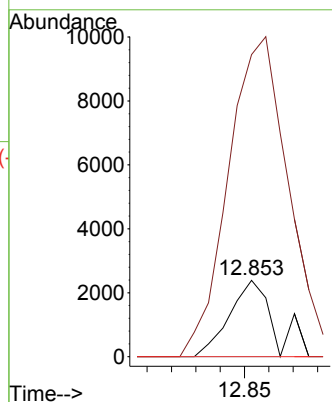
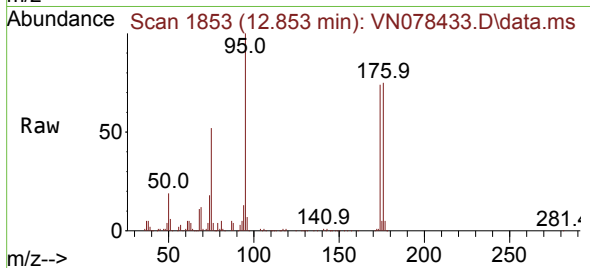
Tgt Ion:173 Resp: 2569

Ion Ratio Lower Upper

173 100

175 566.9 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: VN078433.D

Acq: 28 Jun 2023 11:39

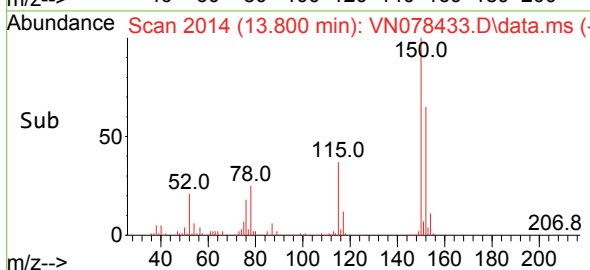
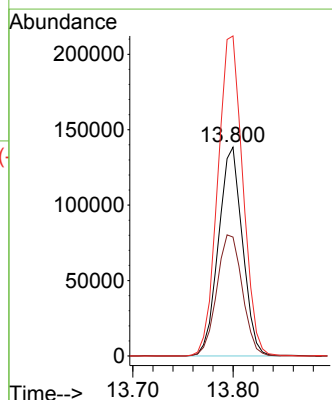
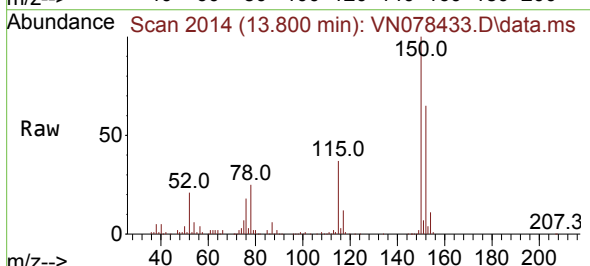
Tgt Ion:152 Resp: 229544

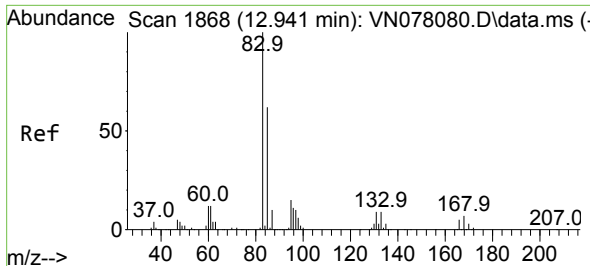
Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 160.3 0.0 355.8

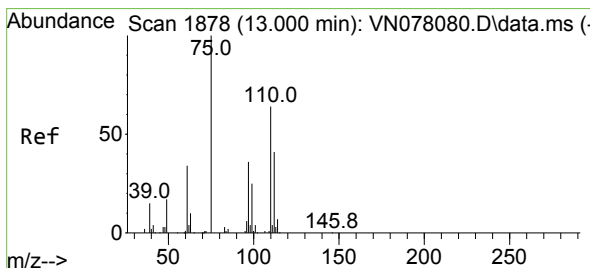
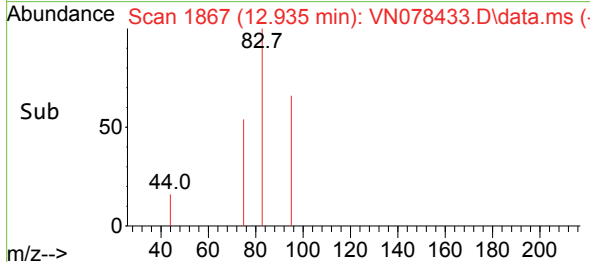
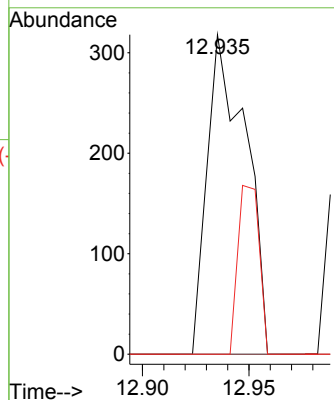
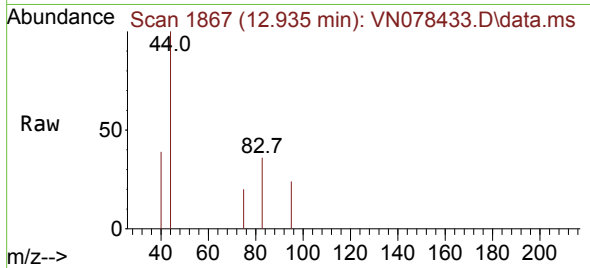




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

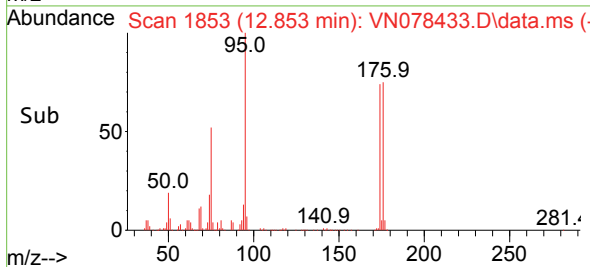
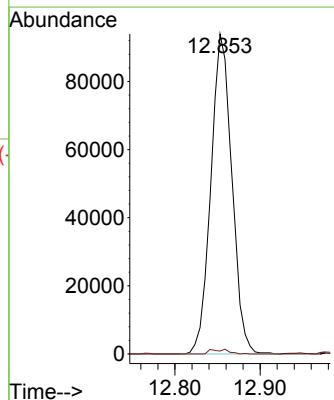
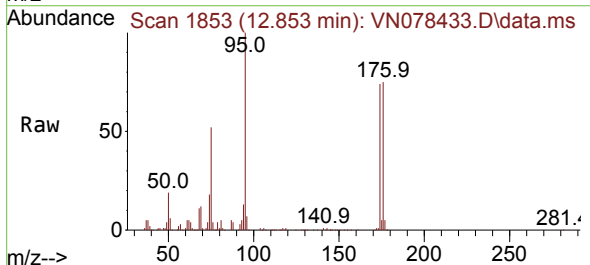
Instrument :
MSVOA_N
ClientSampleId :
VN0628WBL01

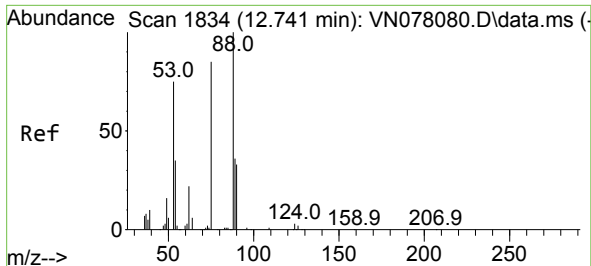
Tgt Ion: 83 Resp: 400
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 29.3 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 29.661 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

Tgt Ion: 75 Resp: 160953
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#

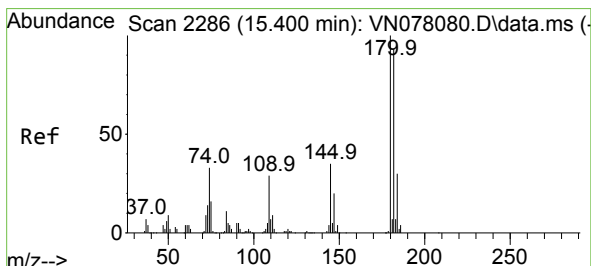
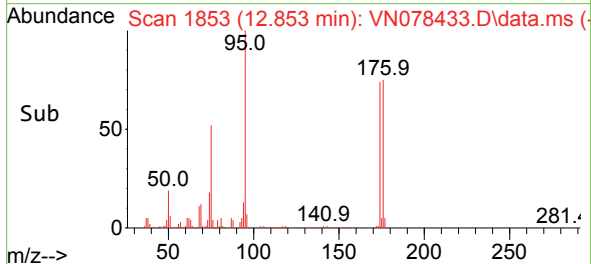
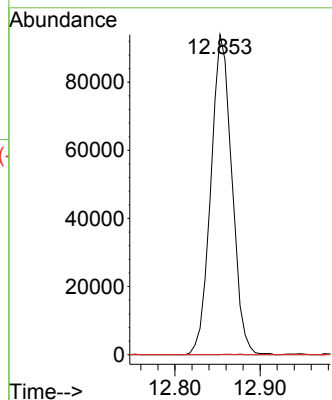
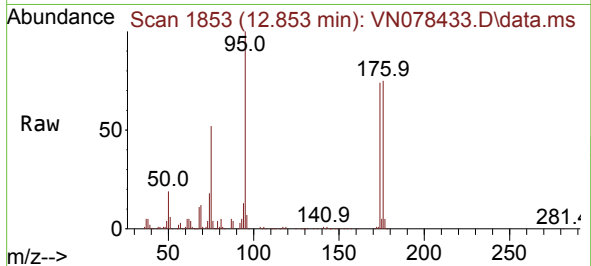




#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.127 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078433.D
 Acq: 28 Jun 2023 11:39

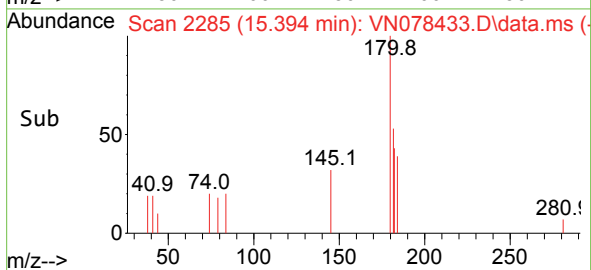
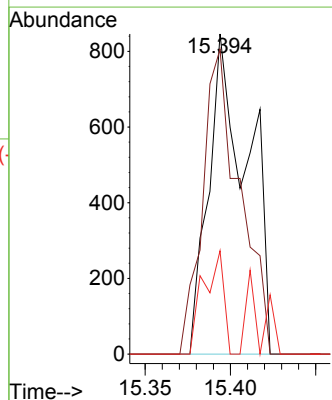
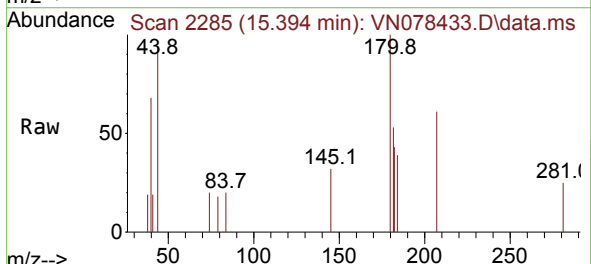
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBL01

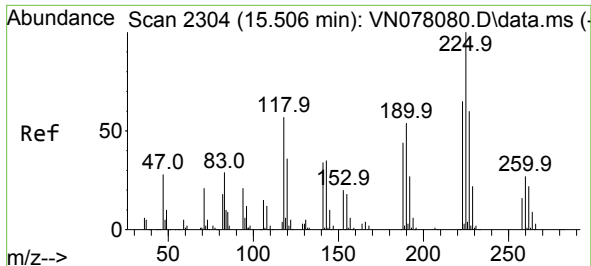
Tgt Ion: 75 Resp: 160953
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.452 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. -0.006 min
 Lab File: VN078433.D
 Acq: 28 Jun 2023 11:39

Tgt Ion: 180 Resp: 1341
 Ion Ratio Lower Upper
 180 100
 182 90.8 46.1 138.2
 145 16.9 16.6 49.8

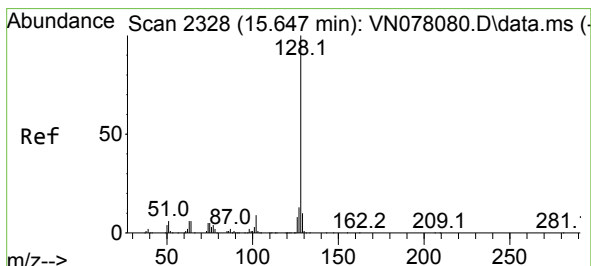
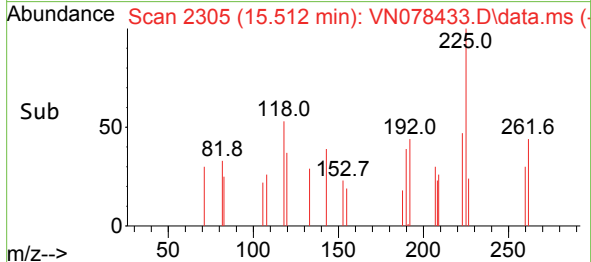
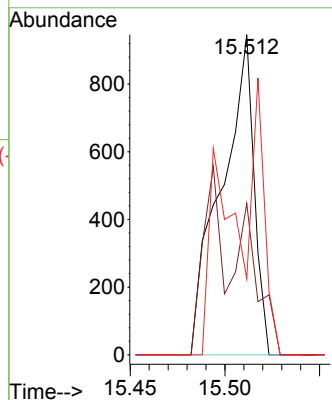
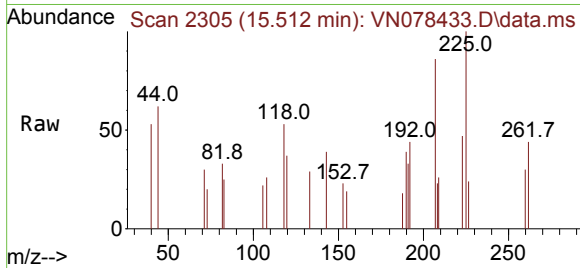




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.512 min Scan# 211
Delta R.T. 0.006 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

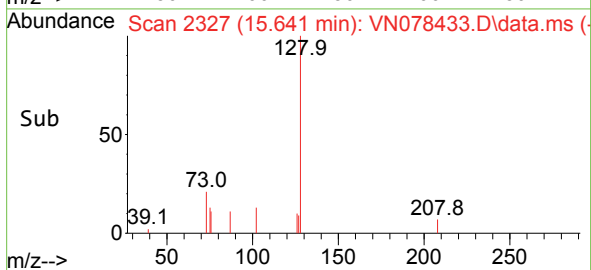
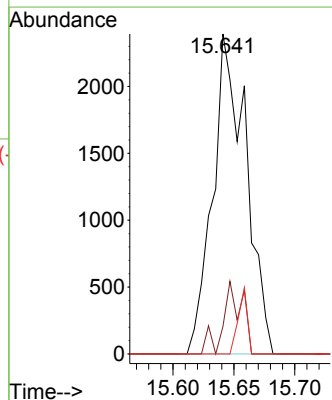
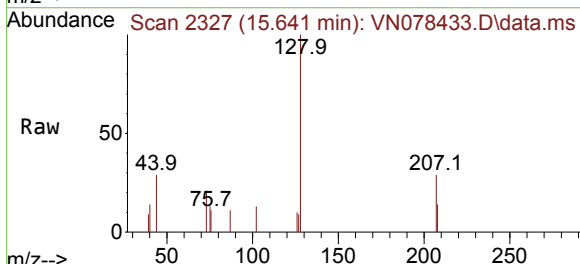
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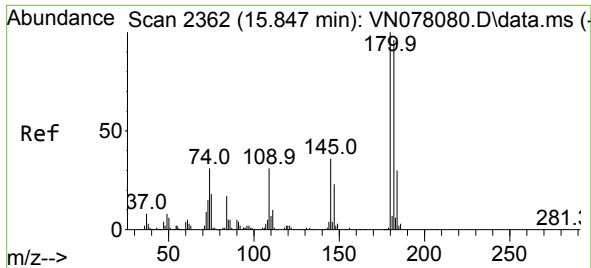
Tgt Ion:225 Resp: 1126
Ion Ratio Lower Upper
225 100
223 41.0 31.3 93.8
227 51.8 31.9 95.9



#95
Naphthalene
Concen: 0.455 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN078433.D
Acq: 28 Jun 2023 11:39

Tgt Ion:128 Resp: 4539
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 5.6 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.323 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN078433.D
 Acq: 28 Jun 2023 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	121.8	46.2	138.6
145	38.6	17.5	52.6

