

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100523\
 Data File : VN079431.D
 Acq On : 05 Oct 2023 20:15
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 06 03:45:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

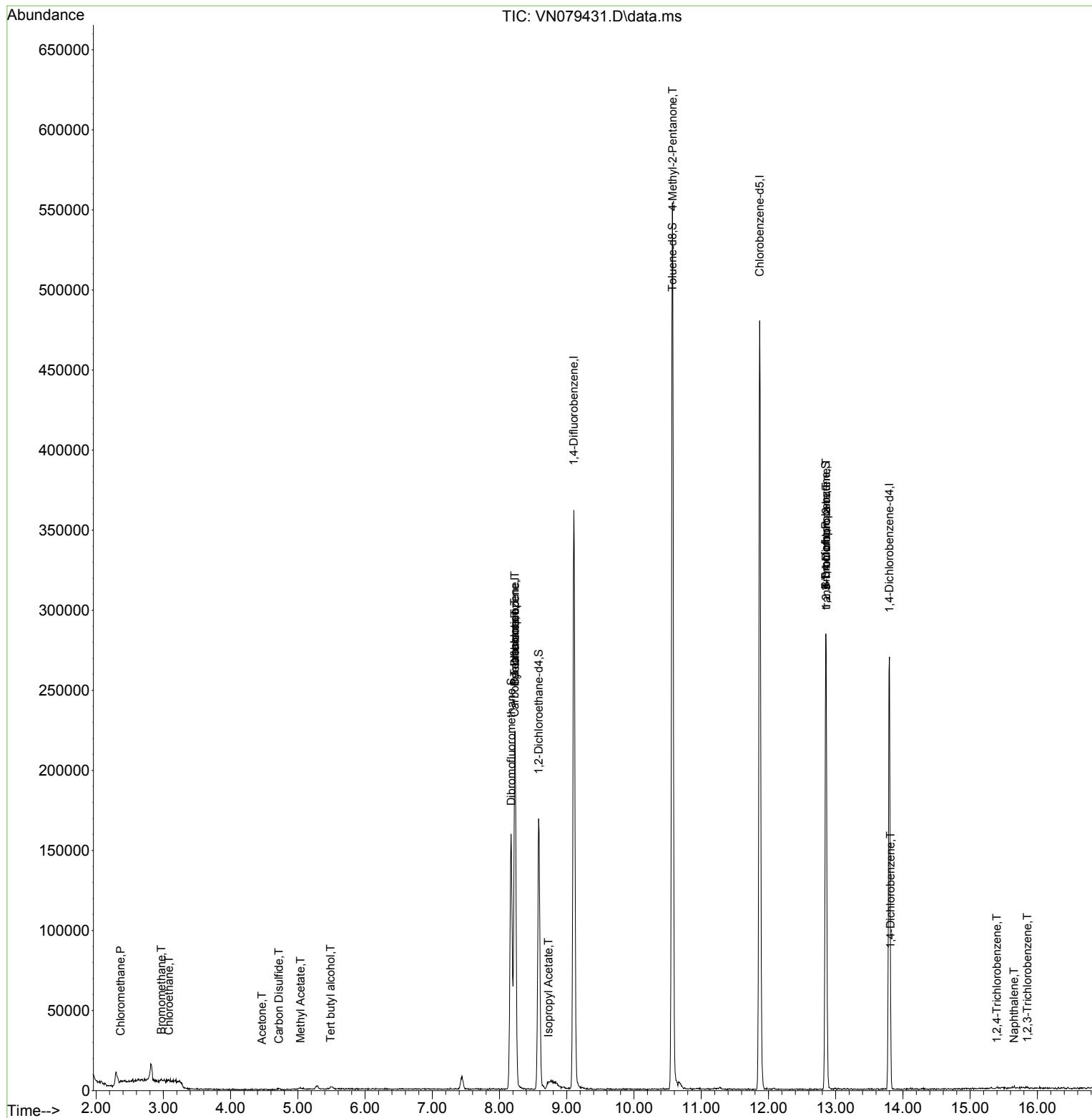
Internal Standards						
1) Pentafluorobenzene	8.229	168	157461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	301188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	278585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	70355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	133954	52.467	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.940%			
35) Dibromofluoromethane	8.177	113	112808	52.119	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.240%			
50) Toluene-d8	10.571	98	379970	48.518	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.040%			
62) 4-Bromofluorobenzene	12.853	95	98876	39.341	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 78.680%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	976	0.347	ug/l #	82
5) Bromomethane	2.971	94	861	0.491	ug/l	88
6) Chloroethane	3.083	64	558	0.253	ug/l #	43
11) Tert butyl alcohol	5.489	59	321	0.835	ug/l #	72
16) Acetone	4.465	43	426	0.421	ug/l #	40
17) Carbon Disulfide	4.718	76	1528	0.263	ug/l #	75
18) Methyl Acetate	5.041	43	1605	0.324	ug/l #	42
31) Cyclohexane	8.229	56	4502	1.243	ug/l #	39
36) 1,1-Dichloropropene	8.229	75	14004	4.311	ug/l #	47
38) Carbon Tetrachloride	8.224	117	17191	5.286	ug/l #	17
43) Isopropyl Acetate	8.729	43	3537	0.625	ug/l #	49
51) 4-Methyl-2-Pentanone	10.576	43	2021	0.632	ug/l #	1
71) Bromoform	12.853	173	730	0.439	ug/l #	1
76) 1,2,3-Trichloropropane	12.859	75	54099	26.669	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	54099	77.382	ug/l #	15
88) 1,4-Dichlorobenzene	13.817	146	701	0.267	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.400	180	222	0.289	ug/l #	68
95) Naphthalene	15.653	128	1284	0.547	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.853	180	323	0.352	ug/l #	45

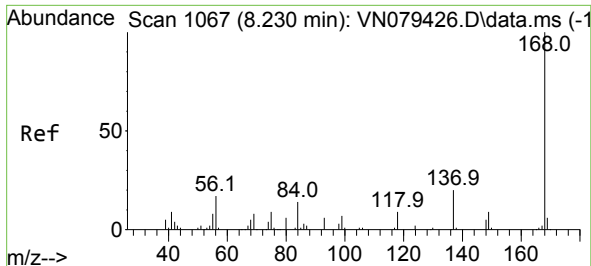
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

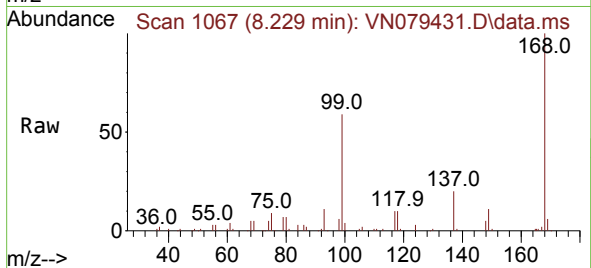
Quant Time: Oct 06 03:45:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
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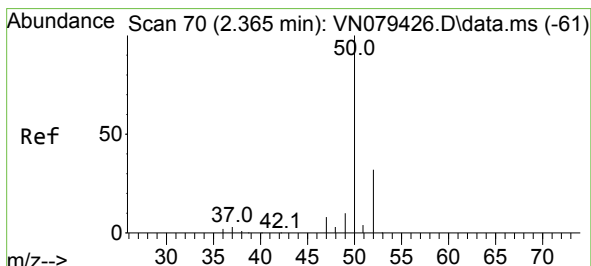
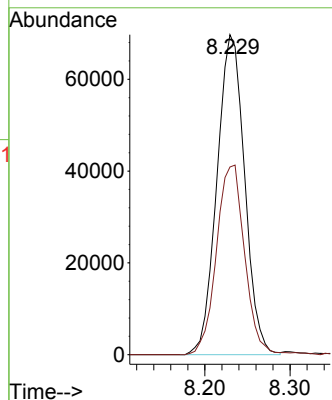
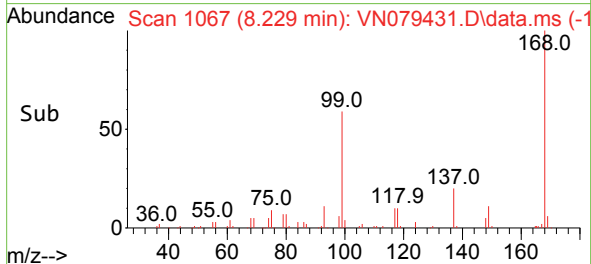


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

Instrument :
MSVOA_N
ClientSampleId :

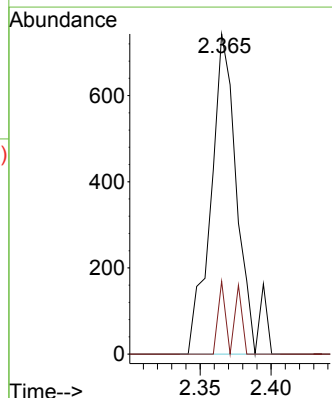
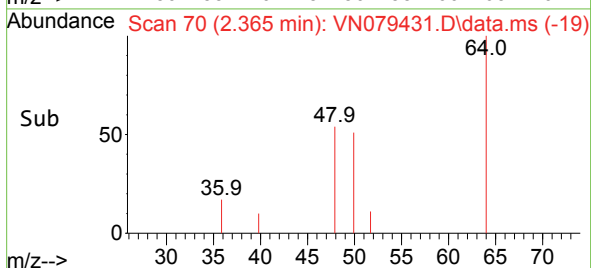
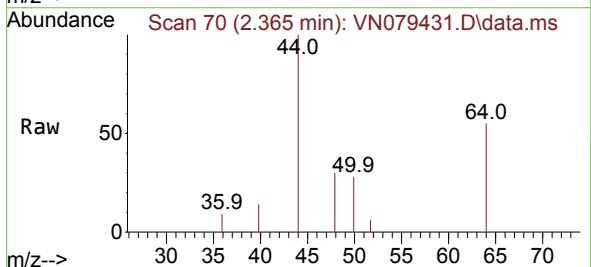


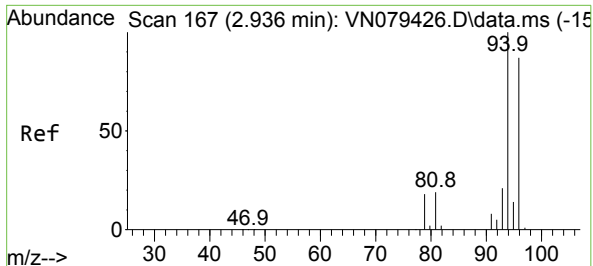
Tgt Ion:168 Resp: 157461
Ion Ratio Lower Upper
168 100
99 58.7 53.0 79.6



#3
Chloromethane
Concen: 0.347 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

Tgt Ion: 50 Resp: 976
Ion Ratio Lower Upper
50 100
52 22.7 26.5 39.7#

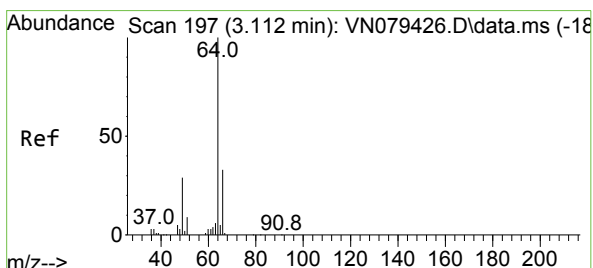
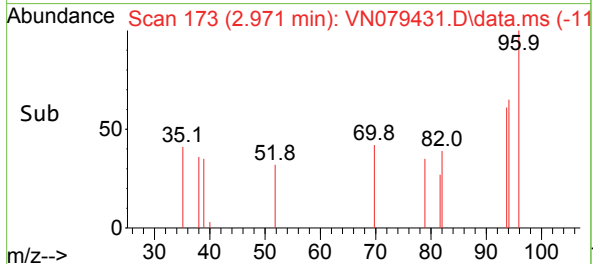
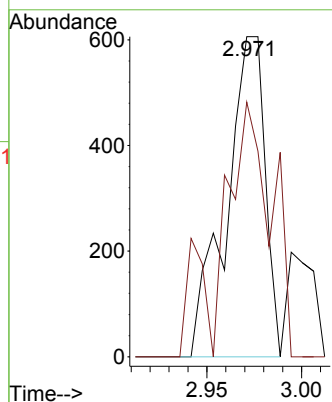
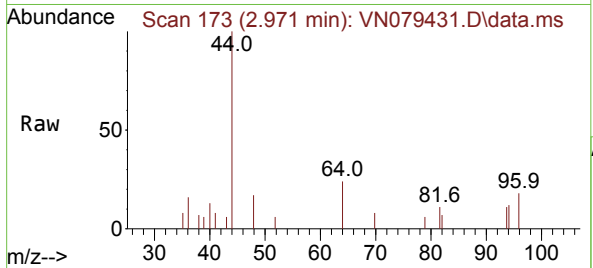




#5
Bromomethane
Concen: 0.491 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

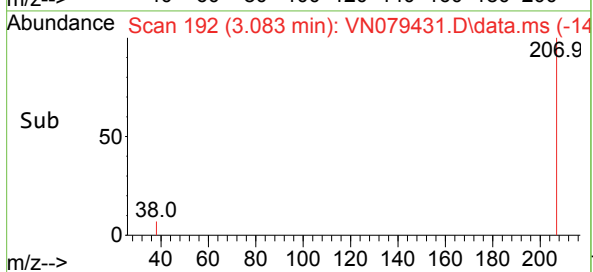
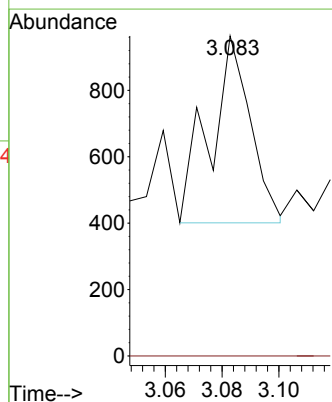
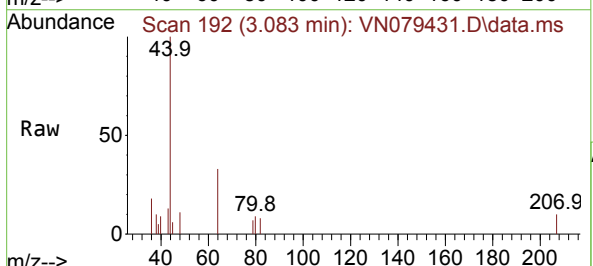
Instrument :
MSVOA_N
ClientSampleId :

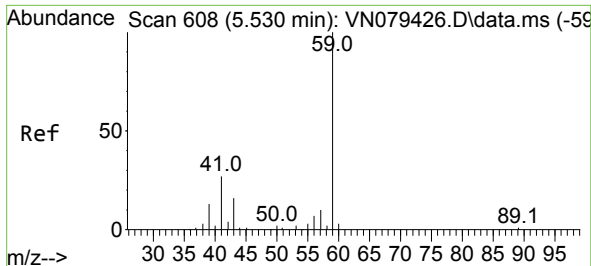
Tgt Ion: 94 Resp: 861
Ion Ratio Lower Upper
94 100
96 79.5 73.1 109.7



#6
Chloroethane
Concen: 0.253 ug/l
RT: 3.083 min Scan# 192
Delta R.T. -0.029 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

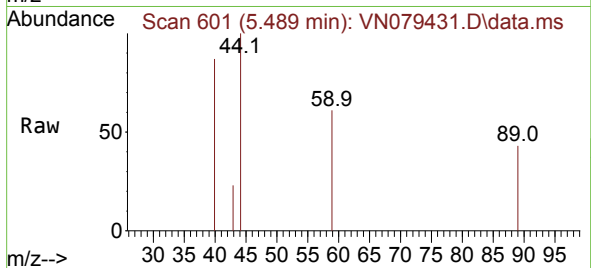
Tgt Ion: 64 Resp: 558
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



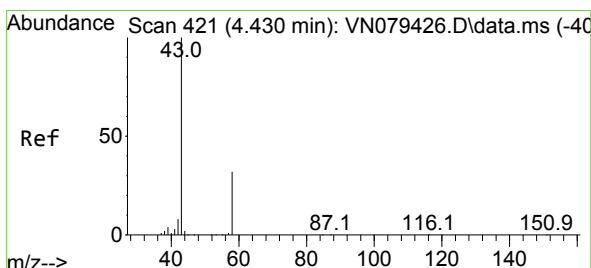
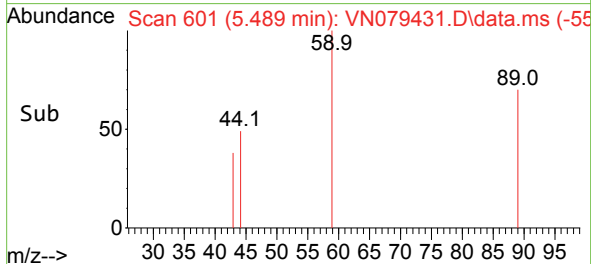
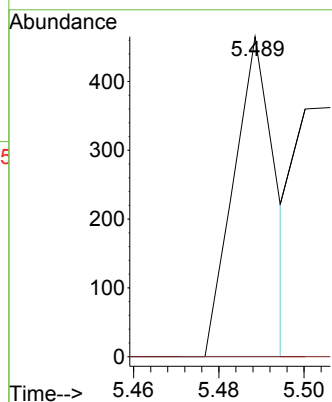


#11
Tert butyl alcohol
Concen: 0.835 ug/l
RT: 5.489 min Scan# 608
Delta R.T. -0.042 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

Instrument :
MSVOA_N
ClientSampleId :

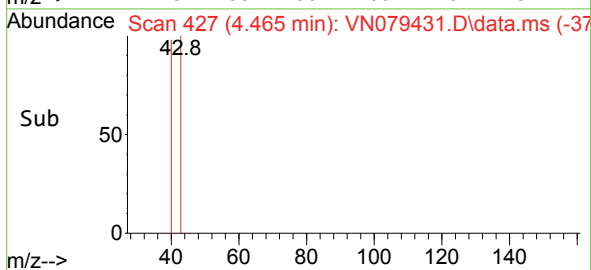
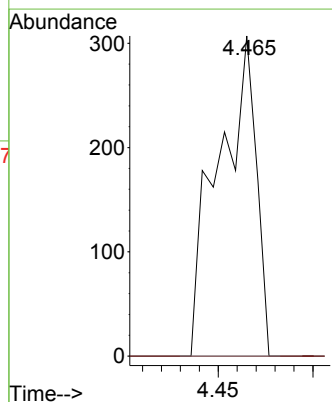
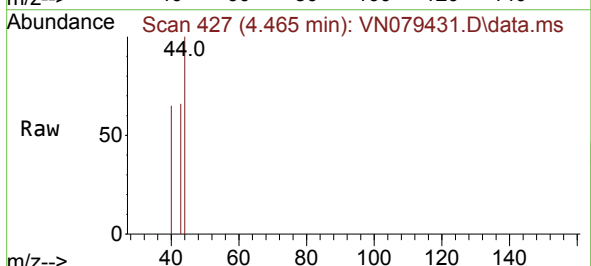


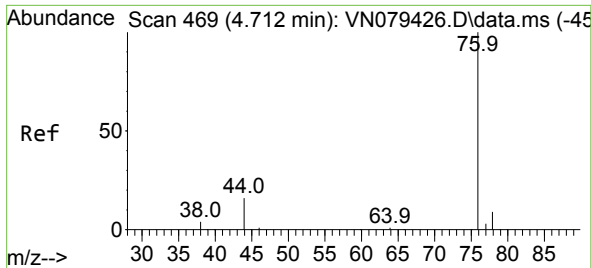
Tgt Ion: 59 Resp: 321
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.421 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.035 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

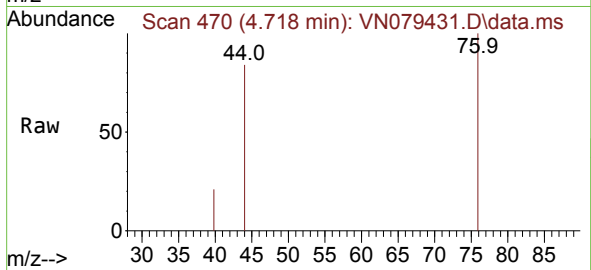
Tgt Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



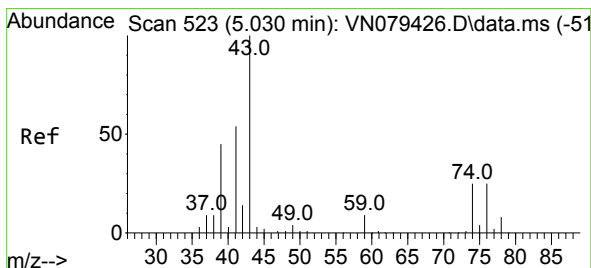
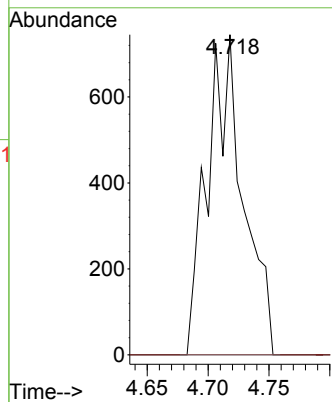
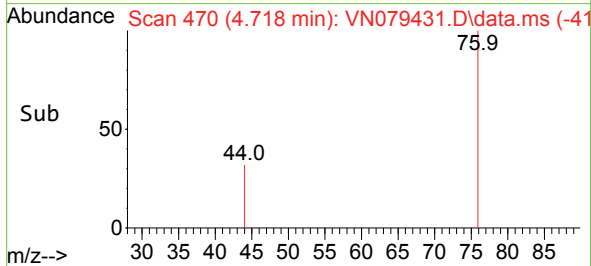


#17
Carbon Disulfide
Concen: 0.263 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

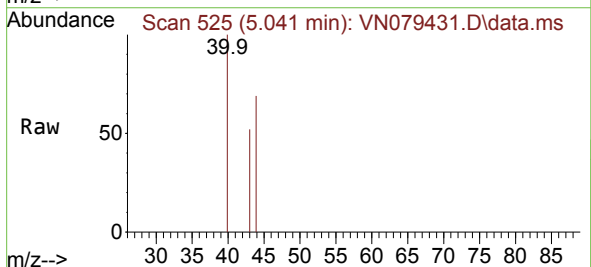
Instrument :
MSVOA_N
ClientSampleId :



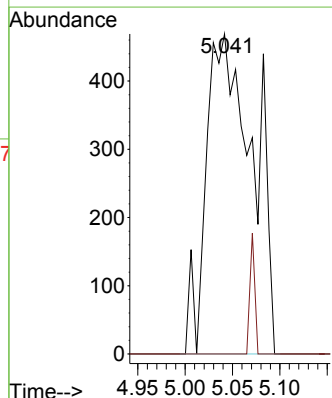
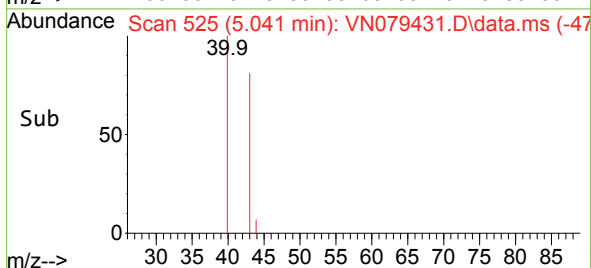
Tgt Ion: 76 Resp: 1528
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

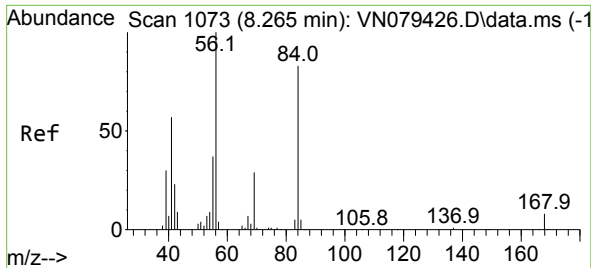


#18
Methyl Acetate
Concen: 0.324 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15



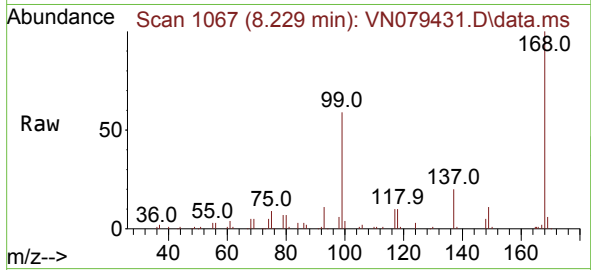
Tgt Ion: 43 Resp: 1605
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



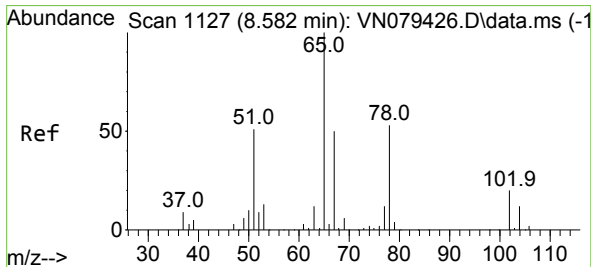
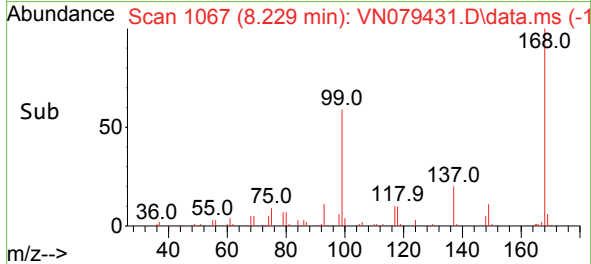
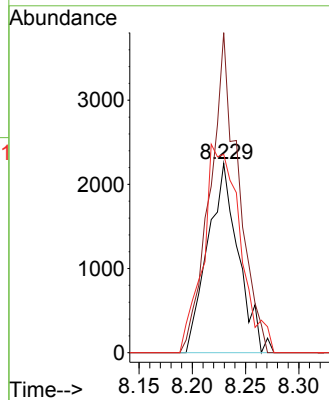


#31
Cyclohexane
Concen: 1.243 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

Instrument :
MSVOA_N
ClientSampleId :

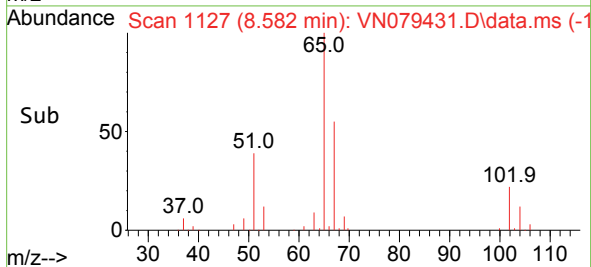
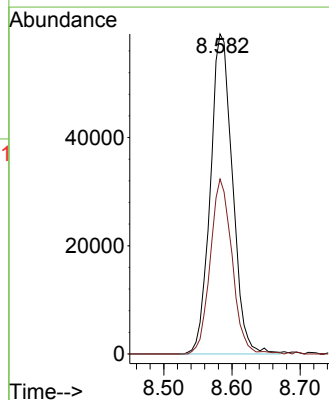
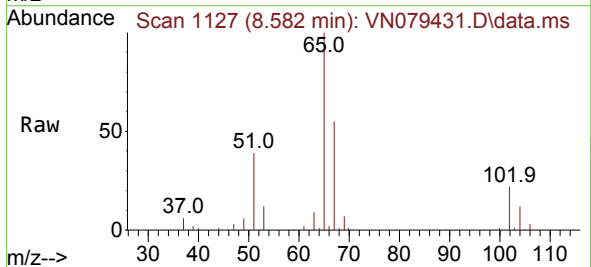


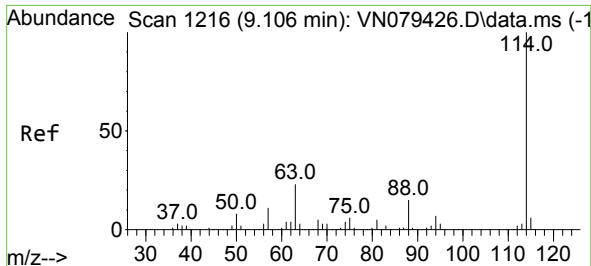
Tgt Ion: 56 Resp: 4502
Ion Ratio Lower Upper
56 100
69 169.1 26.8 40.2#
84 104.8 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.467 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

Tgt Ion: 65 Resp: 133954
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

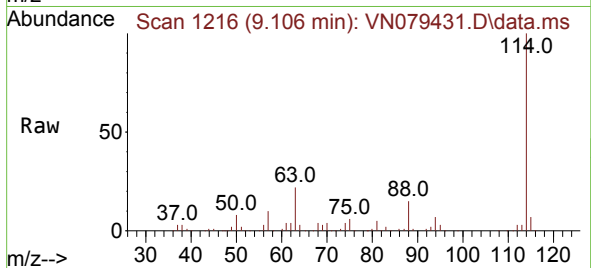
Lab File: VN079431.D

Acq: 05 Oct 2023 20:15

Instrument :

MSVOA_N

ClientSampleId :



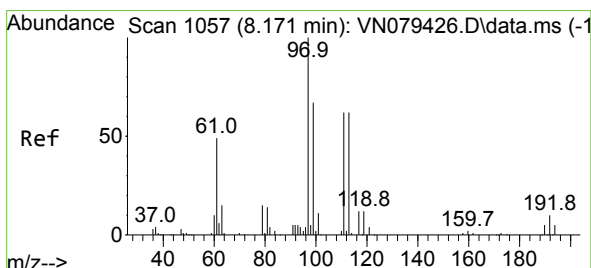
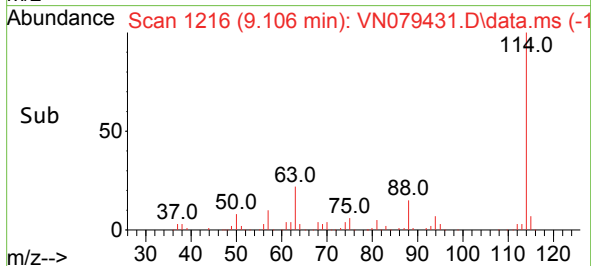
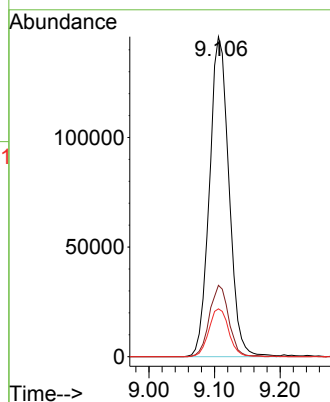
Tgt Ion:114 Resp: 301188

Ion Ratio Lower Upper

114 100

63 22.3 0.0 36.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.119 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN079431.D

Acq: 05 Oct 2023 20:15

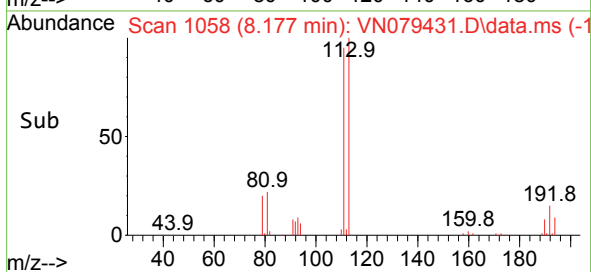
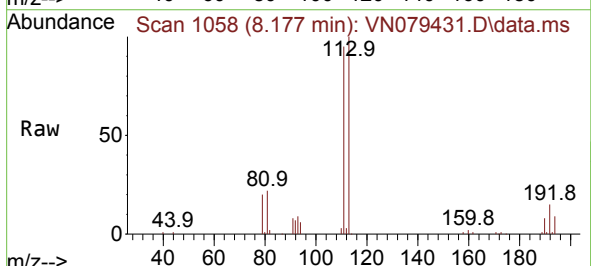
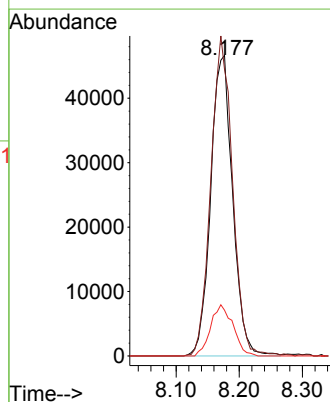
Tgt Ion:113 Resp: 112808

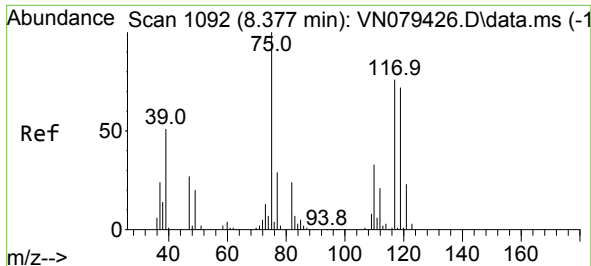
Ion Ratio Lower Upper

113 100

111 105.1 82.6 123.8

192 17.4 12.7 19.1

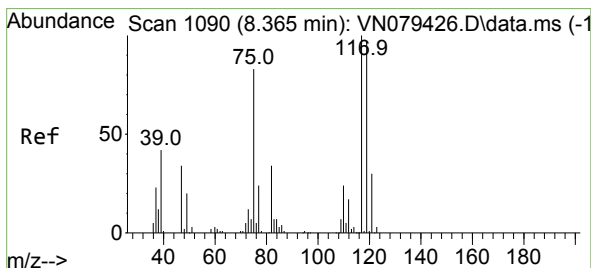
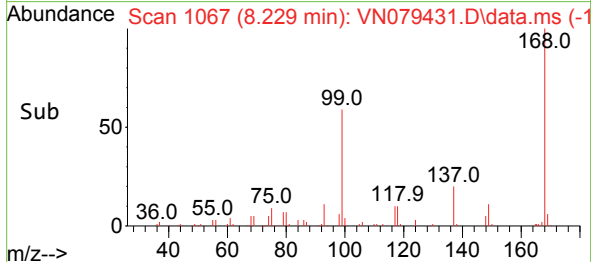
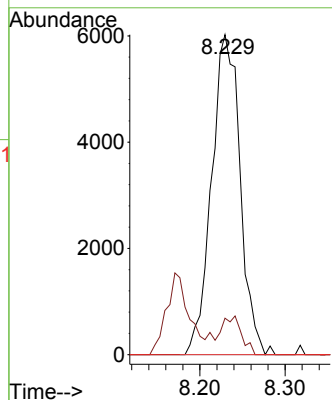
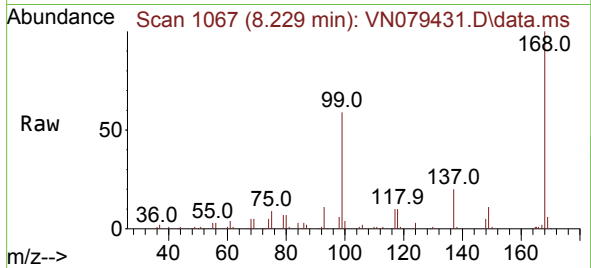




#36
1,1-Dichloropropene
Concen: 4.311 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

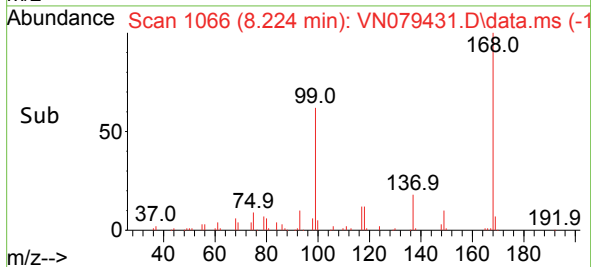
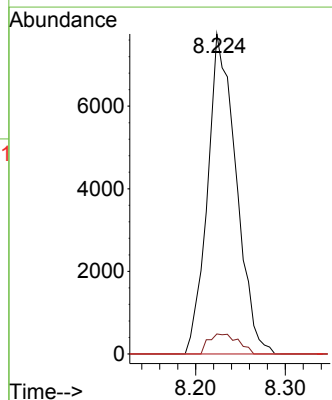
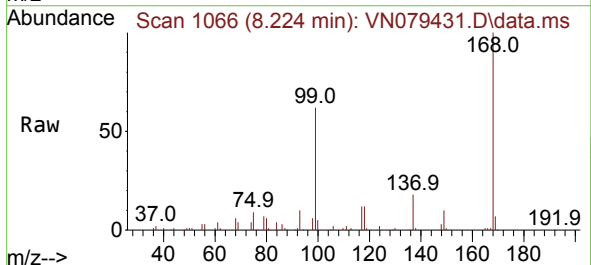
Instrument :
MSVOA_N
ClientSampleId :

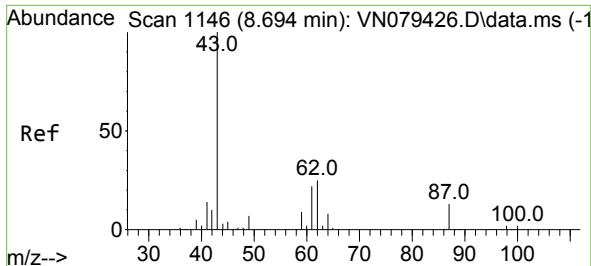
Tgt Ion: 75 Resp: 14004
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.286 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

Tgt Ion: 117 Resp: 17191
Ion Ratio Lower Upper
117 100
119 6.3 77.3 115.9#
121 0.0 23.3 34.9#

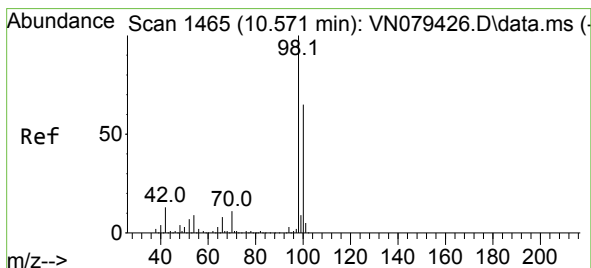
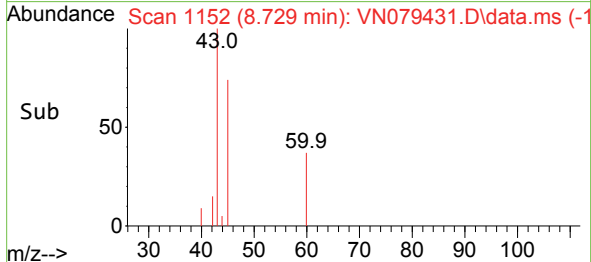
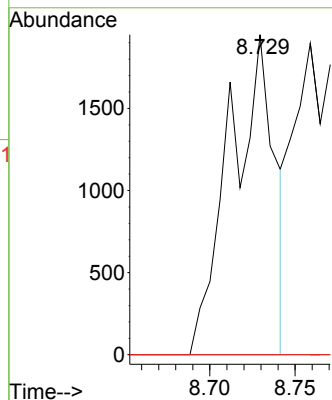
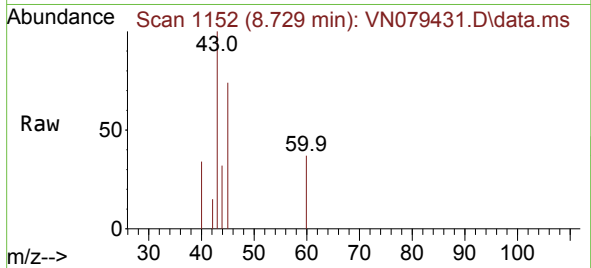




#43
Isopropyl Acetate
Concen: 0.625 ug/l
RT: 8.729 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

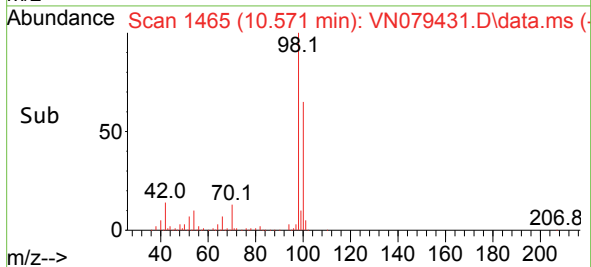
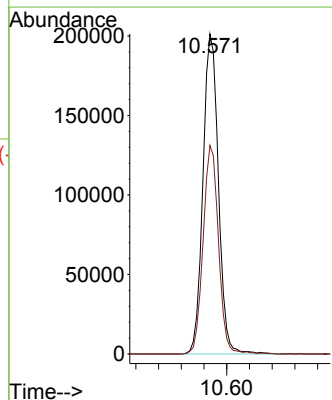
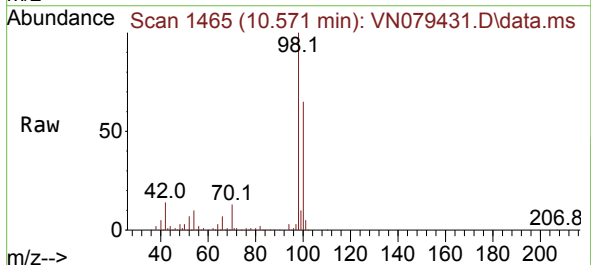
Instrument :
MSVOA_N
ClientSampleId :

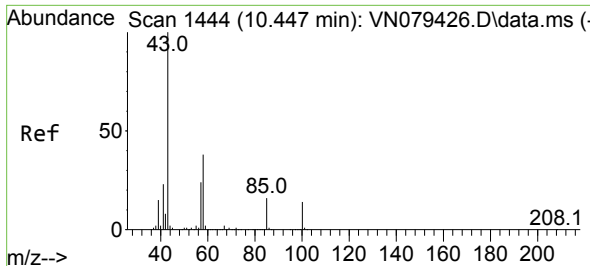
Tgt Ion: 43 Resp: 3537
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 48.518 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

Tgt Ion: 98 Resp: 379970
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.632 ug/l

RT: 10.576 min Scan# 1444

Delta R.T. 0.129 min

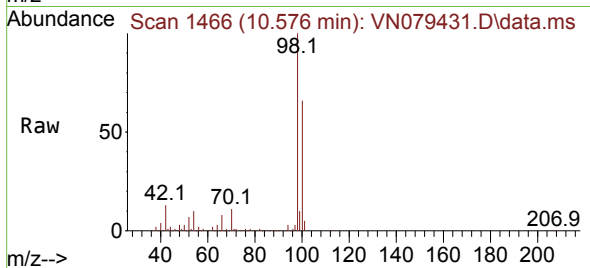
Lab File: VN079431.D

Acq: 05 Oct 2023 20:15

Instrument :

MSVOA_N

ClientSampleId :

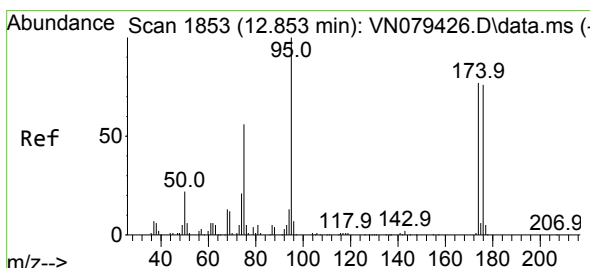
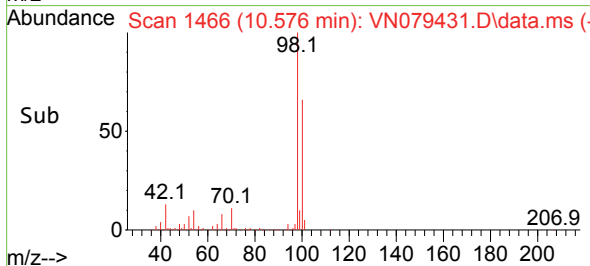
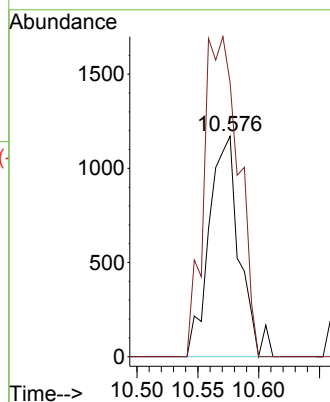


Tgt Ion: 43 Resp: 2021

Ion Ratio Lower Upper

43 100

58 167.8 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 39.341 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN079431.D

Acq: 05 Oct 2023 20:15

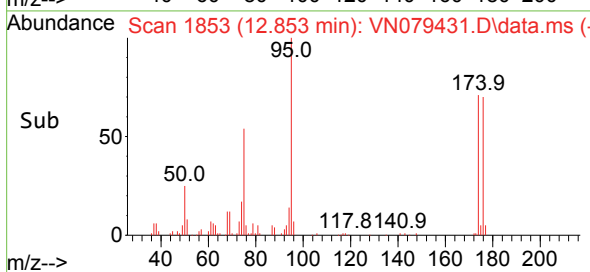
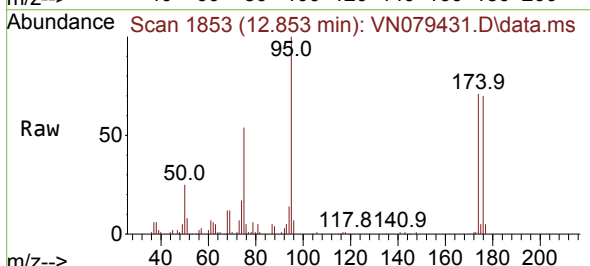
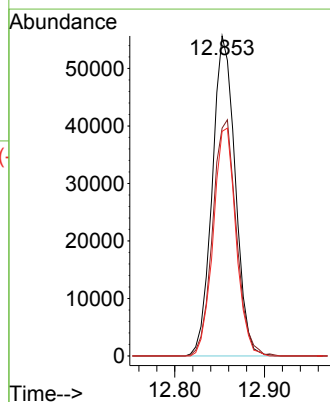
Tgt Ion: 95 Resp: 98876

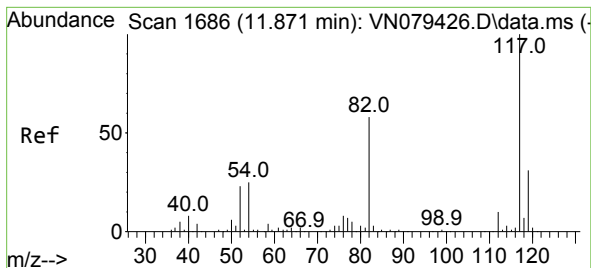
Ion Ratio Lower Upper

95 100

174 76.1 0.0 143.8

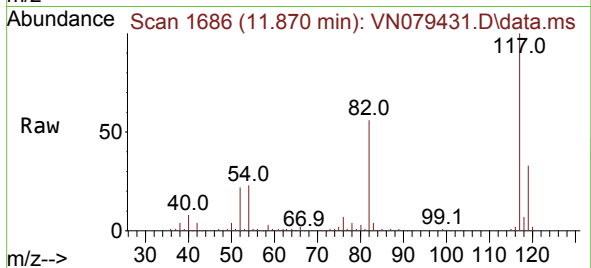
176 70.5 0.0 135.8



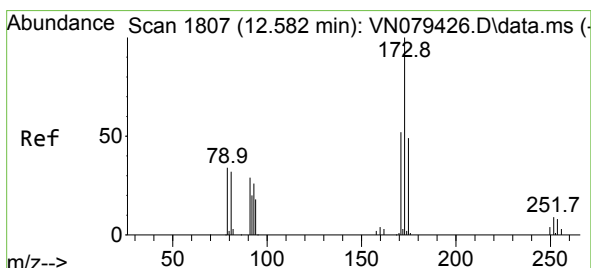
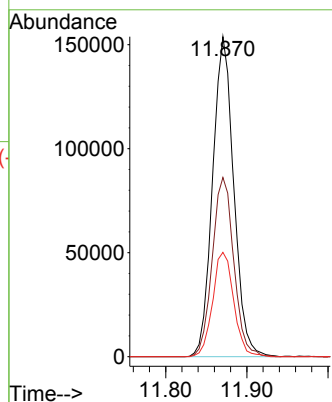
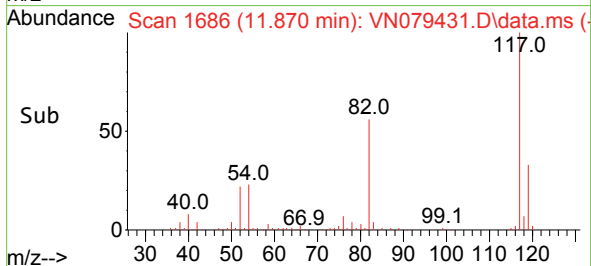


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

Instrument :
MSVOA_N
ClientSampleId :

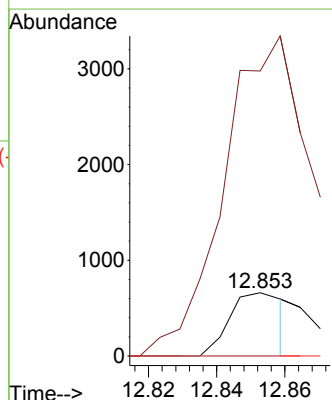
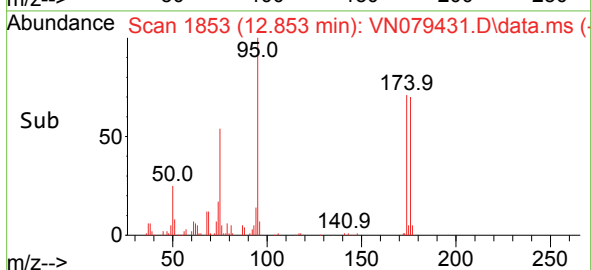
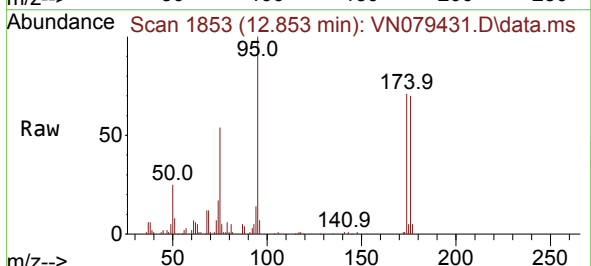


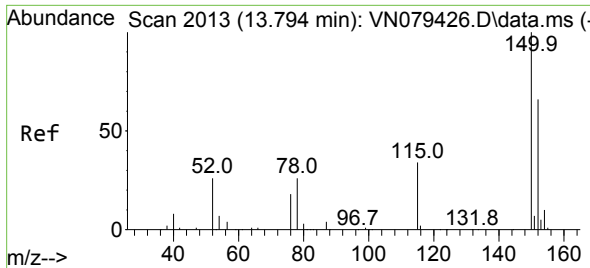
Tgt Ion:117 Resp: 278585
Ion Ratio Lower Upper
117 100
82 56.0 44.0 66.0
119 32.6 25.6 38.4



#71
Bromoform
Concen: 0.439 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

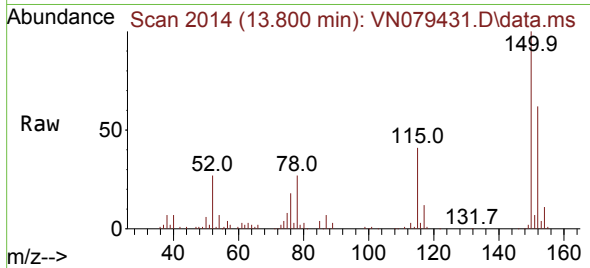
Tgt Ion:173 Resp: 730
Ion Ratio Lower Upper
173 100
175 420.8 24.3 73.0#
254 0.0 0.0 0.0



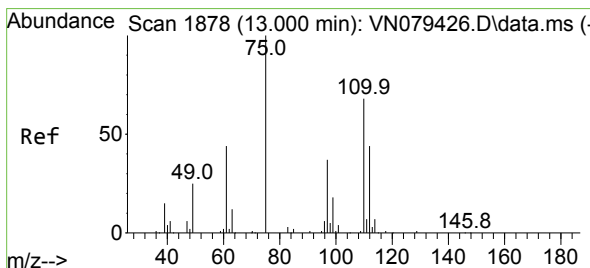
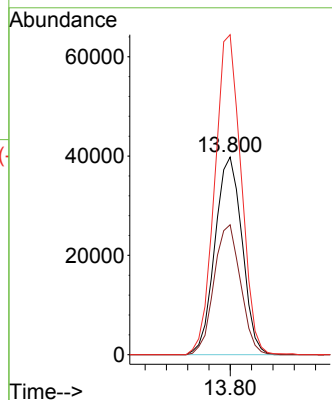
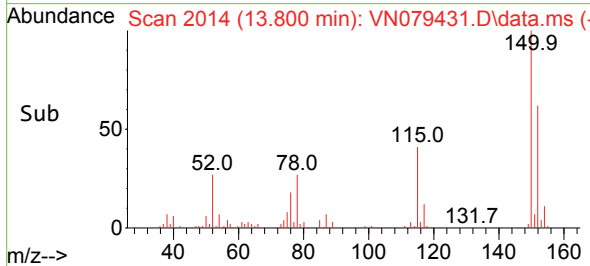


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN079431.D
 Acq: 05 Oct 2023 20:15

Instrument :
 MSVOA_N
 ClientSampleId :

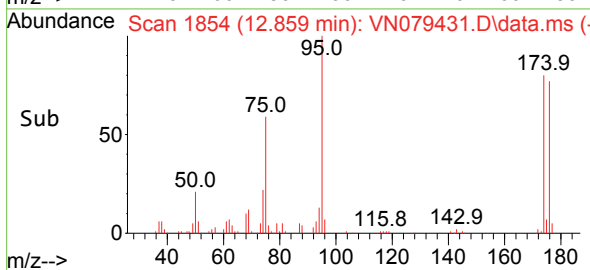
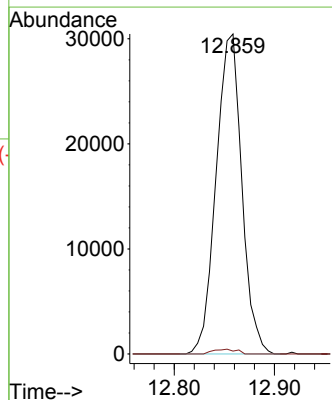
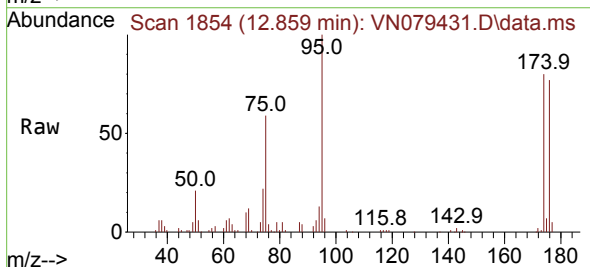


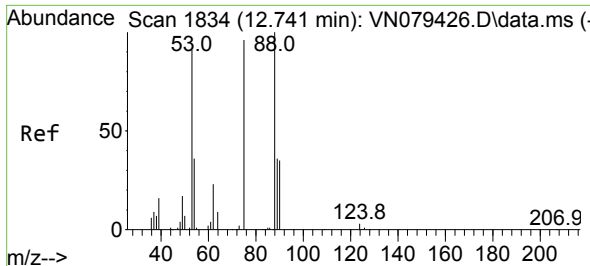
Tgt Ion:152 Resp: 70355
 Ion Ratio Lower Upper
 152 100
 115 64.3 32.3 96.8
 150 157.6 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 26.669 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.141 min
 Lab File: VN079431.D
 Acq: 05 Oct 2023 20:15

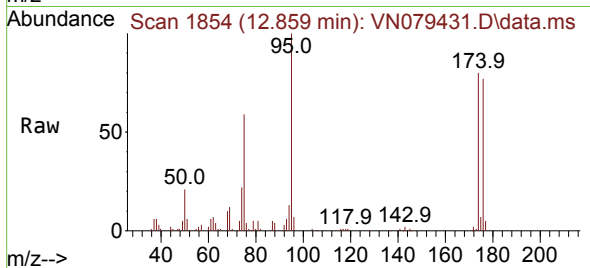
Tgt Ion: 75 Resp: 54099
 Ion Ratio Lower Upper
 75 100
 77 1.4 84.5 253.5#



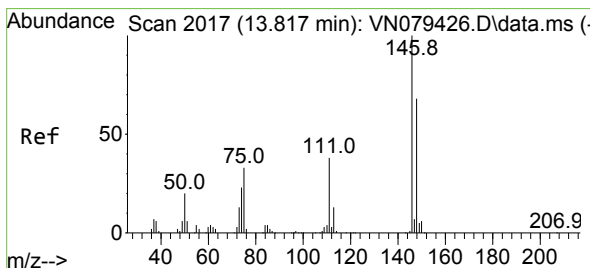
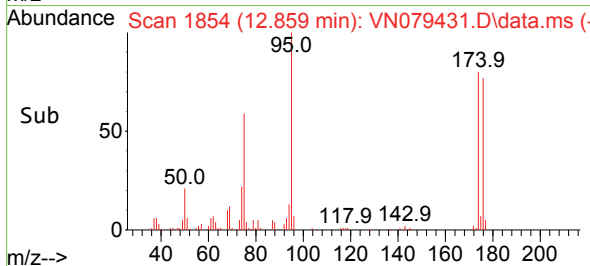
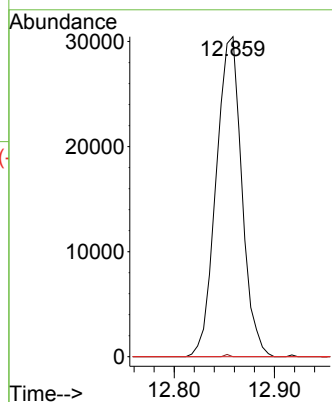


#81
trans-1,4-Dichloro-2-butene
Concen: 77.382 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

Instrument :
MSVOA_N
ClientSampleId :

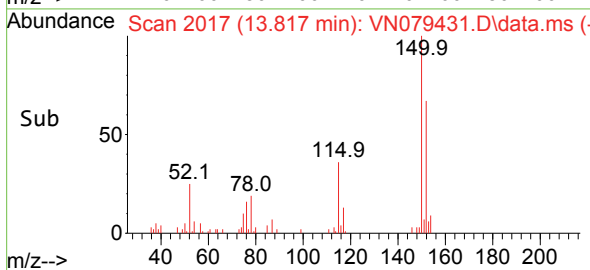
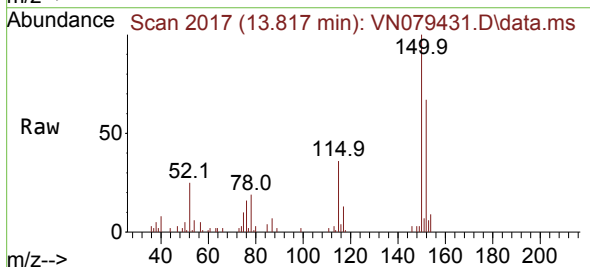
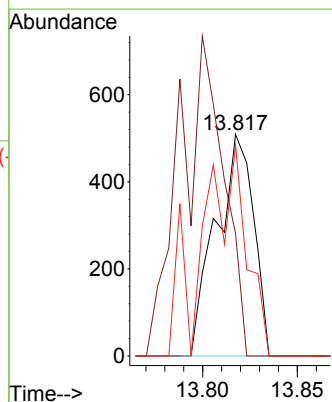


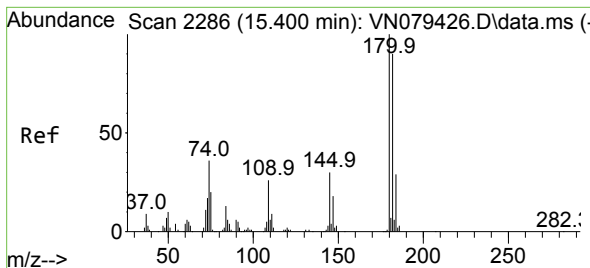
Tgt Ion: 75 Resp: 54099
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#88
1,4-Dichlorobenzene
Concen: 0.267 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VN079431.D
Acq: 05 Oct 2023 20:15

Tgt Ion: 146 Resp: 701
Ion Ratio Lower Upper
146 100
111 168.2 20.6 61.8#
148 111.6 31.6 94.8#





#93

1,2,4-Trichlorobenzene

Concen: 0.289 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

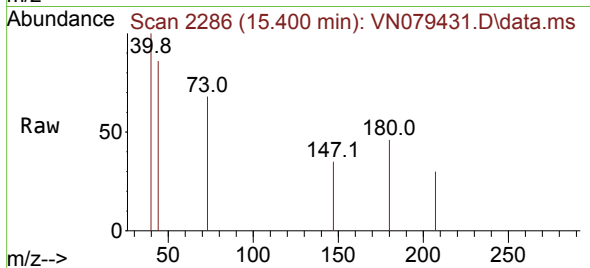
Lab File: VN079431.D

Acq: 05 Oct 2023 20:15

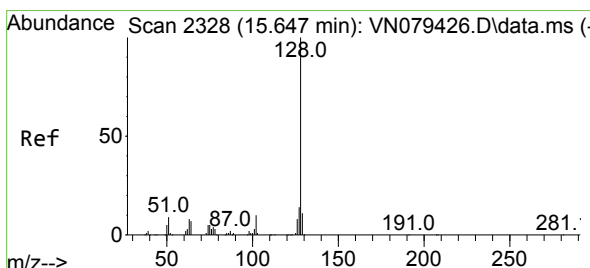
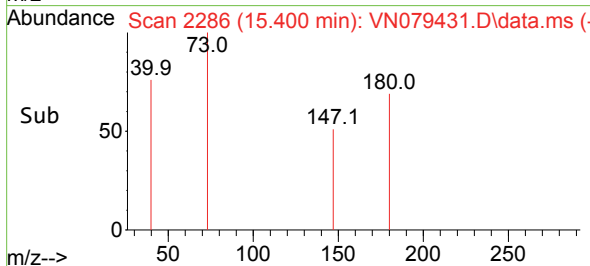
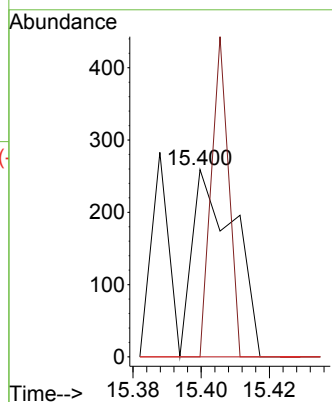
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	180	Resp:	222
Ion Ratio	Lower	Upper	
180	100		
182	70.3	46.1	138.2
145	0.0	16.6	49.8#



#95

Naphthalene

Concen: 0.547 ug/l

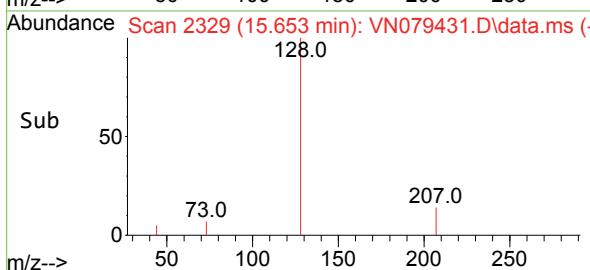
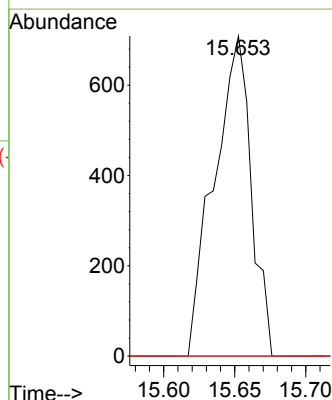
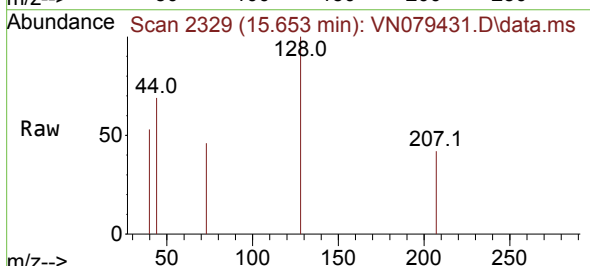
RT: 15.653 min Scan# 2329

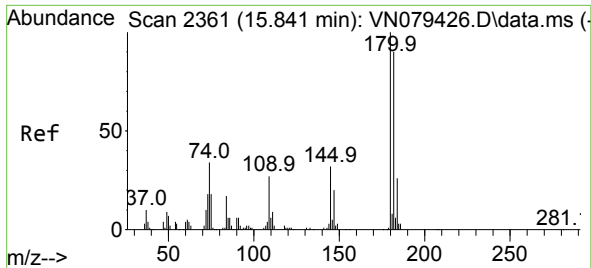
Delta R.T. 0.006 min

Lab File: VN079431.D

Acq: 05 Oct 2023 20:15

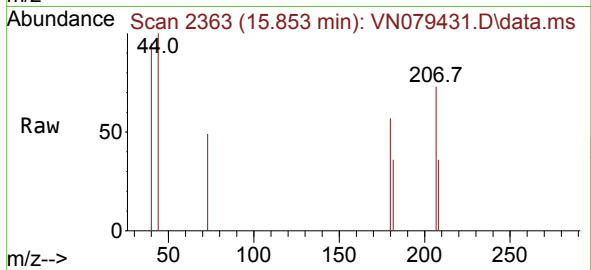
Tgt Ion:	128	Resp:	1284
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.0	15.0#
129	0.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.352 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN079431.D
 Acq: 05 Oct 2023 20:15

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	41.8	46.2	138.6#
145	0.0	17.5	52.6#

