

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077795.D
 Acq On : 22 May 2023 17:29
 Operator : JC\MD
 Sample : 02880-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT15811-20230519

Quant Time: May 23 04:20:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

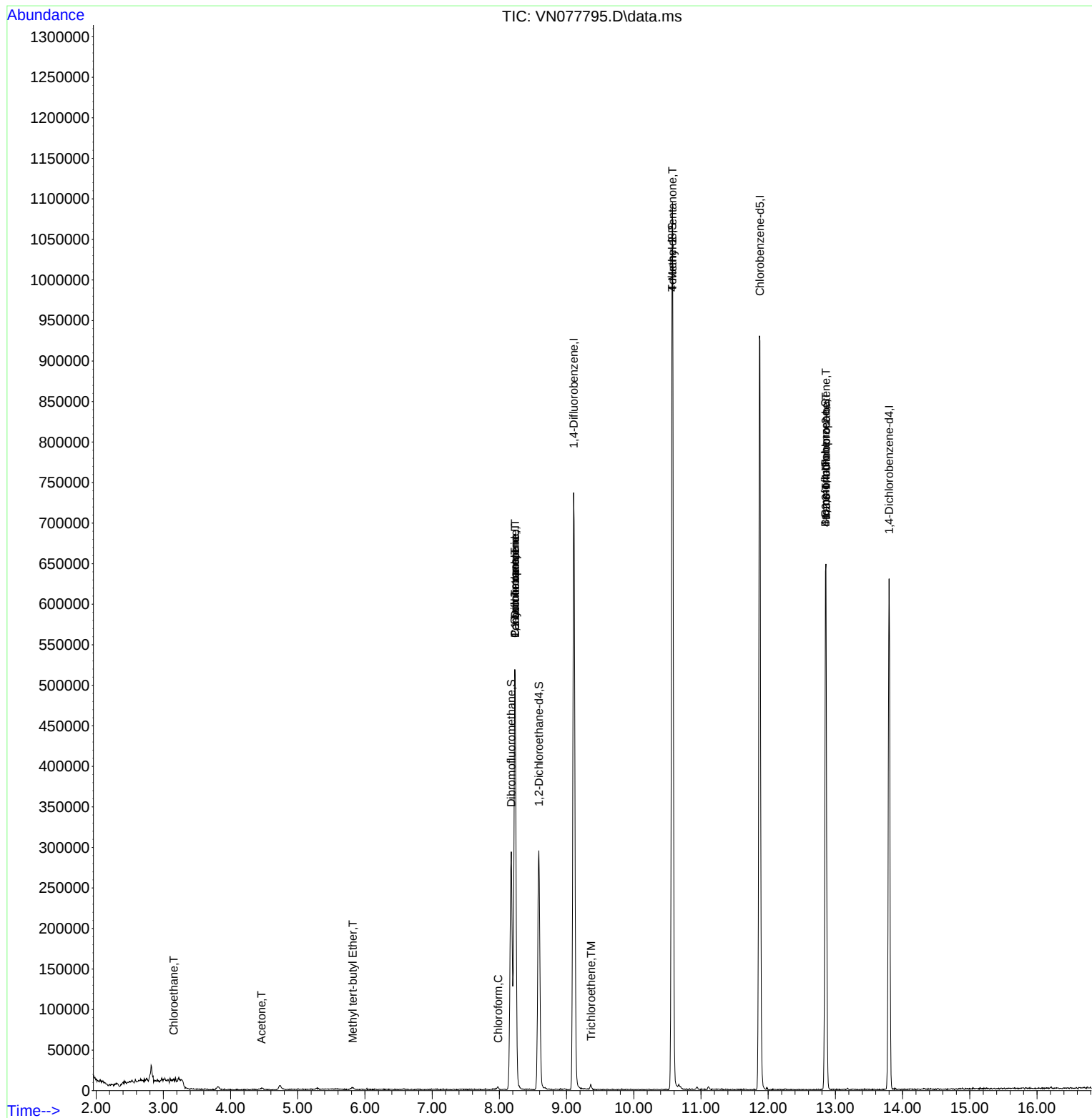
Internal Standards						
1) Pentafluorobenzene	8.236	168	366692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	659575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	566257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	169548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	247904	45.183	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.360%		
35) Dibromofluoromethane	8.177	113	214225	49.808	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.620%		
50) Toluene-d8	10.571	98	809956	48.925	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.860%		
62) 4-Bromofluorobenzene	12.853	95	239703	40.997	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.000%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1469	Below Cal	#	74
6) Chloroethane	3.154	64	769	0.203	ug/l #	43
13) Acrolein	4.200	56	56	Below Cal	#	1
16) Acetone	4.459	43	3963	2.296	ug/l #	82
19) Methyl tert-butyl Ether	5.818	73	3347	0.240	ug/l	98
20) Methylene Chloride	5.289	84	930	Below Cal	#	70
30) Chloroform	7.983	83	2704	0.302	ug/l #	43
31) Cyclohexane	8.230	56	8640	1.159	ug/l #	47
36) 1,1-Dichloropropene	8.236	75	30934	4.917	ug/l #	49
38) Carbon Tetrachloride	8.236	117	40347	6.351	ug/l #	14
44) Trichloroethene	9.365	130	1668	0.355	ug/l	83
51) 4-Methyl-2-Pentanone	10.577	43	2786	0.512	ug/l #	1
71) Bromoform	12.853	173	1804	0.638	ug/l #	28
76) 1,2,3-Trichloropropane	12.859	75	126841	29.872	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	126841	95.488	ug/l #	15

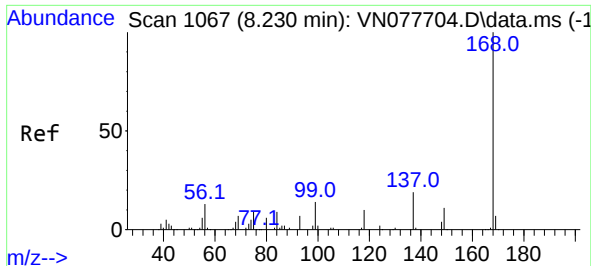
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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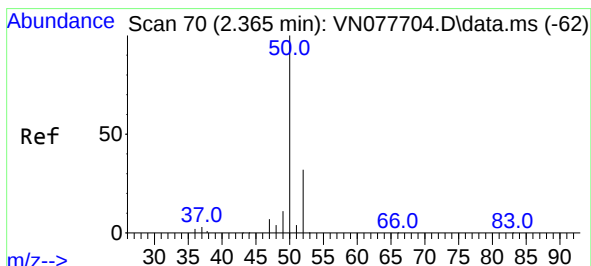
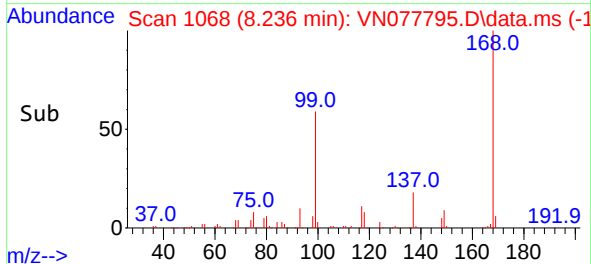
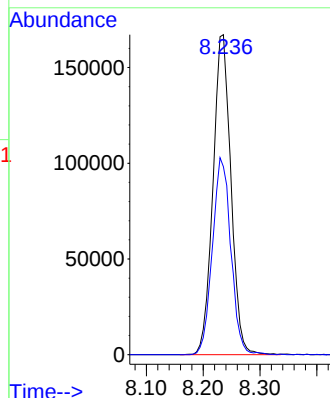
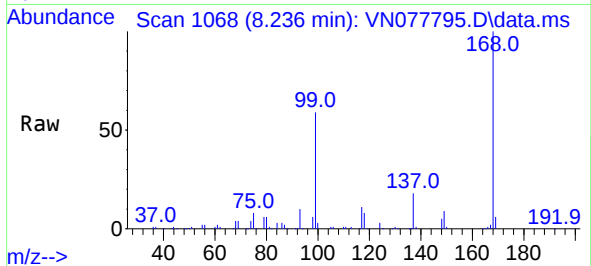




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

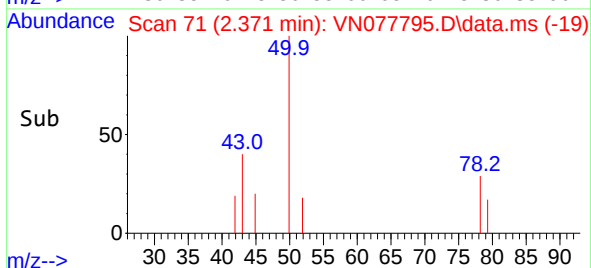
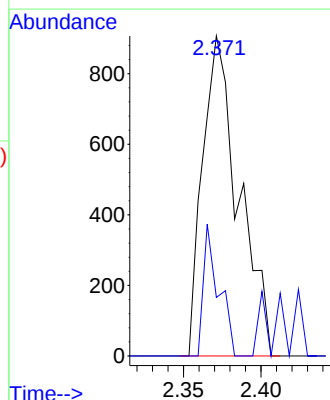
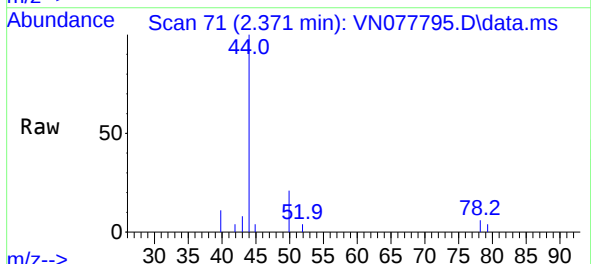
Instrument :
MSVOA_N
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TT15811-20230519

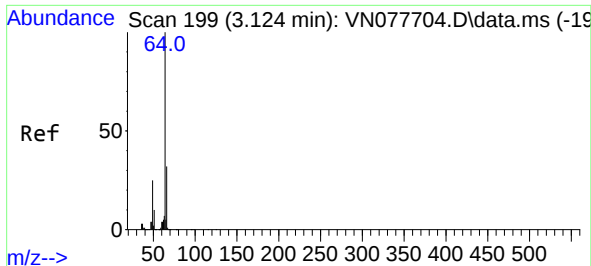
Tgt Ion:168 Resp: 366692
Ion Ratio Lower Upper
168 100
99 58.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

Tgt Ion: 50 Resp: 1469
Ion Ratio Lower Upper
50 100
52 18.3 26.5 39.7#

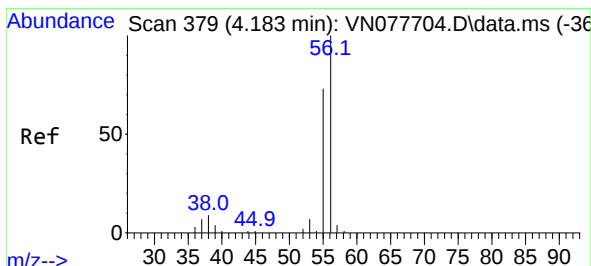
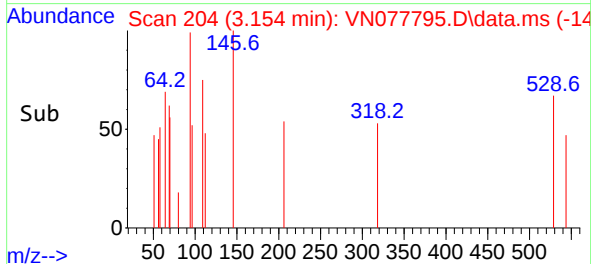
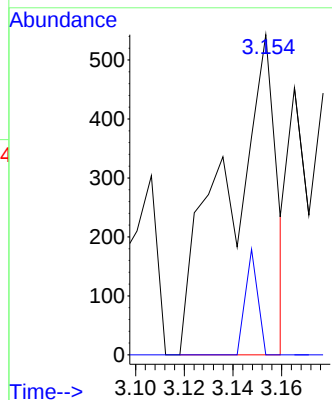
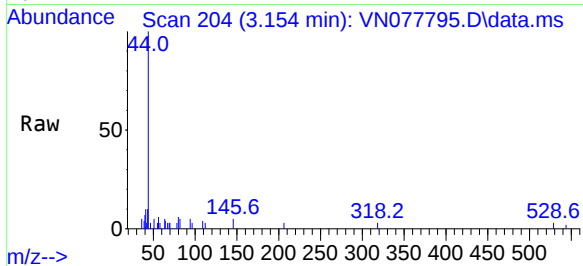




#6
Chloroethane
Concen: 0.203 ug/l
RT: 3.154 min Scan# 204
Delta R.T. 0.030 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

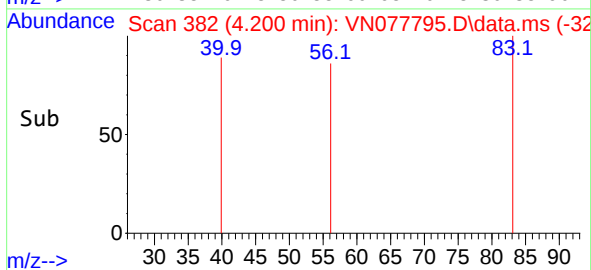
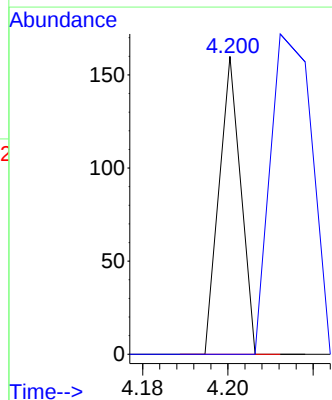
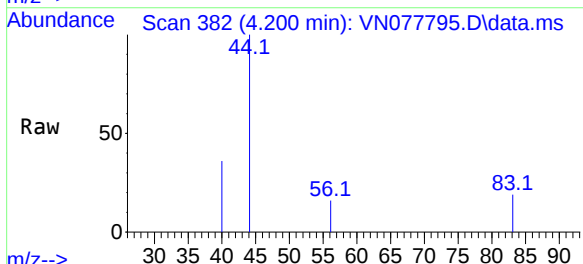
Instrument :
MSVOA_N
ClientSampleId :
TT15811-20230519

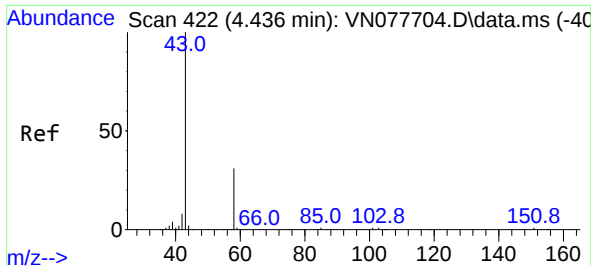
Tgt Ion: 64 Resp: 769
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 207.1 54.5 81.7#

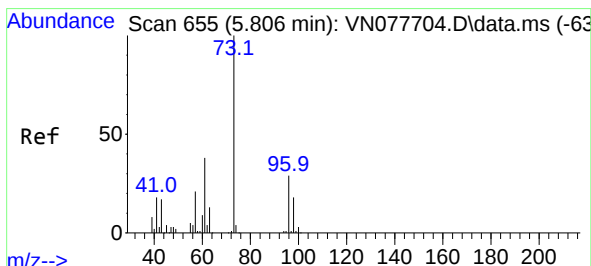
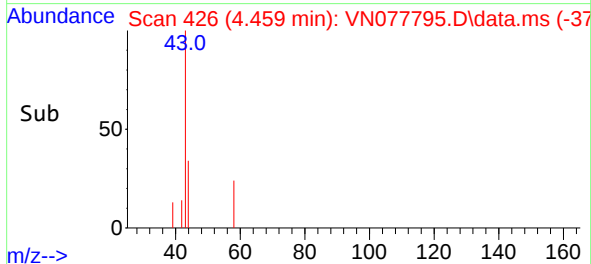
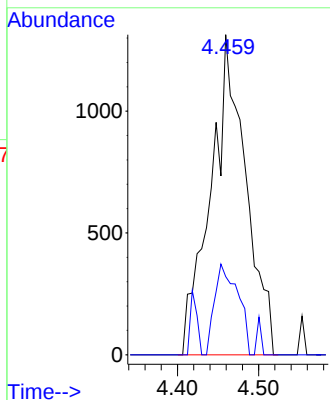
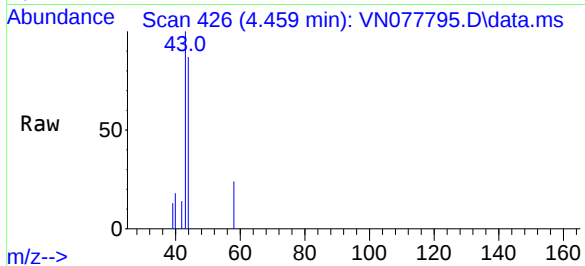




#16
Acetone
Concen: 2.296 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

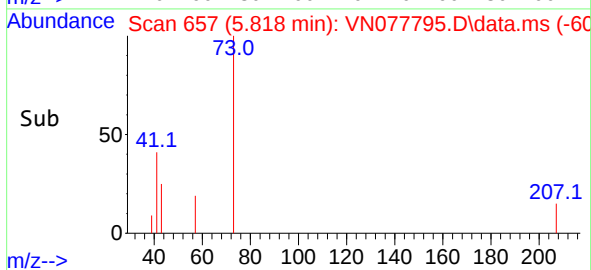
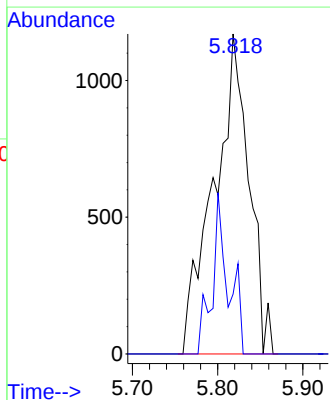
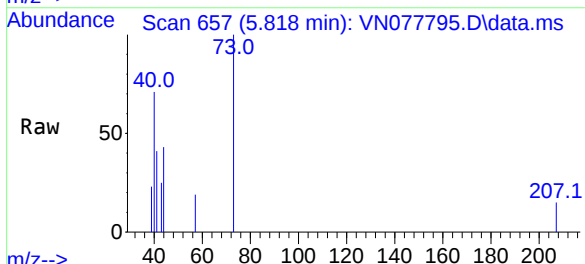
Instrument :
MSVOA_N
ClientSampleId :
TT15811-20230519

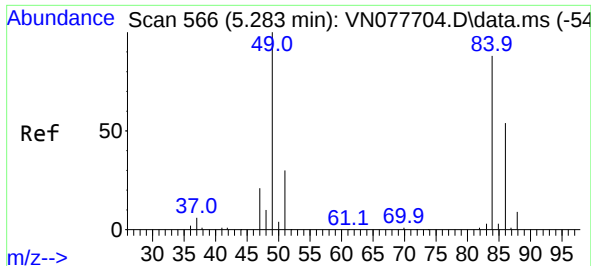
Tgt Ion: 43 Resp: 3963
Ion Ratio Lower Upper
43 100
58 24.4 28.0 42.0#



#19
Methyl tert-butyl Ether
Concen: 0.240 ug/l
RT: 5.818 min Scan# 657
Delta R.T. 0.018 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

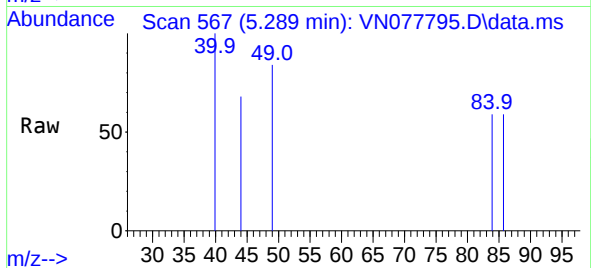
Tgt Ion: 73 Resp: 3347
Ion Ratio Lower Upper
73 100
57 18.7 15.6 23.4



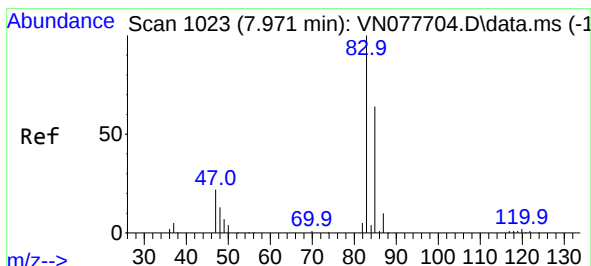
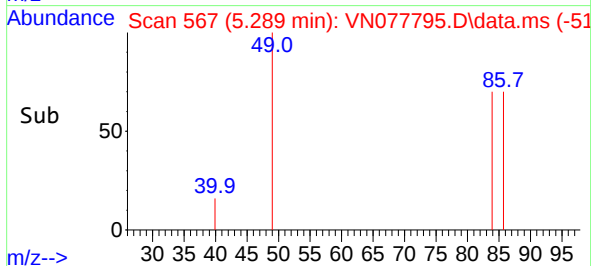
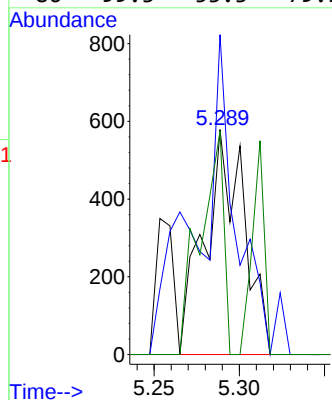


#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

Instrument :
MSVOA_N
ClientSampleId :
TT15811-20230519

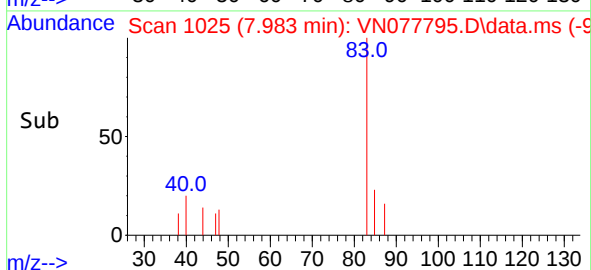
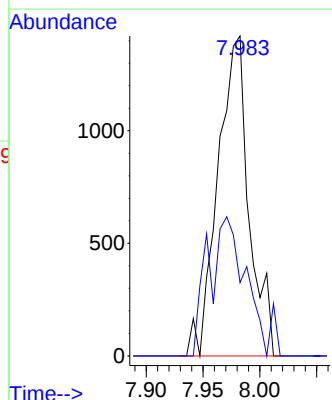
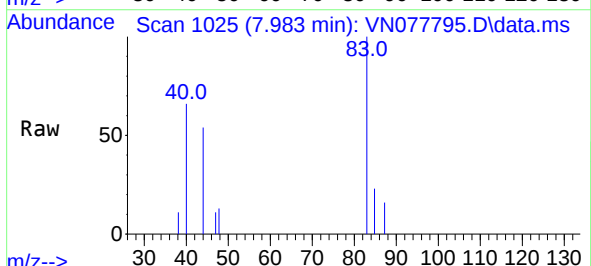


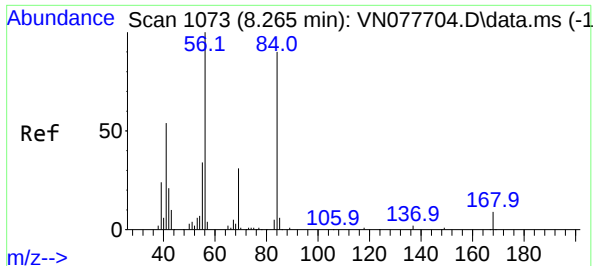
Tgt Ion:	84	Resp:	930
Ion	Ratio	Lower	Upper
84	100		
49	114.7	79.7	119.5
51	0.0	25.2	37.8#
86	99.3	53.3	79.9#



#30
Chloroform
Concen: 0.302 ug/l
RT: 7.983 min Scan# 1025
Delta R.T. 0.012 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

Tgt Ion:	83	Resp:	2704
Ion	Ratio	Lower	Upper
83	100		
85	22.9	55.4	83.0#

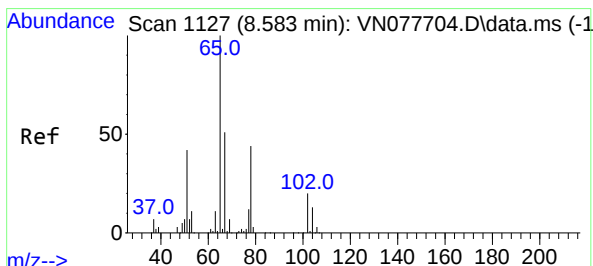
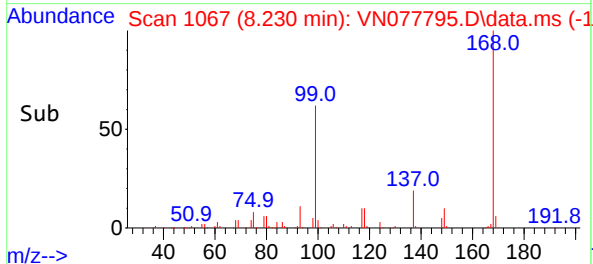
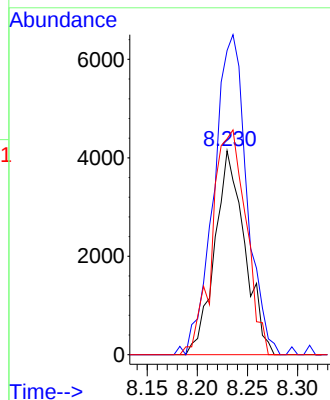
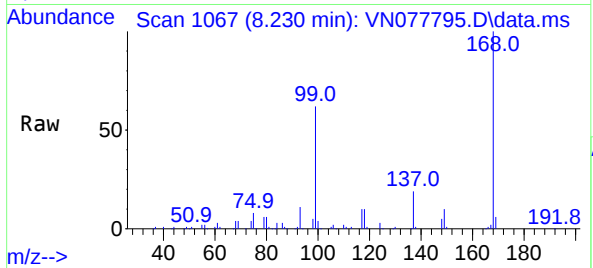




#31
Cyclohexane
Concen: 1.159 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.035 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

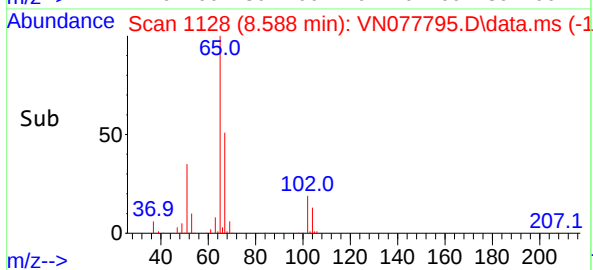
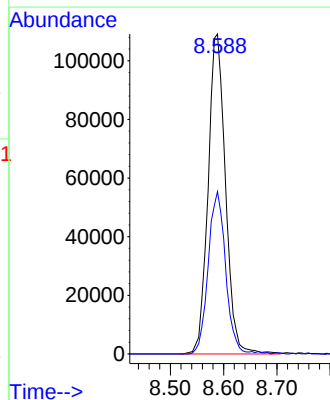
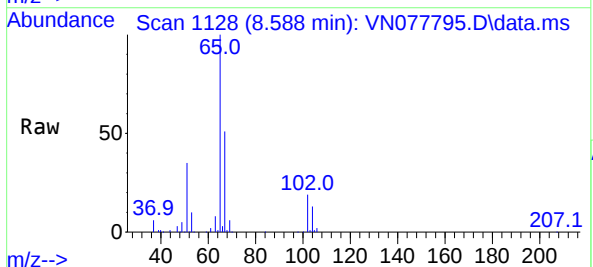
Instrument :
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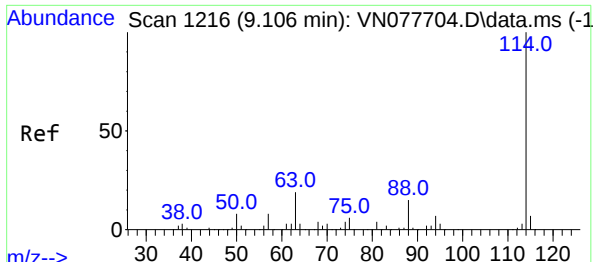
Tgt Ion: 56 Resp: 8640
Ion Ratio Lower Upper
56 100
69 149.2 26.8 40.2#
84 105.8 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 45.183 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

Tgt Ion: 65 Resp: 247904
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.6

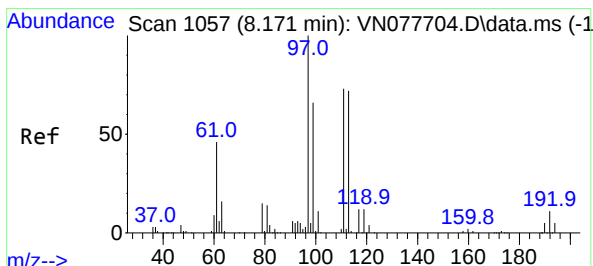
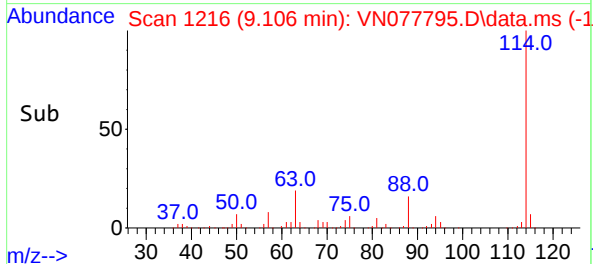
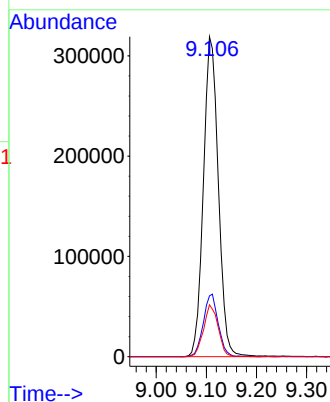
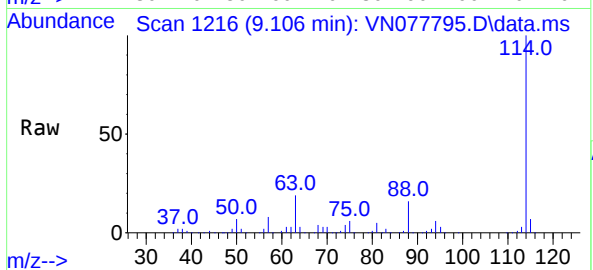




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

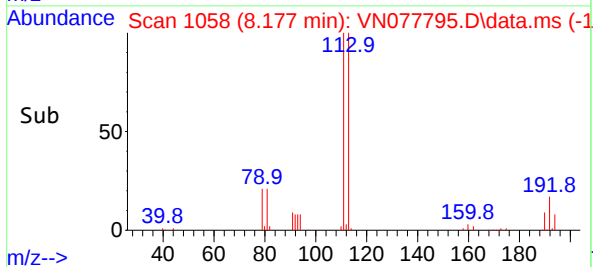
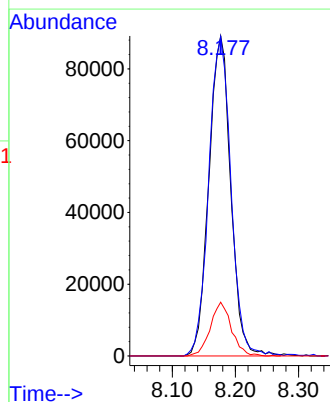
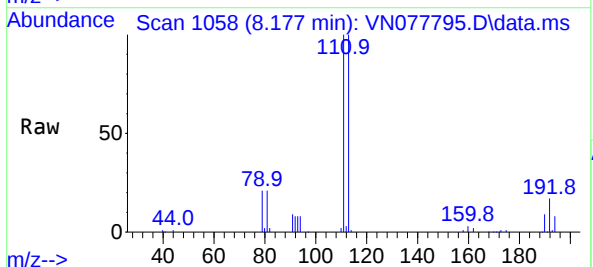
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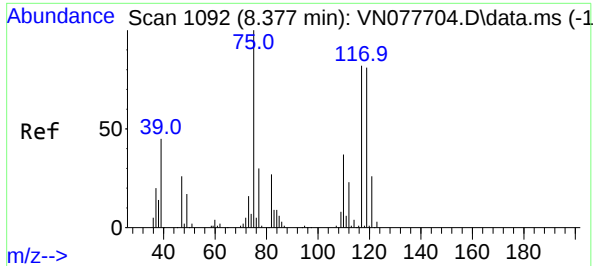
Tgt Ion:114 Resp: 659575
Ion Ratio Lower Upper
114 100
63 19.0 0.0 36.4
88 16.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.808 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

Tgt Ion:113 Resp: 214225
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 16.3 12.7 19.1

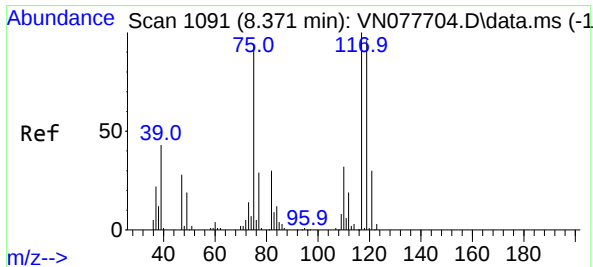
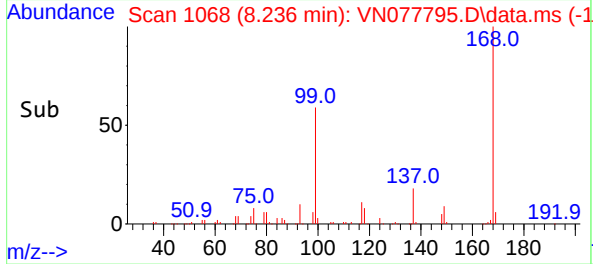
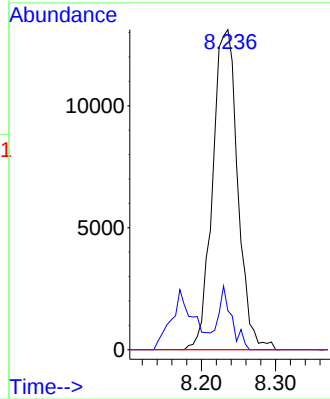
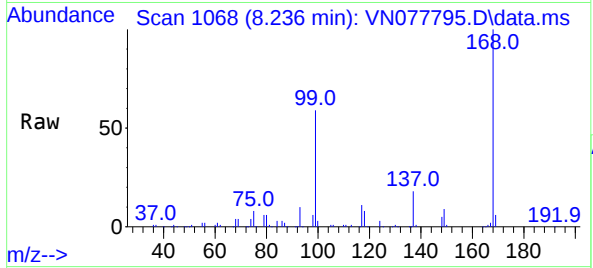




#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

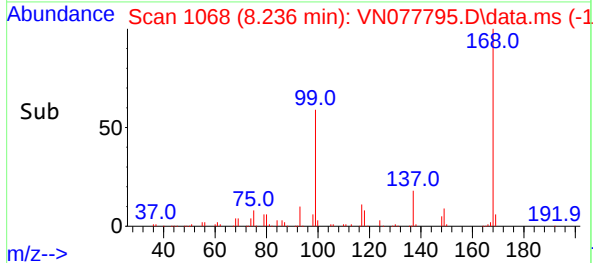
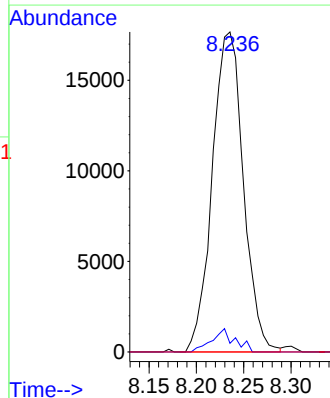
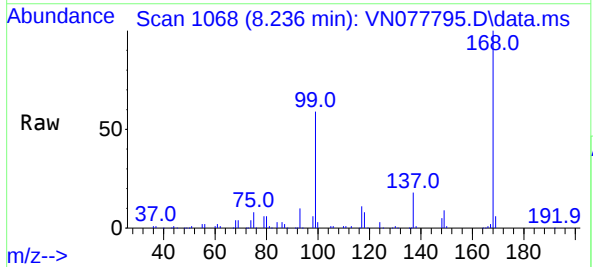
Instrument :
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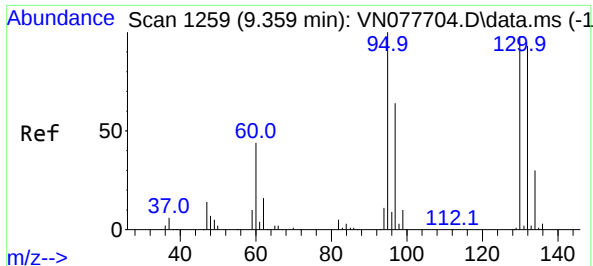
Tgt Ion: 75 Resp: 30934
Ion Ratio Lower Upper
75 100
110 10.6 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.351 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

Tgt Ion: 117 Resp: 40347
Ion Ratio Lower Upper
117 100
119 2.7 77.3 115.9#
121 0.0 23.3 34.9#





#44

Trichloroethene

Concen: 0.355 ug/l

RT: 9.365 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077795.D

Acq: 22 May 2023 17:29

Instrument :

MSVOA_N

ClientSampleId :

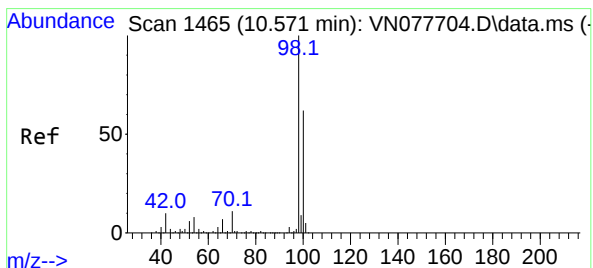
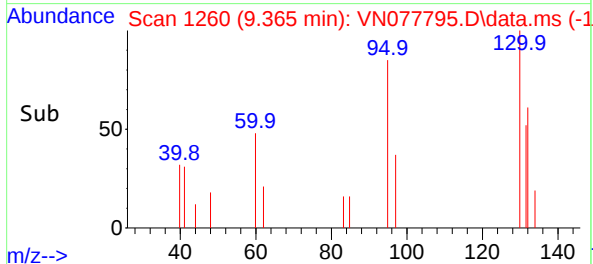
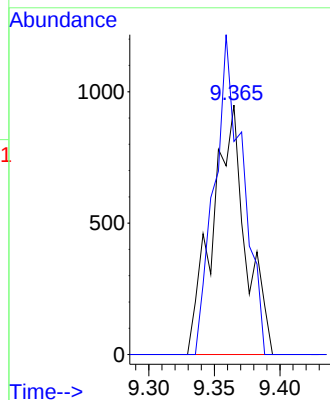
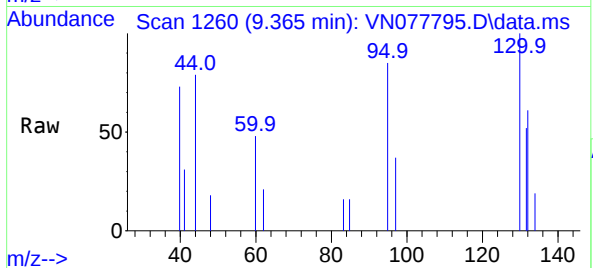
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Tgt Ion:130 Resp: 1668

Ion Ratio Lower Upper

130 100

95 85.5 0.0 204.6



#50

Toluene-d8

Concen: 48.925 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN077795.D

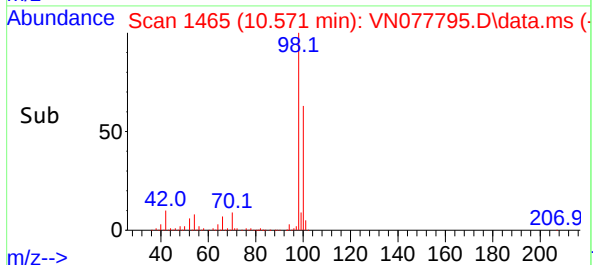
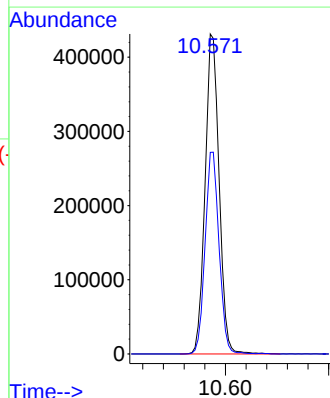
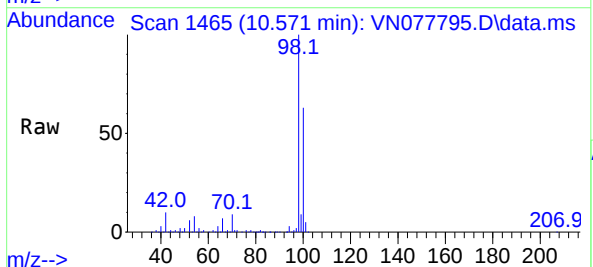
Acq: 22 May 2023 17:29

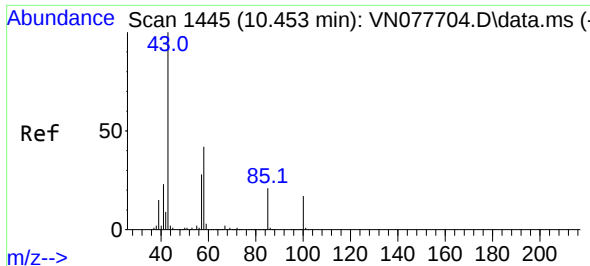
Tgt Ion: 98 Resp: 809956

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.512 ug/l

RT: 10.577 min Scan# 1445

Delta R.T. 0.130 min

Lab File: VN077795.D

Acq: 22 May 2023 17:29

Instrument :

MSVOA_N

ClientSampleId :

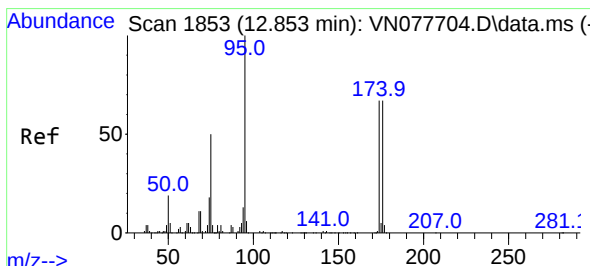
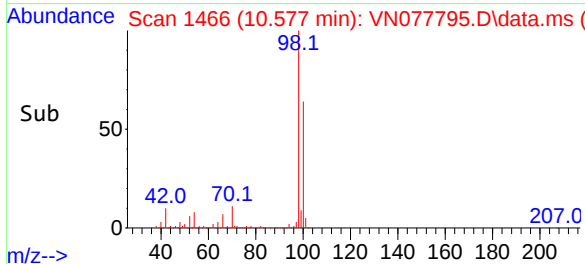
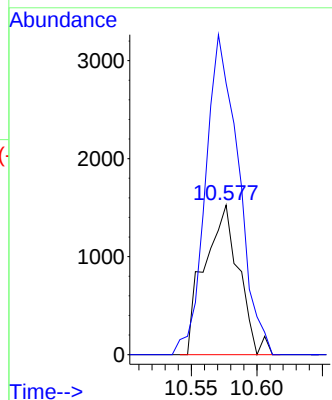
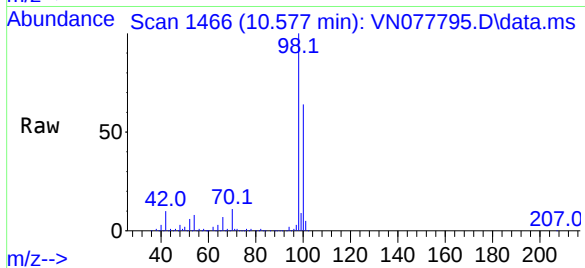
TT15811-20230519

Tgt Ion: 43 Resp: 2786

Ion Ratio Lower Upper

43 100

58 205.6 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 40.997 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN077795.D

Acq: 22 May 2023 17:29

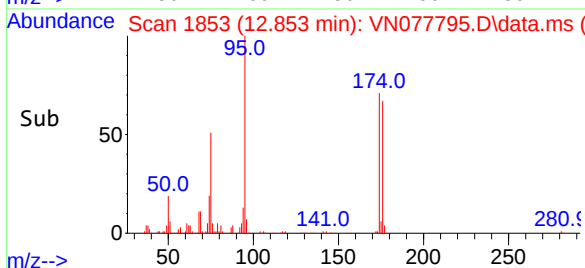
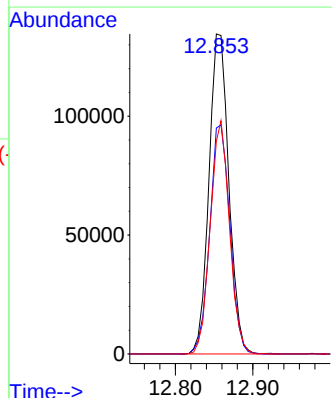
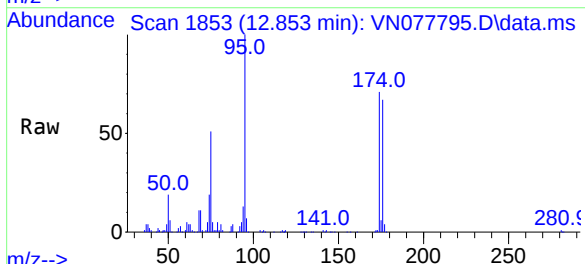
Tgt Ion: 95 Resp: 239703

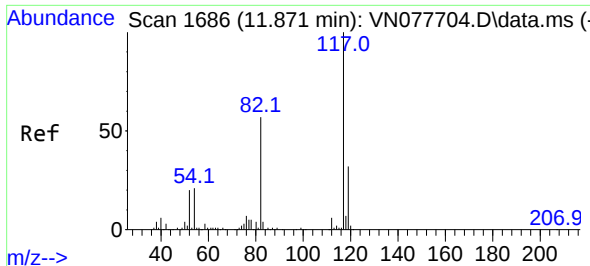
Ion Ratio Lower Upper

95 100

174 72.6 0.0 143.8

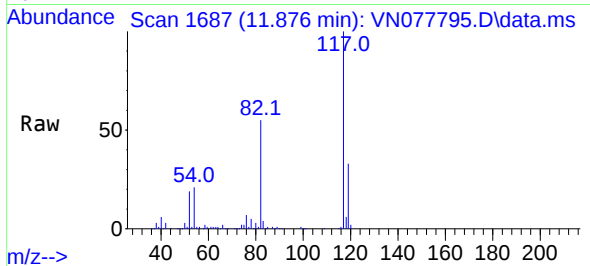
176 70.4 0.0 135.8



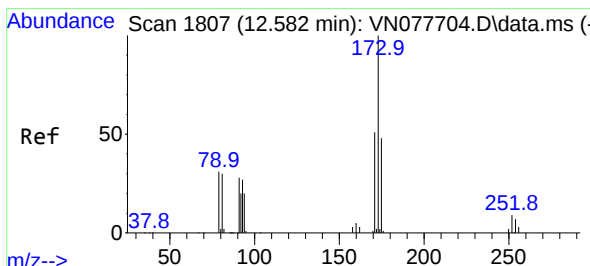
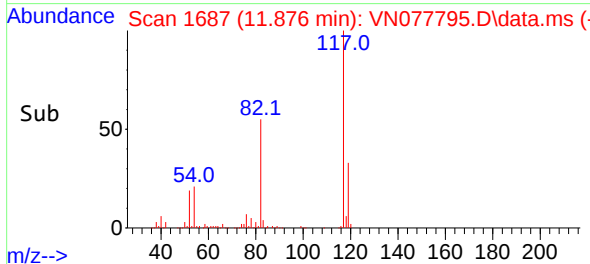
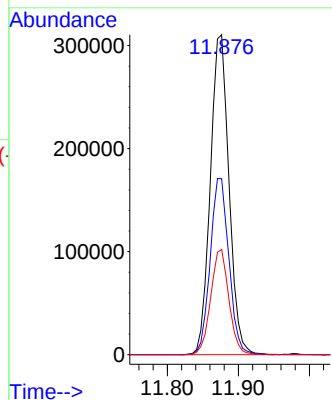


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

Instrument :
MSVOA_N
ClientSampleId :
TT15811-20230519

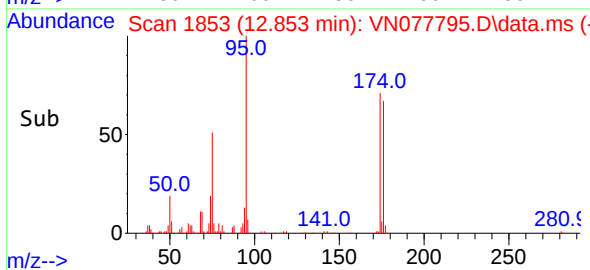
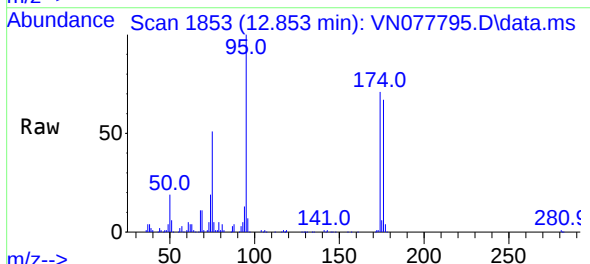
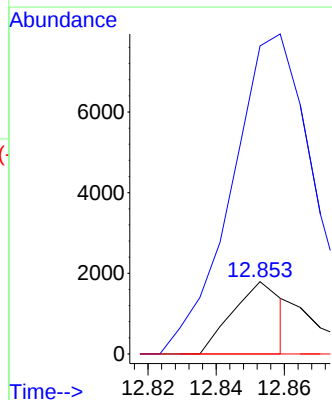


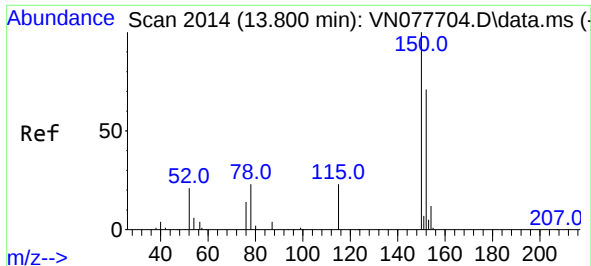
Tgt Ion:117 Resp: 566257
Ion Ratio Lower Upper
117 100
82 55.0 44.0 66.0
119 32.9 25.6 38.4



#71
Bromoform
Concen: 0.638 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

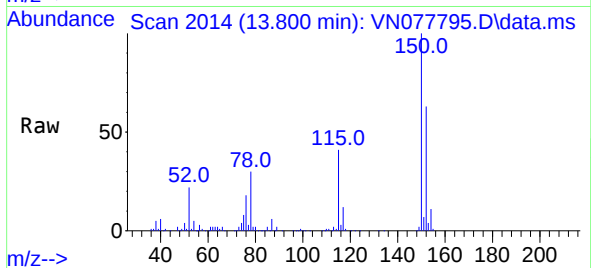
Tgt Ion:173 Resp: 1804
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



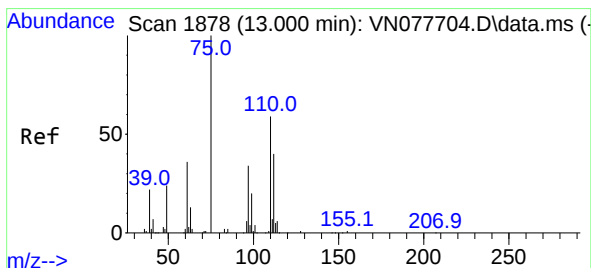
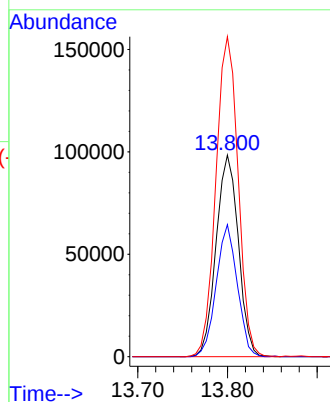
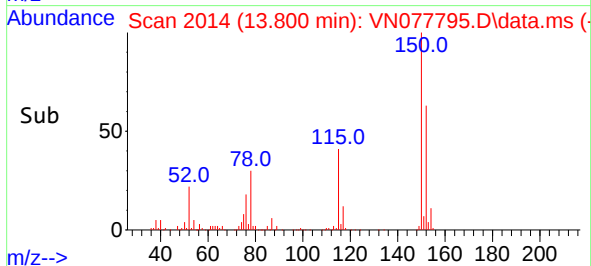


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

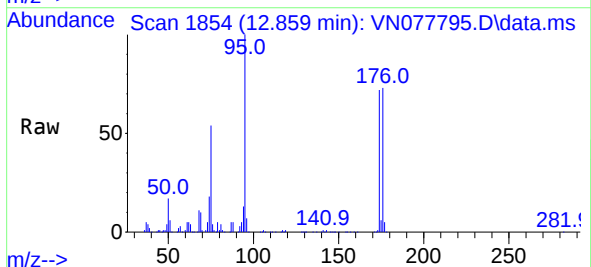
Instrument :
MSVOA_N
ClientSampleId :
TT15811-20230519



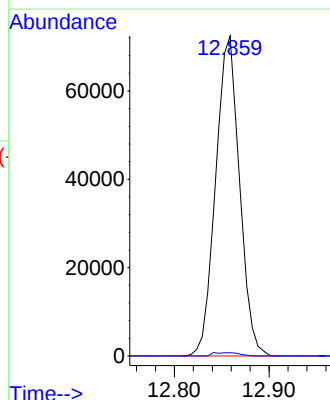
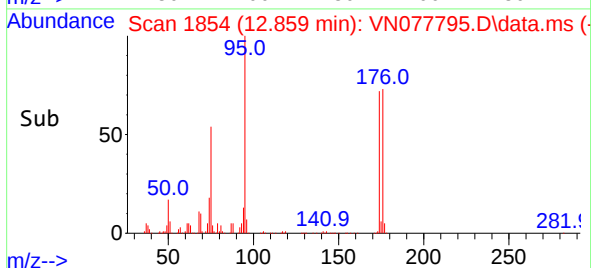
Tgt Ion:152 Resp: 169548
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 158.5 0.0 355.8

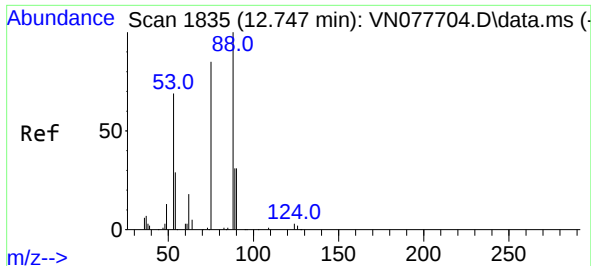


#76
1,2,3-Trichloropropane
Concen: 29.872 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29



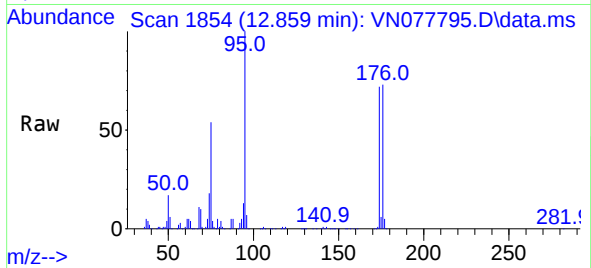
Tgt Ion: 75 Resp: 126841
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 95.488 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN077795.D
Acq: 22 May 2023 17:29

Instrument :
MSVOA_N
ClientSampleId :
TT15811-20230519



Tgt Ion: 75 Resp: 126841
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

