

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077706.D
 Acq On : 17 May 2023 12:00
 Operator : JC\MD
 Sample : VN0517WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBL01

Quant Time: May 18 01:37:23 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)

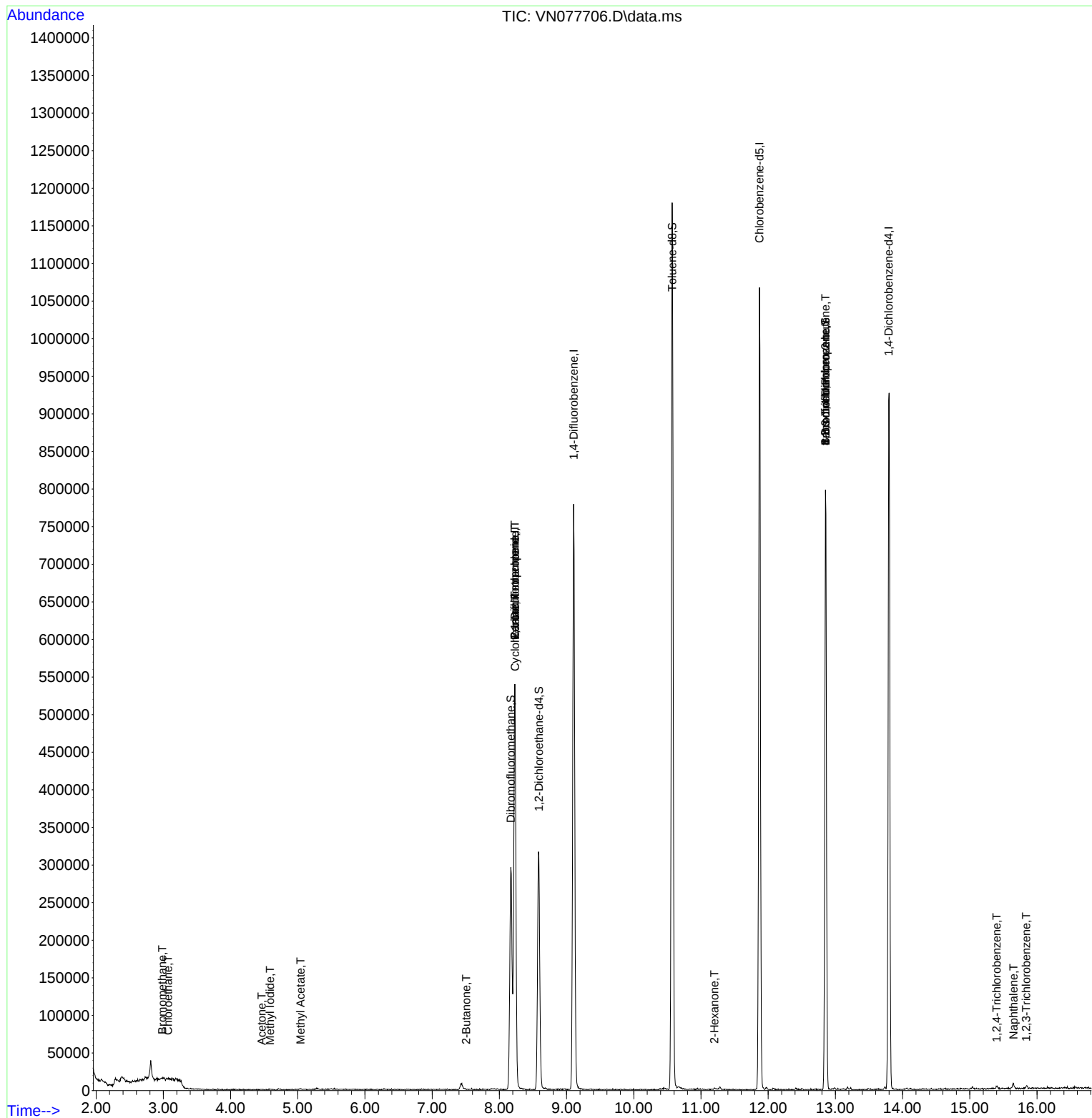
Internal Standards						
1) Pentafluorobenzene	8.230	168	372356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	671866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	613722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	249278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	262401	47.098	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.200%
35) Dibromofluoromethane	8.171	113	215855	49.269	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.540%
50) Toluene-d8	10.571	98	842785	49.977	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.853	95	283842	47.658	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1442	Below Cal	#	48
5) Bromomethane	2.983	94	1902	0.481	ug/l #	64
6) Chloroethane	3.071	64	851	0.221	ug/l	93
10) Methyl Iodide	4.589	142	1205	0.245	ug/l #	38
13) Acrolein	4.195	56	113	Below Cal		95
16) Acetone	4.465	43	1362	0.777	ug/l #	40
18) Methyl Acetate	5.042	43	1495	0.203	ug/l #	49
20) Methylene Chloride	5.271	84	1085	Below Cal	#	36
25) 2-Butanone	7.506	43	580	0.212	ug/l #	37
31) Cyclohexane	8.236	56	9092	1.201	ug/l #	41
36) 1,1-Dichloropropene	8.230	75	34710	5.417	ug/l #	47
38) Carbon Tetrachloride	8.230	117	40862	6.315	ug/l #	18
59) 2-Hexanone	11.200	43	1740	0.424	ug/l	64
71) Bromoform	12.853	173	1809	0.591	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	150821	24.159	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	150821	77.225	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	1288	0.260	ug/l #	54
95) Naphthalene	15.653	128	6784	0.398	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	1337	0.276	ug/l	75

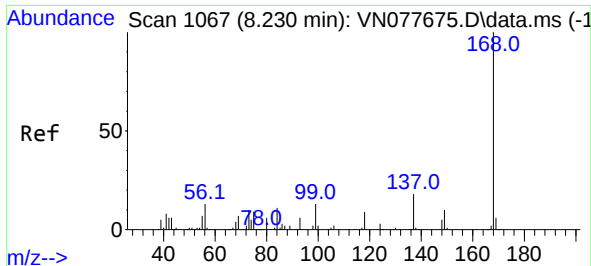
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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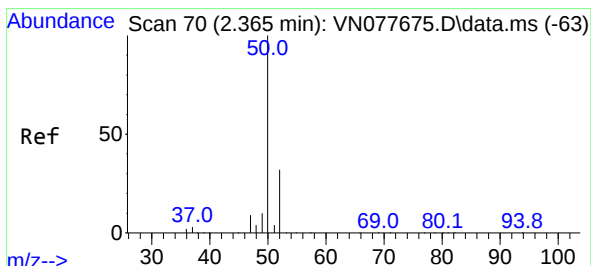
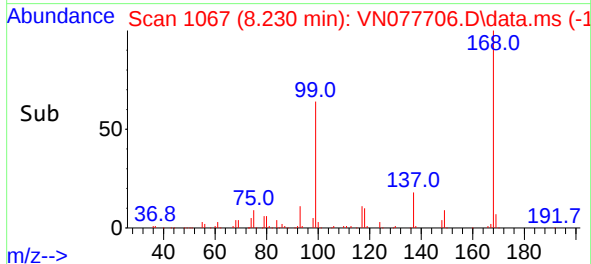
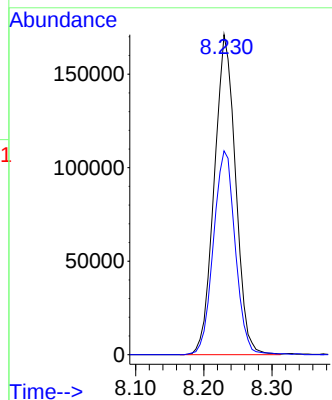
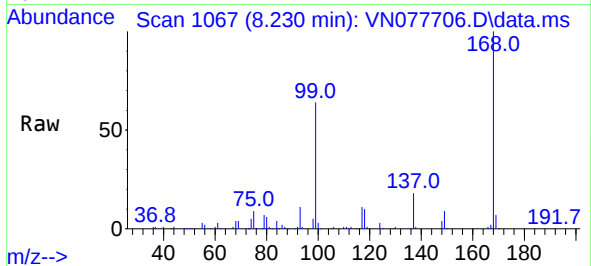




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

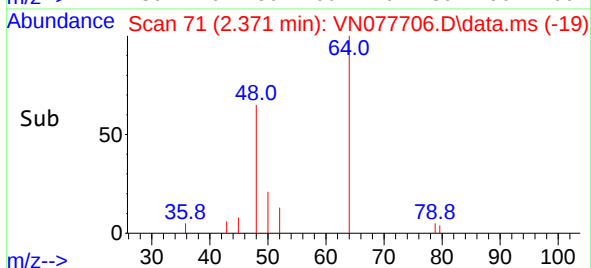
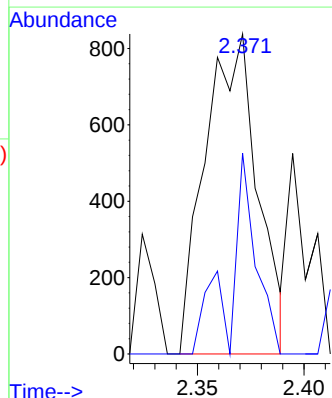
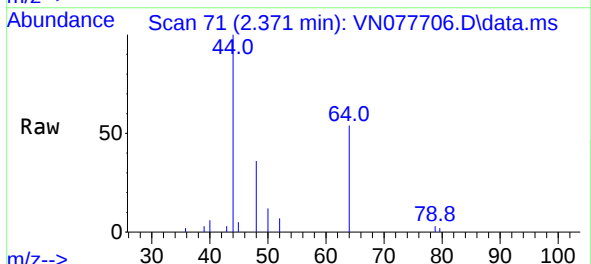
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

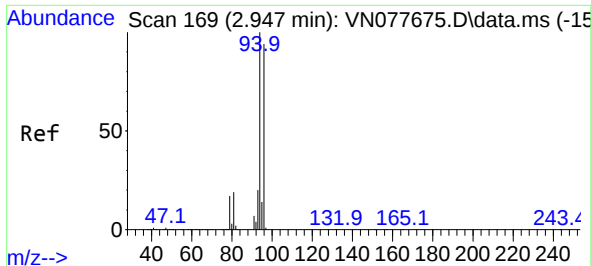
Tgt Ion:168 Resp: 372356
Ion Ratio Lower Upper
168 100
99 63.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

Tgt Ion: 50 Resp: 1442
Ion Ratio Lower Upper
50 100
52 62.8 26.5 39.7#

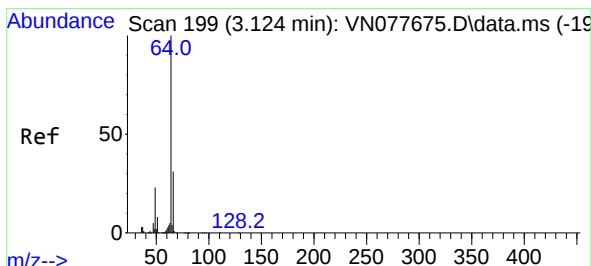
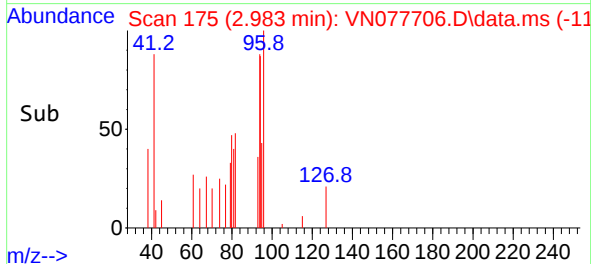
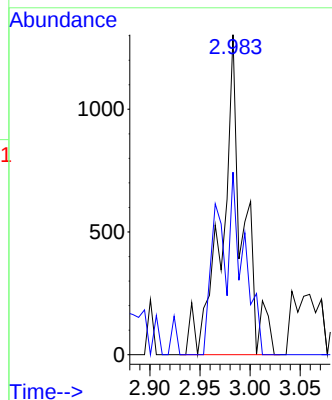
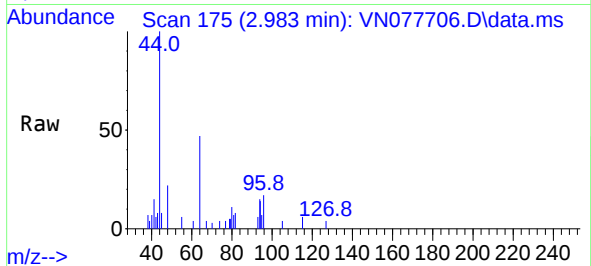




#5
Bromomethane
Concen: 0.481 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

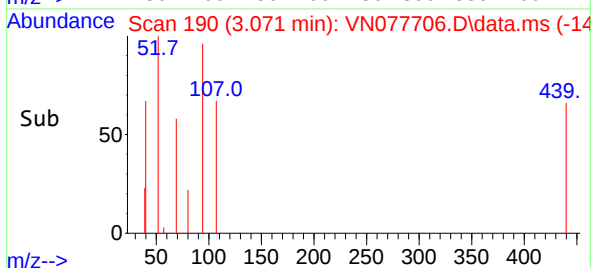
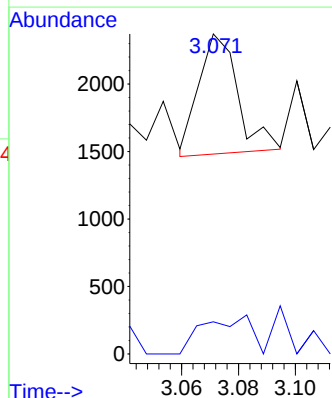
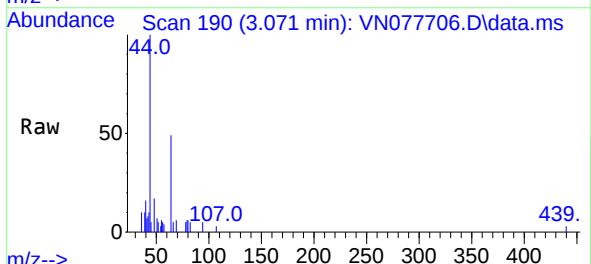
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

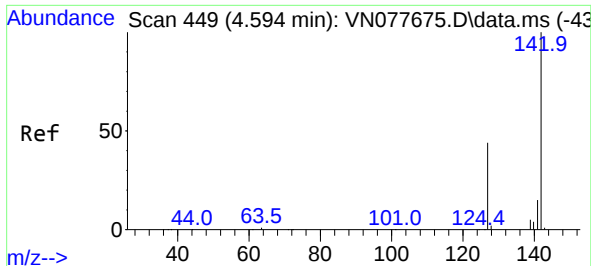
Tgt Ion: 94 Resp: 1902
Ion Ratio Lower Upper
94 100
96 57.1 73.1 109.7#



#6
Chloroethane
Concen: 0.221 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.053 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

Tgt Ion: 64 Resp: 851
Ion Ratio Lower Upper
64 100
66 27.9 25.4 38.2

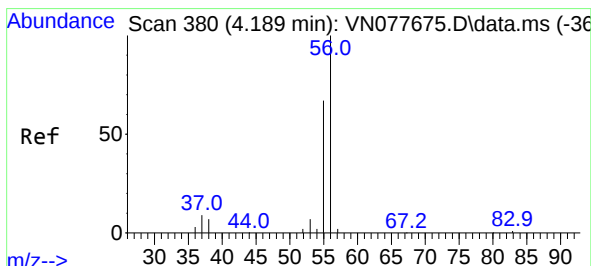
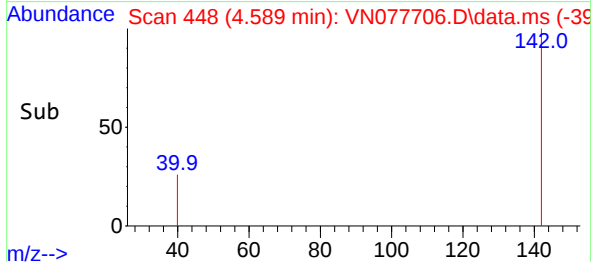
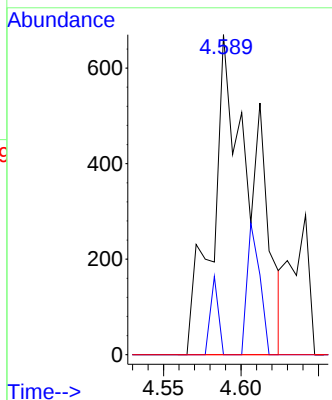
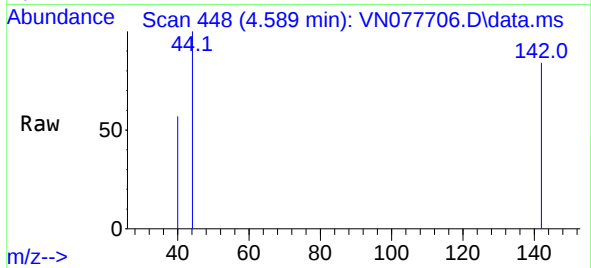




#10
Methyl Iodide
Concen: 0.245 ug/l
RT: 4.589 min Scan# 44
Delta R.T. -0.005 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

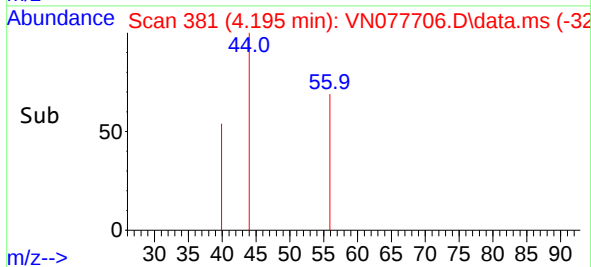
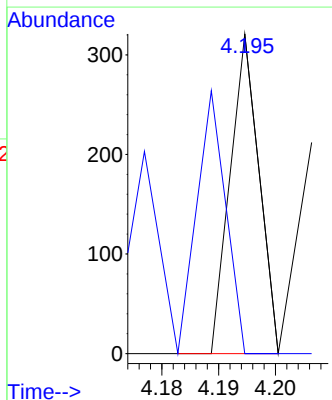
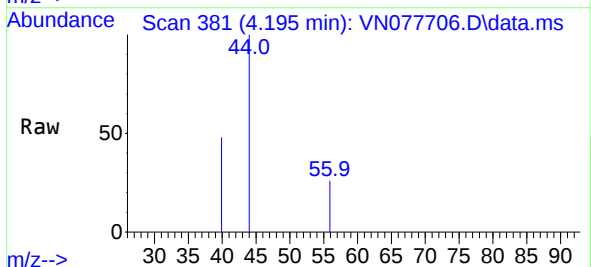
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

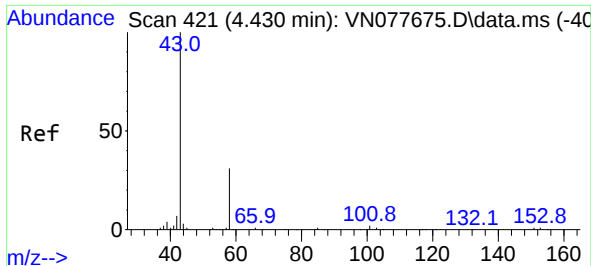
Tgt Ion:142 Resp: 1205
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

Tgt Ion: 56 Resp: 113
Ion Ratio Lower Upper
56 100
55 63.7 54.5 81.7

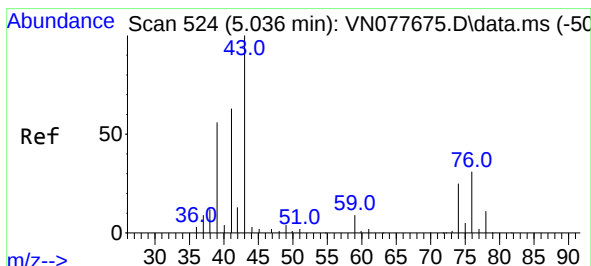
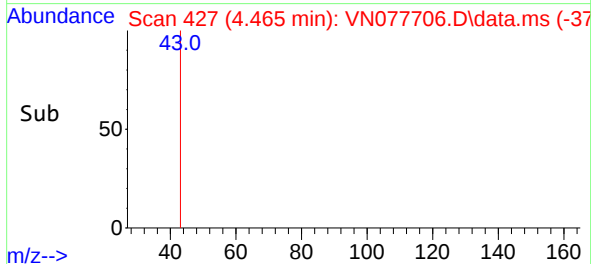
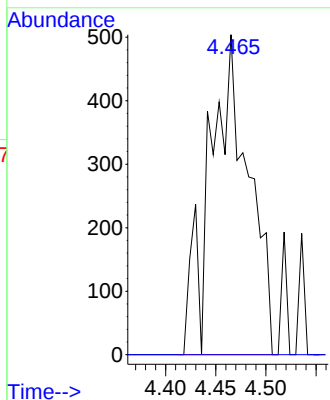
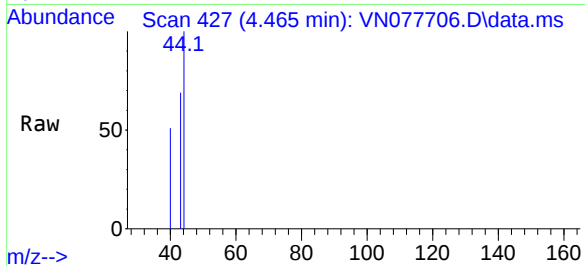




#16
Acetone
Concen: 0.777 ug/l
RT: 4.465 min Scan# 431
Delta R.T. 0.035 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

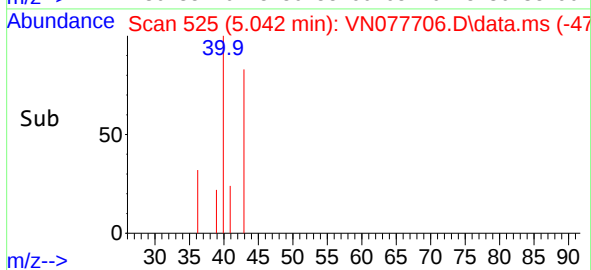
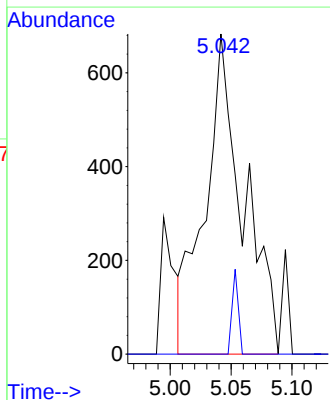
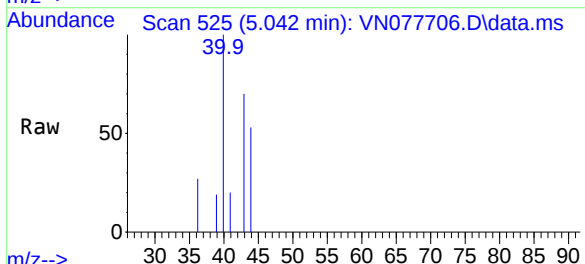
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

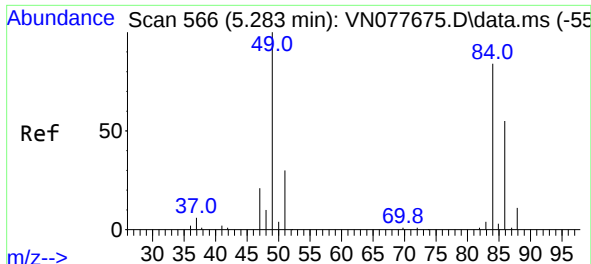
Tgt Ion: 43 Resp: 1362
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.203 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

Tgt Ion: 43 Resp: 1495
Ion Ratio Lower Upper
43 100
74 4.3 26.2 39.4#

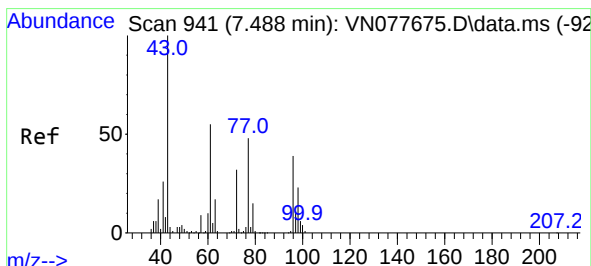
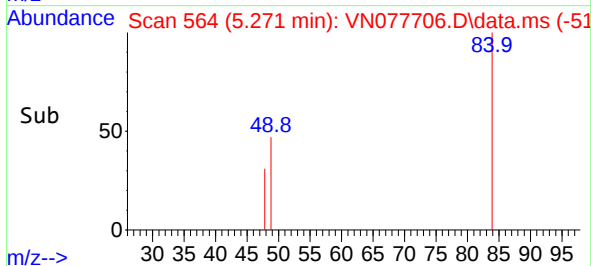
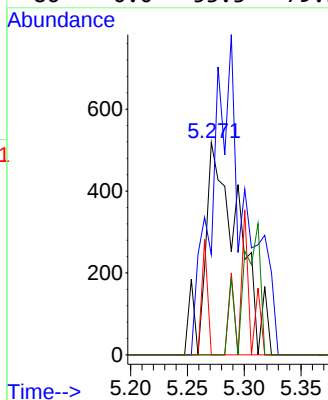
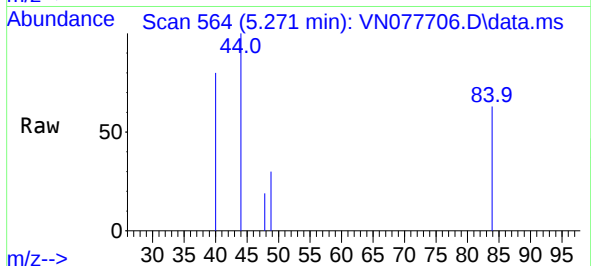




#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 501
Delta R.T. -0.012 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

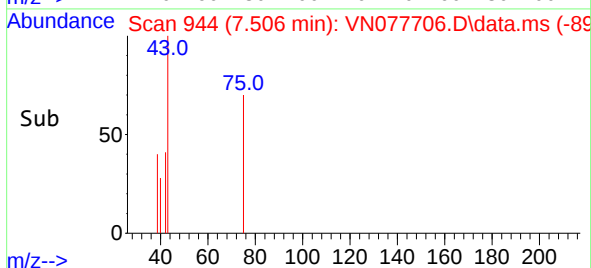
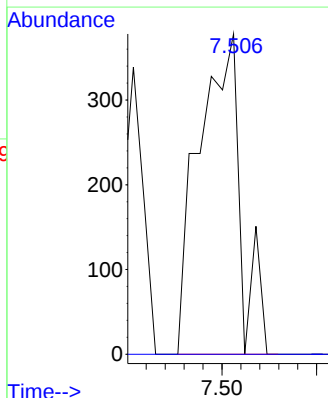
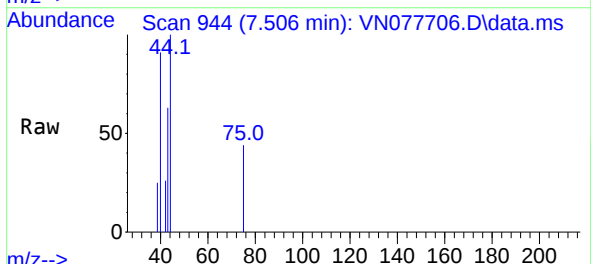
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

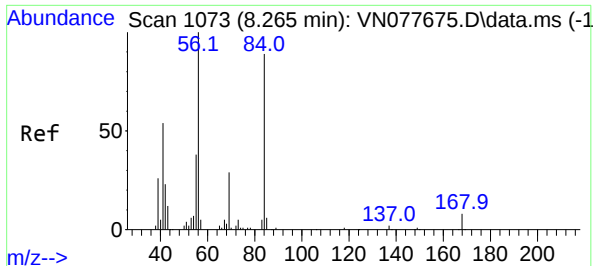
Tgt Ion: 84	Resp: 1085
Ion Ratio	Lower Upper
84 100	
49 47.2	79.7 119.5#
51 0.0	25.2 37.8#
86 0.0	53.3 79.9#



#25
2-Butanone
Concen: 0.212 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

Tgt Ion: 43	Resp:	580	
Ion Ratio	Lower	Upper	
43 100			
72 0.0	30.2	45.2#	

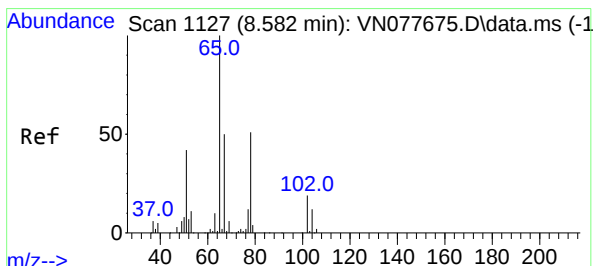
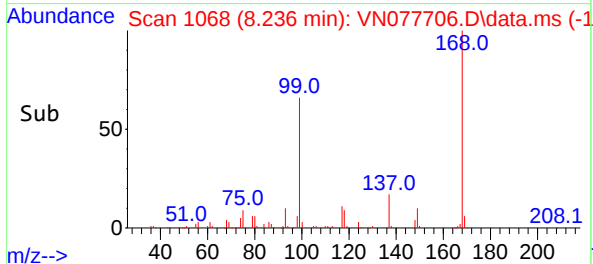
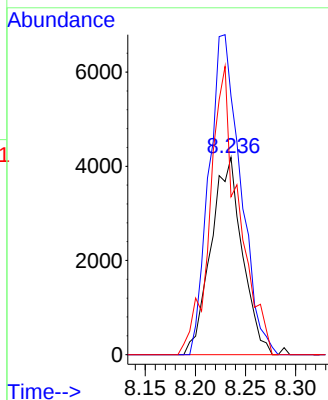
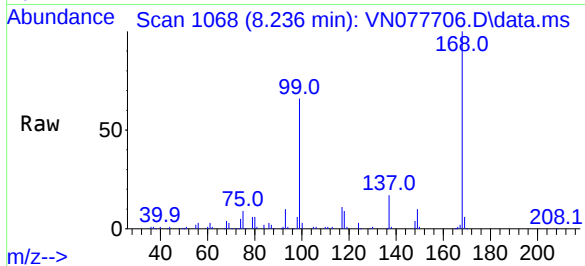




#31
Cyclohexane
Concen: 1.201 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

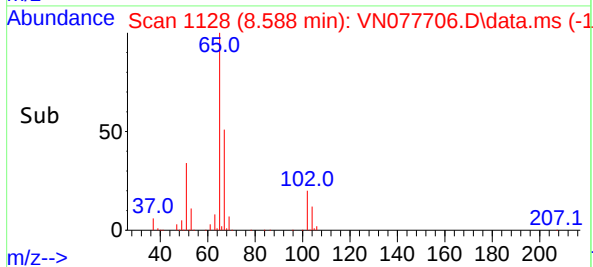
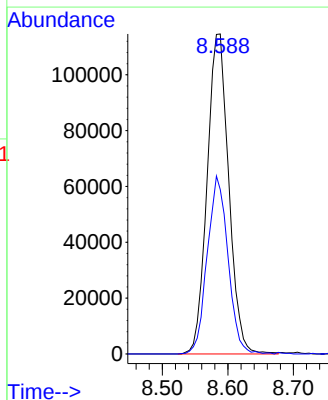
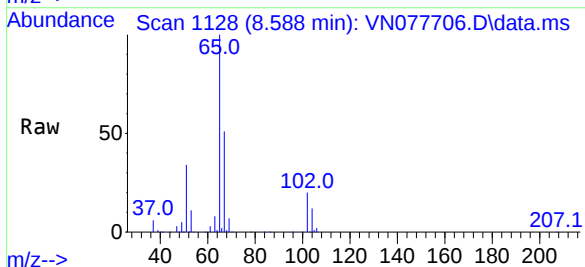
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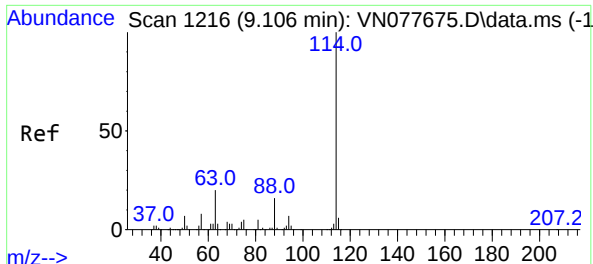
Tgt Ion: 56 Resp: 9092
Ion Ratio Lower Upper
56 100
69 131.1 26.8 40.2#
84 80.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 47.098 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

Tgt Ion: 65 Resp: 262401
Ion Ratio Lower Upper
65 100
67 53.3 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: VN077706.D

Acq: 17 May 2023 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBL01

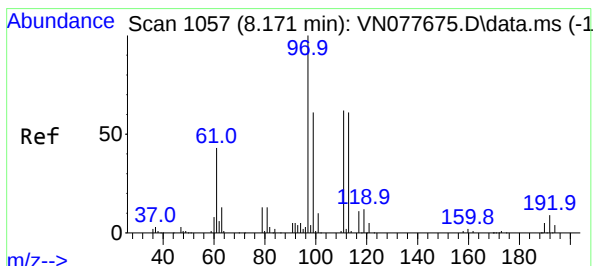
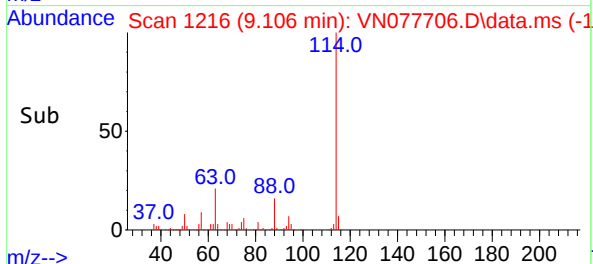
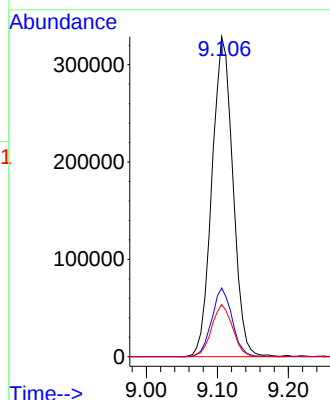
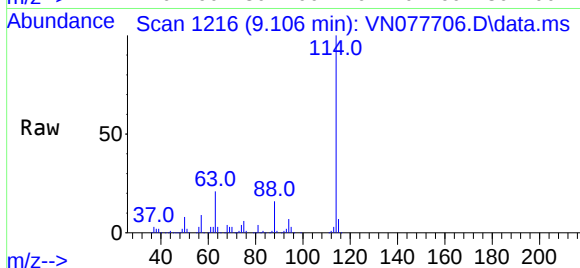
Tgt Ion:114 Resp: 671866

Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 16.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.269 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077706.D

Acq: 17 May 2023 12:00

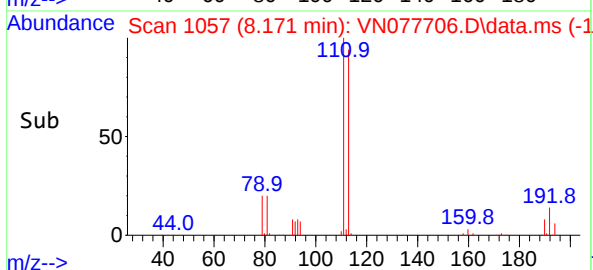
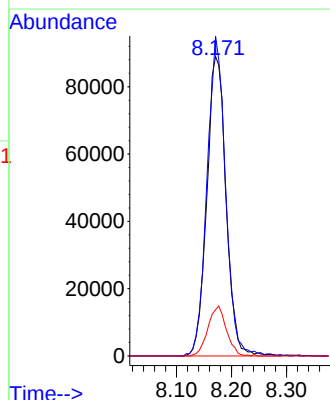
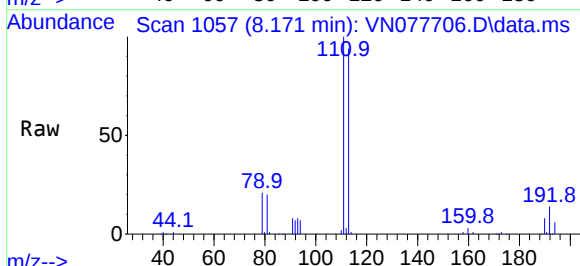
Tgt Ion:113 Resp: 215855

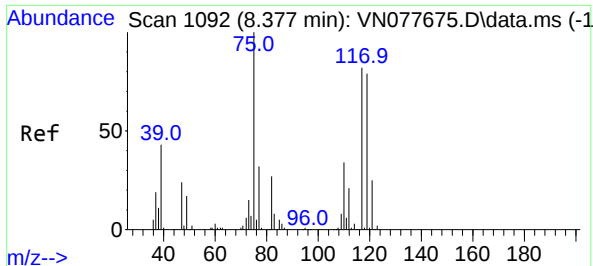
Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 16.0 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.417 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077706.D

Acq: 17 May 2023 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBL01

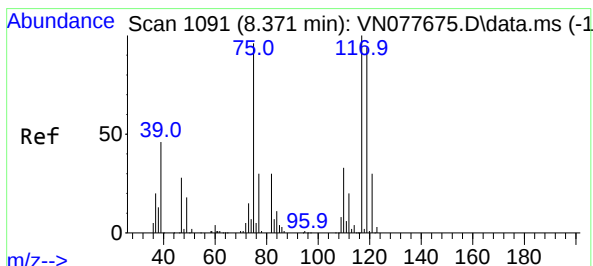
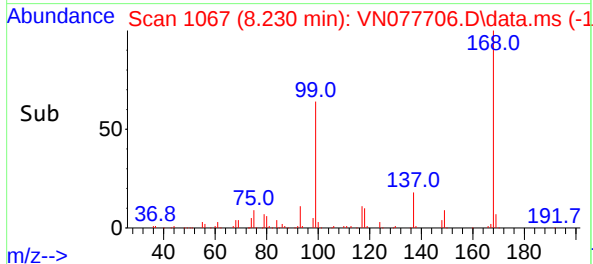
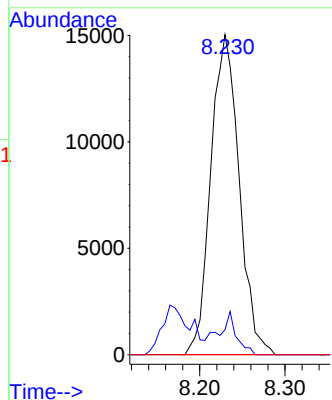
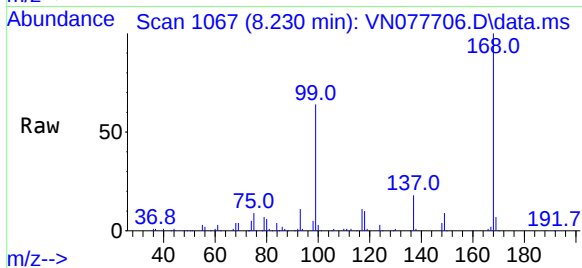
Tgt Ion: 75 Resp: 34710

Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.315 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN077706.D

Acq: 17 May 2023 12:00

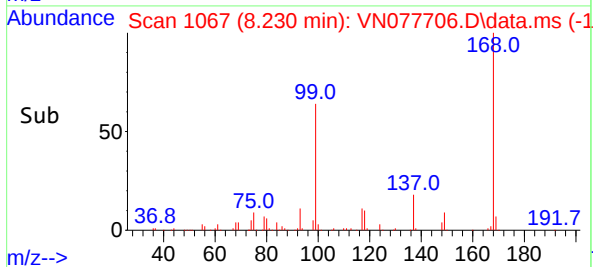
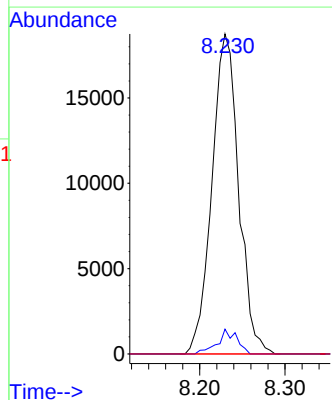
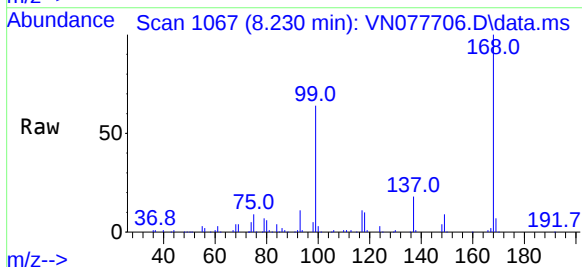
Tgt Ion: 117 Resp: 40862

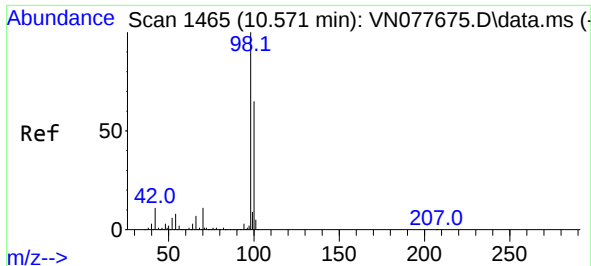
Ion Ratio Lower Upper

117 100

119 7.8 77.3 115.9#

121 0.0 23.3 34.9#

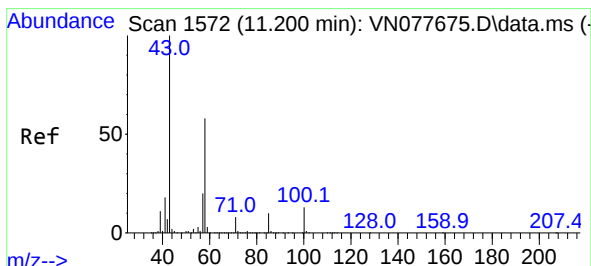
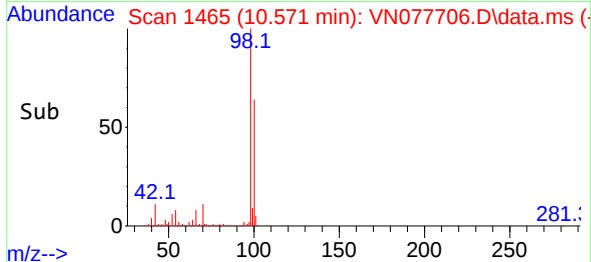
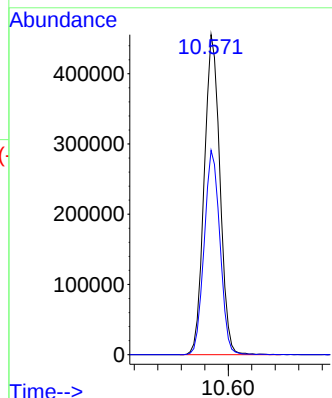
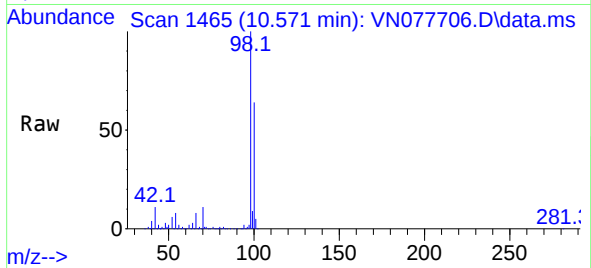




#50
Toluene-d8
Concen: 49.977 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

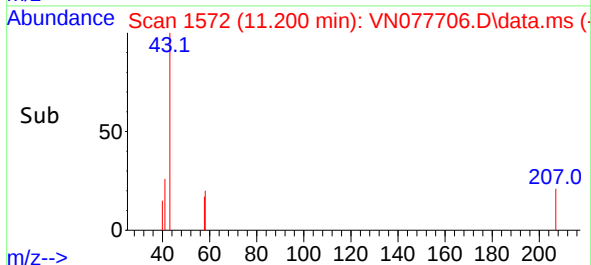
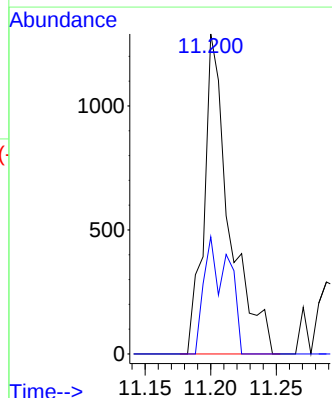
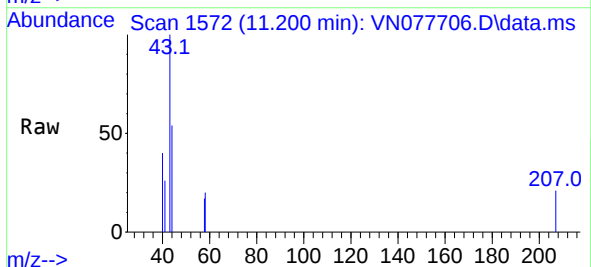
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

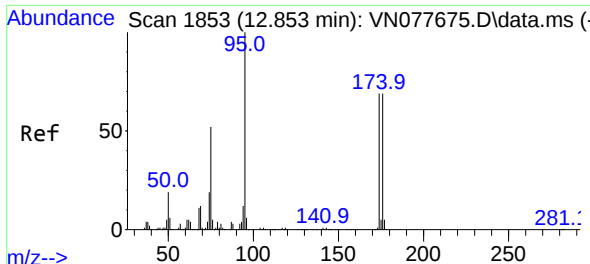
Tgt Ion: 98 Resp: 842785
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#59
2-Hexanone
Concen: 0.424 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

Tgt Ion: 43 Resp: 1740
Ion Ratio Lower Upper
43 100
58 35.0 31.7 95.1

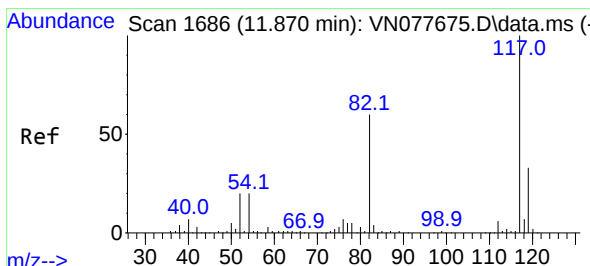
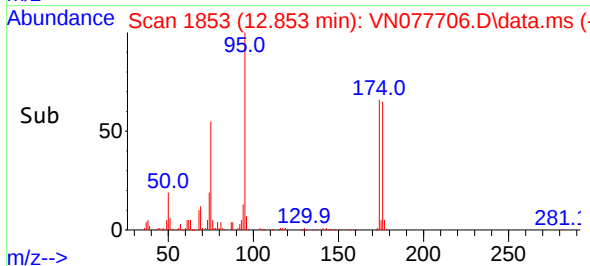
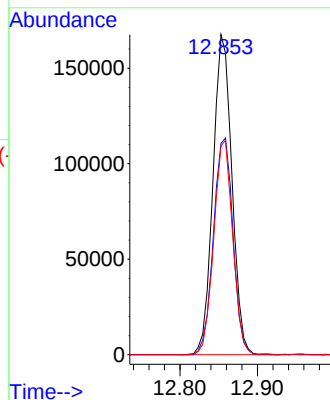
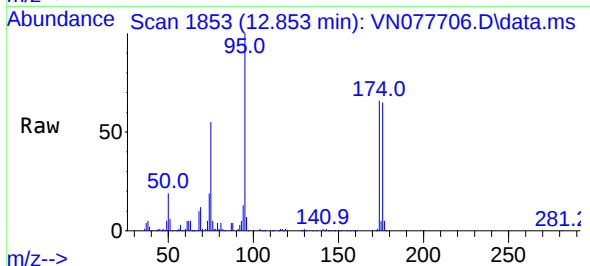




#62
4-Bromofluorobenzene
Concen: 47.658 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

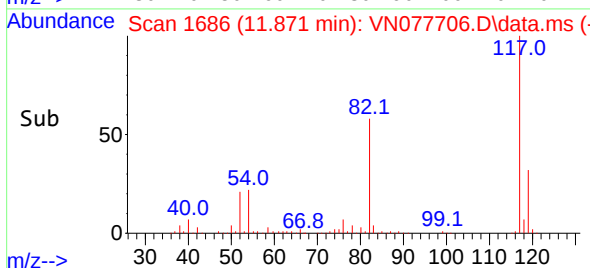
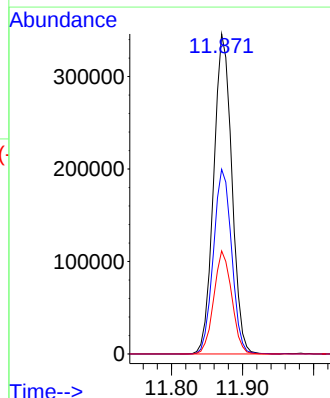
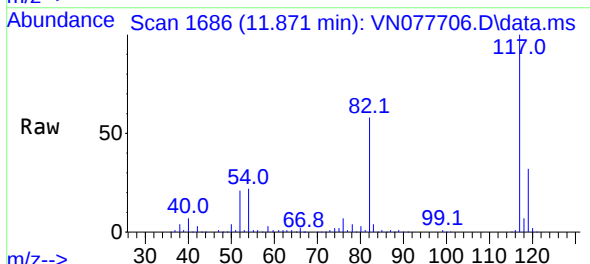
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

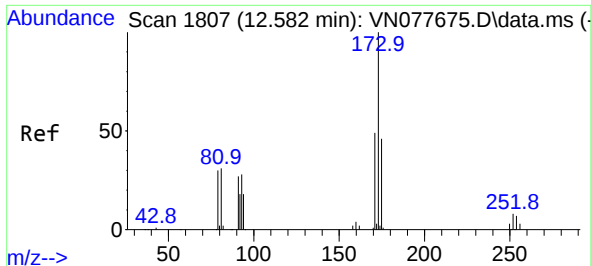
Tgt Ion: 95 Resp: 283842
Ion Ratio Lower Upper
95 100
174 69.8 0.0 143.8
176 66.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

Tgt Ion: 117 Resp: 613722
Ion Ratio Lower Upper
117 100
82 57.7 44.0 66.0
119 32.2 25.6 38.4

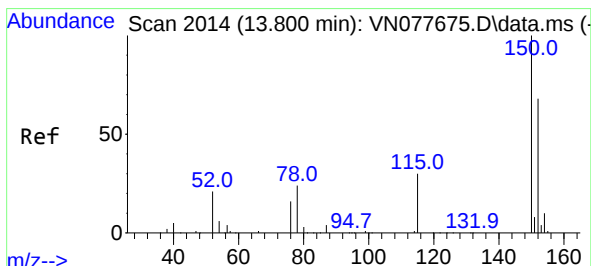
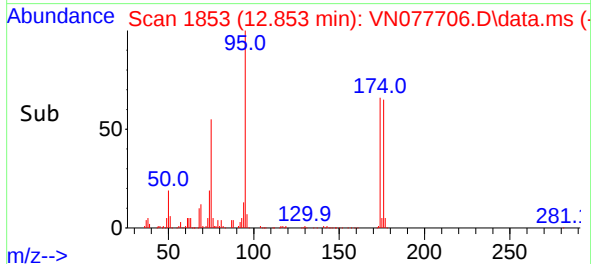
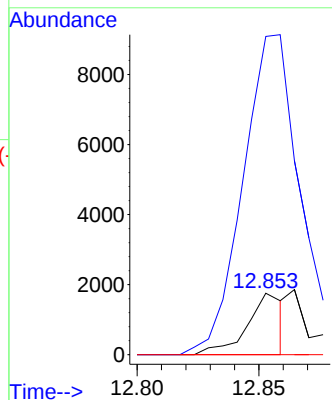
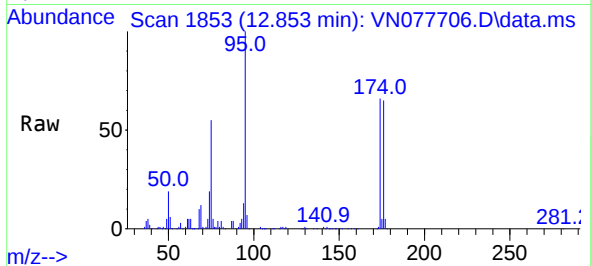




#71
Bromoform
Concen: 0.591 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

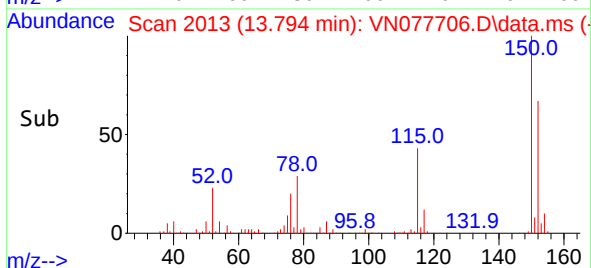
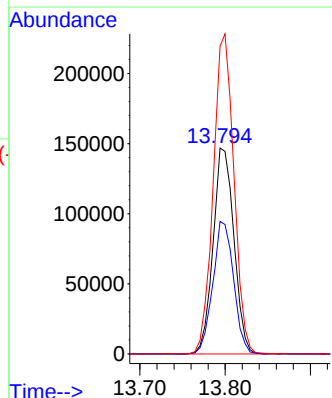
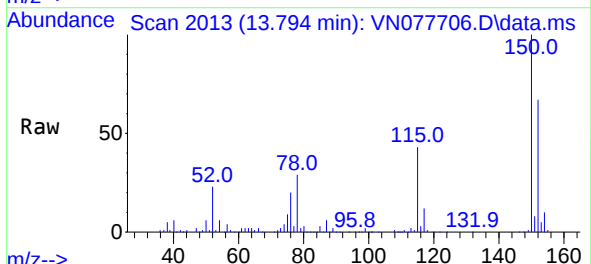
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

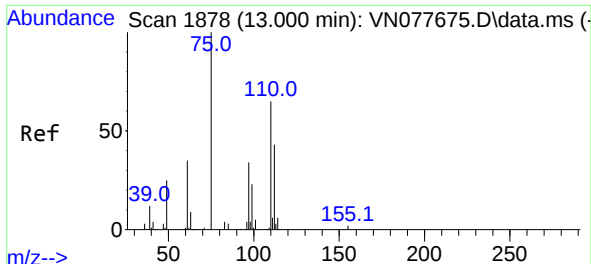
Tgt Ion:173 Resp: 1809
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

Tgt Ion:152 Resp: 249278
Ion Ratio Lower Upper
152 100
115 64.1 32.3 96.8
150 154.2 0.0 355.8

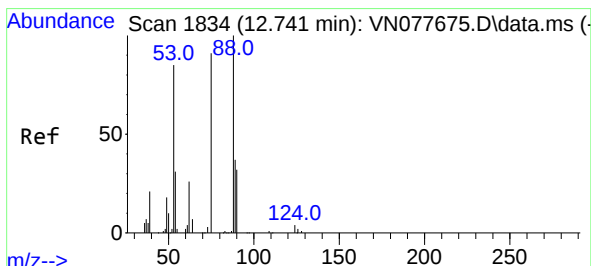
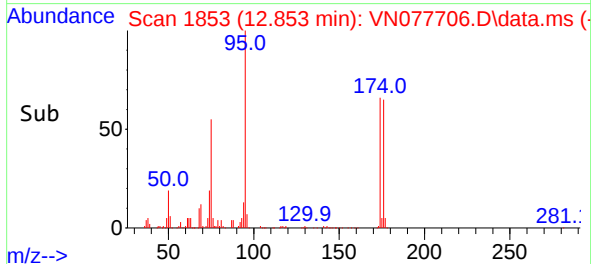
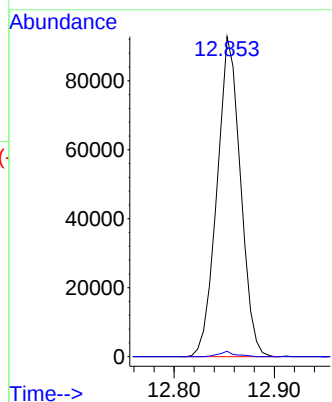
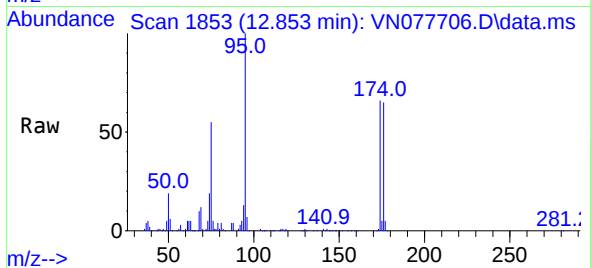




#76
1,2,3-Trichloropropane
Concen: 24.159 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

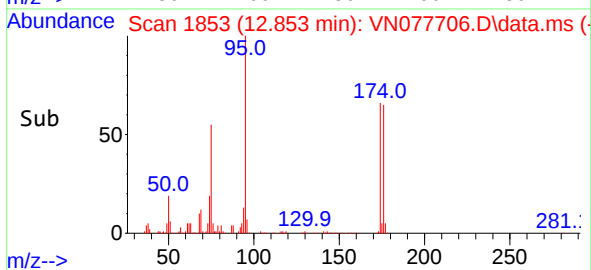
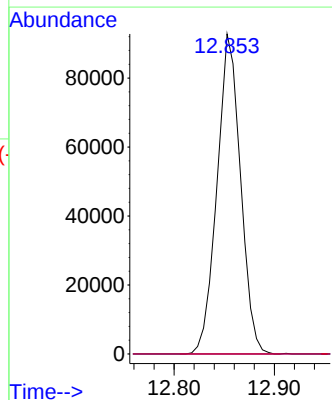
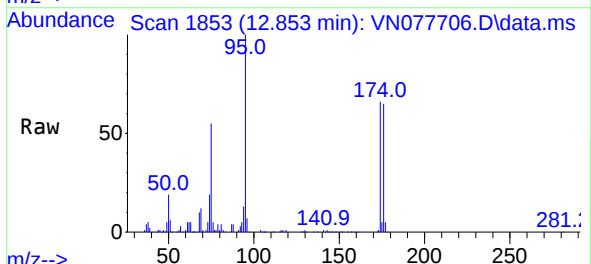
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

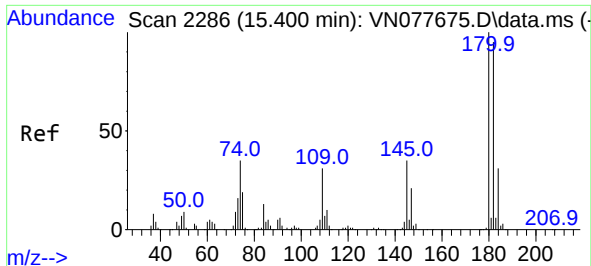
Tgt Ion: 75 Resp: 150821
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.225 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

Tgt Ion: 75 Resp: 150821
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

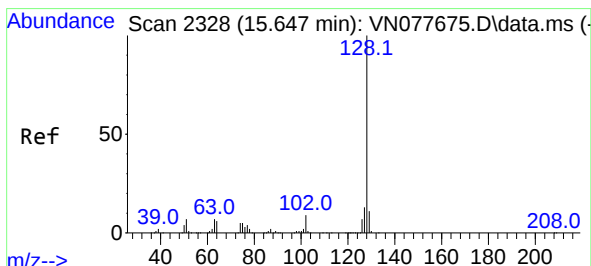
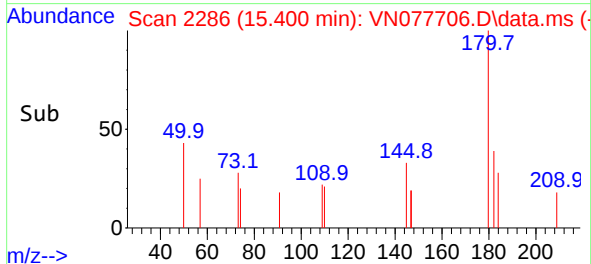
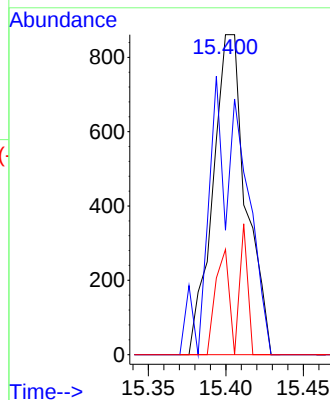
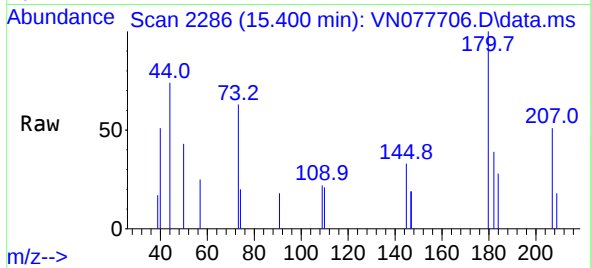




#93
1,2,4-Trichlorobenzene
Concen: 0.260 ug/l
RT: 15.400 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

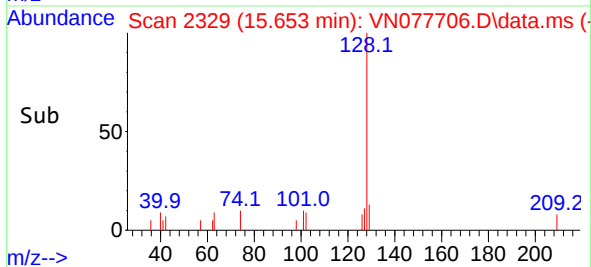
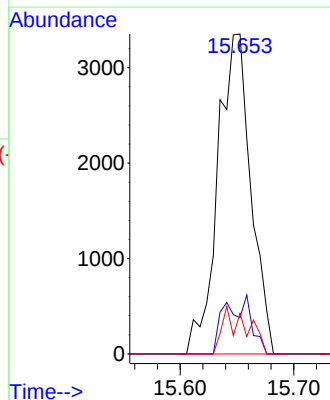
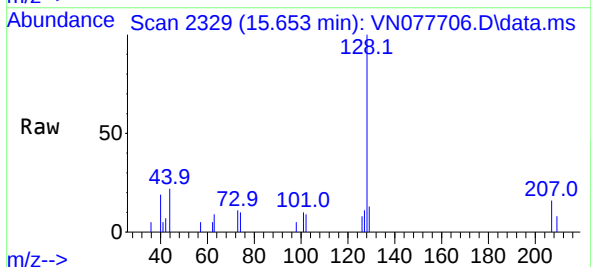
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBL01

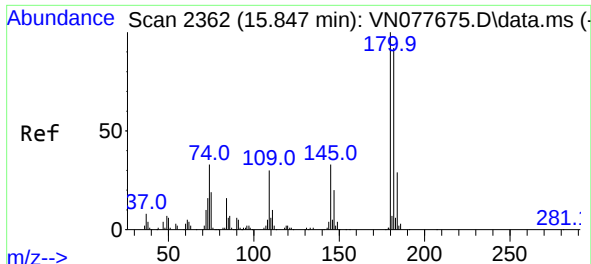
Tgt Ion:180 Resp: 1288
Ion Ratio Lower Upper
180 100
182 44.3 46.1 138.2#
145 13.4 16.6 49.8#



#95
Naphthalene
Concen: 0.398 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN077706.D
Acq: 17 May 2023 12:00

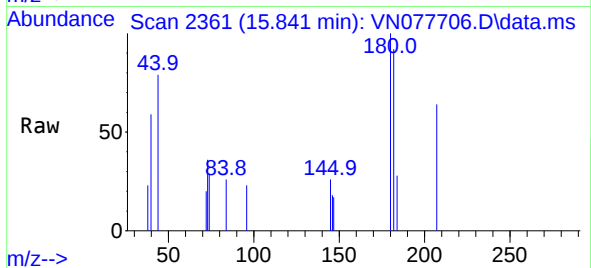
Tgt Ion:128 Resp: 6784
Ion Ratio Lower Upper
128 100
127 14.4 10.0 15.0
129 10.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.276 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN077706.D
 Acq: 17 May 2023 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBL01



Tgt Ion:	180	Resp:	1337
Ion	Ratio	Lower	Upper
180	100		
182	121.2	46.2	138.6
145	27.7	17.5	52.6

