

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
 Data File : VN077759.D
 Acq On : 19 May 2023 13:15
 Operator : JC\MD
 Sample : 02834-12DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D3-20230517DL

Quant Time: May 29 09:47:12 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)

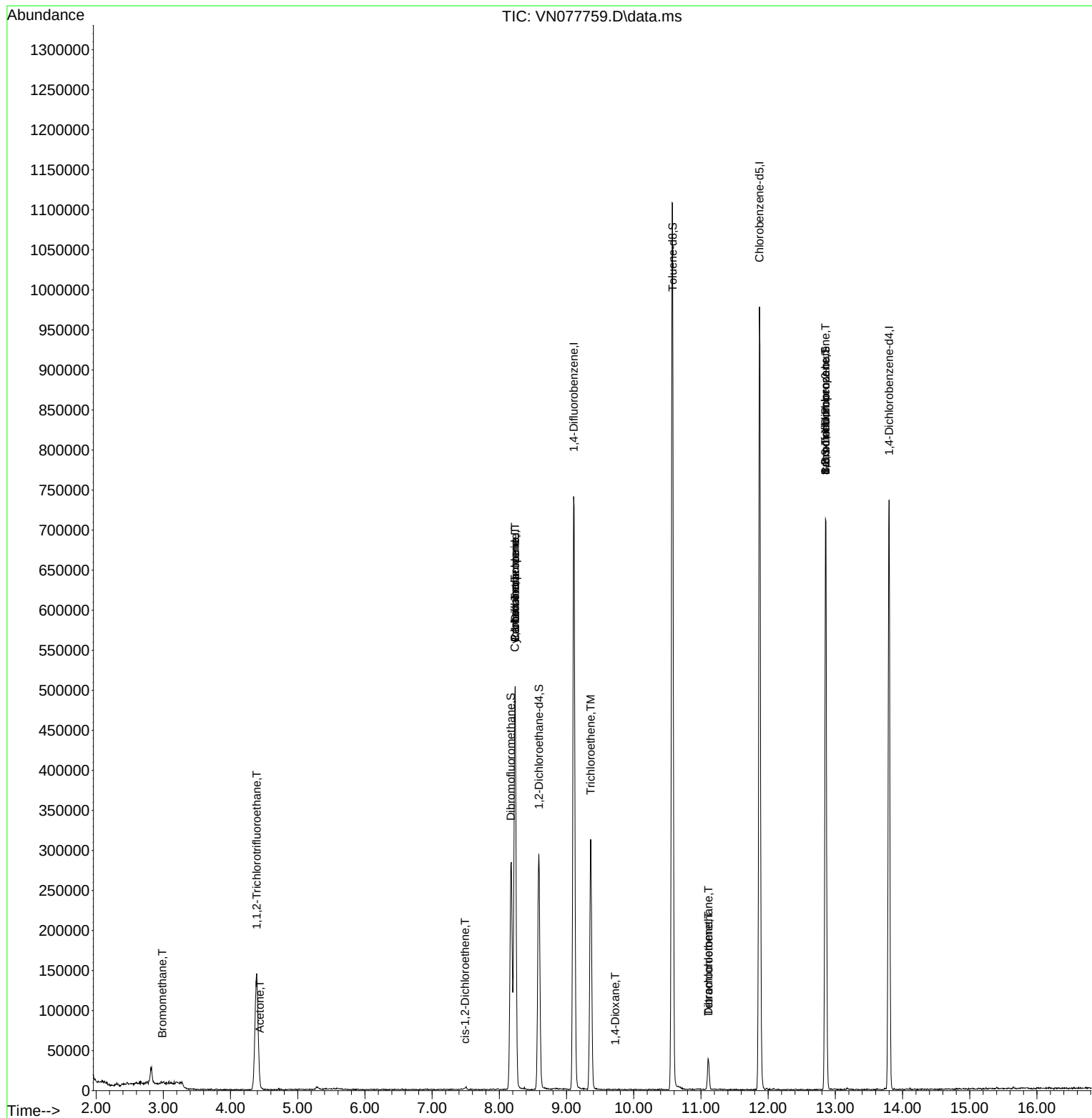
Internal Standards						
1) Pentafluorobenzene	8.236	168	361690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	656257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	579853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	199961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	246866	45.616	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.240%
35) Dibromofluoromethane	8.171	113	210754	49.249	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.500%
50) Toluene-d8	10.577	98	808996	49.114	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.220%
62) 4-Bromofluorobenzene	12.853	95	262409	45.107	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1108	Below Cal	#	88
5) Bromomethane	2.983	94	1207	0.314	ug/l #	80
9) 1,1,2-Trichlorotrifluo...	4.389	101	97741	24.420	ug/l	98
13) Acrolein	4.201	56	149	Below Cal	#	52
16) Acetone	4.436	43	438	0.257	ug/l #	40
20) Methylene Chloride	5.283	84	1119	Below Cal	#	61
27) cis-1,2-Dichloroethene	7.489	96	1792	0.350	ug/l	95
31) Cyclohexane	8.230	56	8471	1.152	ug/l #	47
36) 1,1-Dichloropropene	8.236	75	32800	5.240	ug/l #	48
38) Carbon Tetrachloride	8.236	117	38396	6.075	ug/l #	14
44) Trichloroethene	9.359	130	110470	23.620	ug/l	95
49) 1,4-Dioxane	9.724	88	56	0.686	ug/l #	1
60) Dibromochloromethane	11.112	129	8426	1.788	ug/l #	11
64) Tetrachloroethene	11.112	164	9085	2.240	ug/l #	70
71) Bromoform	12.853	173	2247	0.777	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	141326	28.222	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	141326	90.211	ug/l #	15

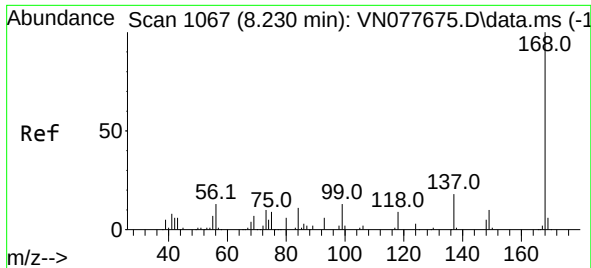
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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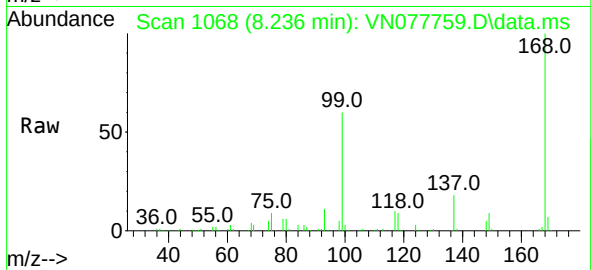
Quant Time: May 29 09:47:12 2023
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Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
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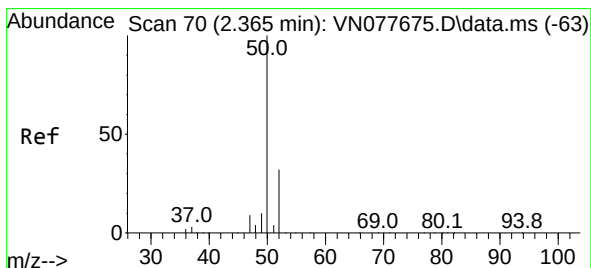
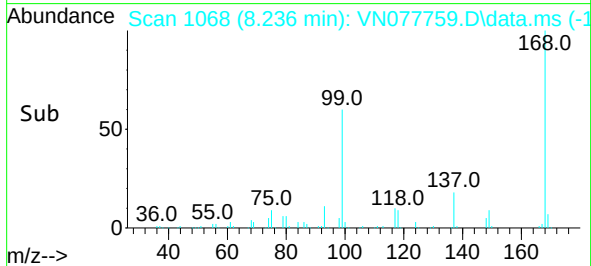
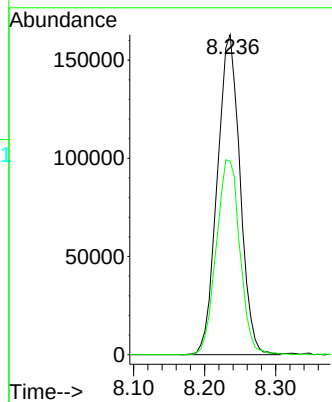


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20230517DL

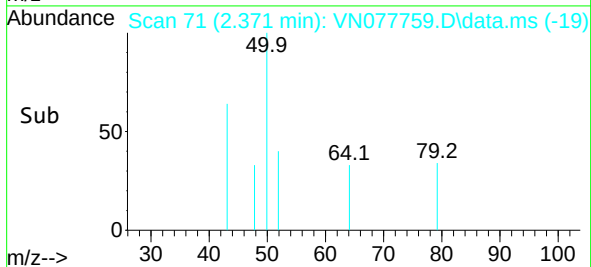
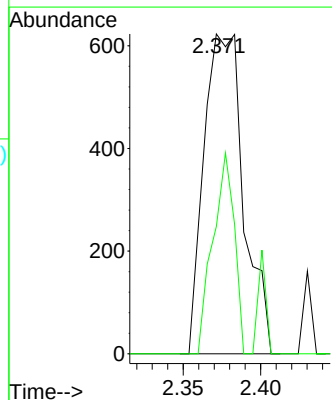
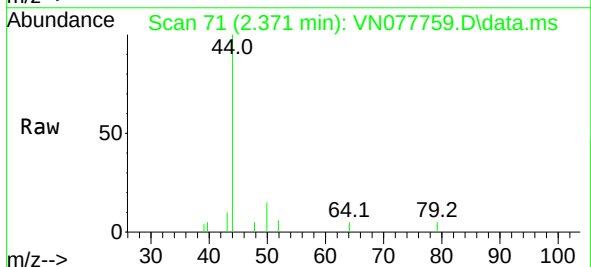


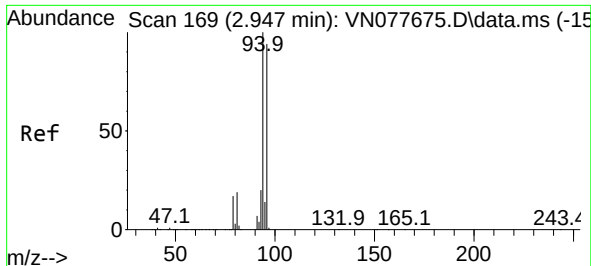
Tgt Ion:168 Resp: 361690
Ion Ratio Lower Upper
168 100
99 60.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

Tgt Ion: 50 Resp: 1108
Ion Ratio Lower Upper
50 100
52 39.8 26.5 39.7#

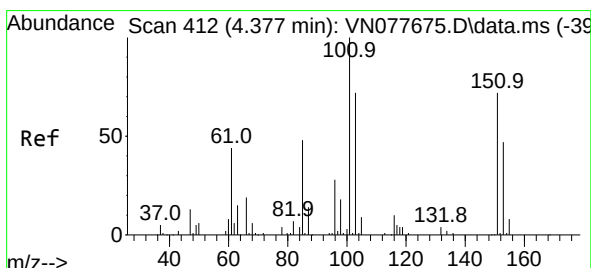
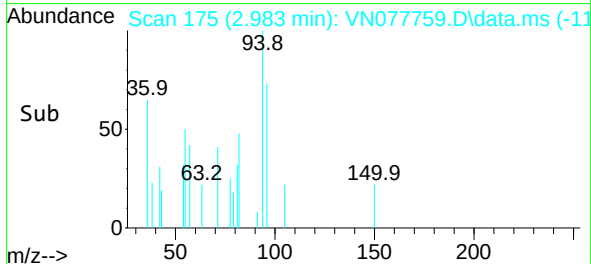
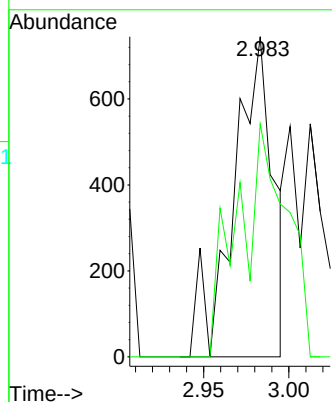
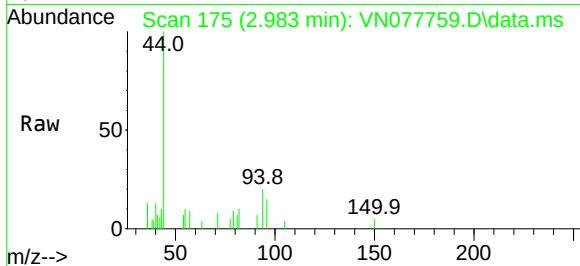




#5
Bromomethane
Concen: 0.314 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

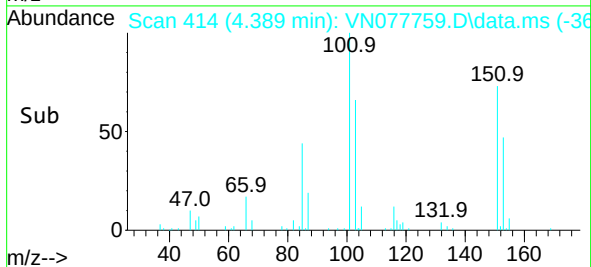
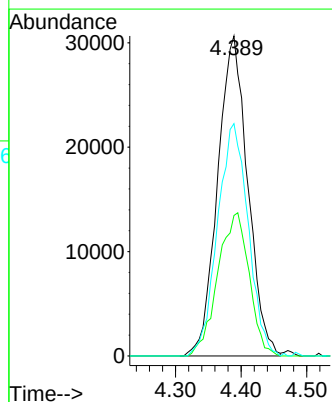
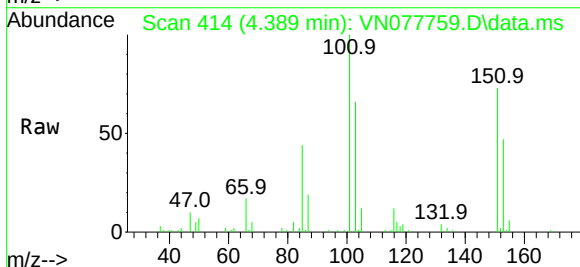
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20230517DL

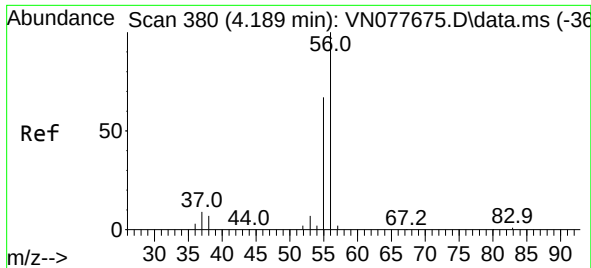
Tgt Ion: 94 Resp: 1207
Ion Ratio Lower Upper
94 100
96 72.8 73.1 109.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 24.420 ug/l
RT: 4.389 min Scan# 414
Delta R.T. 0.012 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

Tgt Ion:101 Resp: 97741
Ion Ratio Lower Upper
101 100
85 46.5 36.6 55.0
151 74.1 57.6 86.4

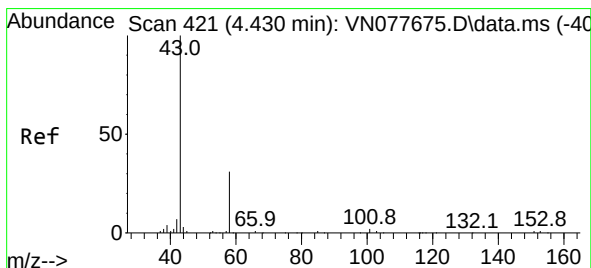
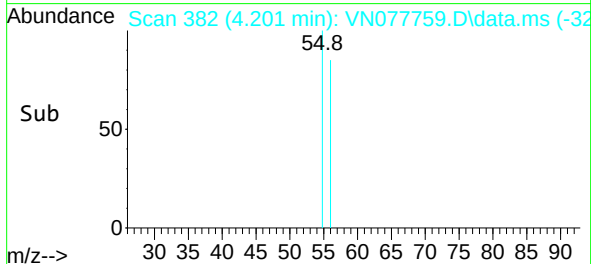
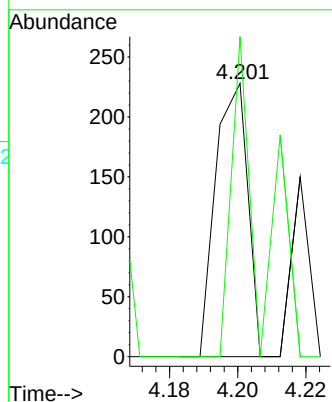
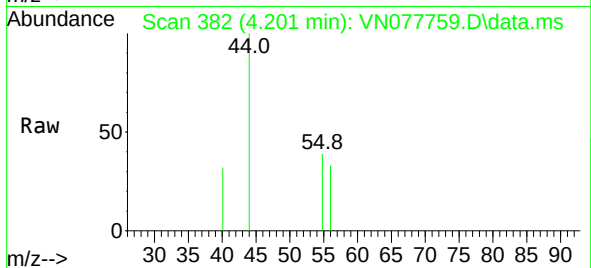




#13
Acrolein
Concen: Below Cal
RT: 4.201 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

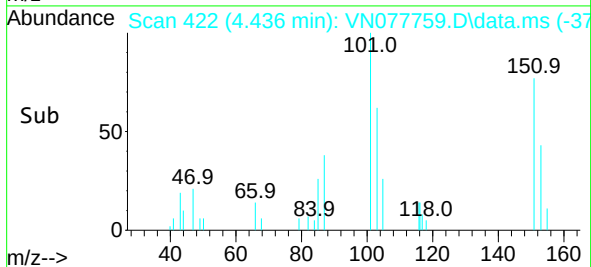
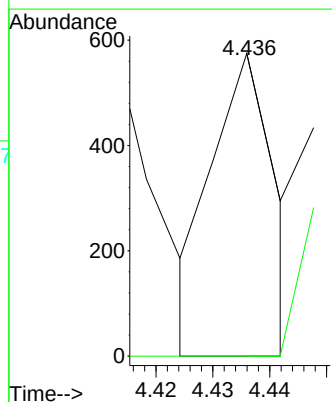
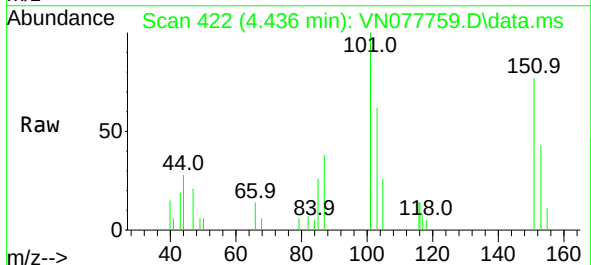
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20230517DL

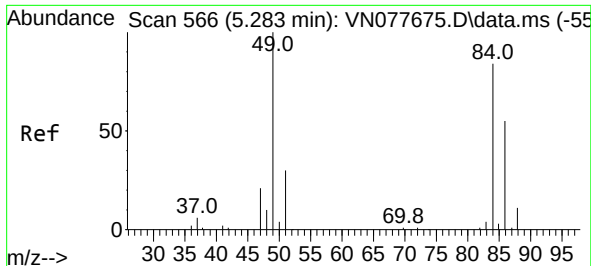
Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 106.7 54.5 81.7#



#16
Acetone
Concen: 0.257 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

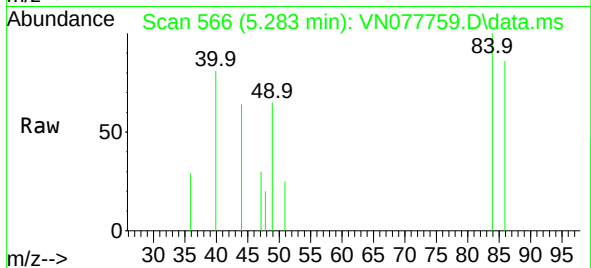
Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



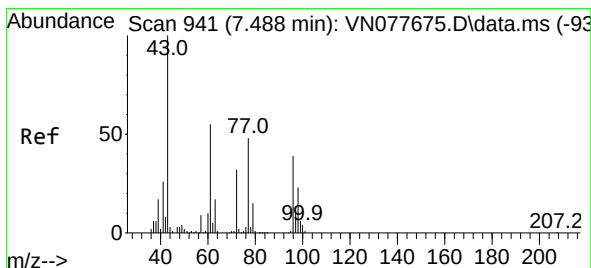
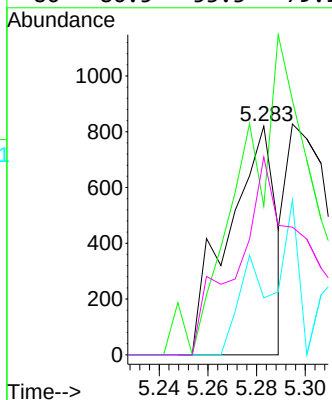
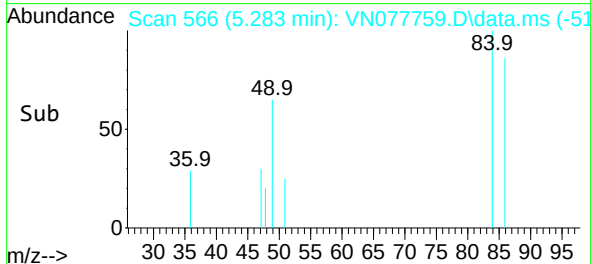


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 50
Delta R.T. -0.000 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

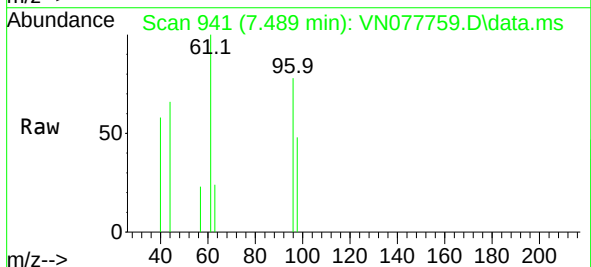
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20230517DL



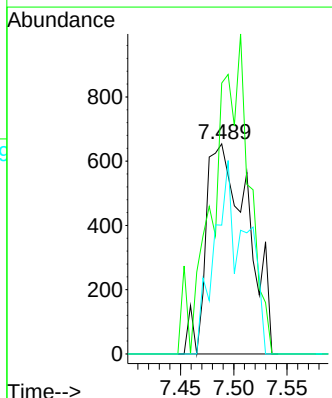
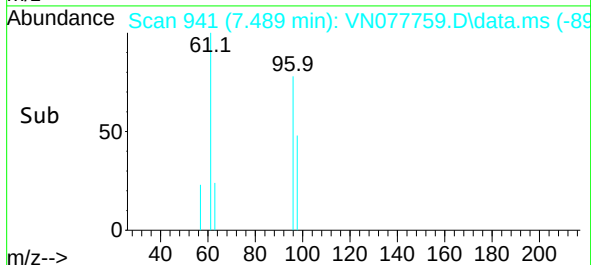
Tgt Ion:	84	Resp:	1119
Ion	Ratio	Lower	Upper
84	100		
49	42.2	79.7	119.5#
51	24.9	25.2	37.8#
86	86.5	53.3	79.9#

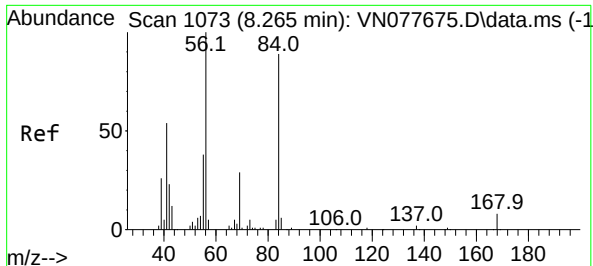


#27
cis-1,2-Dichloroethene
Concen: 0.350 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.001 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15



Tgt Ion:	96	Resp:	1792
Ion	Ratio	Lower	Upper
96	100		
61	128.9	0.0	255.2
98	55.5	0.0	128.8

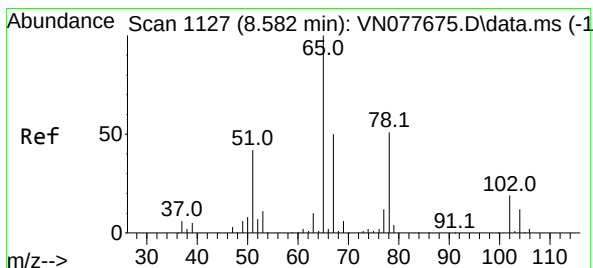
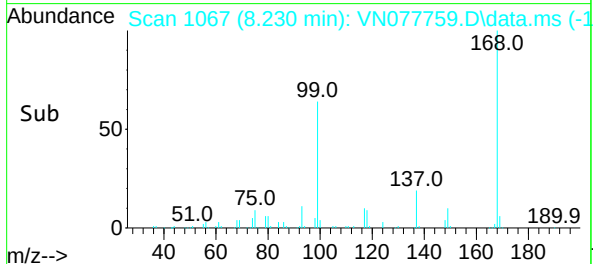
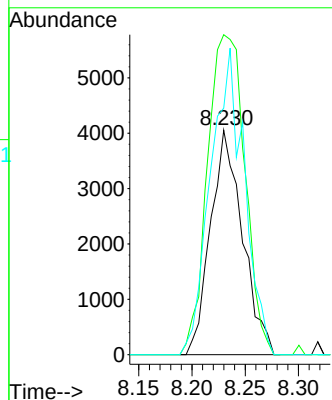
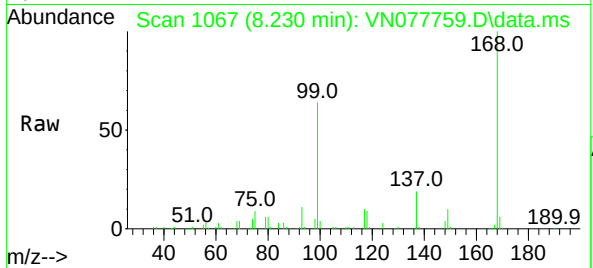




#31
Cyclohexane
Concen: 1.152 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.035 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

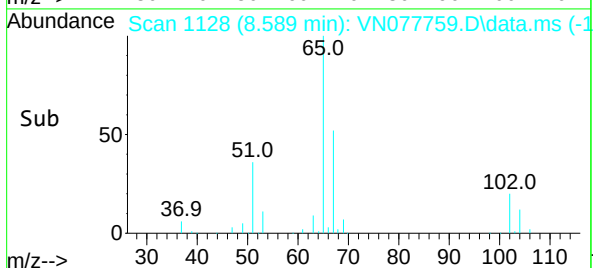
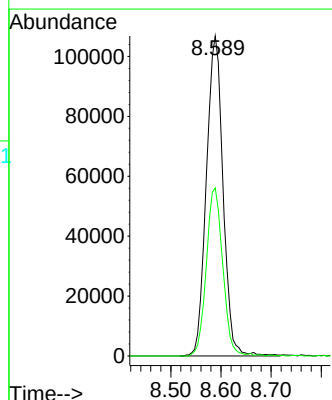
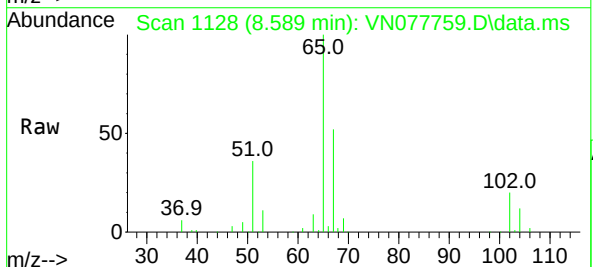
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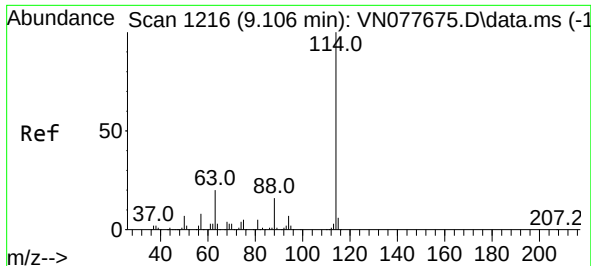
Tgt Ion: 56 Resp: 8471
Ion Ratio Lower Upper
56 100
69 142.5 26.8 40.2#
84 109.8 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 45.616 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.007 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

Tgt Ion: 65 Resp: 246866
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6

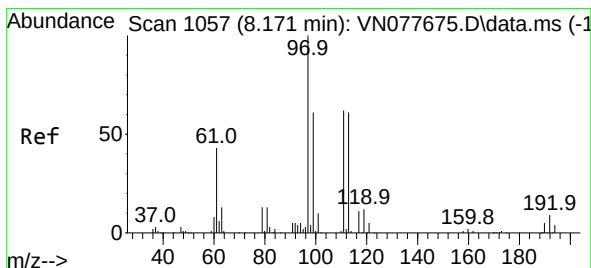
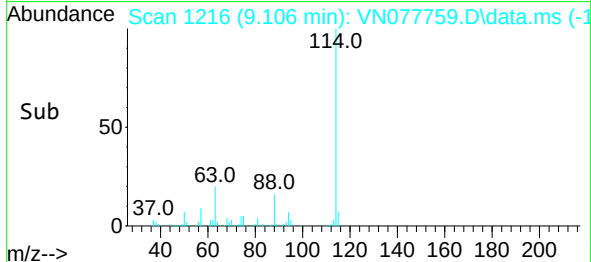
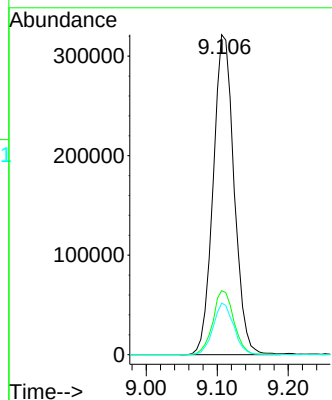
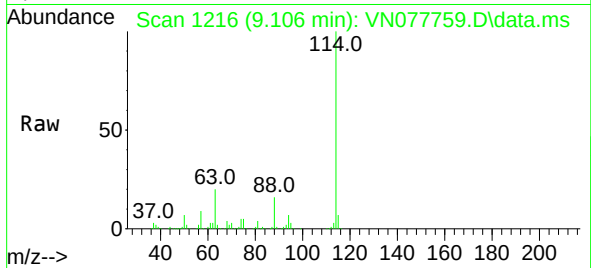




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

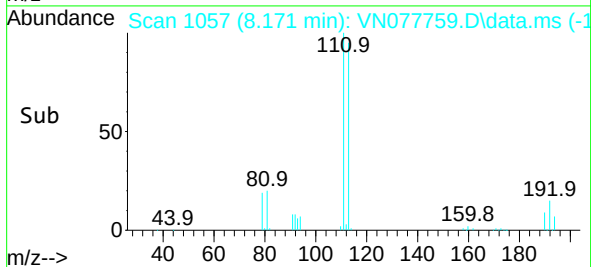
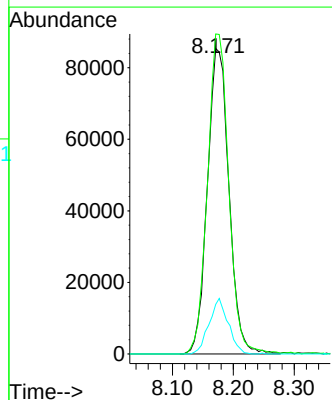
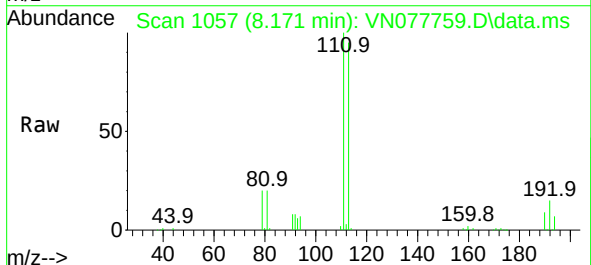
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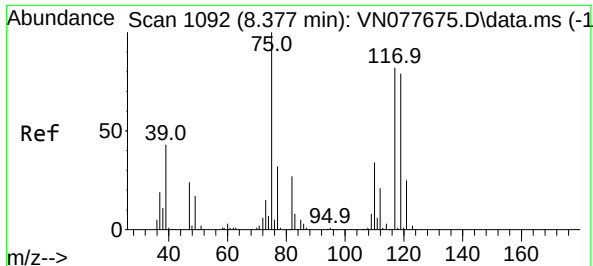
Tgt Ion:114 Resp: 656257
Ion Ratio Lower Upper
114 100
63 20.0 0.0 36.4
88 16.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.249 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

Tgt Ion:113 Resp: 210754
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 16.1 12.7 19.1

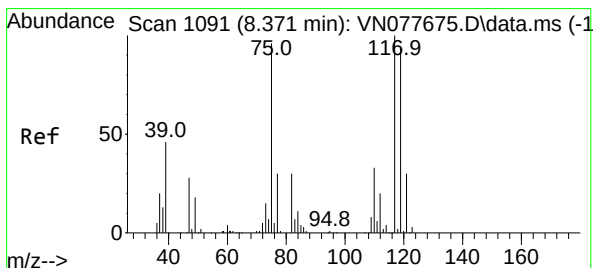
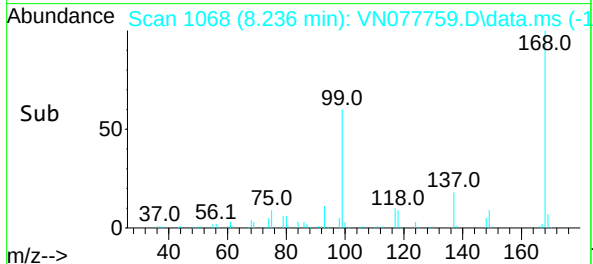
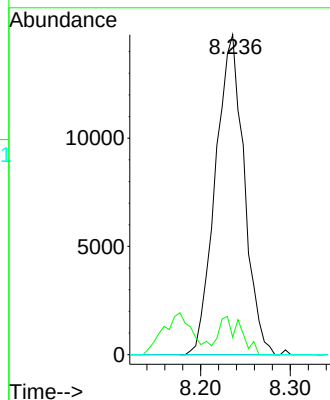
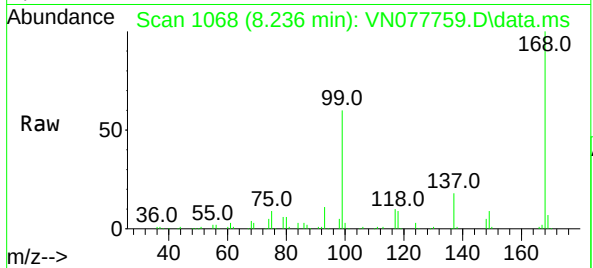




#36
1,1-Dichloropropene
Concen: 5.240 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

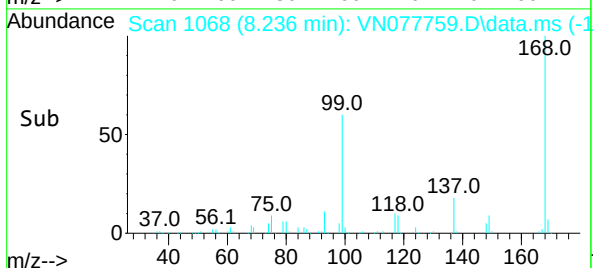
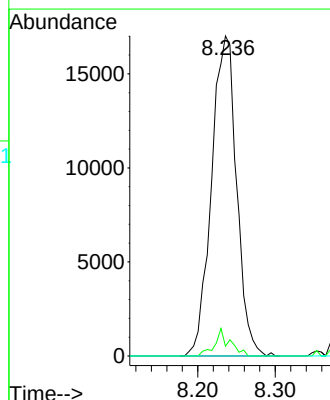
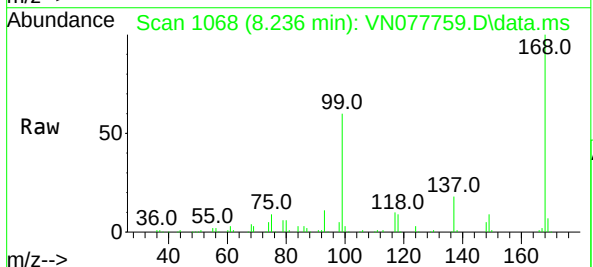
Instrument :
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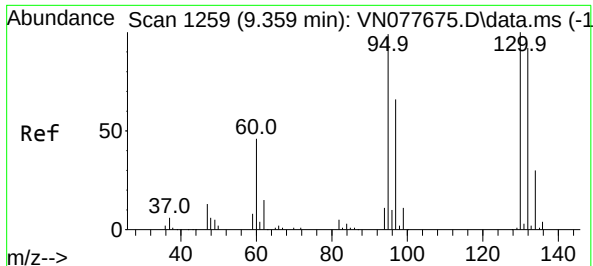
Tgt Ion: 75 Resp: 32800
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.075 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

Tgt Ion: 117 Resp: 38396
Ion Ratio Lower Upper
117 100
119 3.0 77.3 115.9#
121 0.0 23.3 34.9#

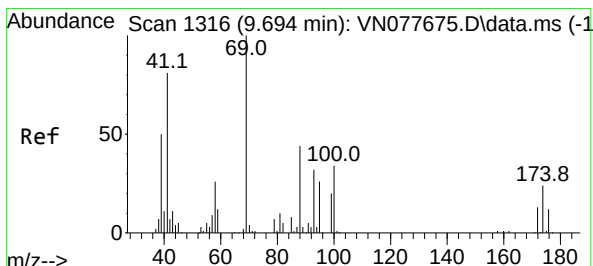
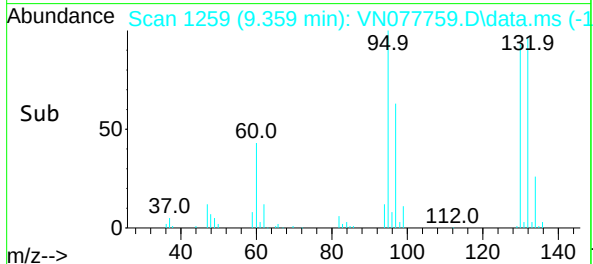
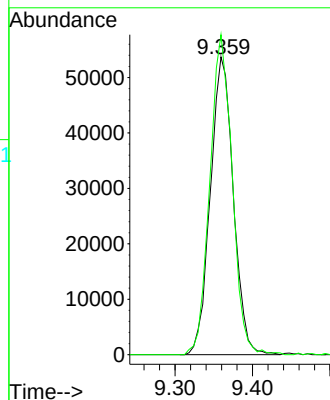
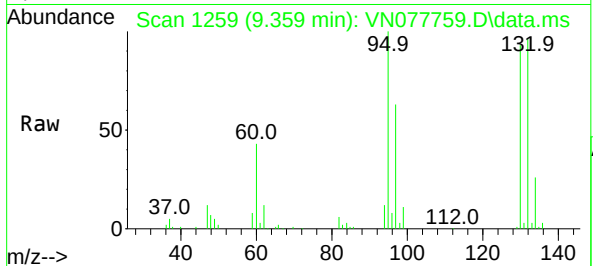




#44
Trichloroethene
Concen: 23.620 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

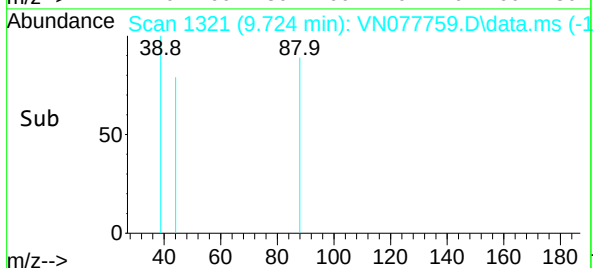
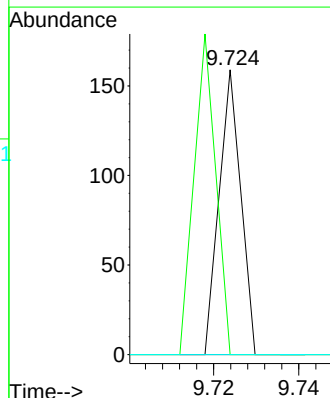
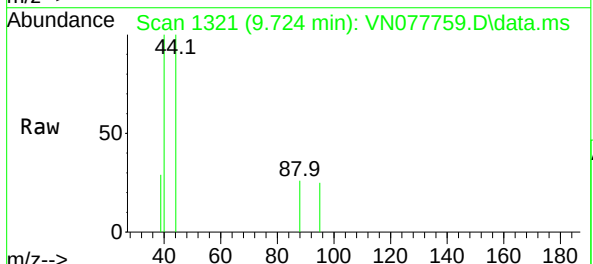
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20230517DL

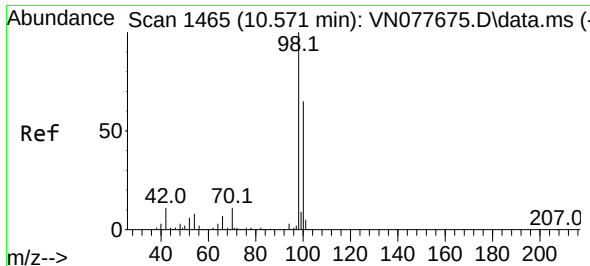
Tgt Ion:130 Resp: 110470
Ion Ratio Lower Upper
130 100
95 107.5 0.0 204.6



#49
1,4-Dioxane
Concen: 0.686 ug/l
RT: 9.724 min Scan# 1321
Delta R.T. 0.030 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 112.5 17.0 25.6#
58 0.0 47.0 70.4#

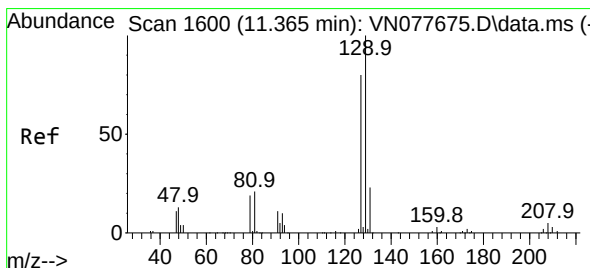
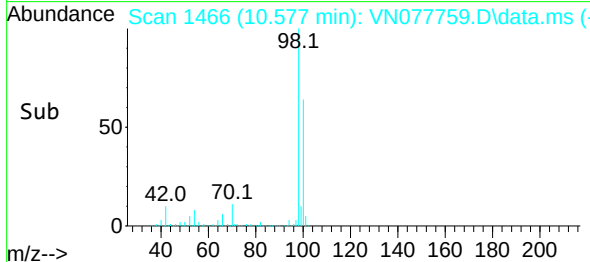
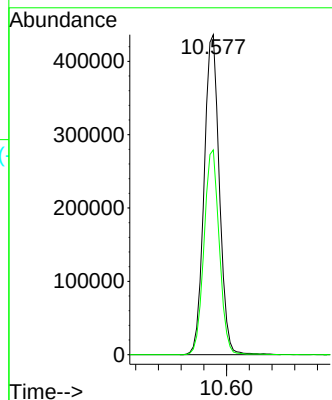
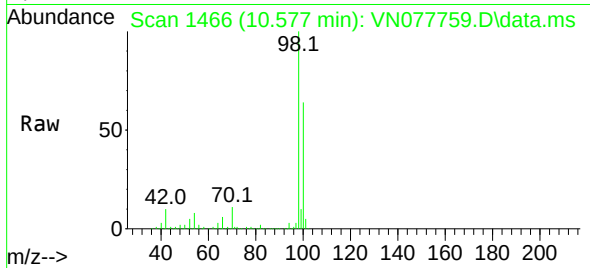




#50
Toluene-d8
Concen: 49.114 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

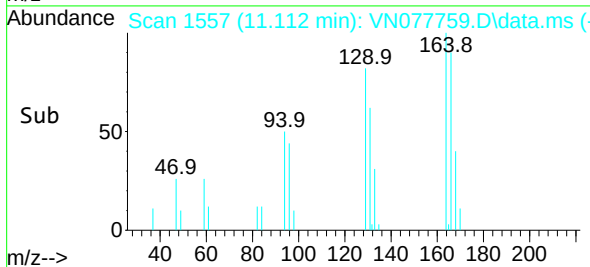
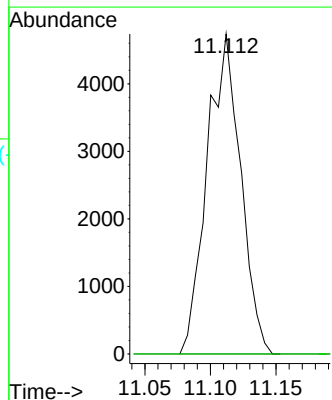
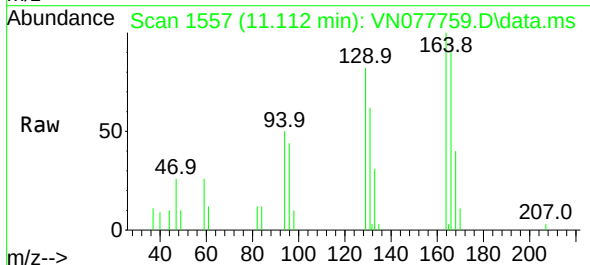
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20230517DL

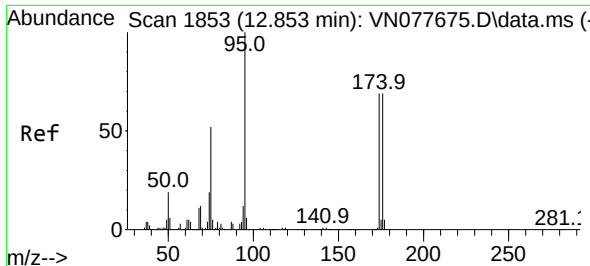
Tgt Ion: 98 Resp: 808996
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#60
Dibromochloromethane
Concen: 1.788 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.253 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

Tgt Ion:129 Resp: 8426
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

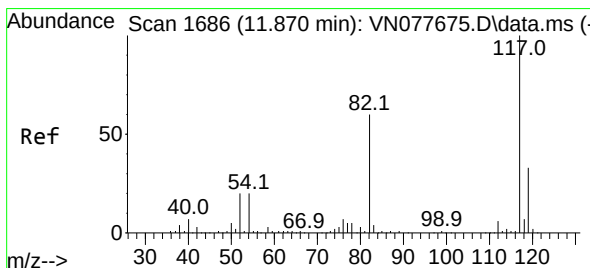
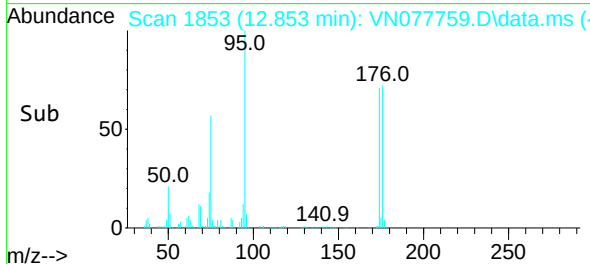
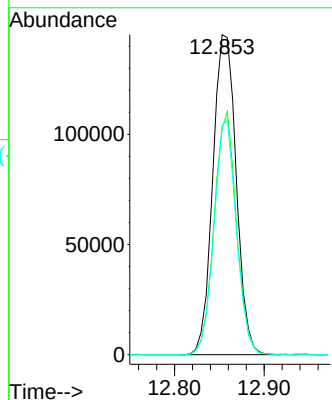
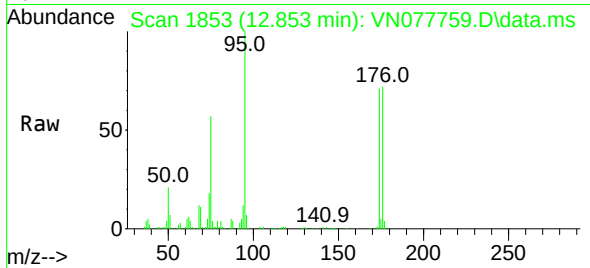




#62
4-Bromofluorobenzene
Concen: 45.107 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

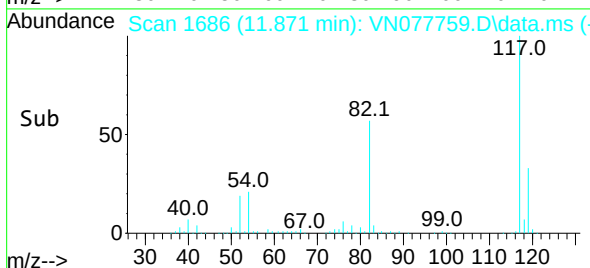
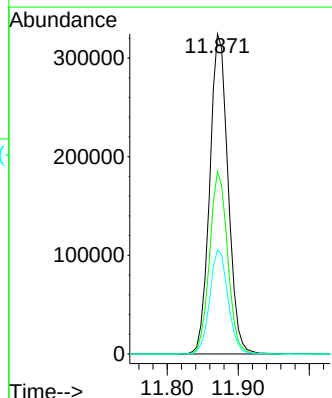
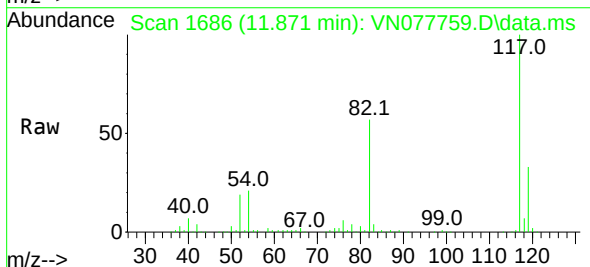
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20230517DL

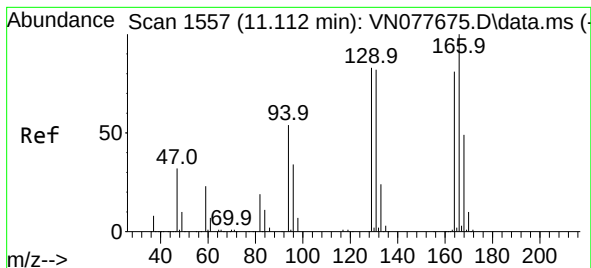
Tgt Ion: 95 Resp: 262409
Ion Ratio Lower Upper
95 100
174 72.5 0.0 143.8
176 70.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

Tgt Ion: 117 Resp: 579853
Ion Ratio Lower Upper
117 100
82 57.0 44.0 66.0
119 32.5 25.6 38.4





#64

Tetrachloroethene

Concen: 2.240 ug/l

RT: 11.112 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077759.D

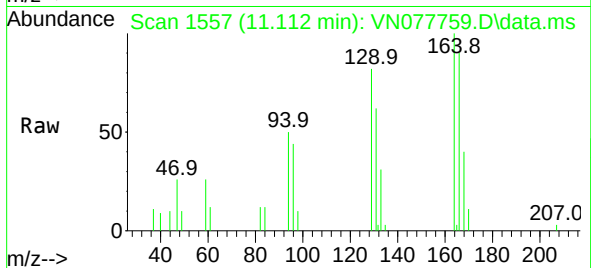
Acq: 19 May 2023 13:15

Instrument :

MSVOA_N

ClientSampleId :

RE125D3-20230517DL



Tgt Ion:164 Resp: 9085

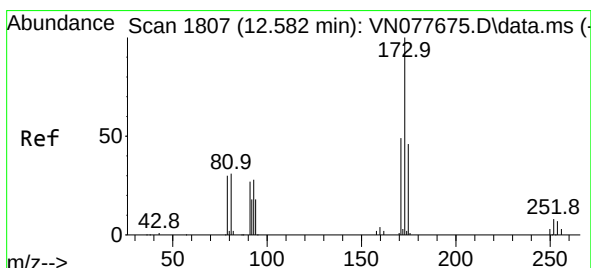
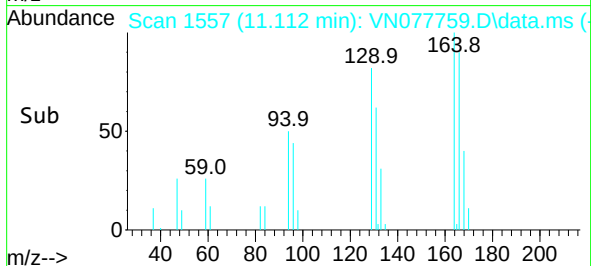
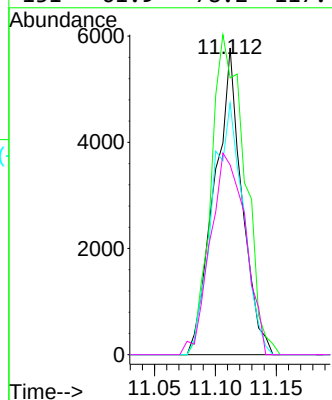
Ion Ratio Lower Upper

164 100

166 90.2 101.4 152.0#

129 82.0 82.4 123.6#

131 61.9 78.2 117.4#



#71

Bromoform

Concen: 0.777 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN077759.D

Acq: 19 May 2023 13:15

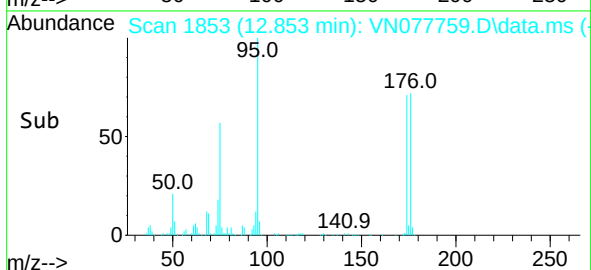
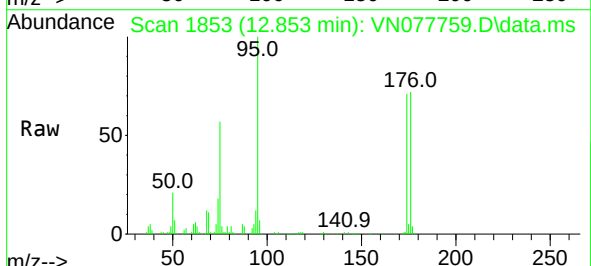
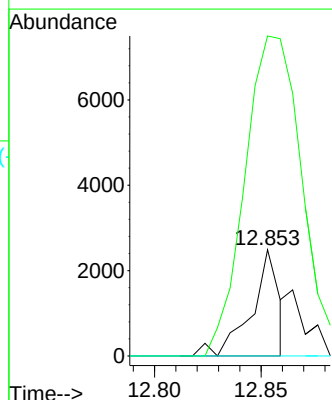
Tgt Ion:173 Resp: 2247

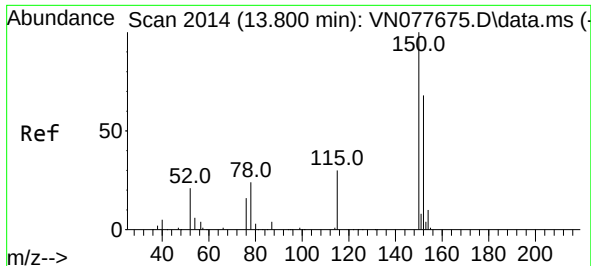
Ion Ratio Lower Upper

173 100

175 427.8 24.3 73.0#

254 0.0 0.0 0.0

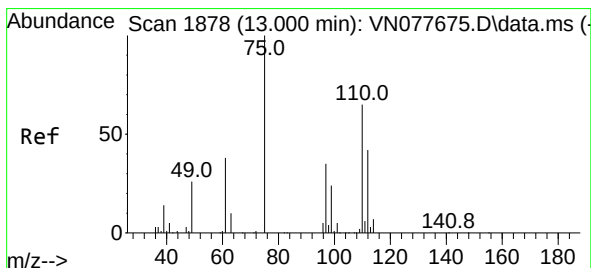
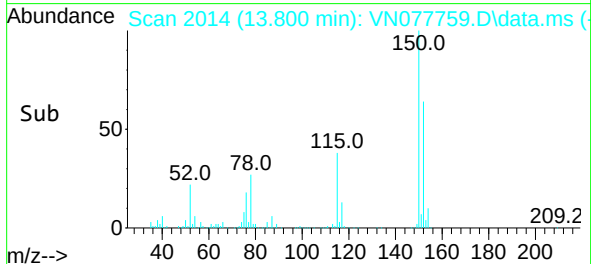
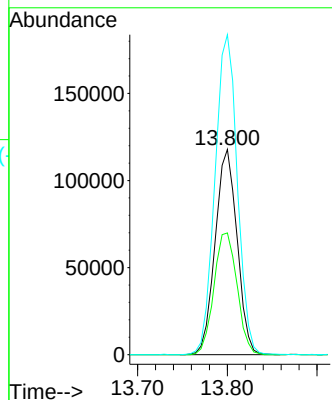
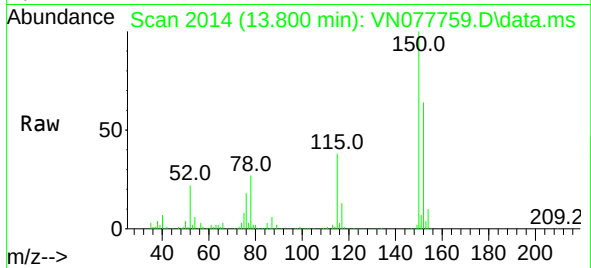




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.000 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

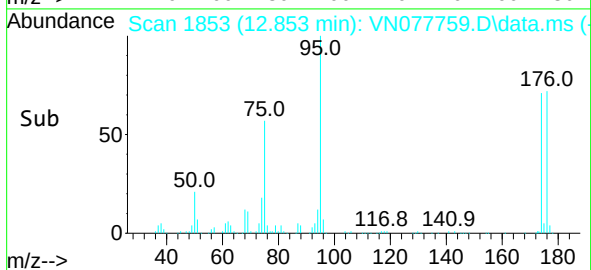
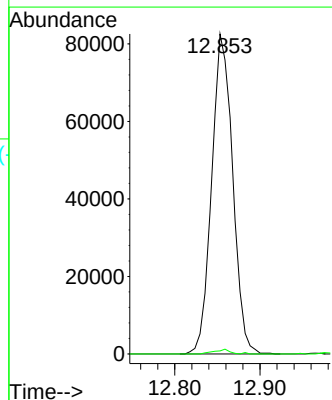
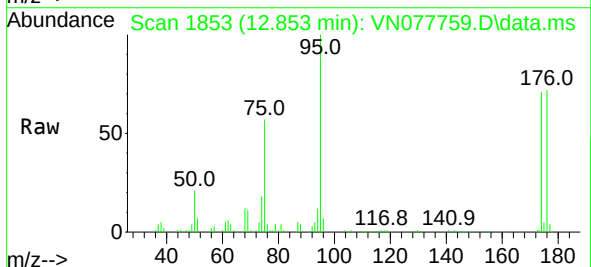
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20230517DL

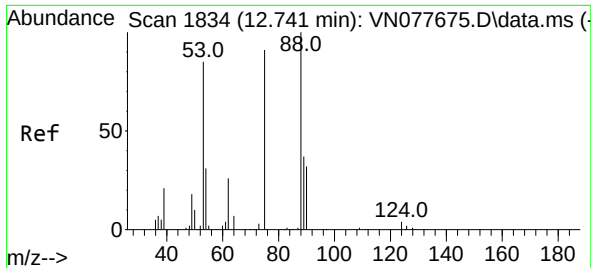
Tgt Ion:152 Resp: 199961
Ion Ratio Lower Upper
152 100
115 62.4 32.3 96.8
150 158.9 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 28.222 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077759.D
Acq: 19 May 2023 13:15

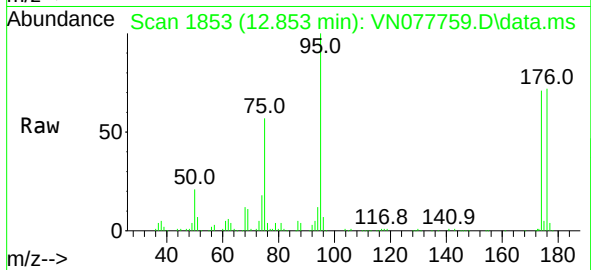
Tgt Ion: 75 Resp: 141326
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.211 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077759.D
 Acq: 19 May 2023 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D3-20230517DL



Tgt Ion: 75 Resp: 141326
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

