

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077794.D
 Acq On : 22 May 2023 17:05
 Operator : JC\MD
 Sample : 02880-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D1-20230518

Quant Time: May 23 04:20:40 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)

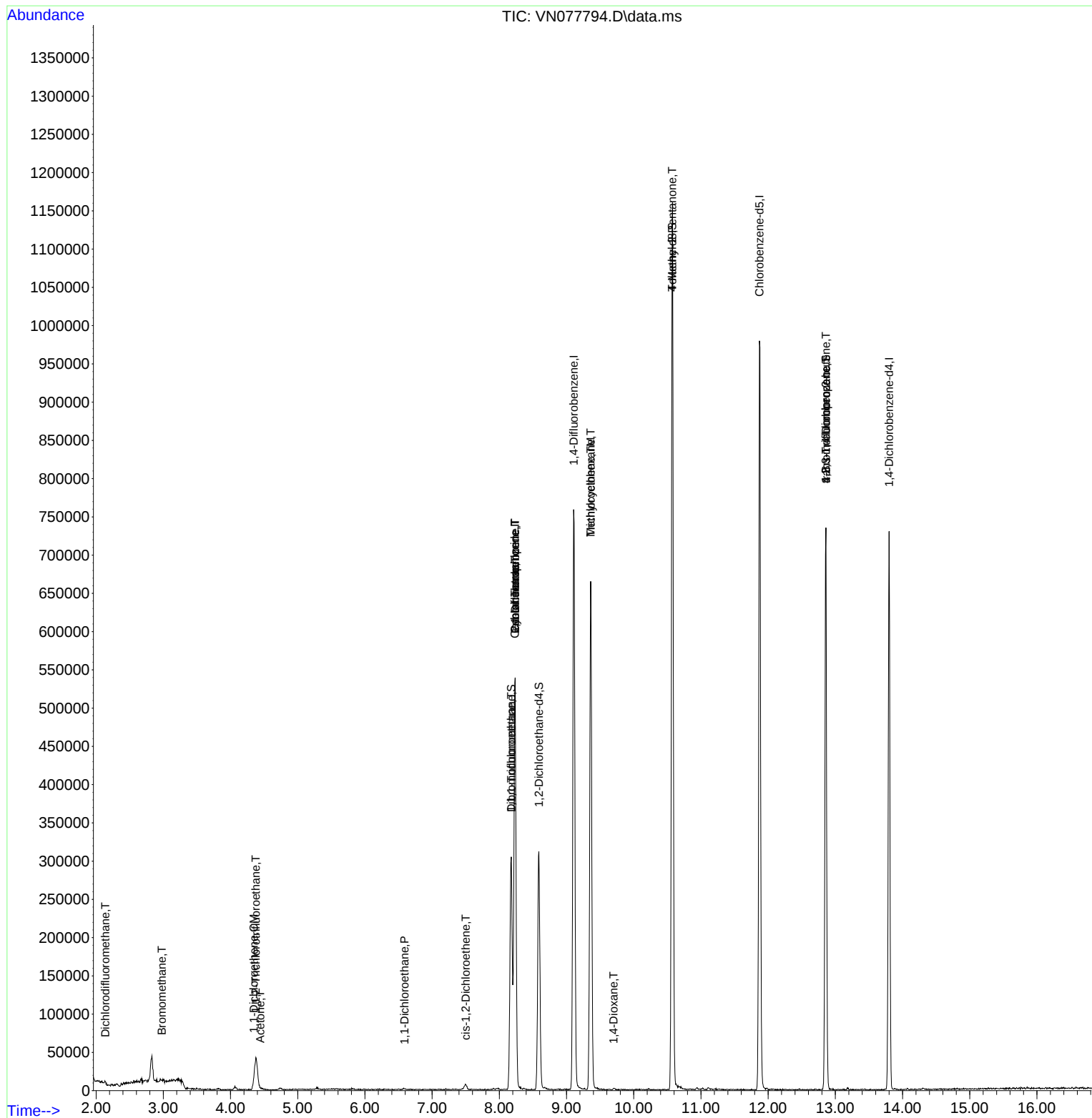
Internal Standards						
1) Pentafluorobenzene	8.236	168	387831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	685558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	594532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	196780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	257073	44.300	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.600%
35) Dibromofluoromethane	8.177	113	221870	49.630	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.260%
50) Toluene-d8	10.571	98	840536	48.848	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.700%
62) 4-Bromofluorobenzene	12.859	95	262277	43.158	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	3213	0.728	ug/l	86
3) Chloromethane	2.371	50	1329	Below Cal	#	77
5) Bromomethane	2.977	94	1224	0.297	ug/l #	60
9) 1,1,2-Trichlorotrifluo...	4.377	101	27446	6.395	ug/l	98
12) 1,1-Dichloroethene	4.348	96	4284	1.050	ug/l #	83
13) Acrolein	4.195	56	171	Below Cal	#	79
16) Acetone	4.442	43	1757	0.962	ug/l #	82
20) Methylene Chloride	5.283	84	1121	Below Cal	#	71
24) 1,1-Dichloroethane	6.589	63	2133	0.248	ug/l #	81
27) cis-1,2-Dichloroethene	7.500	96	4686	0.853	ug/l	87
31) Cyclohexane	8.236	56	8601	1.091	ug/l #	33
32) 1,1,1-Trichloroethane	8.177	97	4073	0.506	ug/l #	44
36) 1,1-Dichloropropene	8.236	75	32007	4.895	ug/l #	50
38) Carbon Tetrachloride	8.230	117	41987	6.359	ug/l #	15
39) Methylcyclohexane	9.359	83	3303	0.413	ug/l #	1
44) Trichloroethene	9.359	130	241760	49.482	ug/l	99
49) 1,4-Dioxane	9.700	88	1444	16.939	ug/l #	75
51) 4-Methyl-2-Pentanone	10.571	43	3869	0.684	ug/l #	1
76) 1,2,3-Trichloropropane	12.859	75	141754	28.765	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	141754	91.946	ug/l #	15

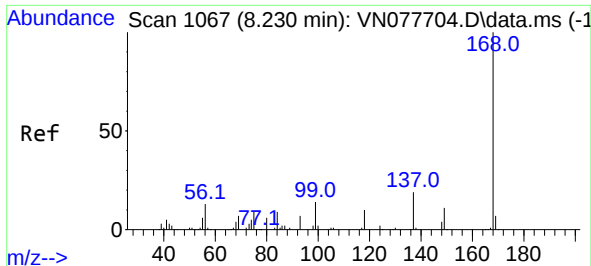
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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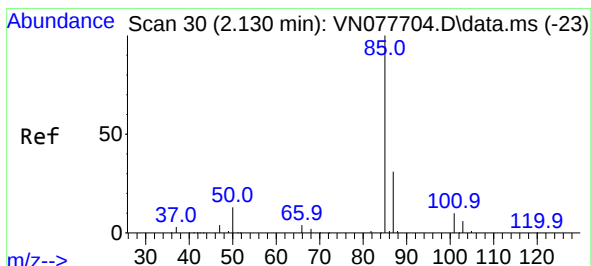
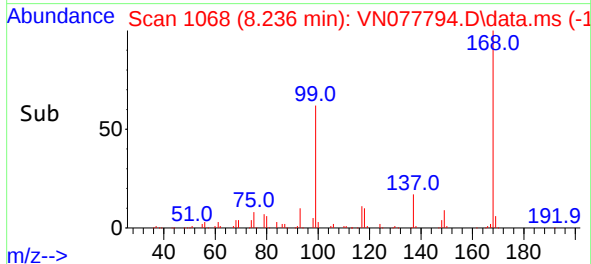
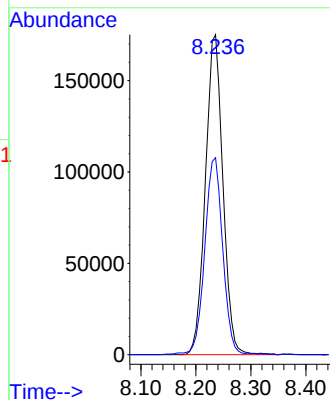
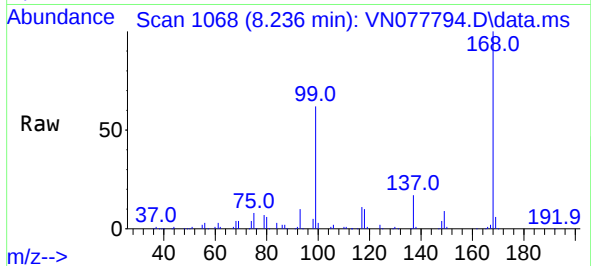




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

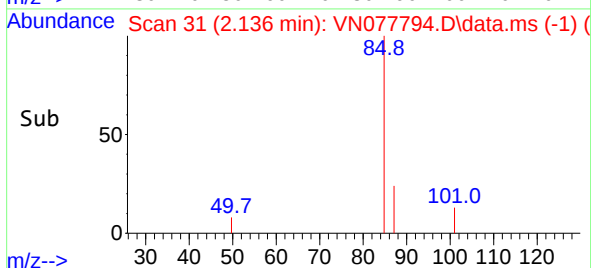
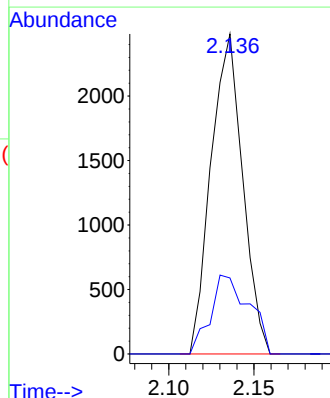
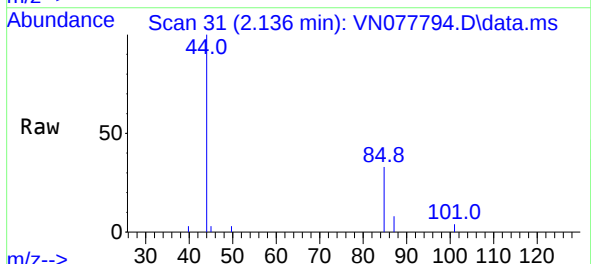
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20230518

Tgt Ion:168 Resp: 387831
Ion Ratio Lower Upper
168 100
99 61.4 53.0 79.6

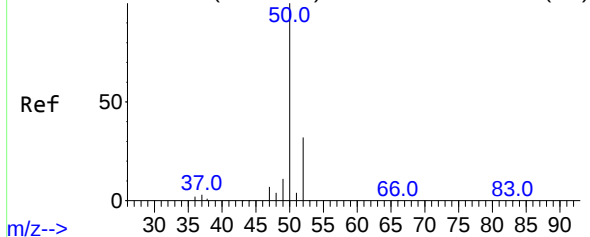


#2
Dichlorodifluoromethane
Concen: 0.728 ug/l
RT: 2.136 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

Tgt Ion: 85 Resp: 3213
Ion Ratio Lower Upper
85 100
87 23.8 15.8 47.4



Abundance Scan 70 (2.365 min): VN077704.D\data.ms (-62)



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN077794.D

Acq: 22 May 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

RE105D1-20230518

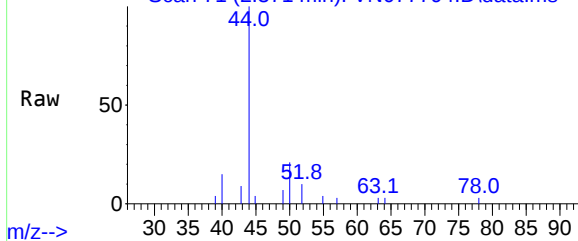
Tgt Ion: 50 Resp: 1329

Ion Ratio Lower Upper

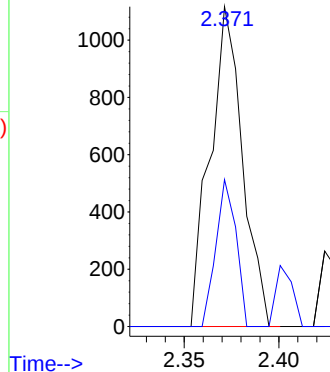
50 100

52 45.9 26.5 39.7#

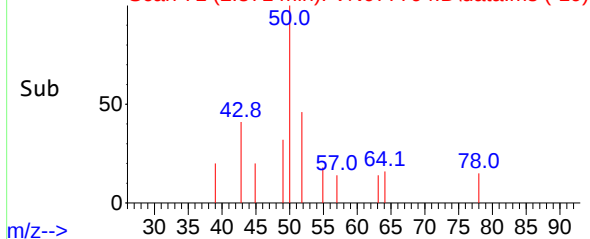
Abundance Scan 71 (2.371 min): VN077794.D\data.ms



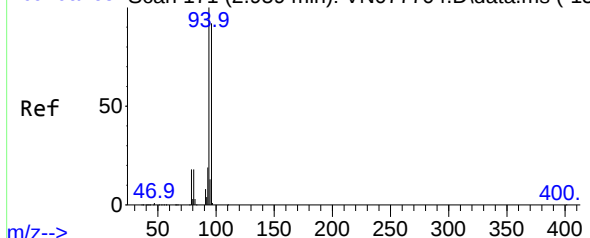
Abundance



Abundance Scan 71 (2.371 min): VN077794.D\data.ms (-19)



Abundance Scan 171 (2.959 min): VN077704.D\data.ms (-15)



#5

Bromomethane

Concen: 0.297 ug/l

RT: 2.977 min Scan# 174

Delta R.T. 0.030 min

Lab File: VN077794.D

Acq: 22 May 2023 17:05

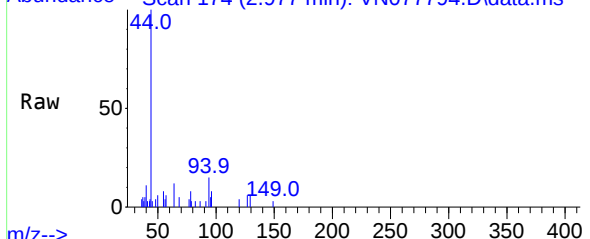
Tgt Ion: 94 Resp: 1224

Ion Ratio Lower Upper

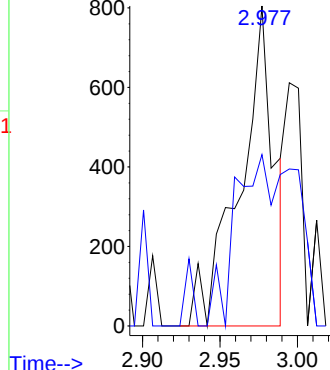
94 100

96 53.5 73.1 109.7#

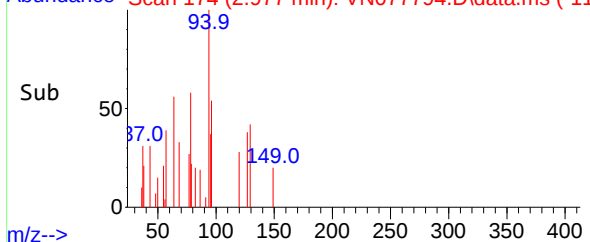
Abundance Scan 174 (2.977 min): VN077794.D\data.ms

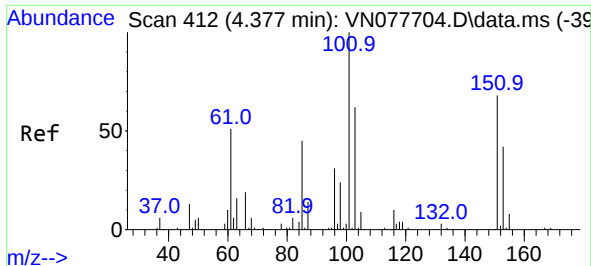


Abundance



Abundance Scan 174 (2.977 min): VN077794.D\data.ms (-11)

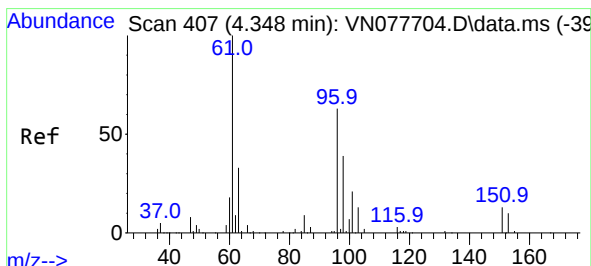
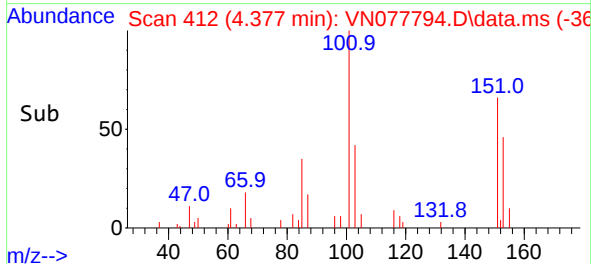
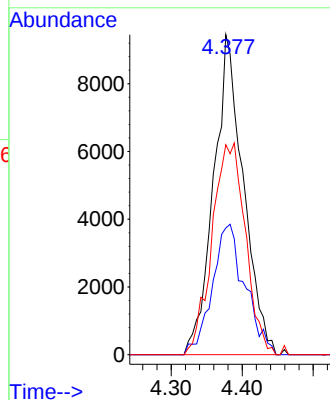
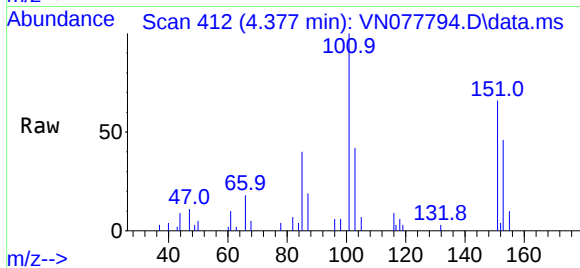




#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.395 ug/l
RT: 4.377 min Scan# 412
Delta R.T. -0.000 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

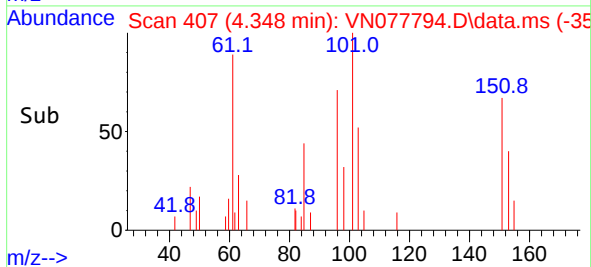
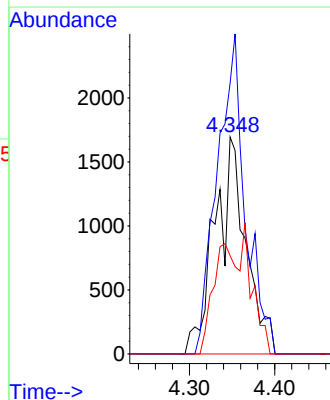
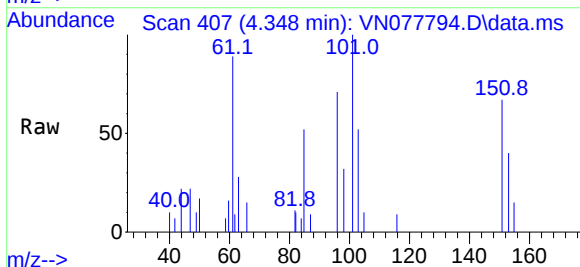
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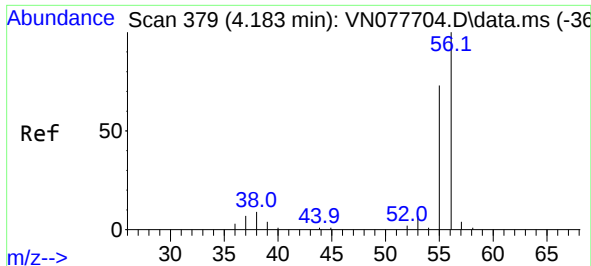
Tgt Ion:101 Resp: 27446
Ion Ratio Lower Upper
101 100
85 44.8 36.6 55.0
151 74.5 57.6 86.4



#12
1,1-Dichloroethene
Concen: 1.050 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.001 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

Tgt Ion: 96 Resp: 4284
Ion Ratio Lower Upper
96 100
61 124.8 112.7 169.1
98 45.3 51.2 76.8#

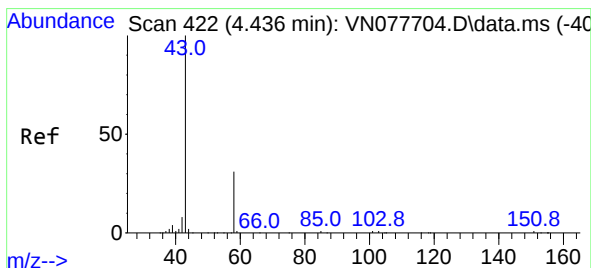
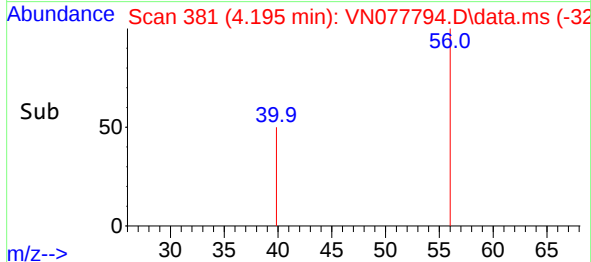
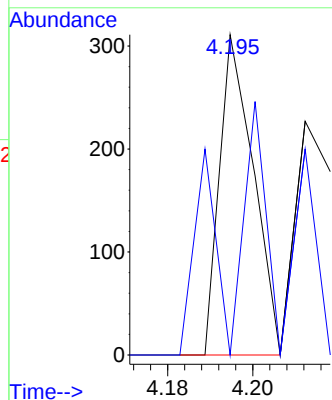
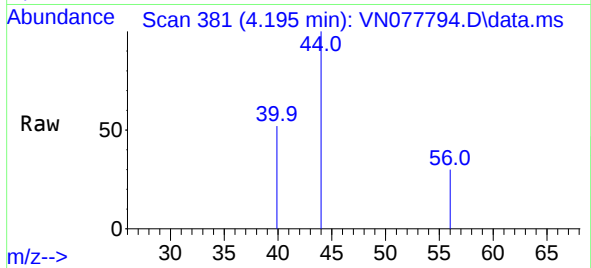




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

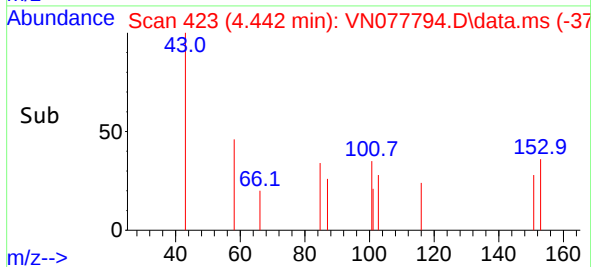
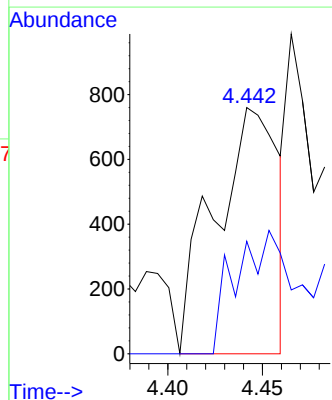
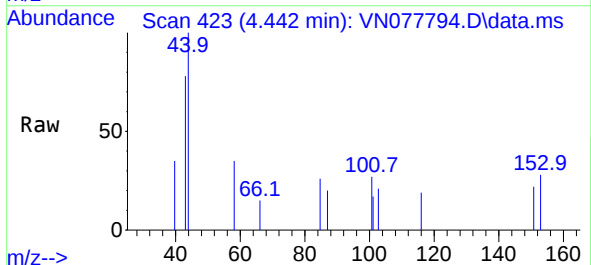
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20230518

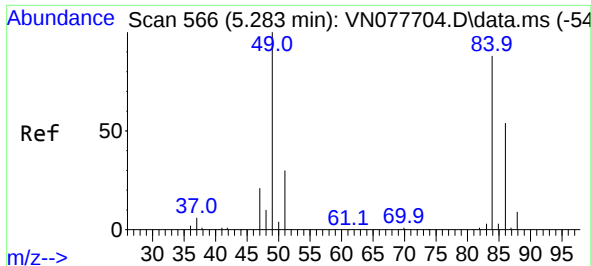
Tgt Ion: 56 Resp: 171
Ion Ratio Lower Upper
56 100
55 50.9 54.5 81.7#



#16
Acetone
Concen: 0.962 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

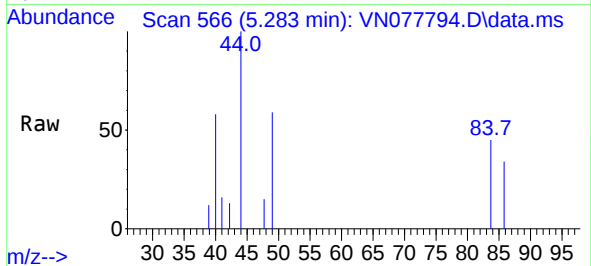
Tgt Ion: 43 Resp: 1757
Ion Ratio Lower Upper
43 100
58 45.7 28.0 42.0#





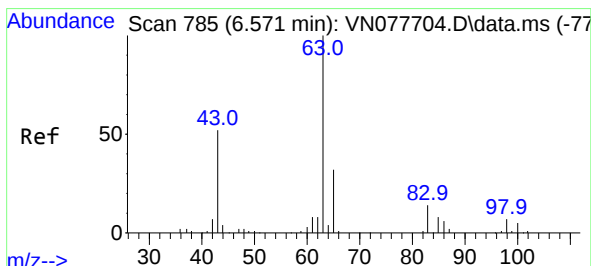
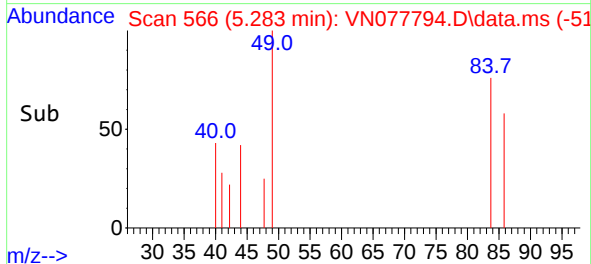
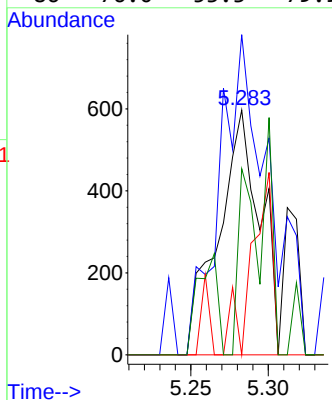
#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20230518



Tgt Ion: 84 Resp: 1121

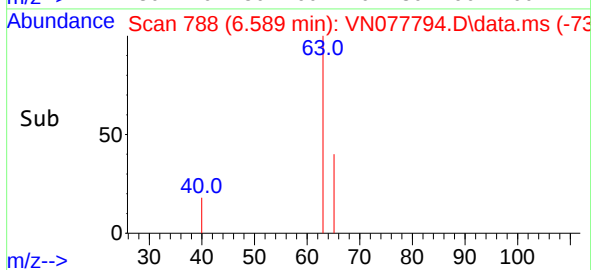
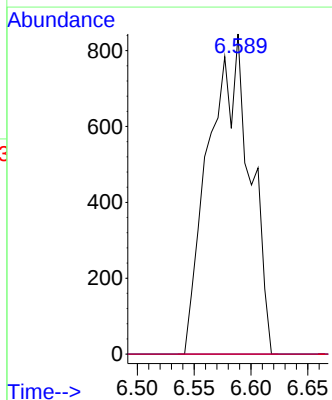
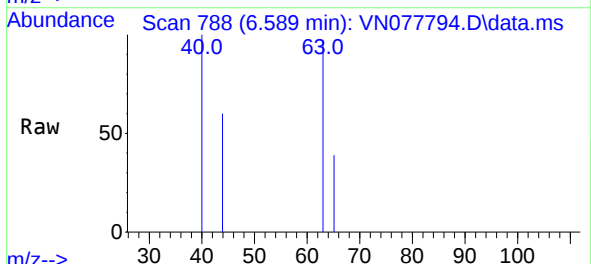
Ion	Ratio	Lower	Upper
84	100		
49	130.8	79.7	119.5#
51	0.0	25.2	37.8#
86	76.0	53.3	79.9

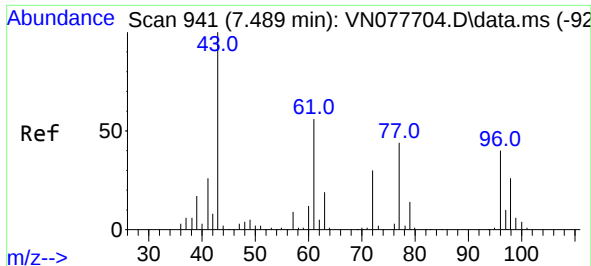


#24
1,1-Dichloroethane
Concen: 0.248 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.018 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

Tgt Ion: 63 Resp: 2133

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.9	11.7#
100	0.0	2.5	7.4#

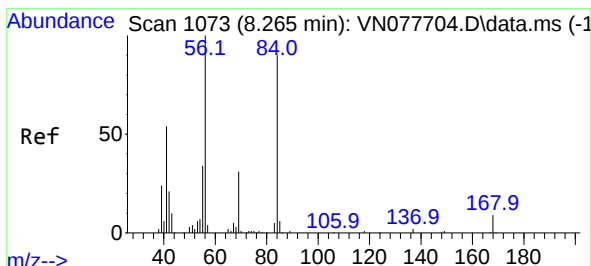
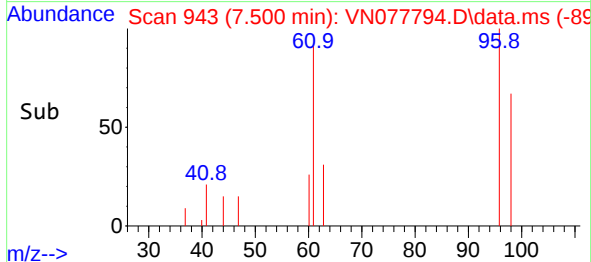
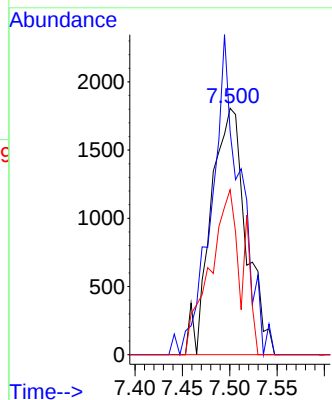
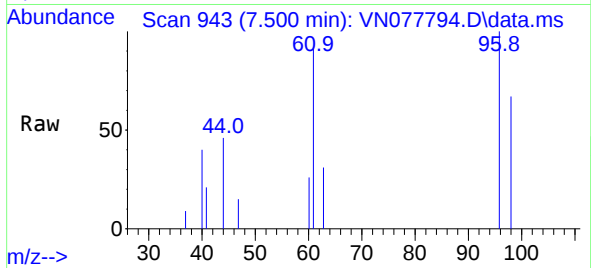




#27
cis-1,2-Dichloroethene
Concen: 0.853 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

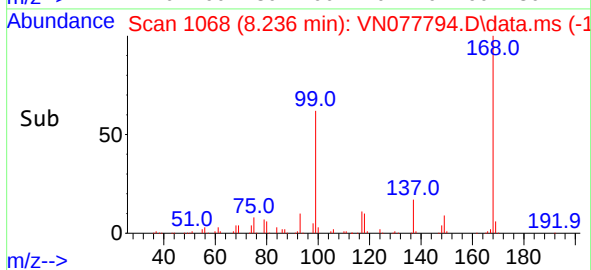
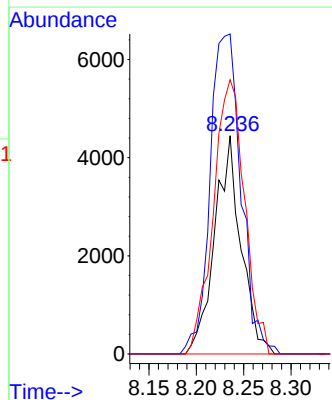
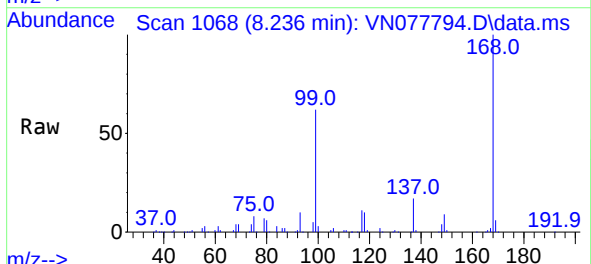
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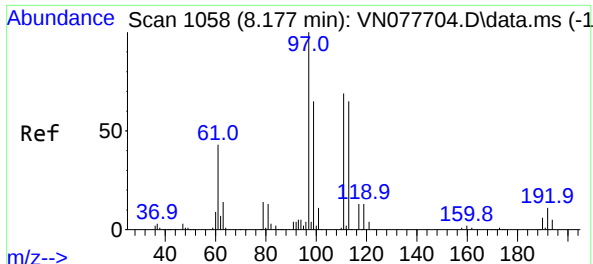
Tgt Ion: 96 Resp: 4686
Ion Ratio Lower Upper
96 100
61 107.0 0.0 255.2
98 61.6 0.0 128.8



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

Tgt Ion: 56 Resp: 8601
Ion Ratio Lower Upper
56 100
69 146.6 26.8 40.2#
84 125.7 81.8 122.6#

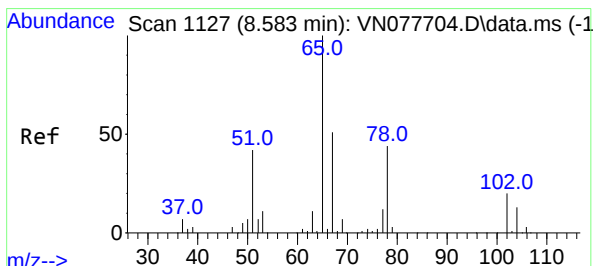
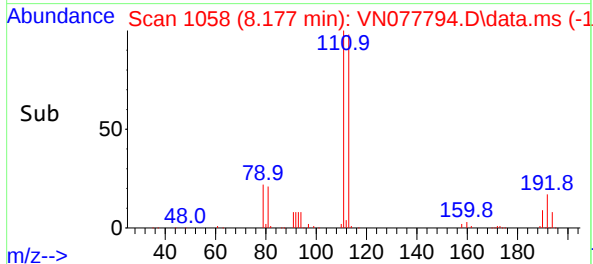
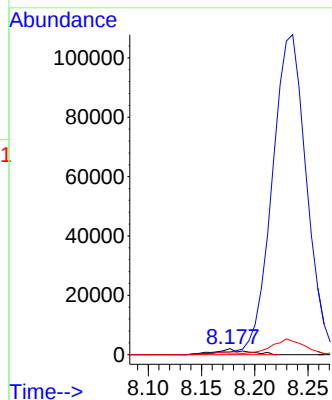
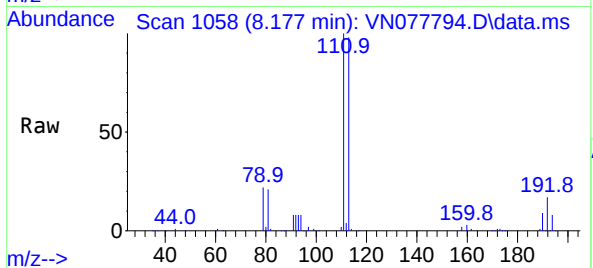




#32
1,1,1-Trichloroethane
Concen: 0.506 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

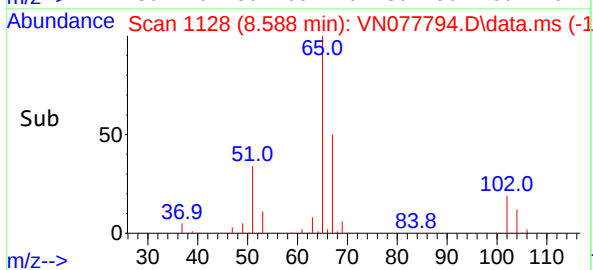
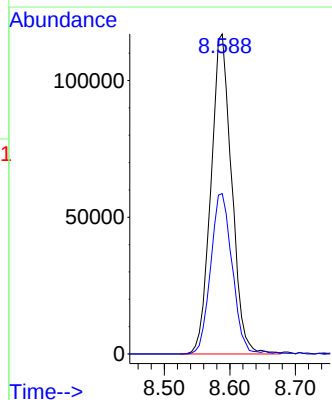
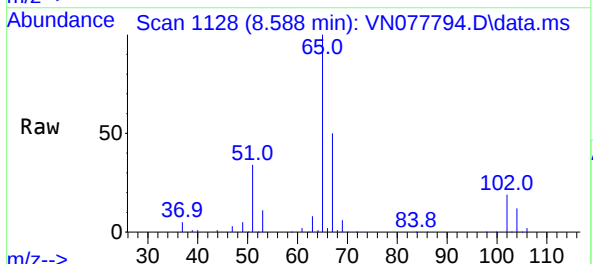
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20230518

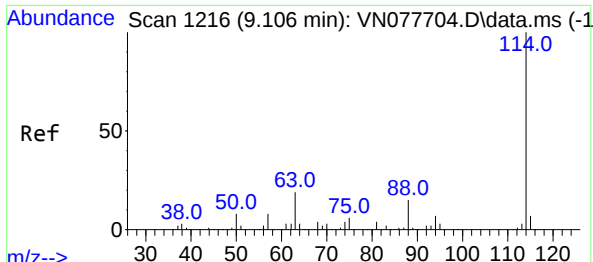
Tgt Ion: 97 Resp: 4073
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 31.3 34.7 52.1#



#33
1,2-Dichloroethane-d4
Concen: 44.300 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

Tgt Ion: 65 Resp: 257073
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6

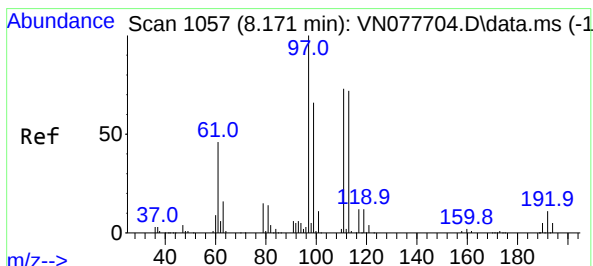
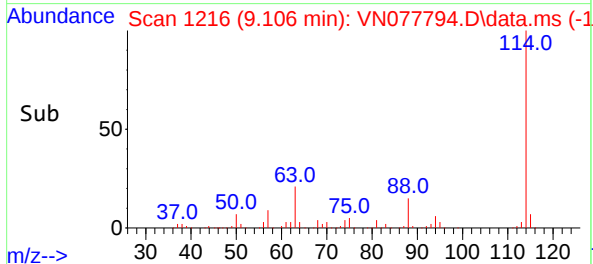
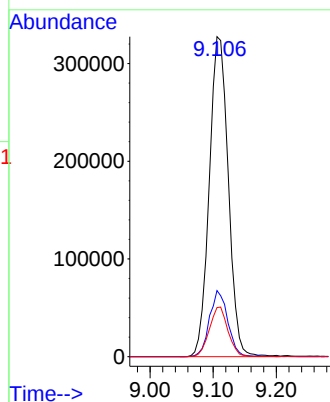
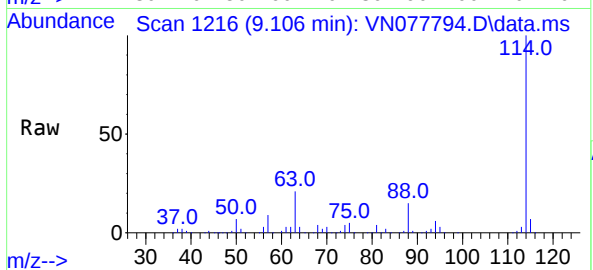




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

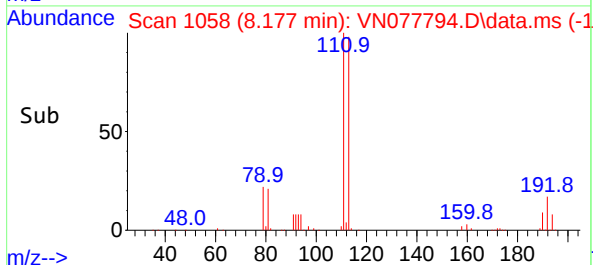
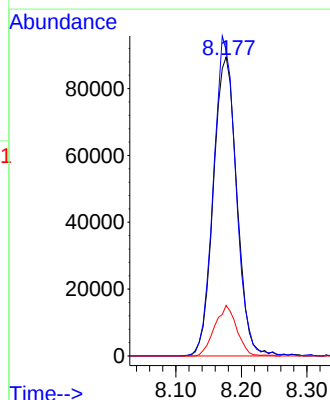
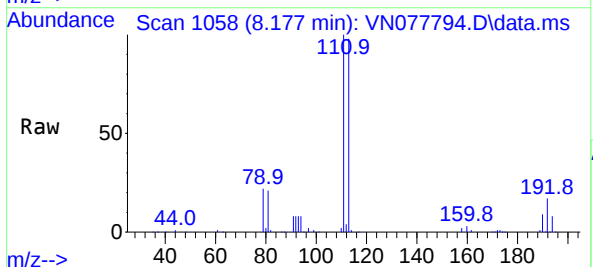
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20230518

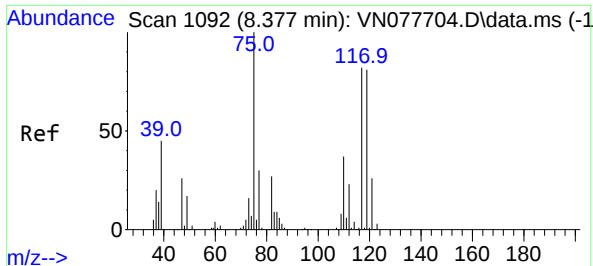
Tgt Ion:114 Resp: 685558
Ion Ratio Lower Upper
114 100
63 20.6 0.0 36.4
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.630 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

Tgt Ion:113 Resp: 221870
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 15.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.895 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN077794.D

Acq: 22 May 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

RE105D1-20230518

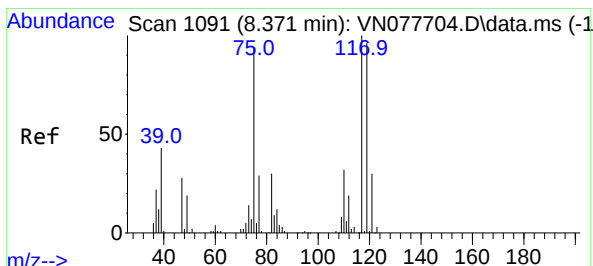
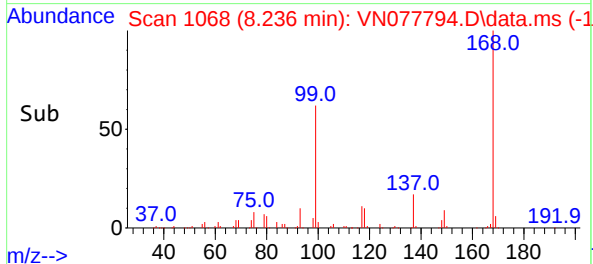
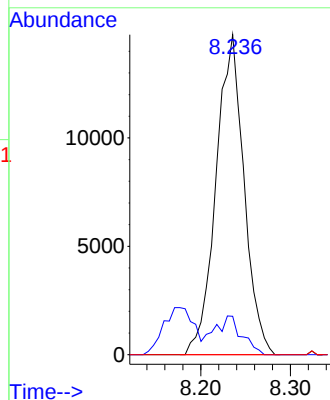
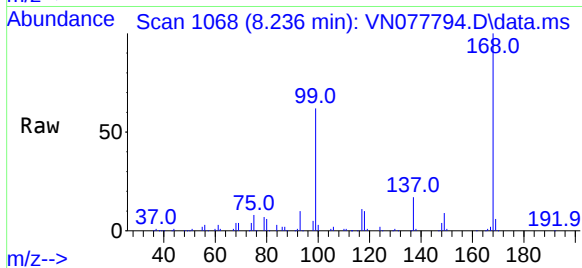
Tgt Ion: 75 Resp: 32007

Ion Ratio Lower Upper

75 100

110 11.1 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.359 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN077794.D

Acq: 22 May 2023 17:05

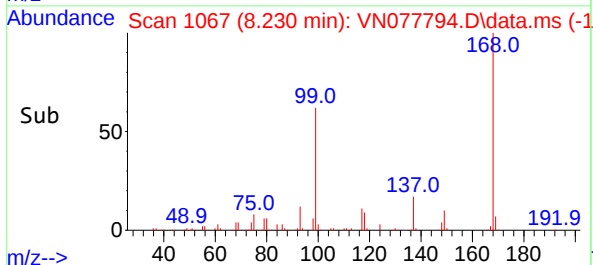
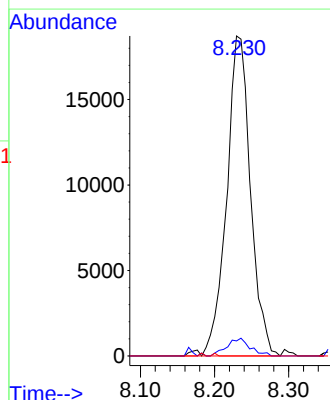
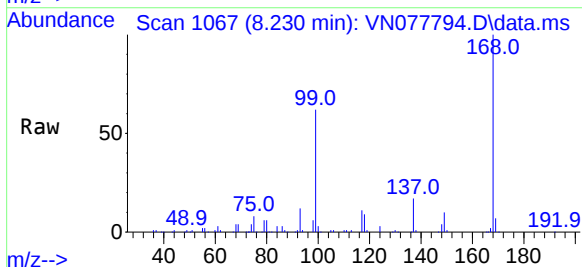
Tgt Ion: 117 Resp: 41987

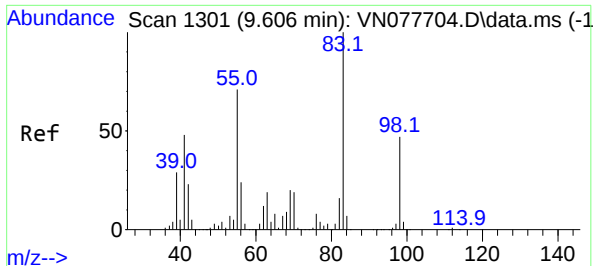
Ion Ratio Lower Upper

117 100

119 4.7 77.3 115.9#

121 0.0 23.3 34.9#

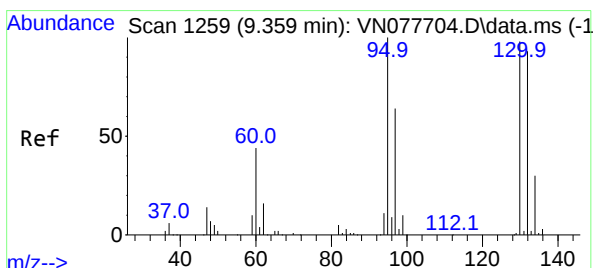
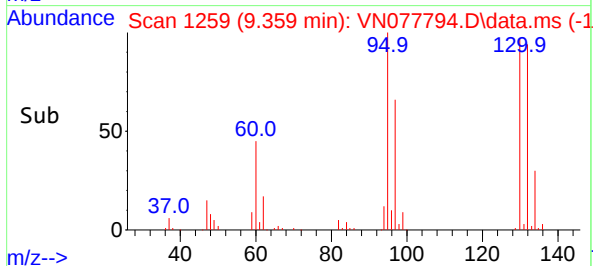
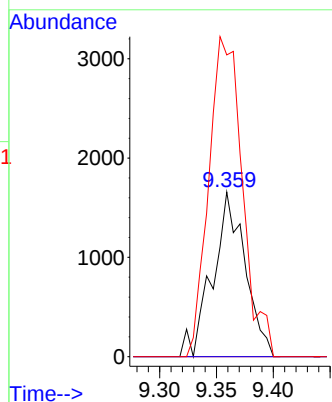
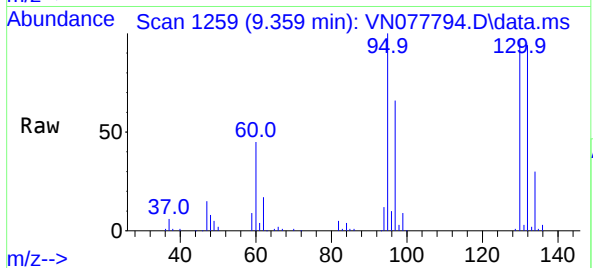




#39
Methylcyclohexane
Concen: 0.413 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.247 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

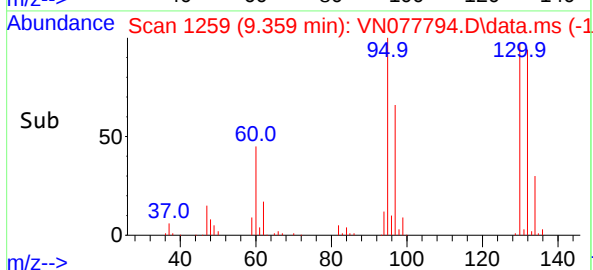
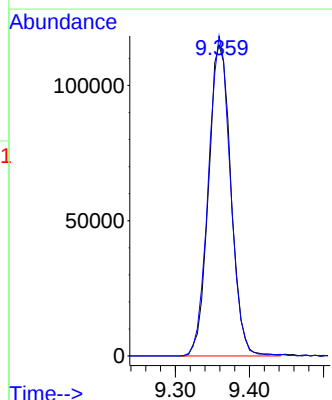
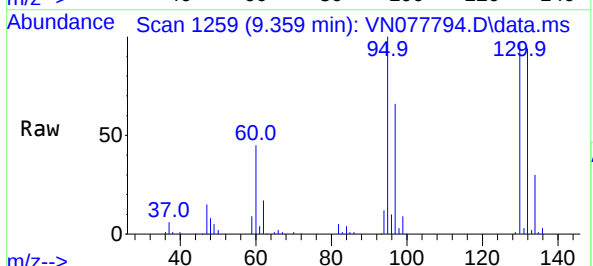
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20230518

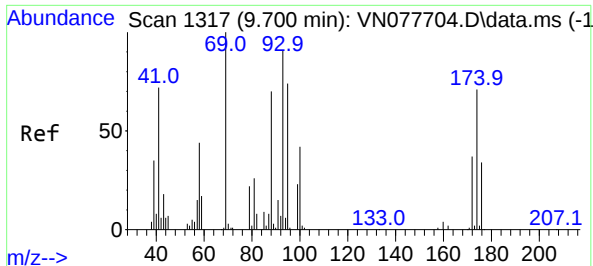
Tgt Ion: 83 Resp: 3303
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 183.3 40.6 61.0#



#44
Trichloroethene
Concen: 49.482 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

Tgt Ion:130 Resp: 241760
Ion Ratio Lower Upper
130 100
95 102.9 0.0 204.6

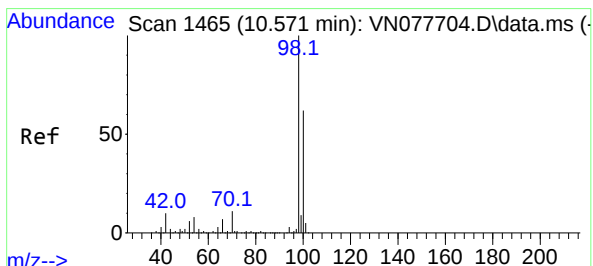
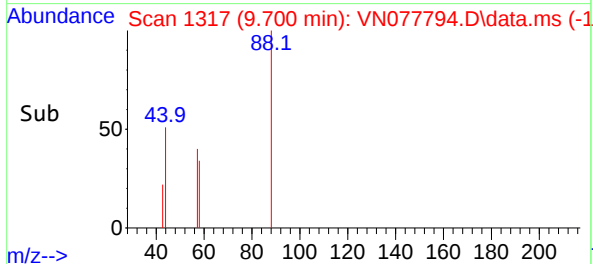
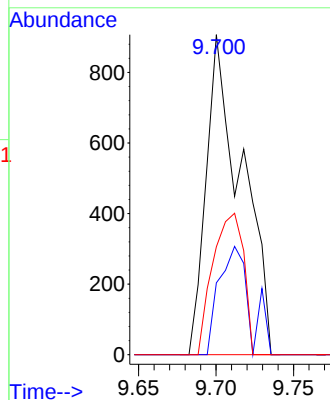
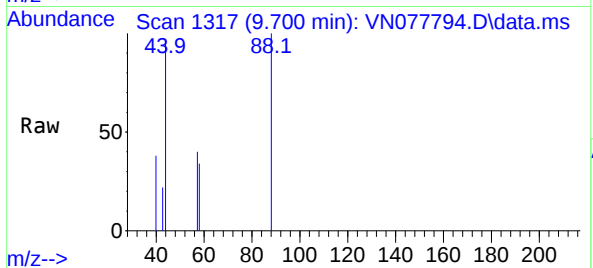




#49
1,4-Dioxane
Concen: 16.939 ug/l
RT: 9.700 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

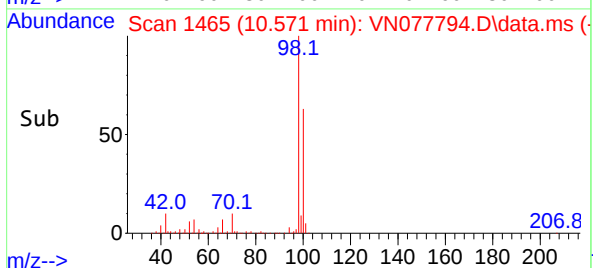
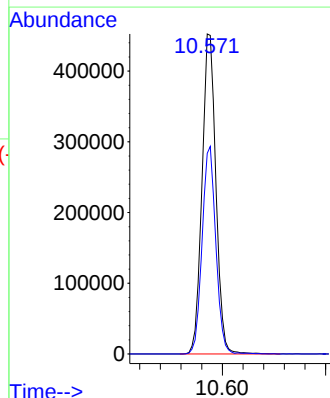
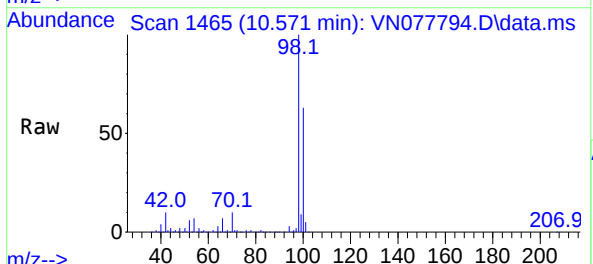
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20230518

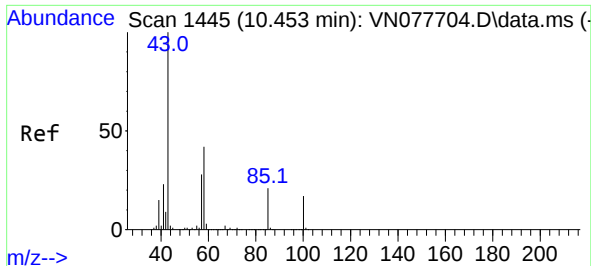
Tgt Ion:	88	Resp:	1444
Ion	Ratio	Lower	Upper
88	100		
43	29.3	17.0	25.6#
58	38.3	47.0	70.4#



#50
Toluene-d8
Concen: 48.848 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

Tgt Ion:	98	Resp:	840536
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 0.684 ug/l

RT: 10.571 min Scan# 1445

Delta R.T. 0.124 min

Lab File: VN077794.D

Acq: 22 May 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

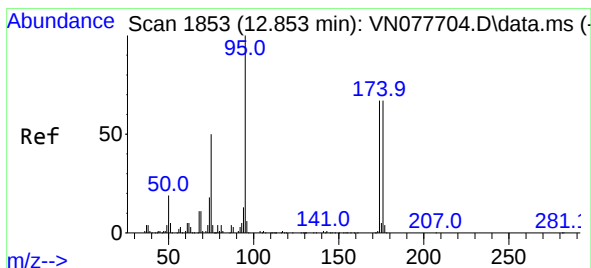
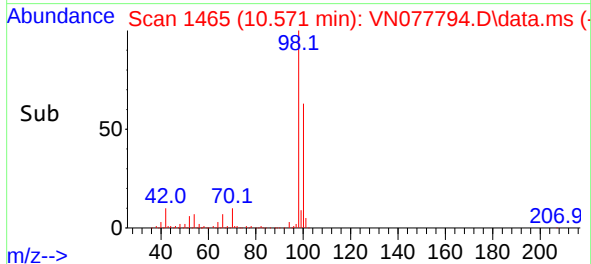
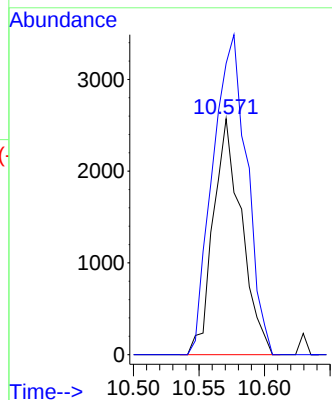
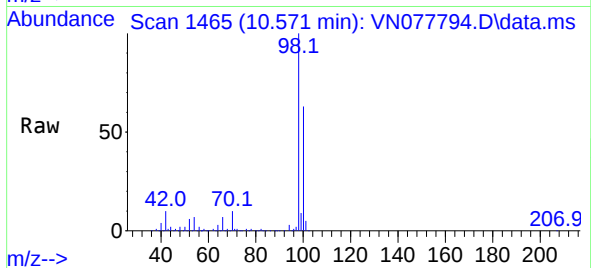
RE105D1-20230518

Tgt Ion: 43 Resp: 3869

Ion Ratio Lower Upper

43 100

58 163.2 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 43.158 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN077794.D

Acq: 22 May 2023 17:05

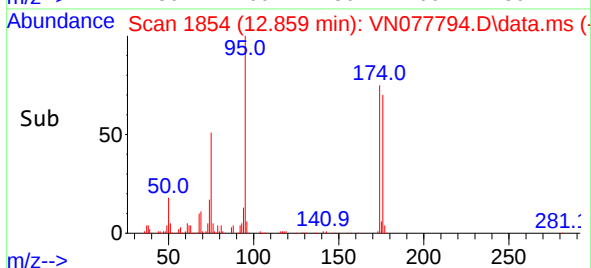
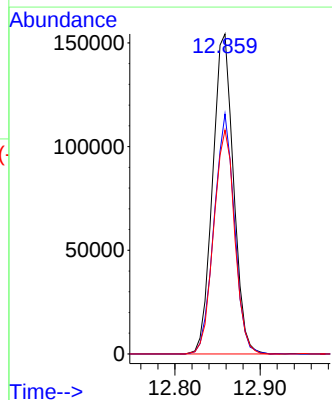
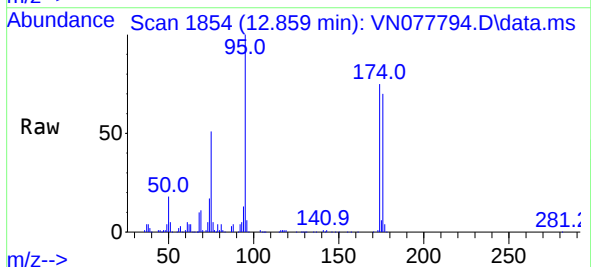
Tgt Ion: 95 Resp: 262277

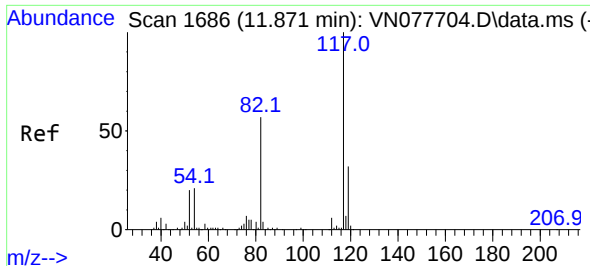
Ion Ratio Lower Upper

95 100

174 73.1 0.0 143.8

176 70.5 0.0 135.8

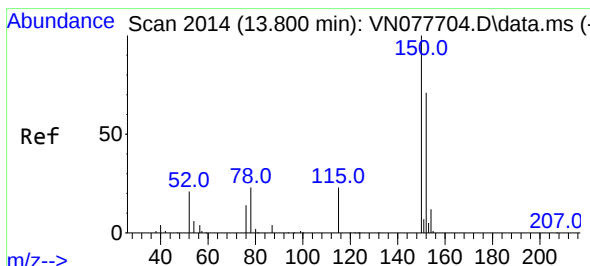
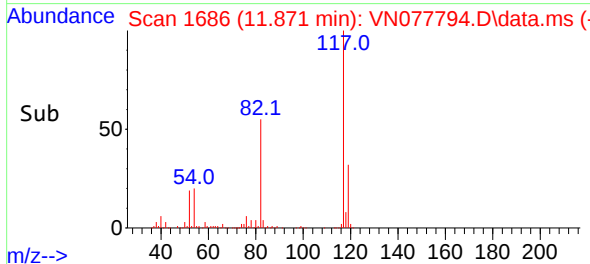
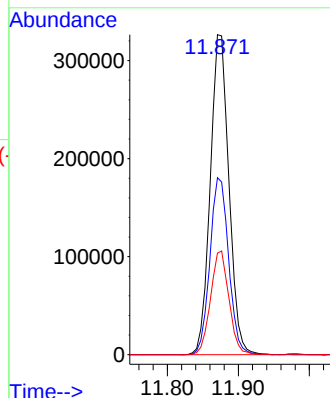
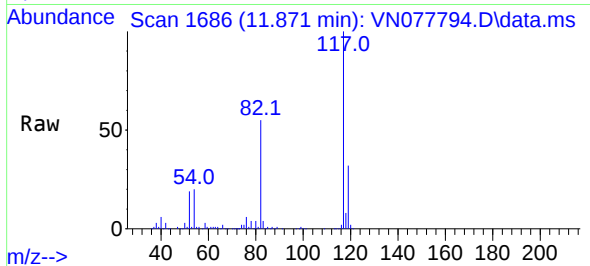




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

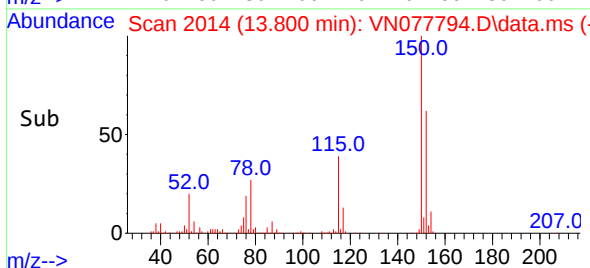
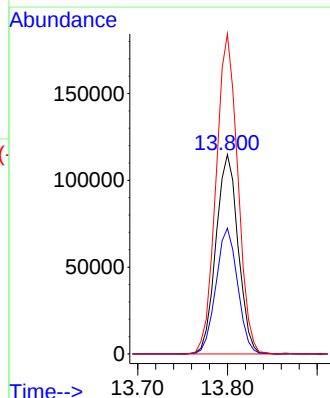
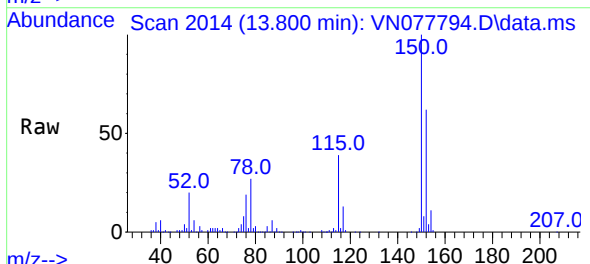
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20230518

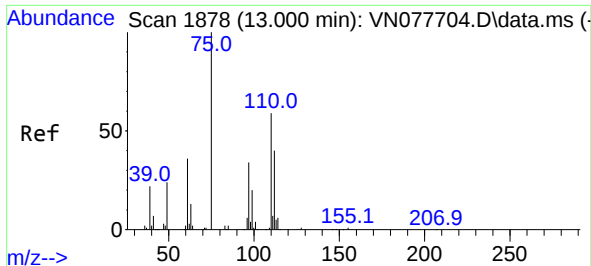
Tgt Ion:117 Resp: 594532
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

Tgt Ion:152 Resp: 196780
Ion Ratio Lower Upper
152 100
115 61.8 32.3 96.8
150 157.4 0.0 355.8

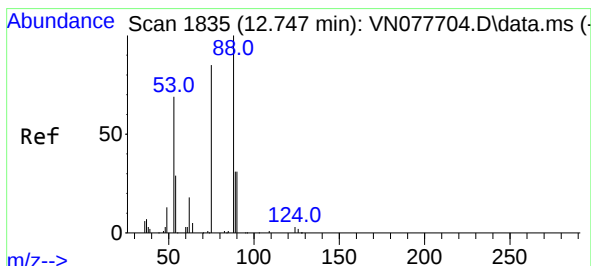
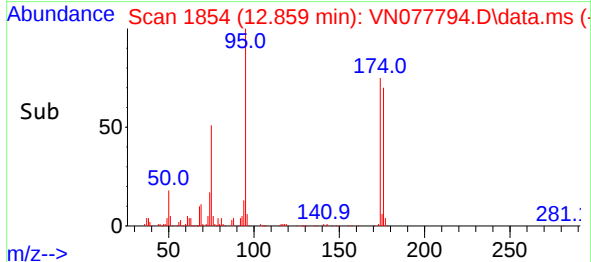
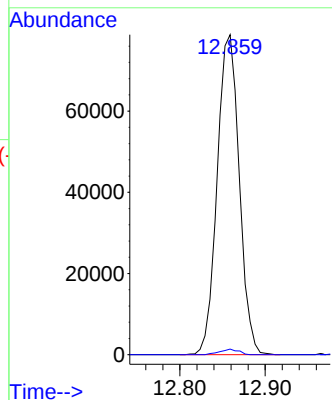
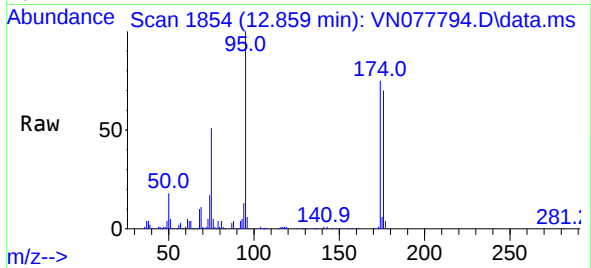




#76
1,2,3-Trichloropropane
Concen: 28.765 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20230518

Tgt Ion: 75 Resp: 141754
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.946 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077794.D
Acq: 22 May 2023 17:05

Tgt Ion: 75 Resp: 141754
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

