

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077784.D
 Acq On : 22 May 2023 13:06
 Operator : JC\MD
 Sample : 02880-04 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D7-20230517

Quant Time: May 23 04:19:06 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)

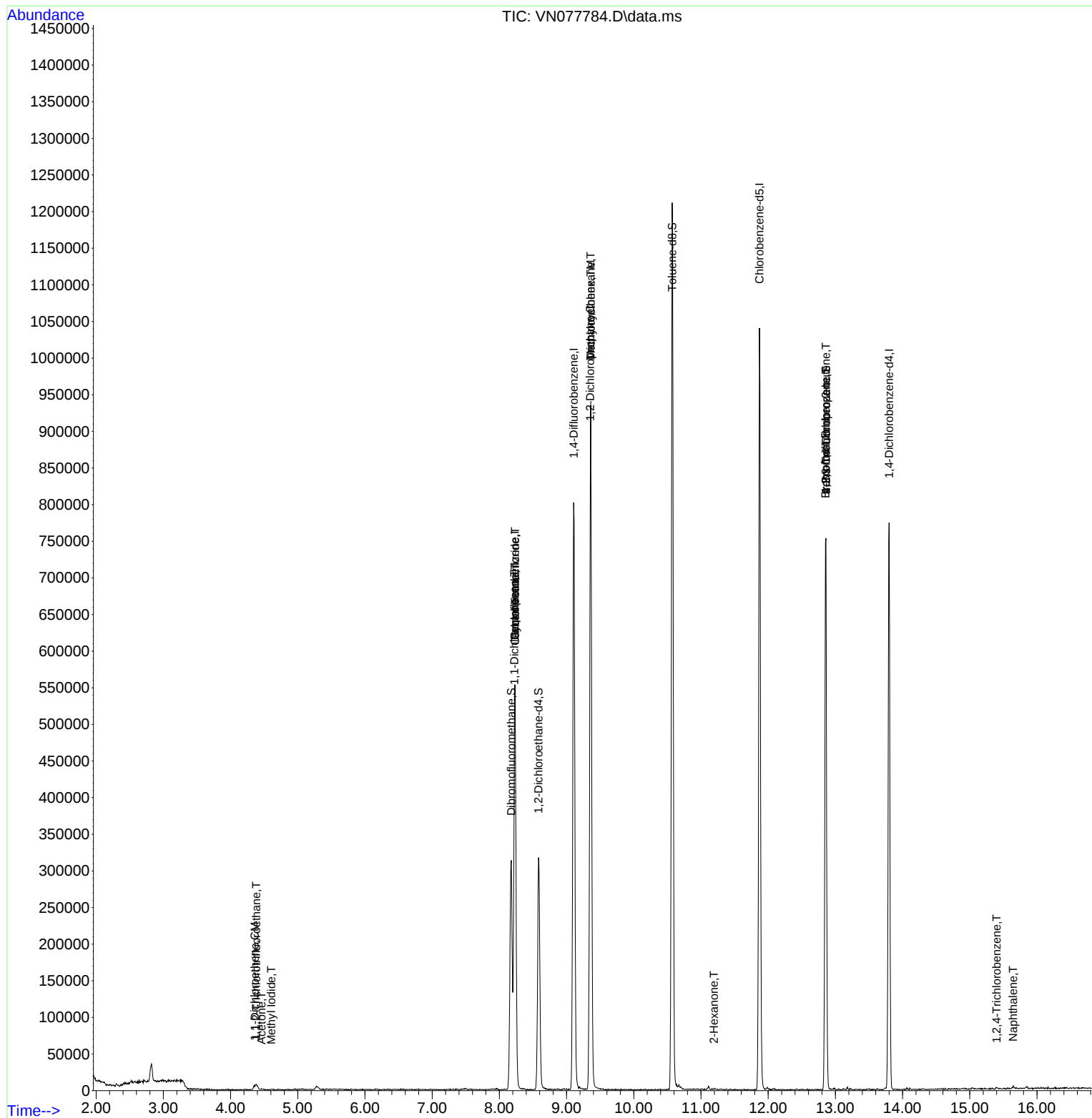
Internal Standards						
1) Pentafluorobenzene	8.230	168	404834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	717958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	625057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	215776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	262221	43.290	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.580%
35) Dibromofluoromethane	8.177	113	229117	48.939	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.880%
50) Toluene-d8	10.571	98	883259	49.015	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.020%
62) 4-Bromofluorobenzene	12.859	95	277787	43.647	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.300%
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1095	Below Cal		90
9) 1,1,2-Trichlorotrifluo...	4.383	101	5009	1.118 ug/l #		33
10) Methyl Iodide	4.606	142	1422	0.266 ug/l #		75
12) 1,1-Dichloroethene	4.359	96	1138	0.267 ug/l #		76
13) Acrolein	4.195	56	147	Below Cal #		1
16) Acetone	4.459	43	1049	0.550 ug/l #		86
20) Methylene Chloride	5.295	84	3348	Below Cal #		76
31) Cyclohexane	8.230	56	9688	1.177 ug/l #		41
36) 1,1-Dichloropropene	8.224	75	33416	4.880 ug/l #		49
38) Carbon Tetrachloride	8.235	117	43452	6.284 ug/l #		14
39) Methylcyclohexane	9.359	83	4085	0.487 ug/l #		1
44) Trichloroethene	9.359	130	331024	64.695 ug/l		99
45) 1,2-Dichloropropane	9.353	63	1114	0.216 ug/l #		1
59) 2-Hexanone	11.194	43	894	0.204 ug/l #		58
71) Bromoform	12.853	173	1606	0.515 ug/l #		28
76) 1,2,3-Trichloropropane	12.859	75	143752	26.602 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.859	75	143752	85.034 ug/l #		15
93) 1,2,4-Trichlorobenzene	15.400	180	1156	0.270 ug/l #		51
95) Naphthalene	15.647	128	3125	0.212 ug/l #		82

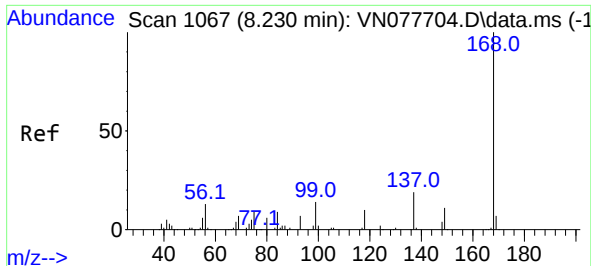
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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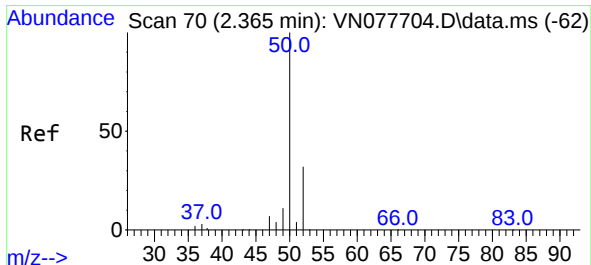
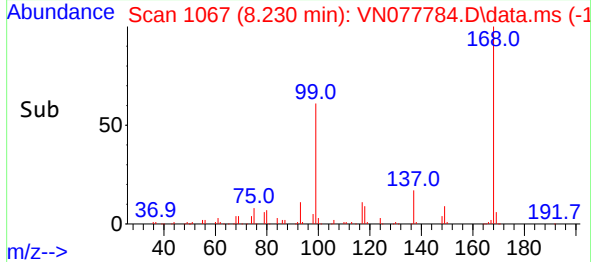
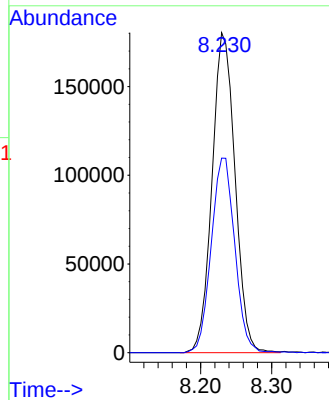
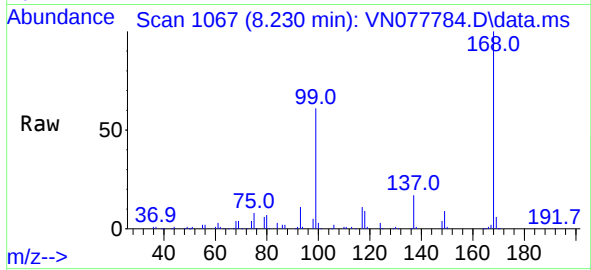




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

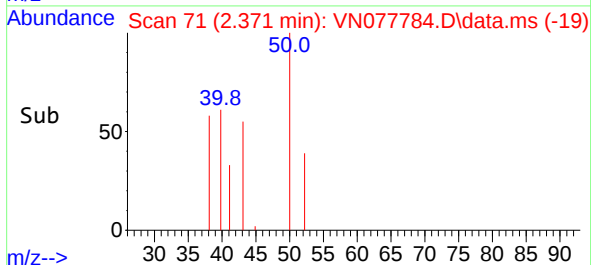
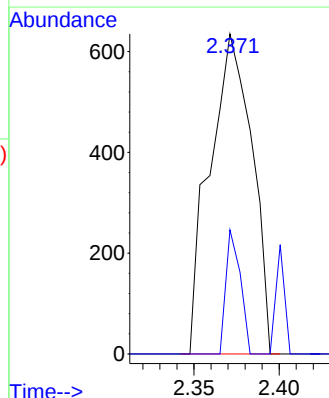
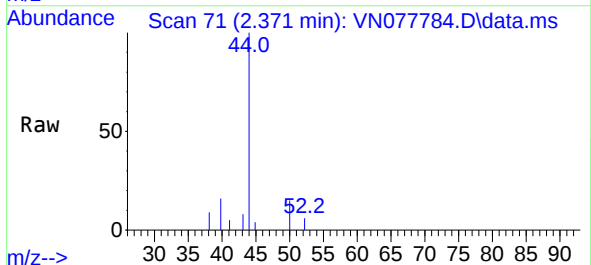
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MSVOA_N
ClientSampleId :
RE132D7-20230517

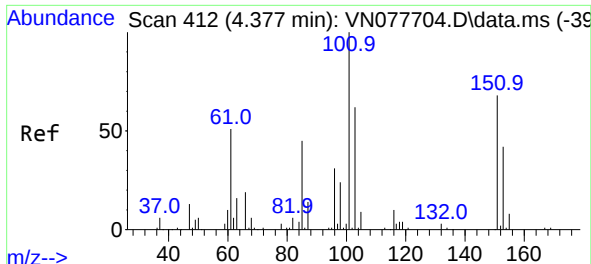
Tgt Ion:168 Resp: 404834
Ion Ratio Lower Upper
168 100
99 60.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

Tgt Ion: 50 Resp: 1095
Ion Ratio Lower Upper
50 100
52 38.7 26.5 39.7

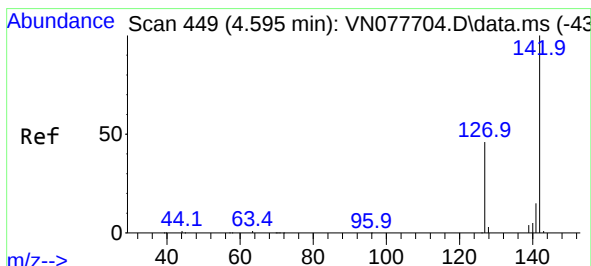
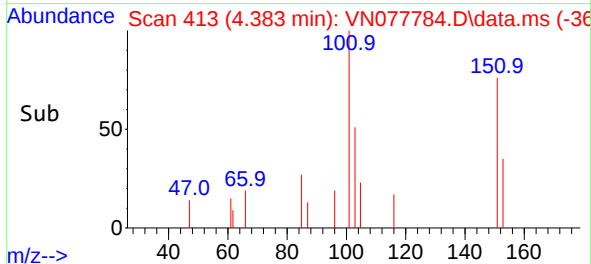
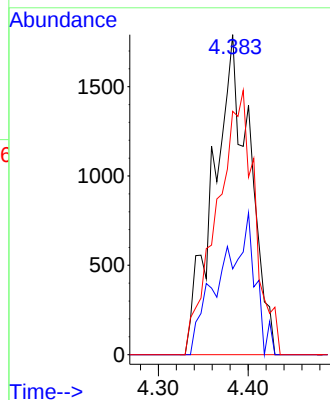
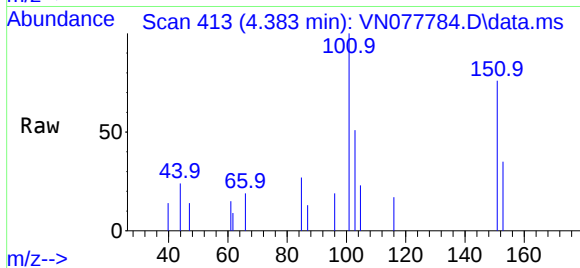




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.118 ug/l
RT: 4.383 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

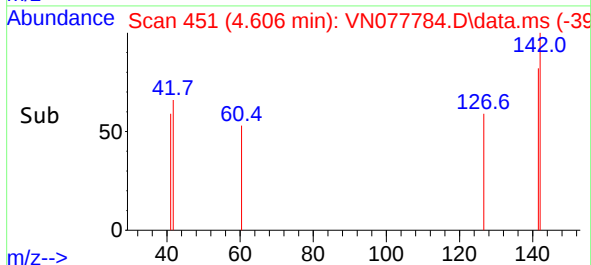
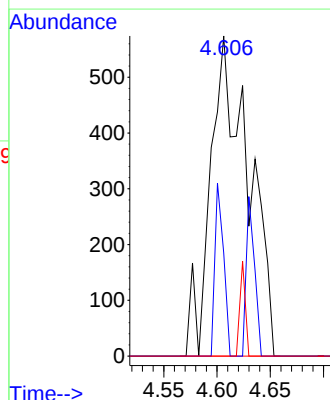
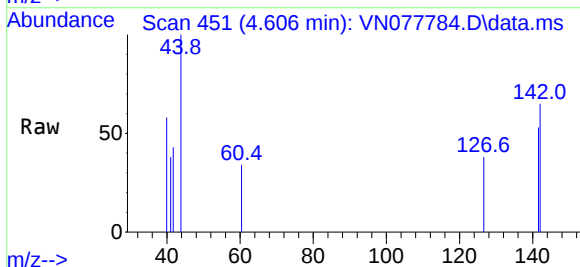
Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20230517

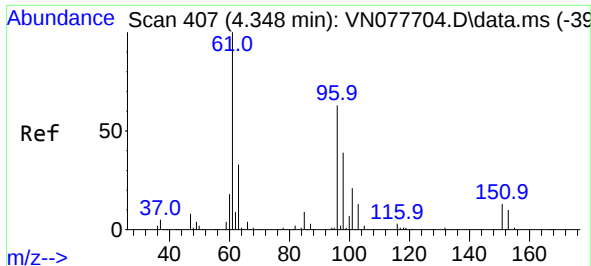
Tgt Ion:101 Resp: 5009
Ion Ratio Lower Upper
101 100
85 21.6 36.6 55.0#
151 0.0 57.6 86.4#



#10
Methyl Iodide
Concen: 0.266 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

Tgt Ion:142 Resp: 1422
Ion Ratio Lower Upper
142 100
127 32.2 37.6 56.4#
141 0.0 11.4 17.0#

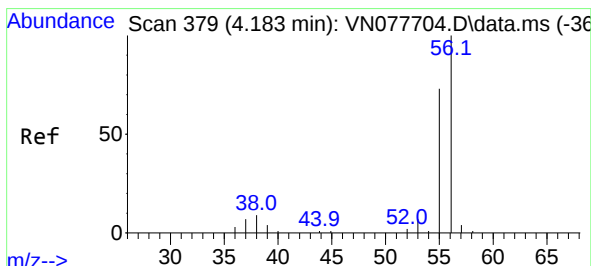
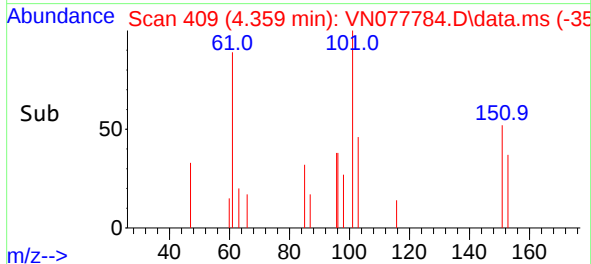
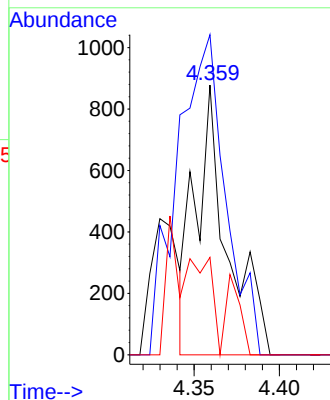
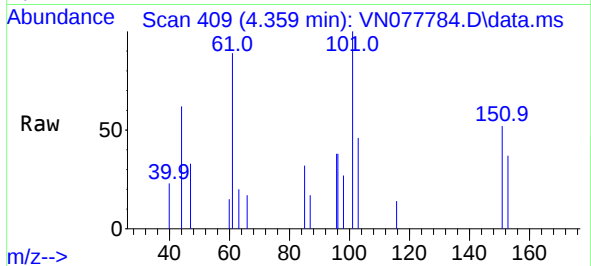




#12
1,1-Dichloroethene
Concen: 0.267 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.012 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

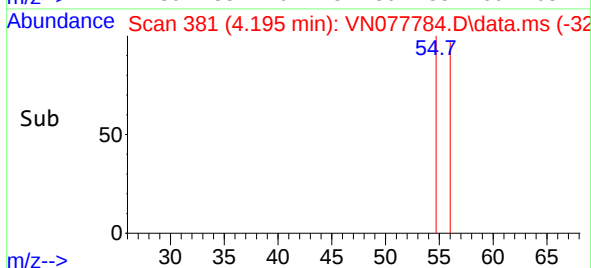
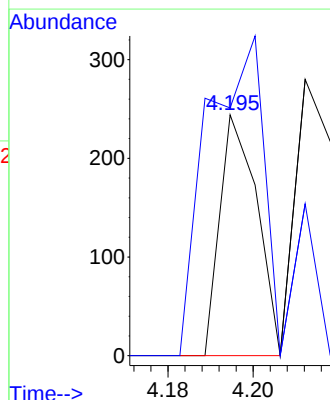
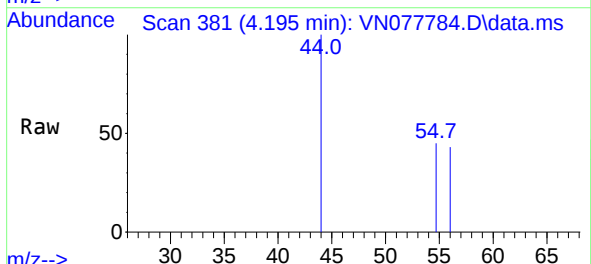
Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20230517

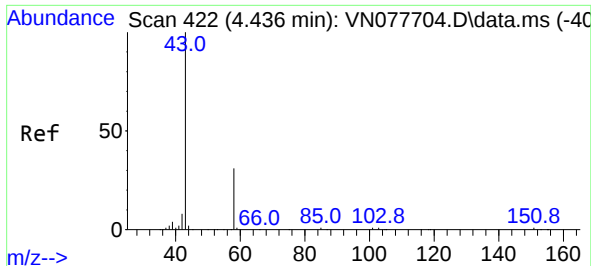
Tgt Ion: 96 Resp: 1138
Ion Ratio Lower Upper
96 100
61 118.7 112.7 169.1
98 36.1 51.2 76.8#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

Tgt Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
55 237.4 54.5 81.7#

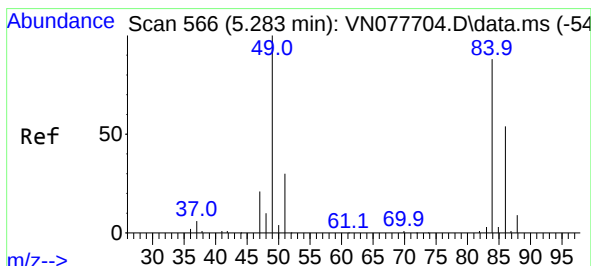
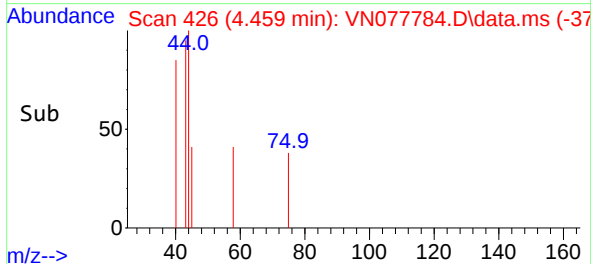
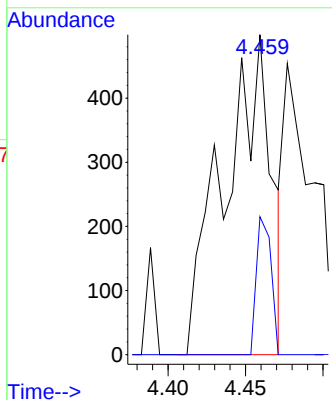
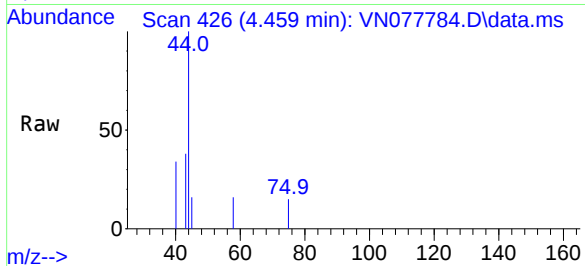




#16
Acetone
Concen: 0.550 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

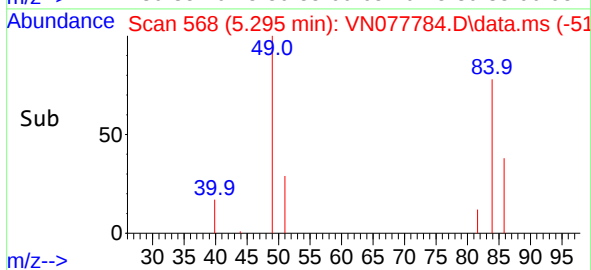
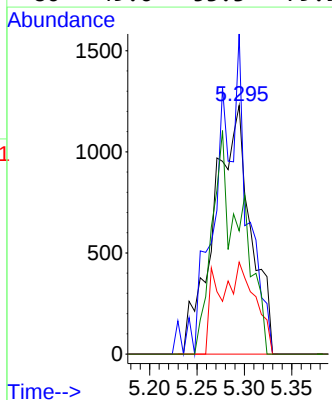
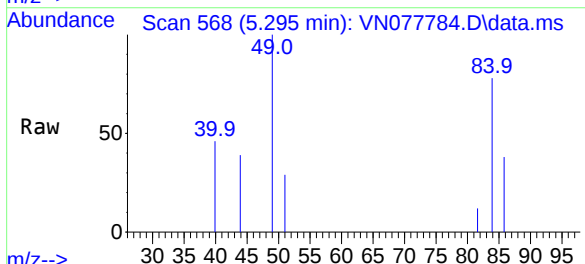
Instrument :
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RE132D7-20230517

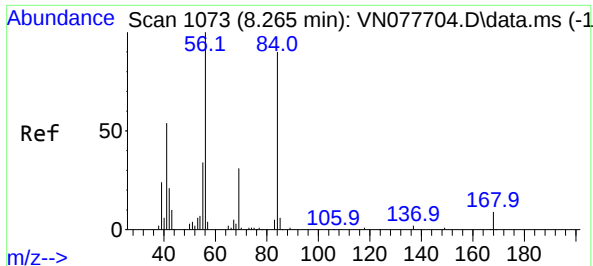
Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
58 43.1 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 568
Delta R.T. 0.011 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

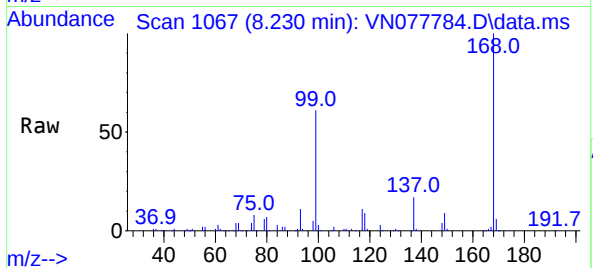
Tgt Ion: 84 Resp: 3348
Ion Ratio Lower Upper
84 100
49 128.8 79.7 119.5#
51 37.0 25.2 37.8
86 49.6 53.3 79.9#



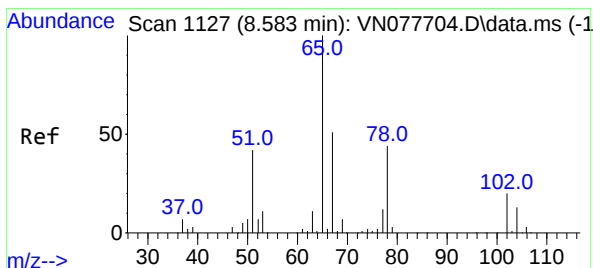
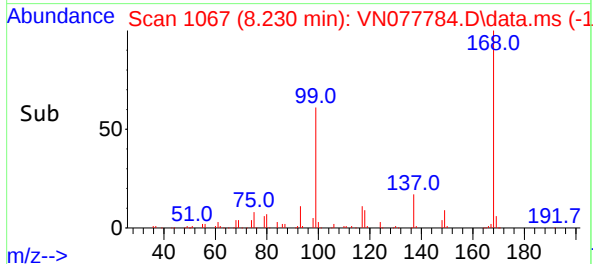
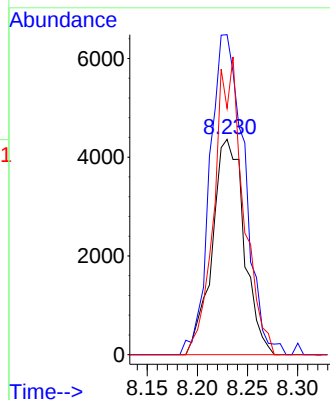


#31
Cyclohexane
Concen: 1.177 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20230517

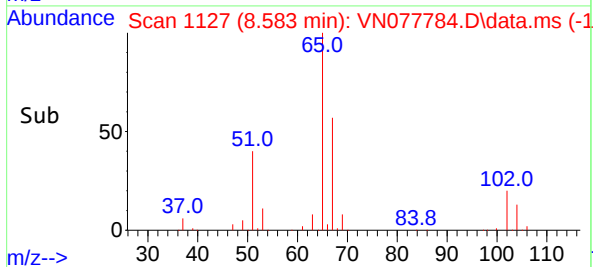
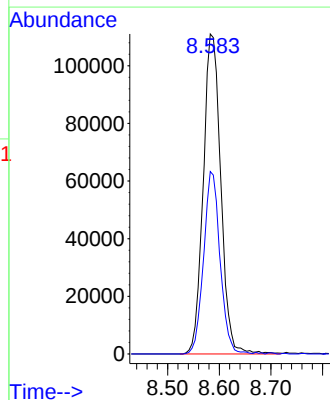
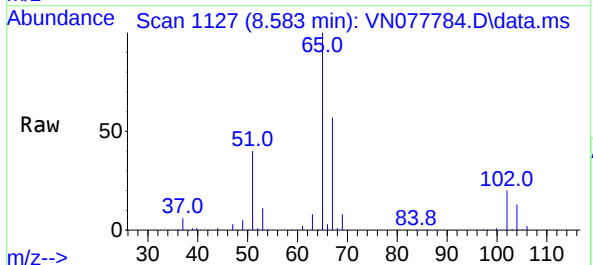


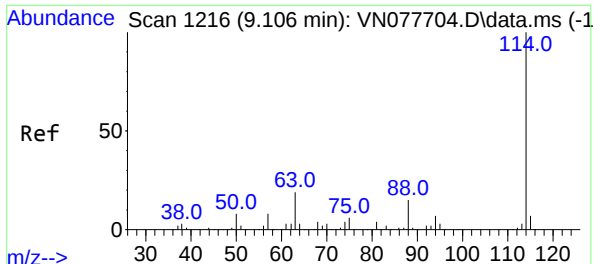
Tgt Ion: 56 Resp: 9688
Ion Ratio Lower Upper
56 100
69 148.6 26.8 40.2#
84 114.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 43.290 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

Tgt Ion: 65 Resp: 262221
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.6

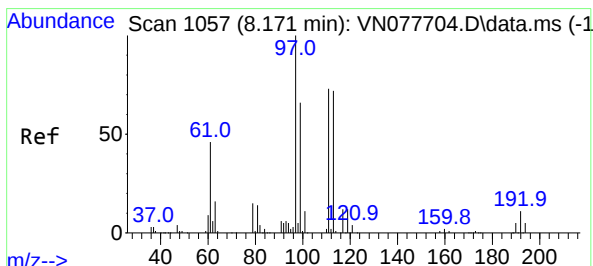
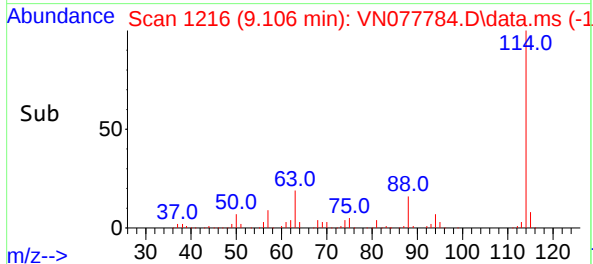
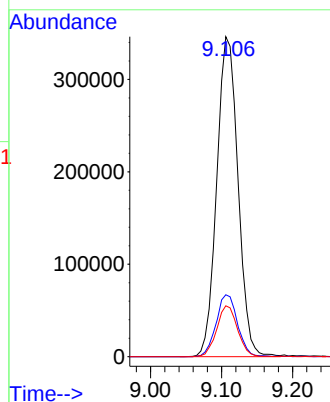
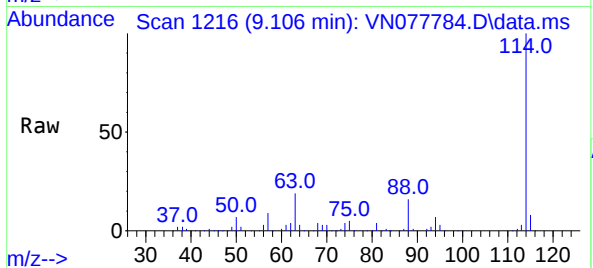




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

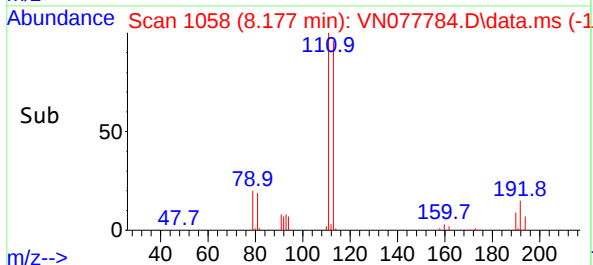
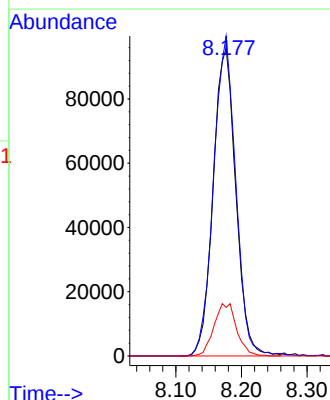
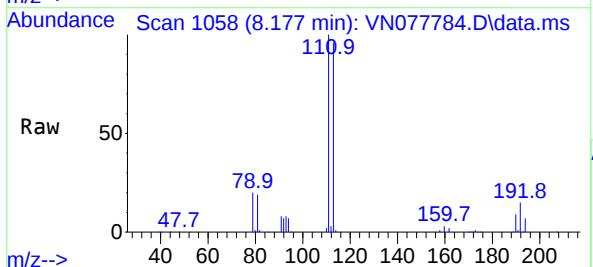
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RE132D7-20230517

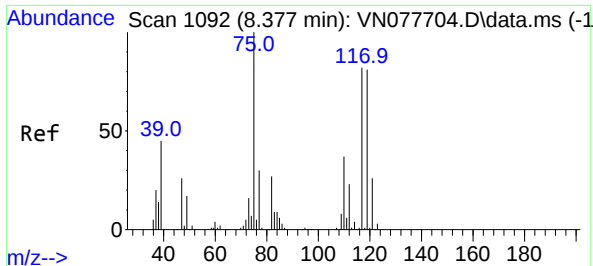
Tgt Ion:114 Resp: 717958
Ion Ratio Lower Upper
114 100
63 19.3 0.0 36.4
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.939 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

Tgt Ion:113 Resp: 229117
Ion Ratio Lower Upper
113 100
111 102.6 82.6 123.8
192 17.2 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.880 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN077784.D

Acq: 22 May 2023 13:06

Instrument :

MSVOA_N

ClientSampleId :

RE132D7-20230517

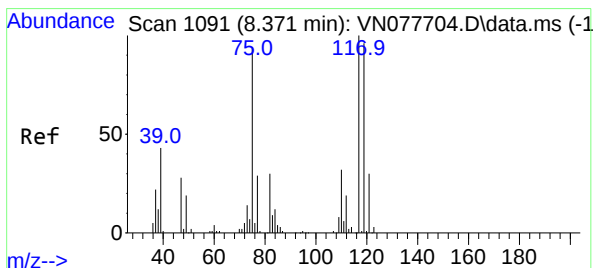
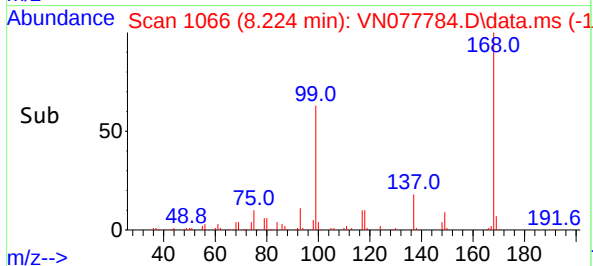
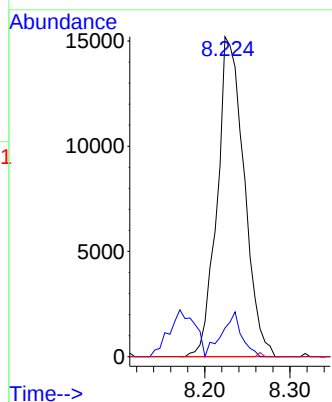
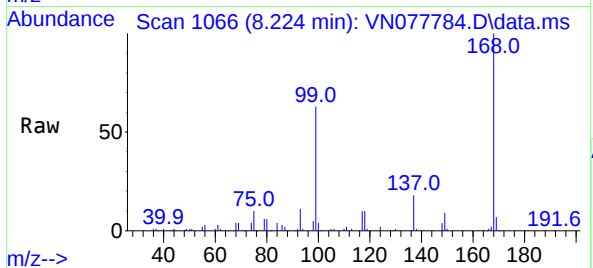
Tgt Ion: 75 Resp: 33416

Ion Ratio Lower Upper

75 100

110 10.3 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.284 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VN077784.D

Acq: 22 May 2023 13:06

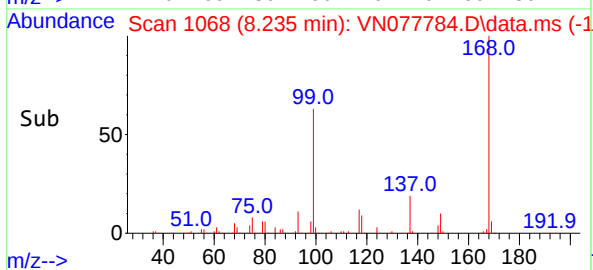
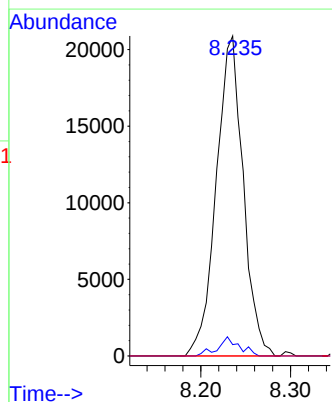
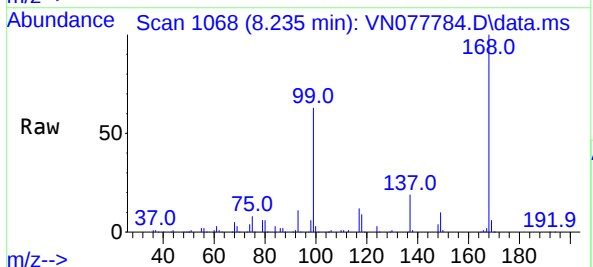
Tgt Ion: 117 Resp: 43452

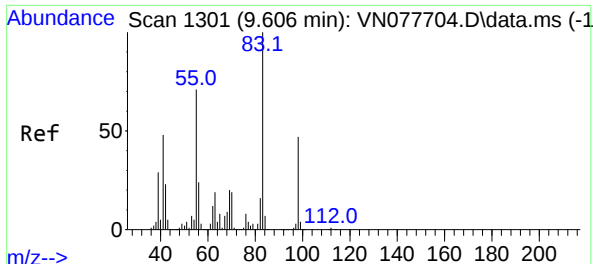
Ion Ratio Lower Upper

117 100

119 3.5 77.3 115.9#

121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.487 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.247 min

Lab File: VN077784.D

Acq: 22 May 2023 13:06

Instrument :

MSVOA_N

ClientSampleId :

RE132D7-20230517

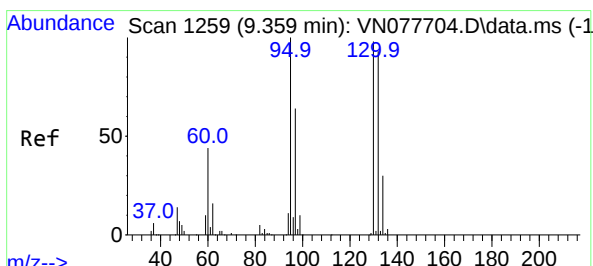
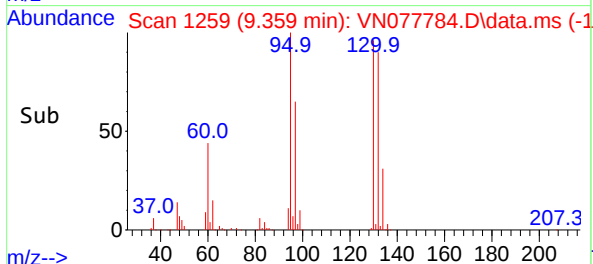
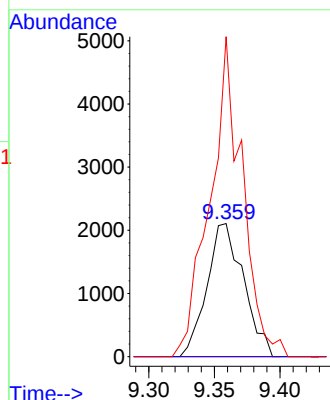
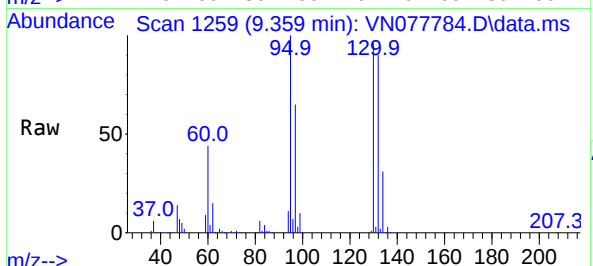
Tgt Ion: 83 Resp: 4085

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 231.8 40.6 61.0#



#44

Trichloroethene

Concen: 64.695 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN077784.D

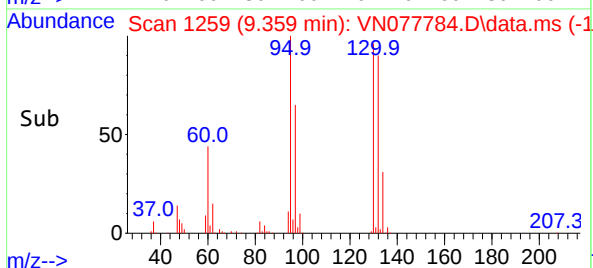
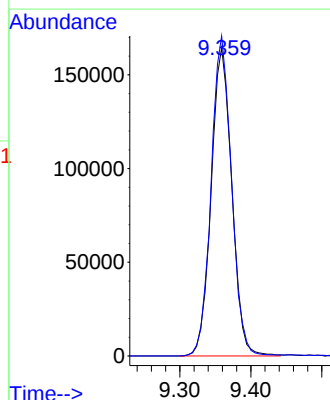
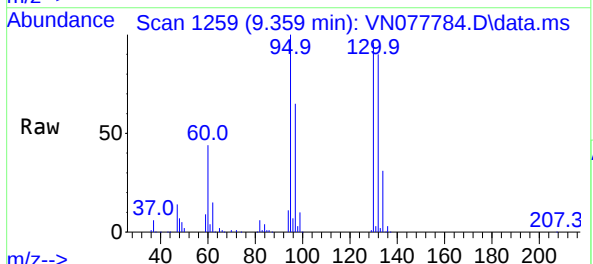
Acq: 22 May 2023 13:06

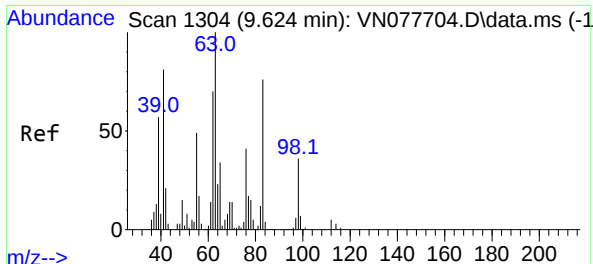
Tgt Ion:130 Resp: 331024

Ion Ratio Lower Upper

130 100

95 103.8 0.0 204.6

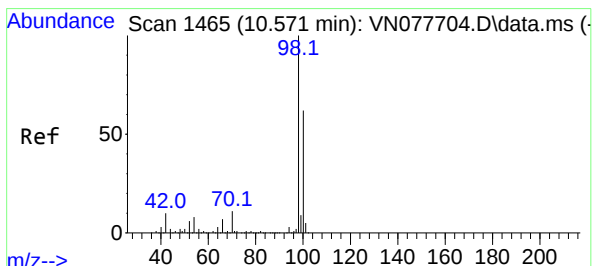
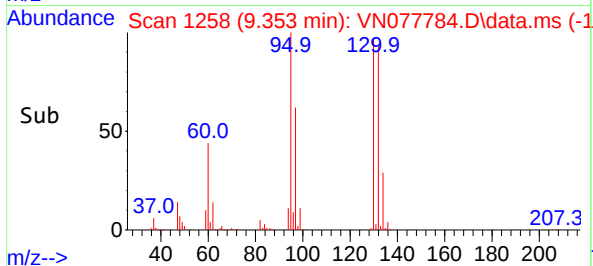
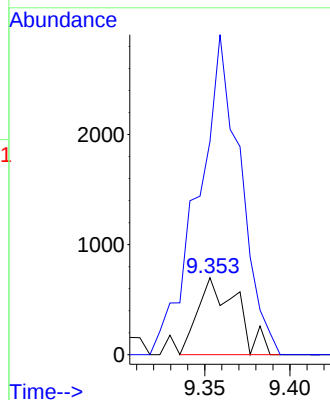
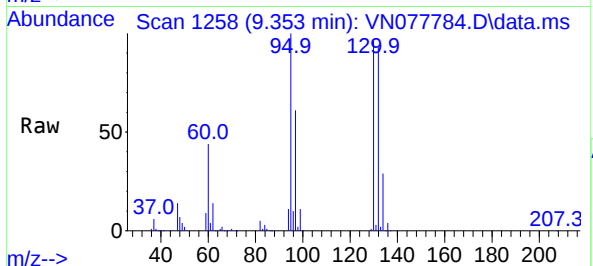




#45
1,2-Dichloropropane
Concen: 0.216 ug/l
RT: 9.353 min Scan# 1114
Delta R.T. -0.271 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

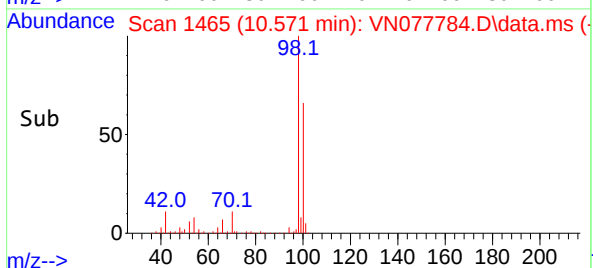
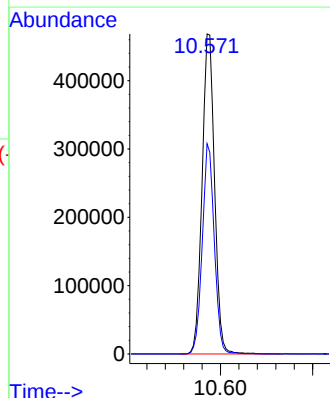
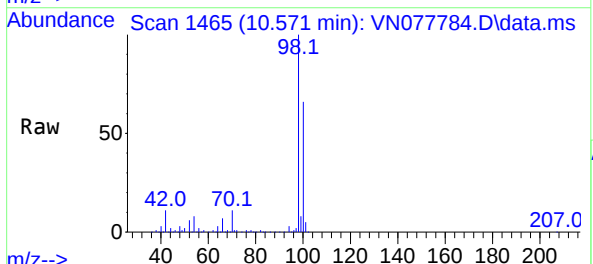
Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20230517

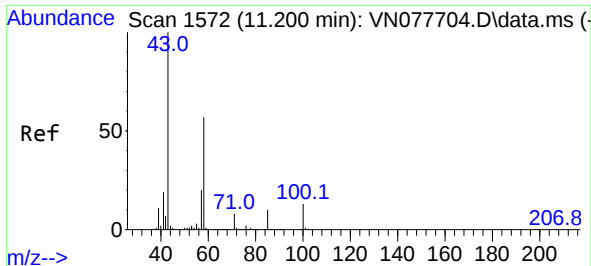
Tgt Ion: 63 Resp: 1114
Ion Ratio Lower Upper
63 100
65 277.0 23.9 35.9#



#50
Toluene-d8
Concen: 49.015 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

Tgt Ion: 98 Resp: 883259
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

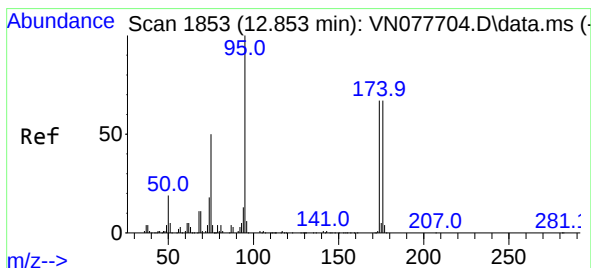
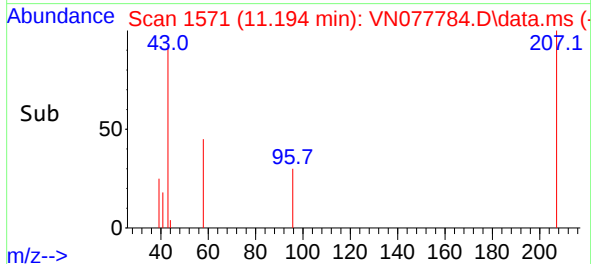
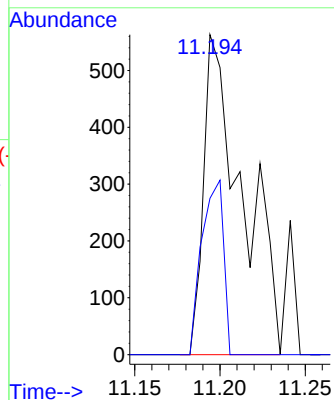
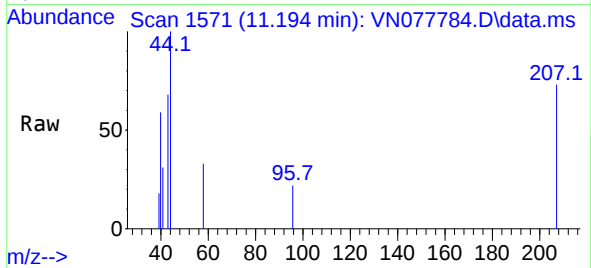




#59
2-Hexanone
Concen: 0.204 ug/l
RT: 11.194 min Scan# 111
Delta R.T. -0.006 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

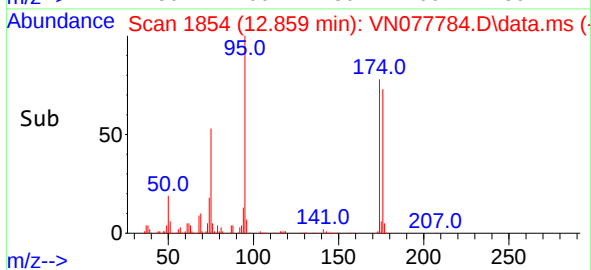
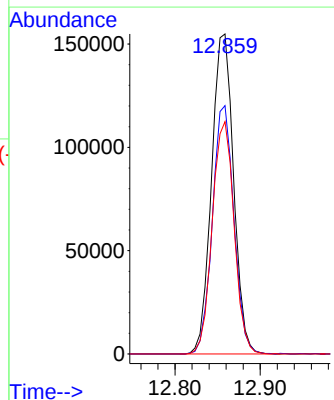
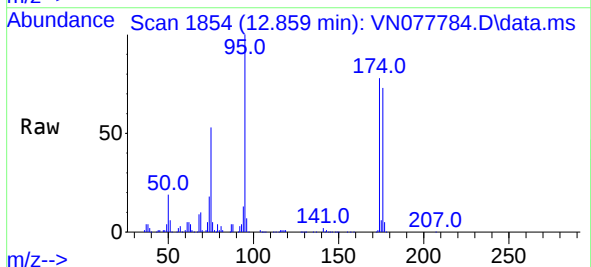
Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20230517

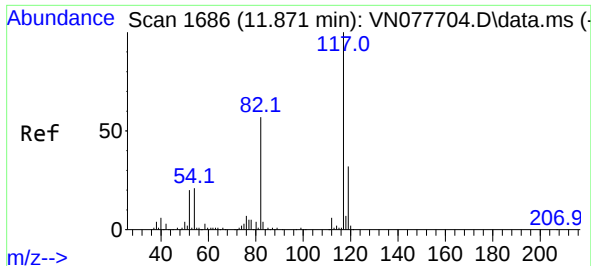
Tgt Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
58 30.4 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 43.647 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

Tgt Ion: 95 Resp: 277787
Ion Ratio Lower Upper
95 100
174 75.8 0.0 143.8
176 72.0 0.0 135.8

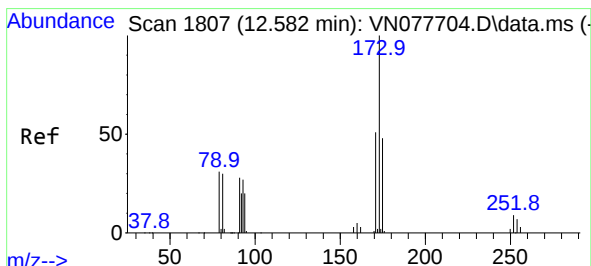
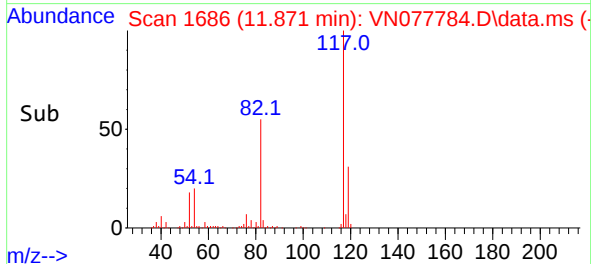
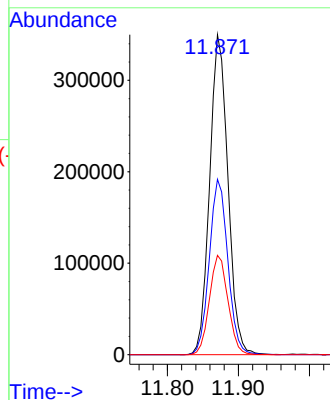
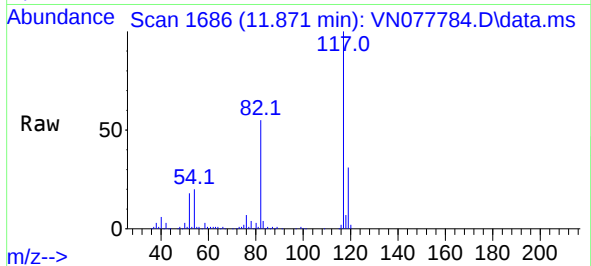




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

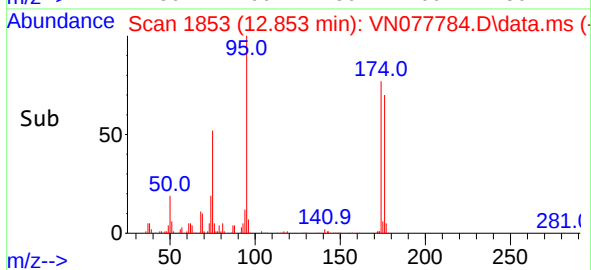
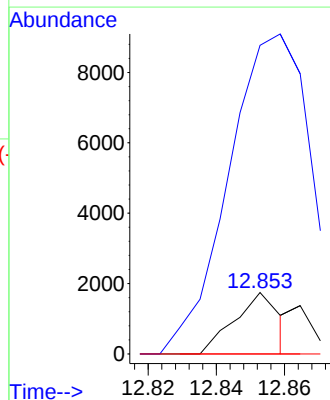
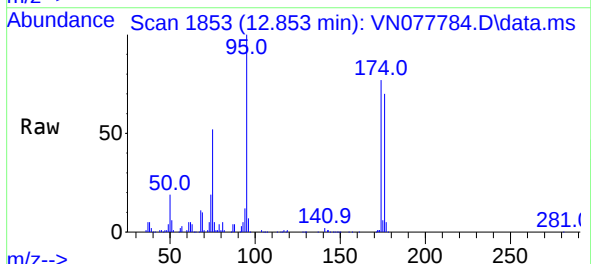
Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20230517

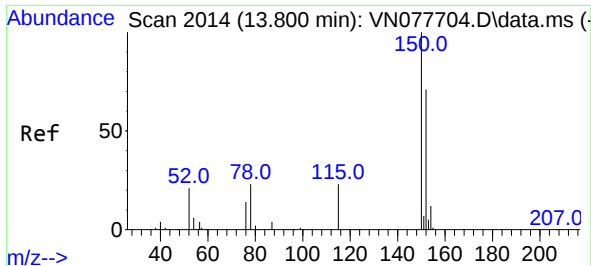
Tgt Ion:117 Resp: 625057
Ion Ratio Lower Upper
117 100
82 54.8 44.0 66.0
119 31.1 25.6 38.4



#71
Bromoform
Concen: 0.515 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

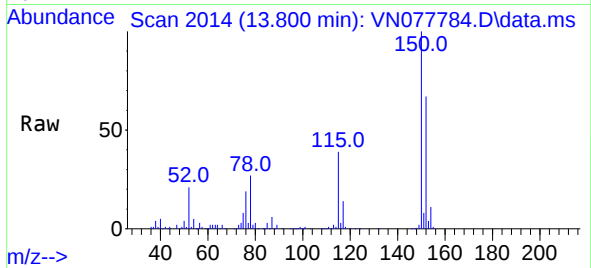
Tgt Ion:173 Resp: 1606
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



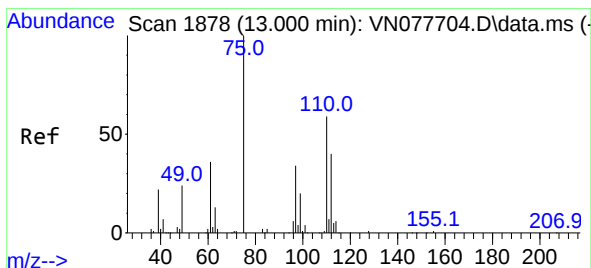
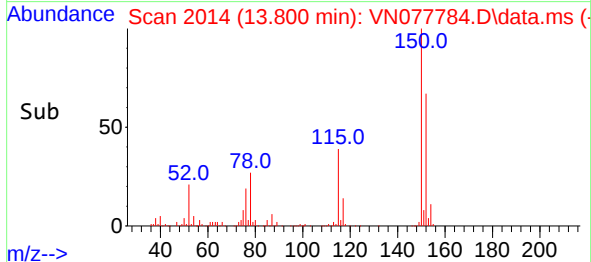
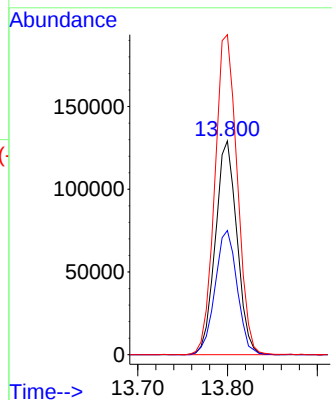


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20230517

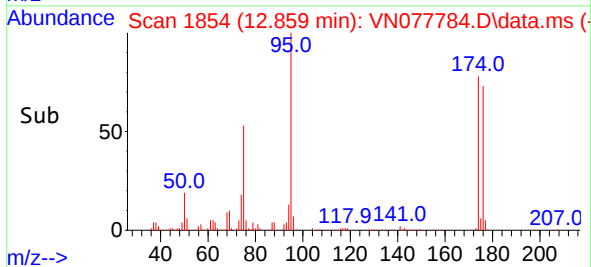
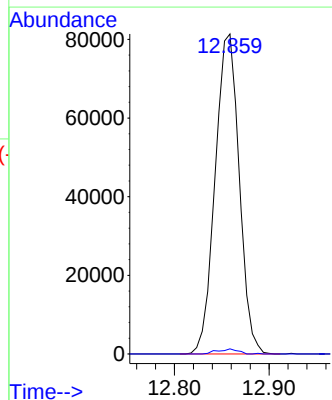
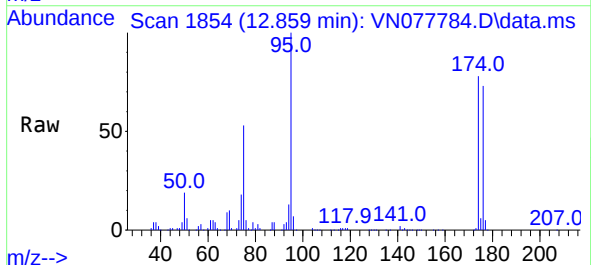


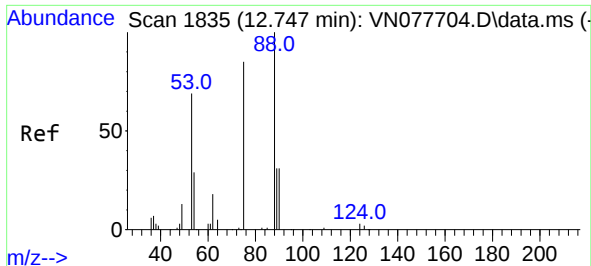
Tgt Ion:152 Resp: 215776
Ion Ratio Lower Upper
152 100
115 59.7 32.3 96.8
150 155.3 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 26.602 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

Tgt Ion: 75 Resp: 143752
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#

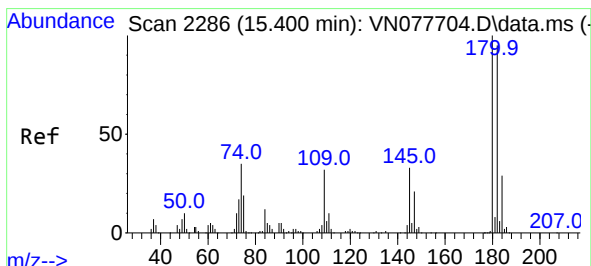
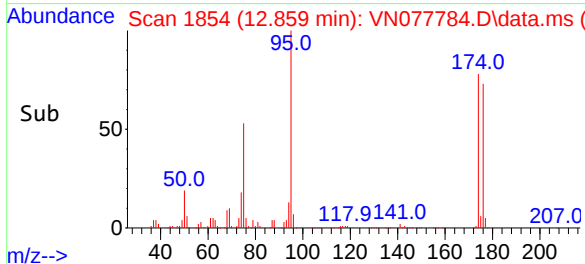
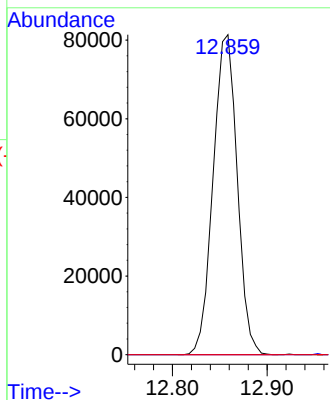
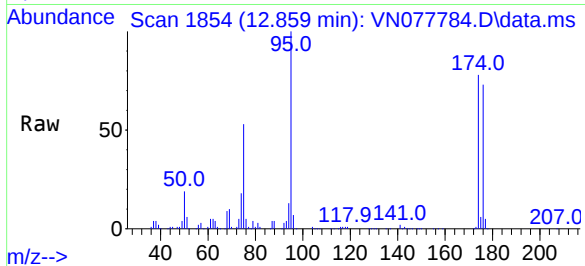




#81
trans-1,4-Dichloro-2-butene
Concen: 85.034 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

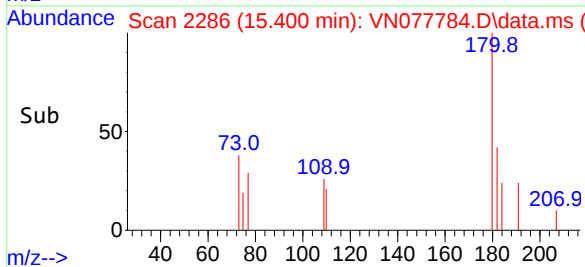
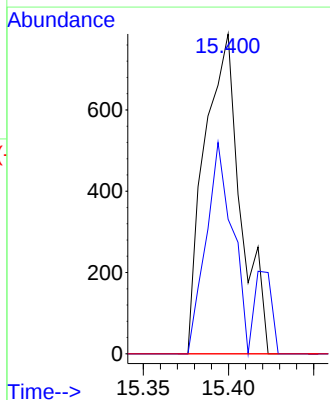
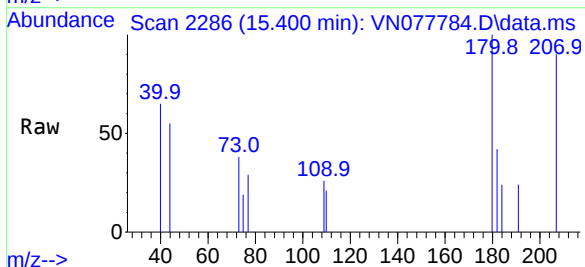
Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20230517

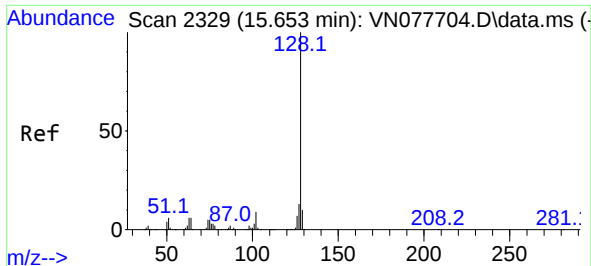
Tgt Ion: 75 Resp: 143752
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.270 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN077784.D
Acq: 22 May 2023 13:06

Tgt Ion:180 Resp: 1156
Ion Ratio Lower Upper
180 100
182 48.7 46.1 138.2
145 0.0 16.6 49.8#





#95

Naphthalene

Concen: 0.212 ug/l

RT: 15.647 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077784.D

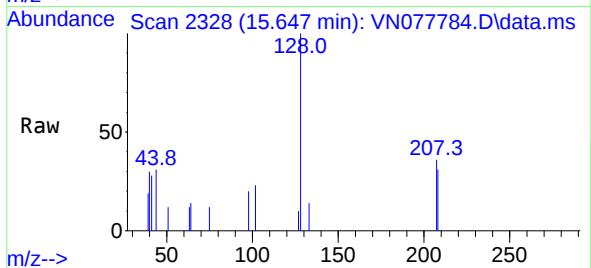
Acq: 22 May 2023 13:06

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:128 Resp: 3125

Ion Ratio Lower Upper

128 100

127 4.3 10.0 15.0#

129 5.4 8.7 13.1#

