

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077785.D
 Acq On : 22 May 2023 13:30
 Operator : JC\MD
 Sample : 02880-10 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20230518

Quant Time: May 23 04:19:17 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)

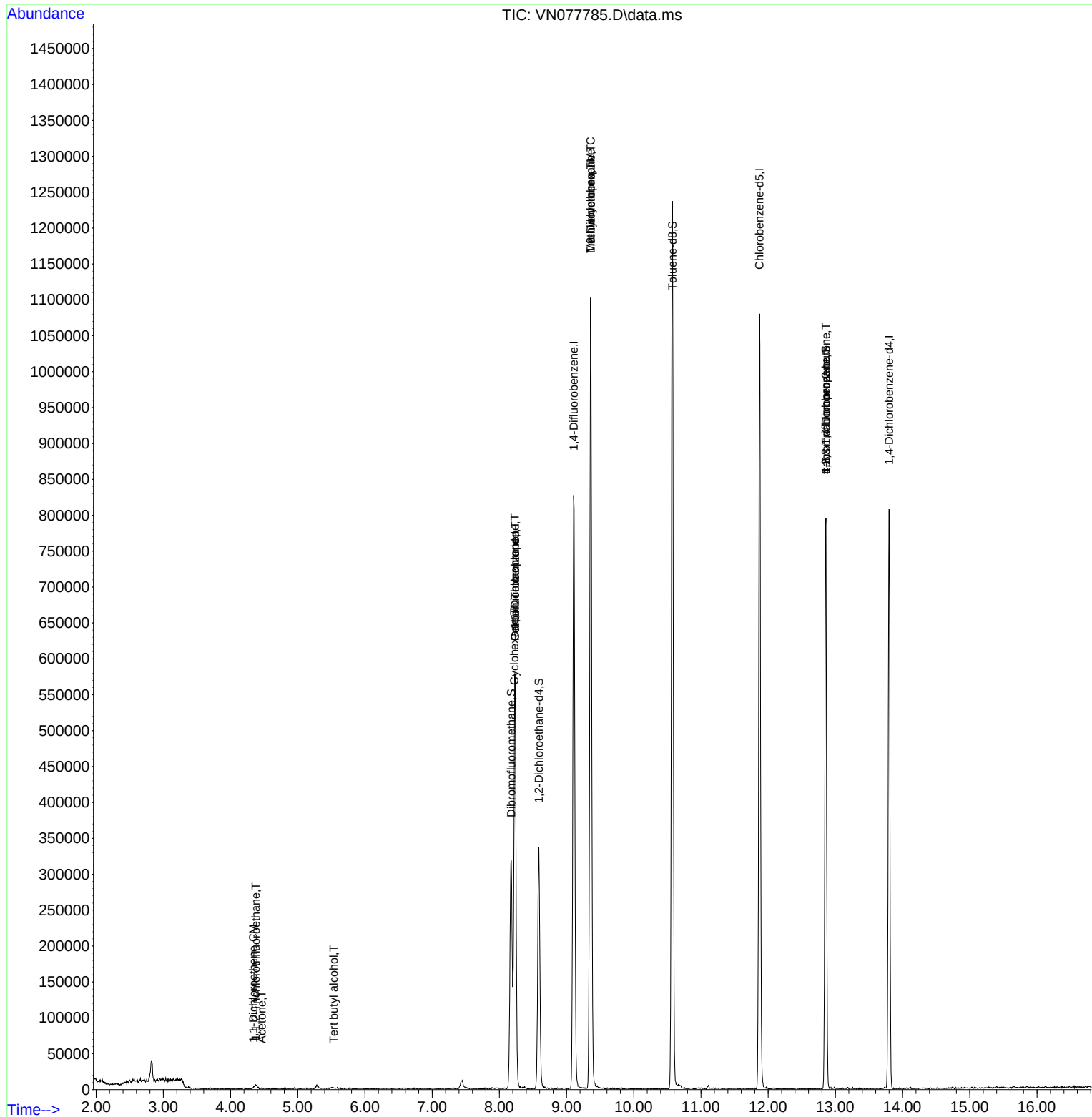
Internal Standards						
1) Pentafluorobenzene	8.235	168	419686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	738751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	649901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	223037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	273730	43.590	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.180%
35) Dibromofluoromethane	8.177	113	236591	49.113	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.220%
50) Toluene-d8	10.576	98	909913	49.073	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.140%
62) 4-Bromofluorobenzene	12.859	95	288529	44.059	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.120%
Target Compounds						
3) Chloromethane	2.377	50	1433	Below Cal	#	33
9) 1,1,2-Trichlorotrifluo...	4.377	101	3784	0.815	ug/l	92
11) Tert butyl alcohol	5.536	59	178	0.205	ug/l #	72
12) 1,1-Dichloroethene	4.342	96	1302	0.295	ug/l	86
13) Acrolein	4.200	56	484	Below Cal	#	64
16) Acetone	4.465	43	1044	0.528	ug/l #	40
20) Methylene Chloride	5.294	84	2188	Below Cal	#	80
31) Cyclohexane	8.224	56	10088	1.182	ug/l #	27
36) 1,1-Dichloropropene	8.230	75	35236	5.001	ug/l #	48
38) Carbon Tetrachloride	8.235	117	46594	6.549	ug/l #	15
39) Methylcyclohexane	9.359	83	5512	0.639	ug/l #	1
44) Trichloroethene	9.359	130	394902	75.007	ug/l	99
45) 1,2-Dichloropropane	9.359	63	1161	0.219	ug/l #	1
76) 1,2,3-Trichloropropane	12.859	75	154098	27.588	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	154098	88.186	ug/l #	15

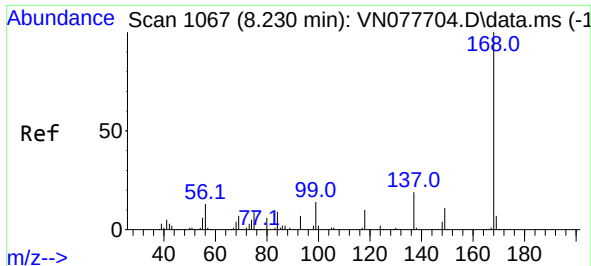
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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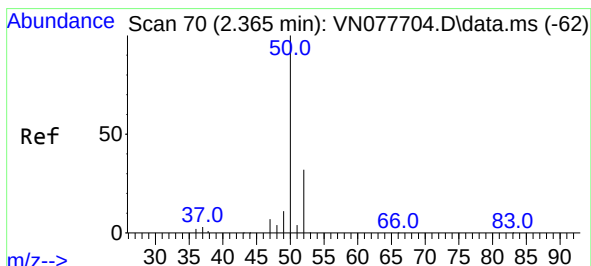
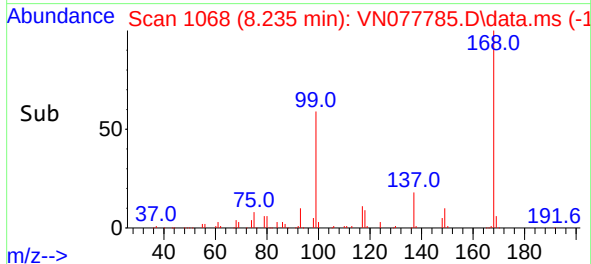
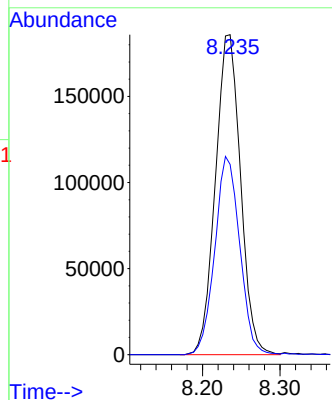
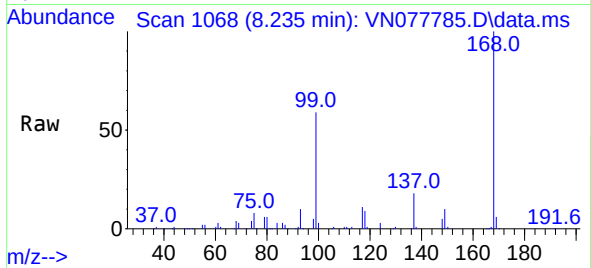




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

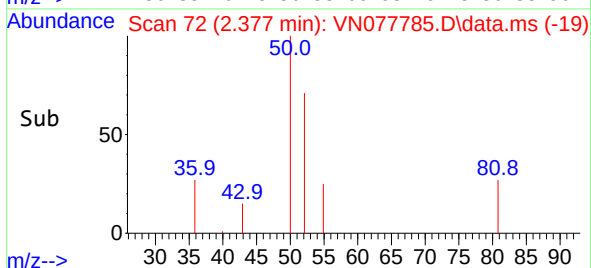
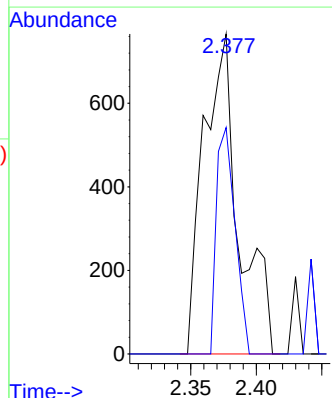
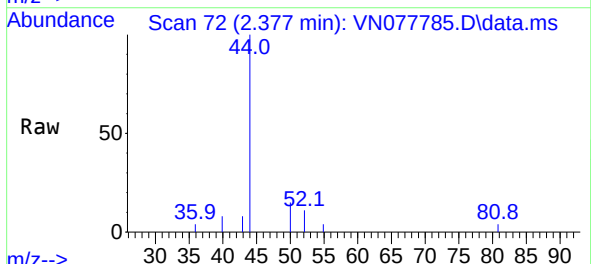
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20230518

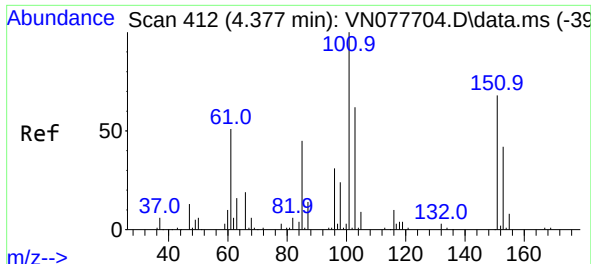
Tgt Ion:168 Resp: 419686
Ion Ratio Lower Upper
168 100
99 59.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

Tgt Ion: 50 Resp: 1433
Ion Ratio Lower Upper
50 100
52 70.8 26.5 39.7#

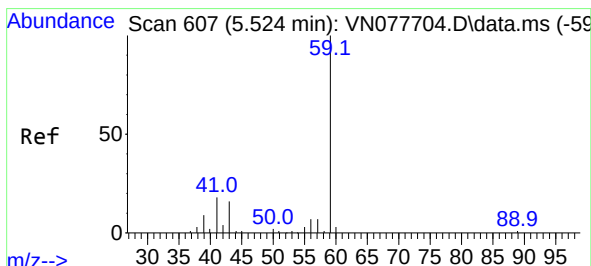
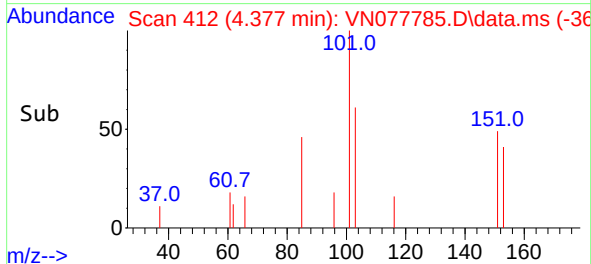
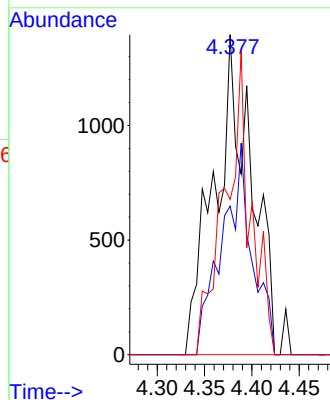
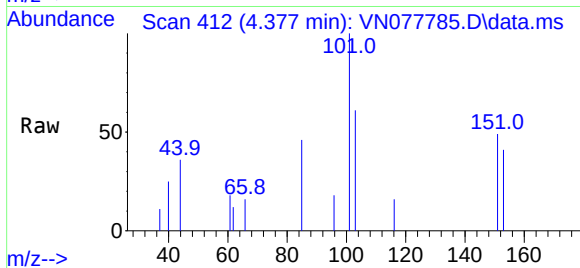




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.815 ug/l
RT: 4.377 min Scan# 412
Delta R.T. -0.000 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

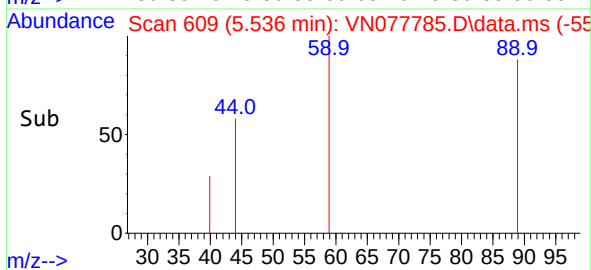
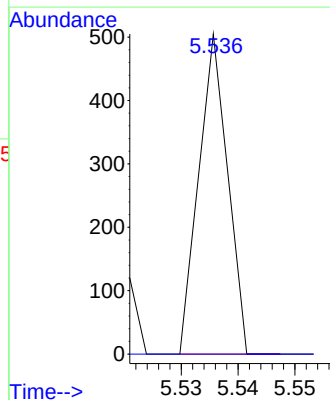
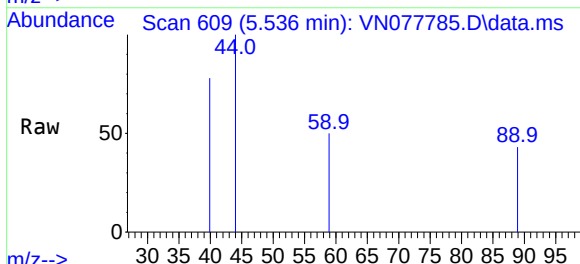
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20230518

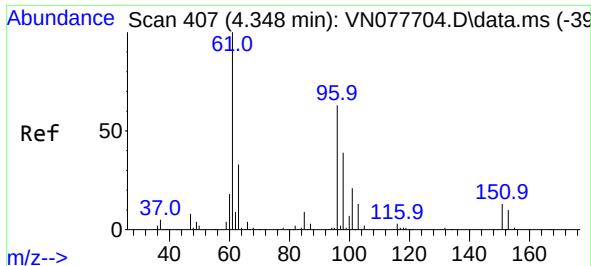
Tgt Ion:	101	Resp:	3784
Ion	Ratio	Lower	Upper
101	100		
85	53.2	36.6	55.0
151	66.8	57.6	86.4



#11
Tert butyl alcohol
Concen: 0.205 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.006 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

Tgt Ion:	59	Resp:	178
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4

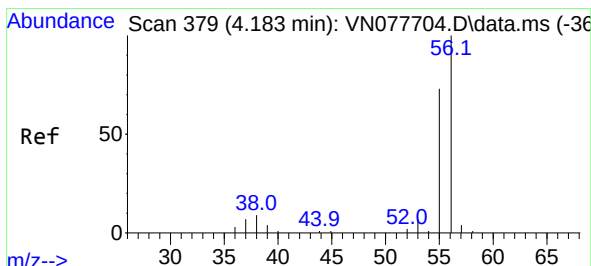
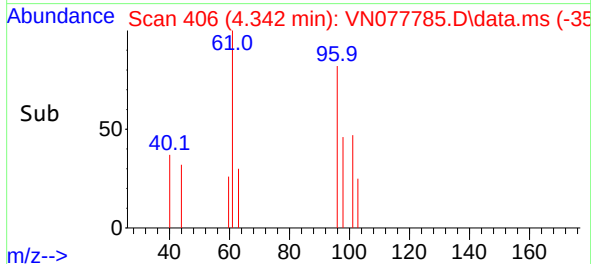
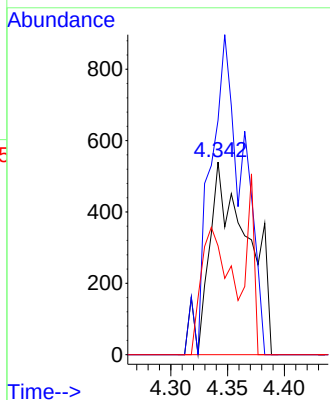
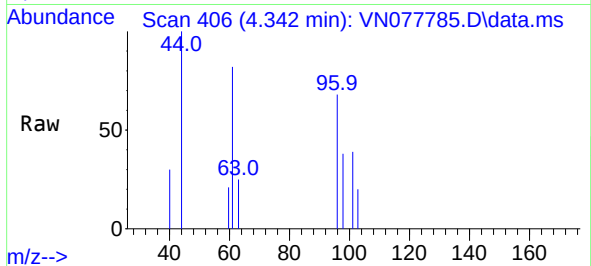




#12
1,1-Dichloroethene
Concen: 0.295 ug/l
RT: 4.342 min Scan# 407
Delta R.T. -0.005 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

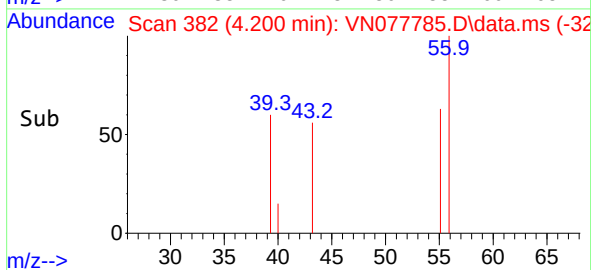
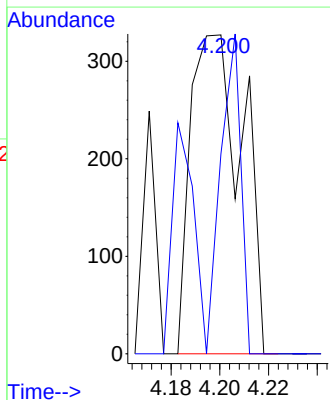
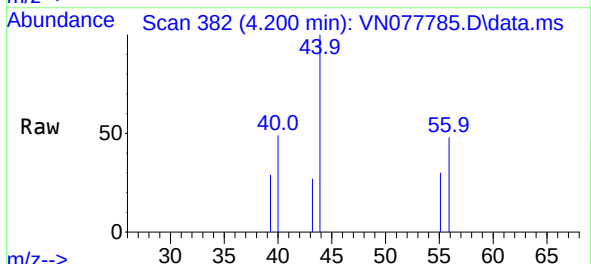
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20230518

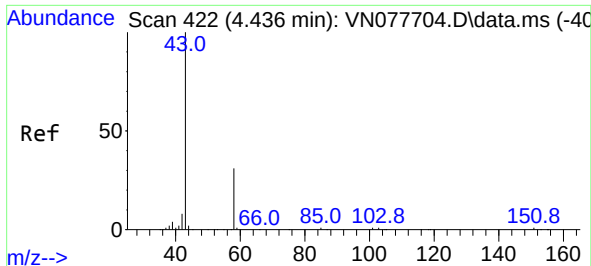
Tgt Ion: 96 Resp: 1302
Ion Ratio Lower Upper
96 100
61 121.7 112.7 169.1
98 56.5 51.2 76.8



#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

Tgt Ion: 56 Resp: 484
Ion Ratio Lower Upper
56 100
55 38.8 54.5 81.7#

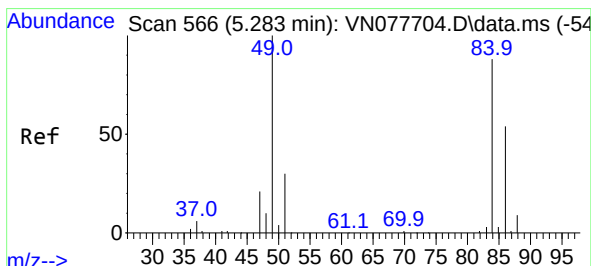
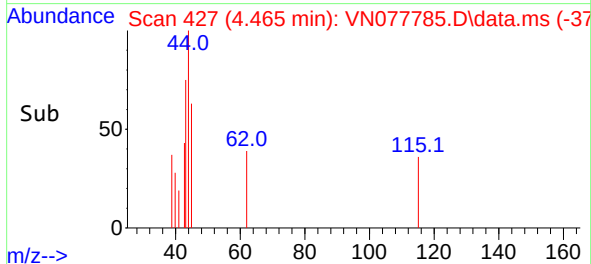
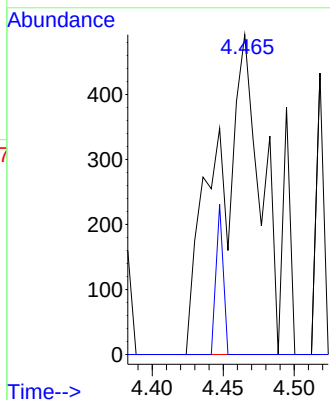
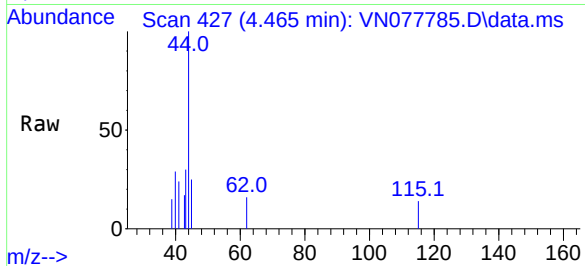




#16
Acetone
Concen: 0.528 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

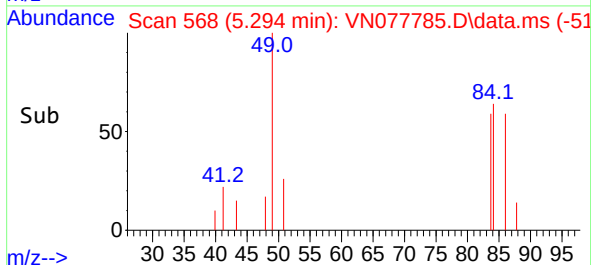
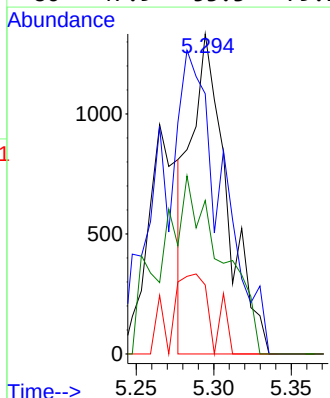
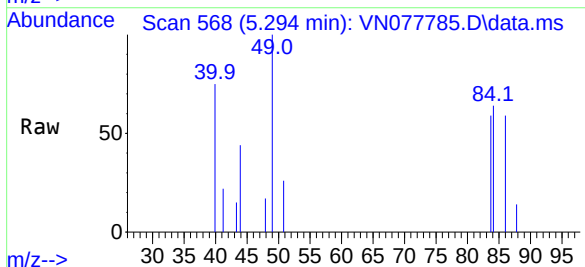
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20230518

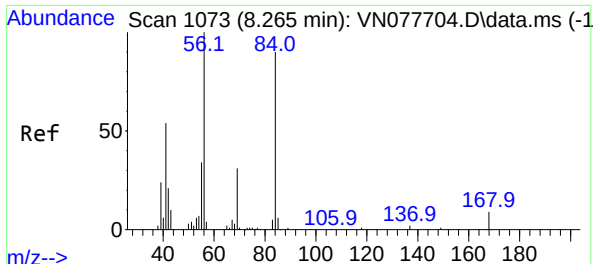
Tgt Ion: 43 Resp: 1044
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 568
Delta R.T. 0.011 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

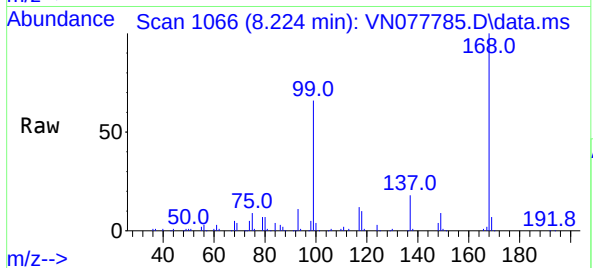
Tgt Ion: 84 Resp: 2188
Ion Ratio Lower Upper
84 100
49 81.3 79.7 119.5
51 21.5 25.2 37.8#
86 47.9 53.3 79.9#



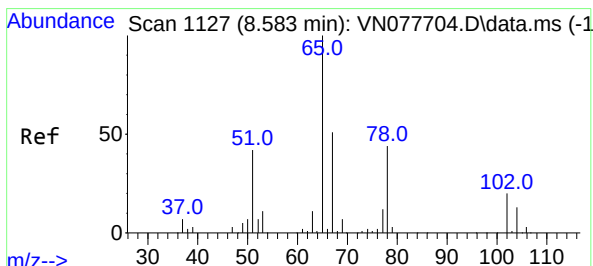
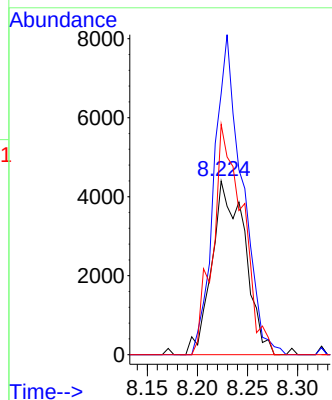
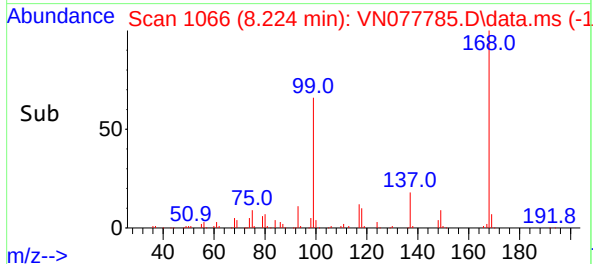


#31
Cyclohexane
Concen: 1.182 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20230518

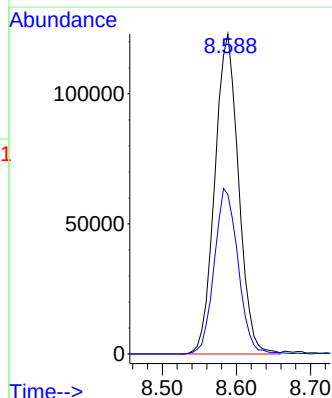
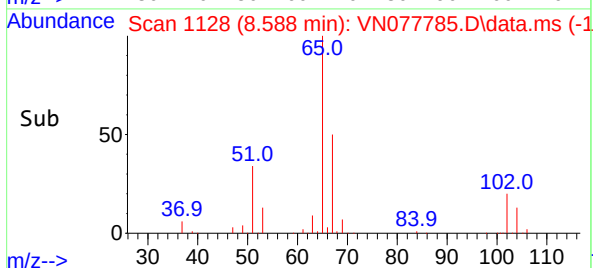
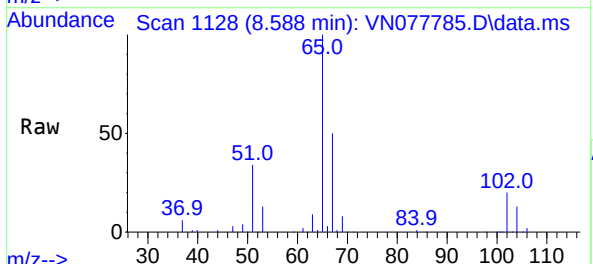


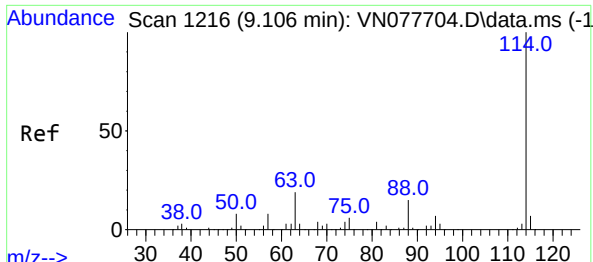
Tgt Ion: 56 Resp: 10088
Ion Ratio Lower Upper
56 100
69 150.4 26.8 40.2#
84 132.7 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 43.590 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

Tgt Ion: 65 Resp: 273730
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.6

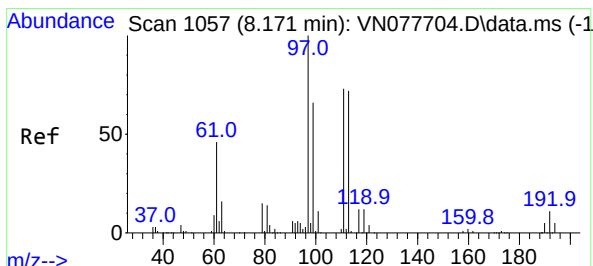
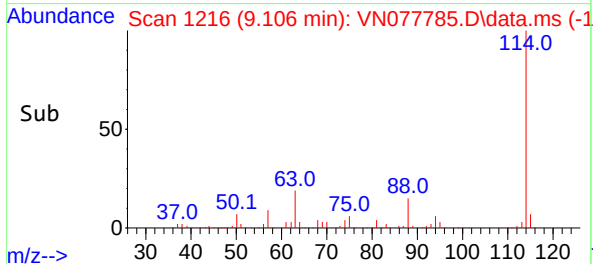
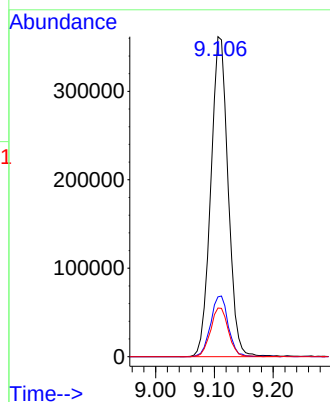
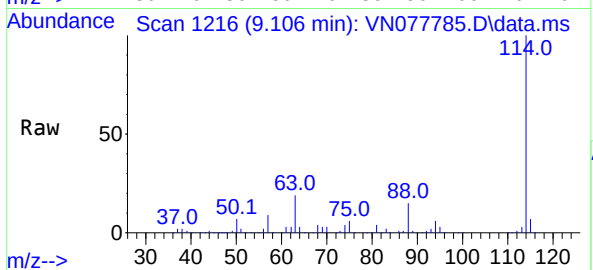




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

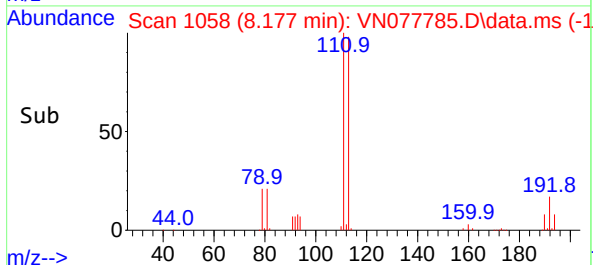
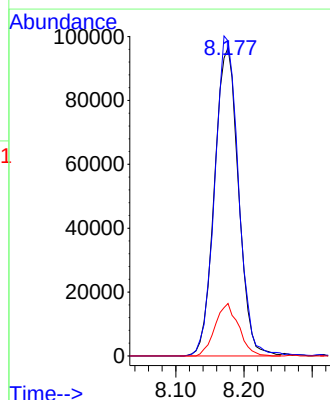
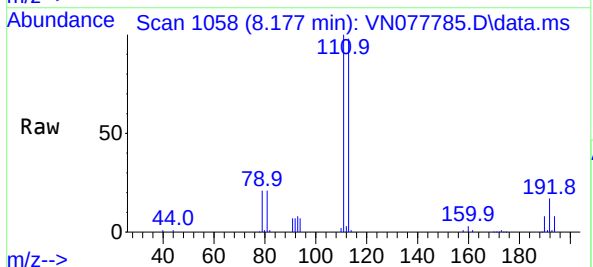
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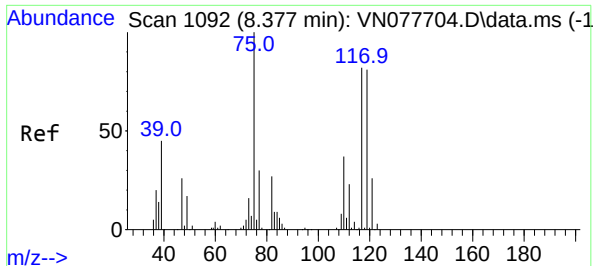
Tgt Ion:114 Resp: 738751
Ion Ratio Lower Upper
114 100
63 18.7 0.0 36.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.113 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

Tgt Ion:113 Resp: 236591
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 16.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.001 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077785.D

Acq: 22 May 2023 13:30

Instrument :

MSVOA_N

ClientSampleId :

RE105D2-20230518

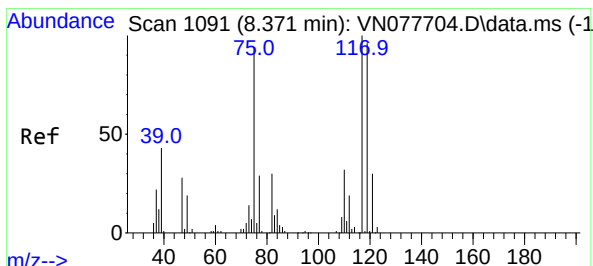
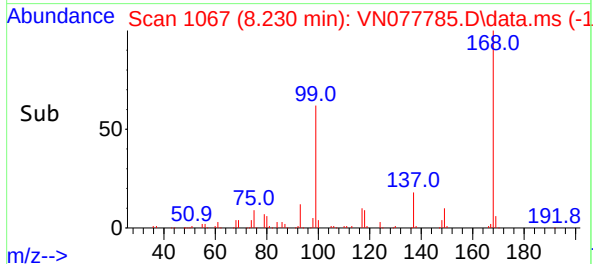
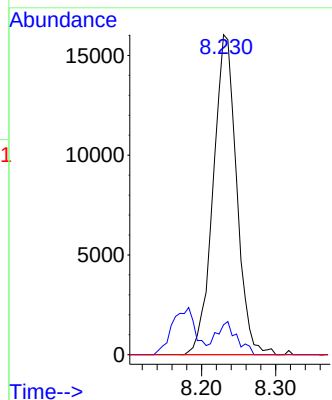
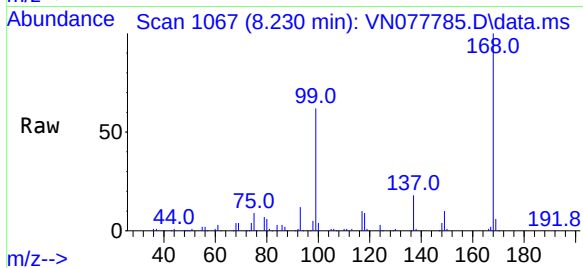
Tgt Ion: 75 Resp: 35236

Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.549 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VN077785.D

Acq: 22 May 2023 13:30

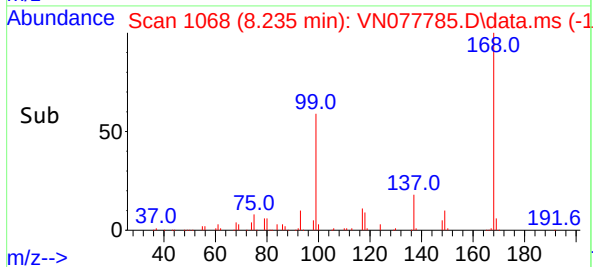
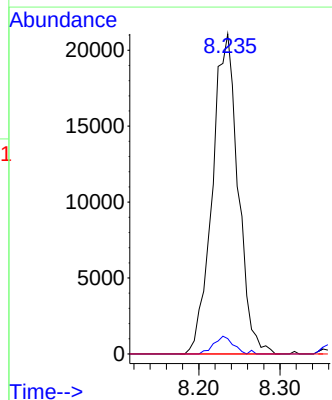
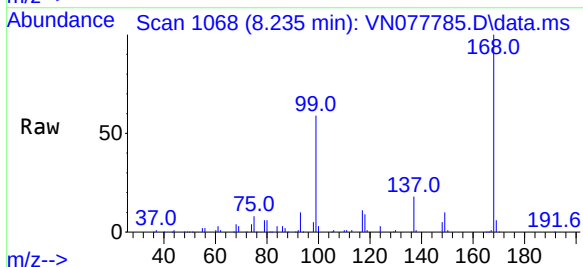
Tgt Ion: 117 Resp: 46594

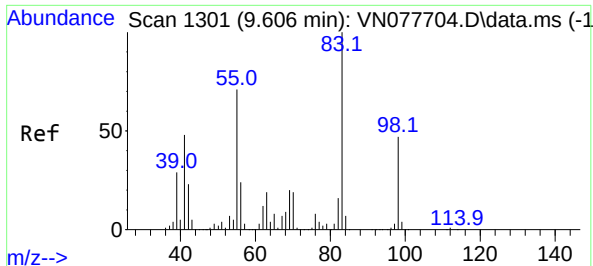
Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.639 ug/l

RT: 9.359 min Scan# 11

Delta R.T. -0.247 min

Lab File: VN077785.D

Acq: 22 May 2023 13:30

Instrument :

MSVOA_N

ClientSampleId :

RE105D2-20230518

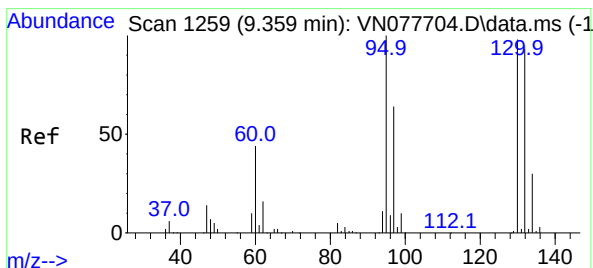
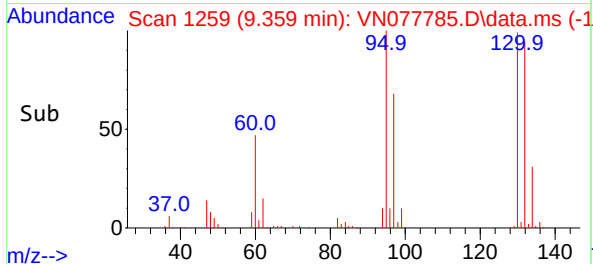
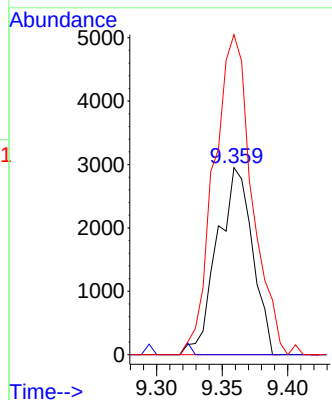
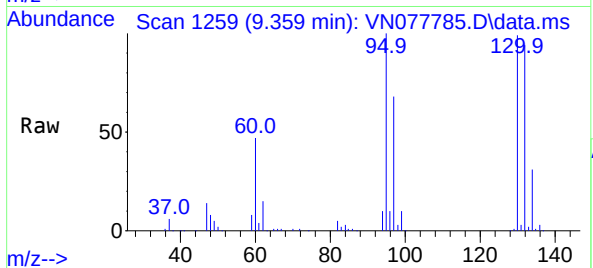
Tgt Ion: 83 Resp: 5512

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 171.1 40.6 61.0#



#44

Trichloroethene

Concen: 75.007 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN077785.D

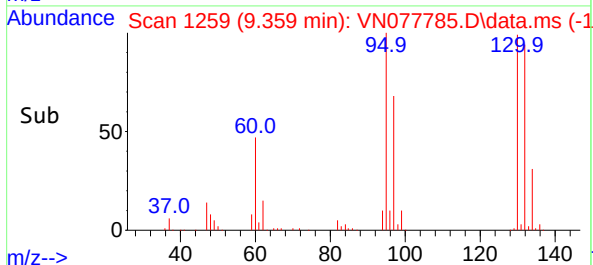
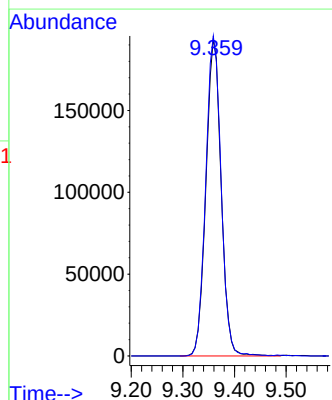
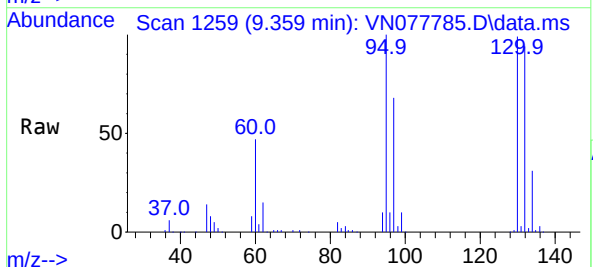
Acq: 22 May 2023 13:30

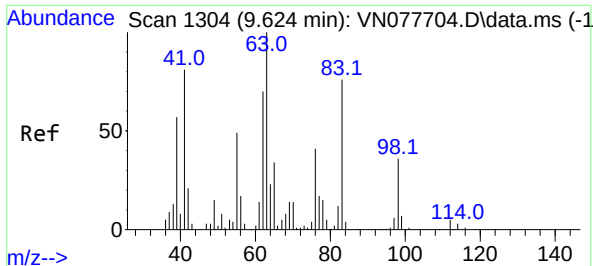
Tgt Ion:130 Resp: 394902

Ion Ratio Lower Upper

130 100

95 100.8 0.0 204.6





#45

1,2-Dichloropropane

Concen: 0.219 ug/l

RT: 9.359 min Scan# 11

Delta R.T. -0.265 min

Lab File: VN077785.D

Acq: 22 May 2023 13:30

Instrument :

MSVOA_N

ClientSampleId :

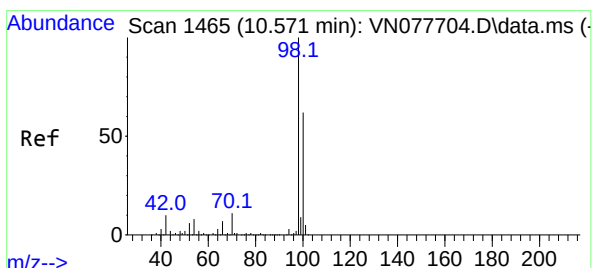
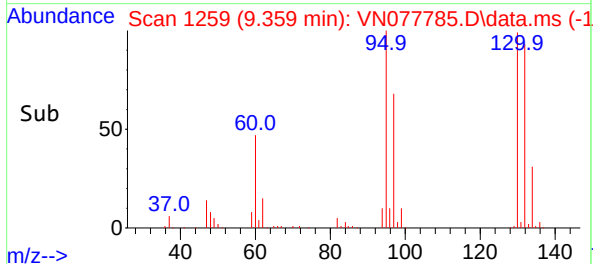
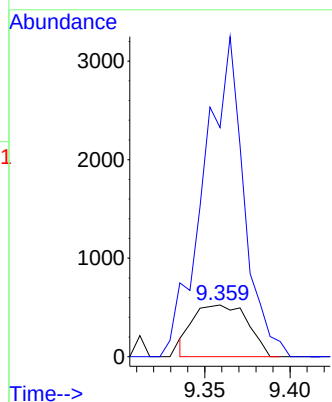
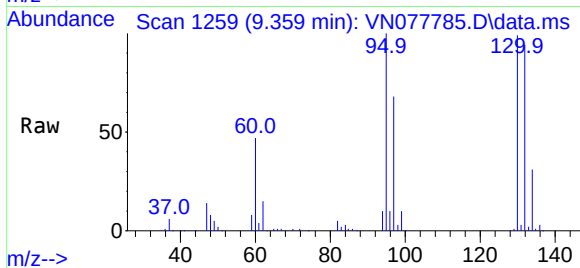
RE105D2-20230518

Tgt Ion: 63 Resp: 1161

Ion Ratio Lower Upper

63 100

65 413.3 23.9 35.9#



#50

Toluene-d8

Concen: 49.073 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN077785.D

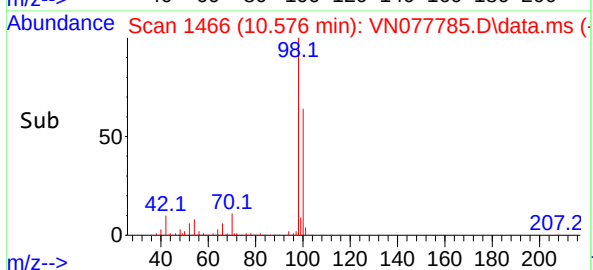
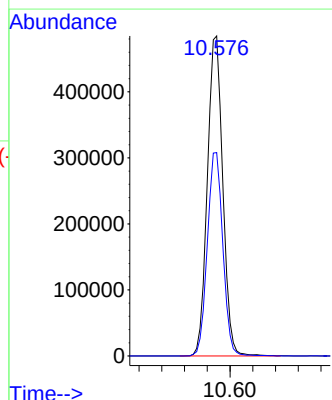
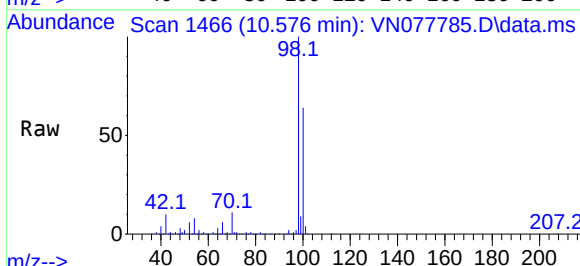
Acq: 22 May 2023 13:30

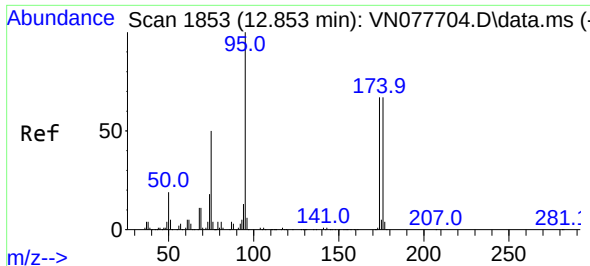
Tgt Ion: 98 Resp: 909913

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0

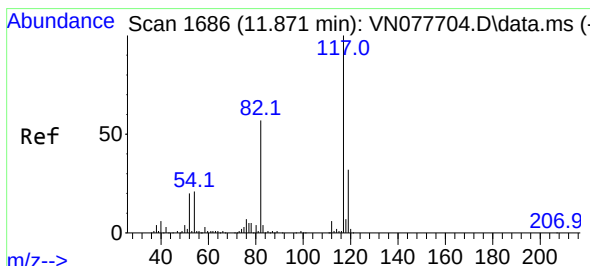
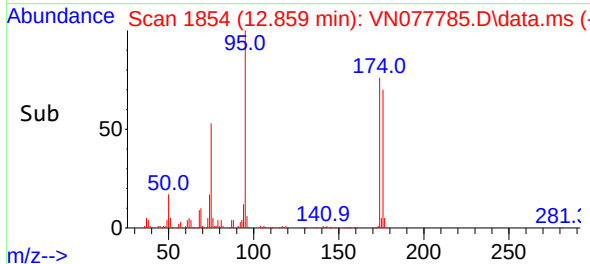
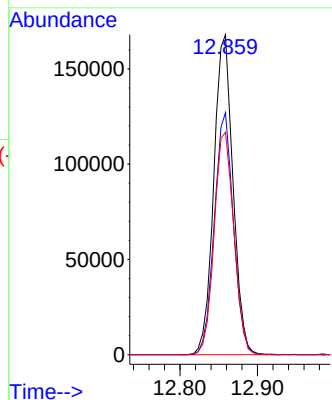
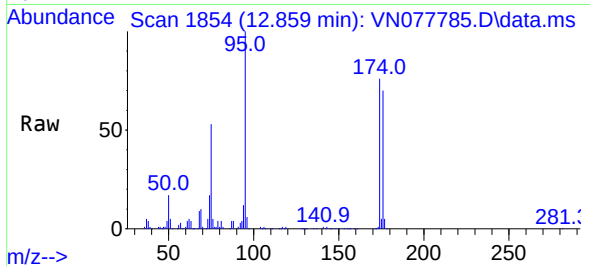




#62
4-Bromofluorobenzene
Concen: 44.059 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

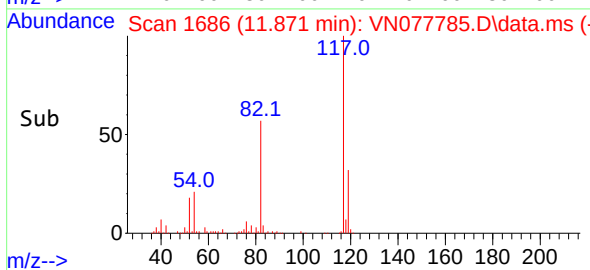
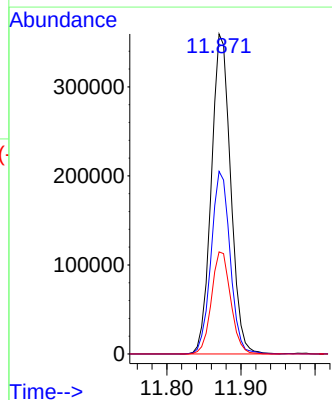
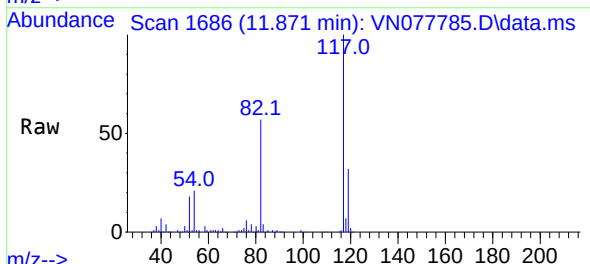
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20230518

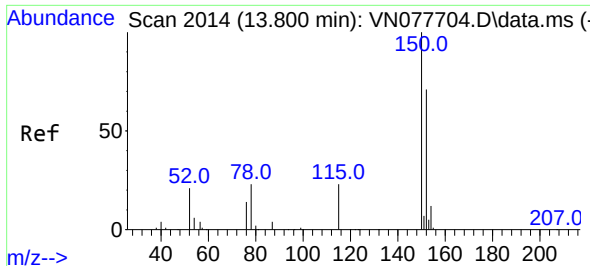
Tgt Ion: 95 Resp: 288529
Ion Ratio Lower Upper
95 100
174 75.6 0.0 143.8
176 71.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

Tgt Ion: 117 Resp: 649901
Ion Ratio Lower Upper
117 100
82 57.1 44.0 66.0
119 31.9 25.6 38.4

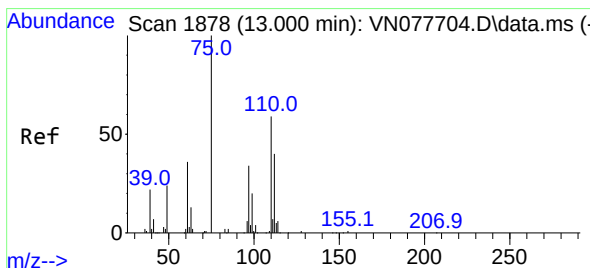
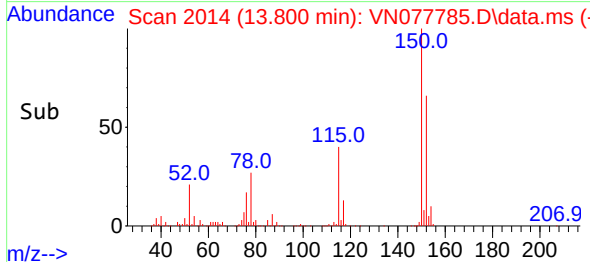
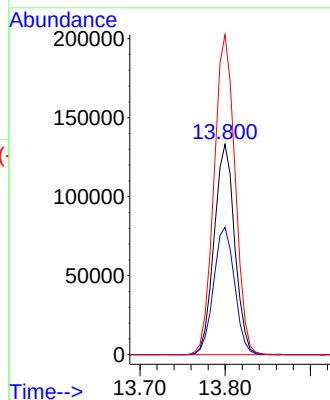
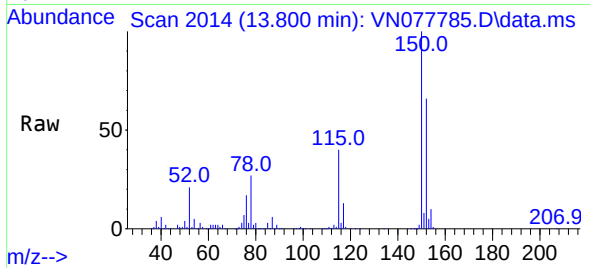




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

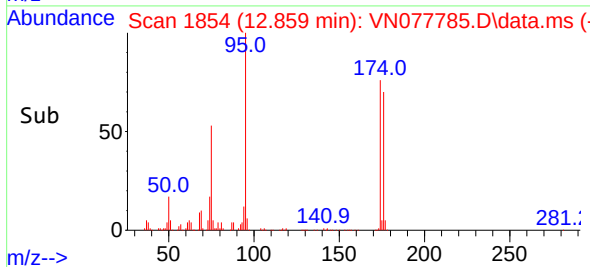
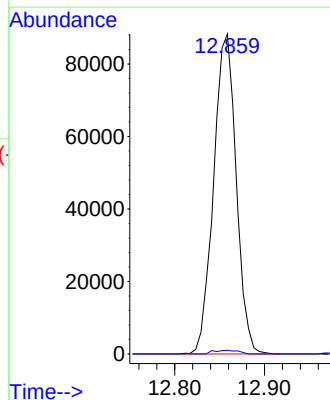
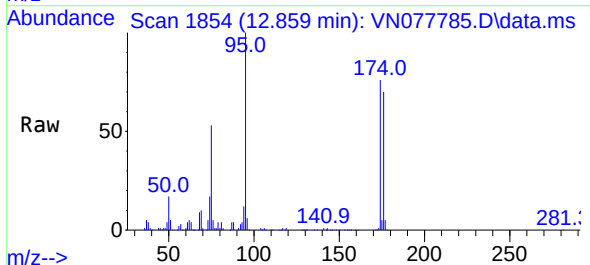
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20230518

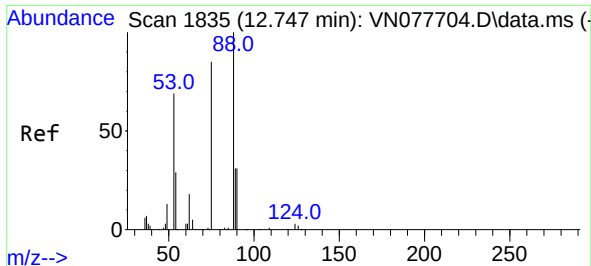
Tgt Ion:152 Resp: 223037
Ion Ratio Lower Upper
152 100
115 61.9 32.3 96.8
150 155.6 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 27.588 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

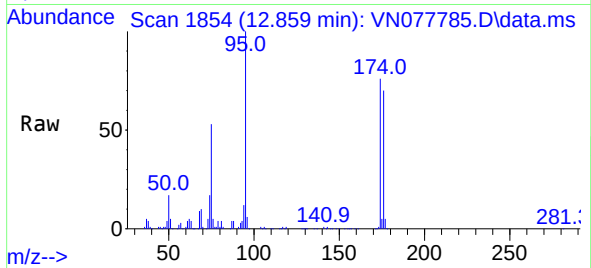
Tgt Ion: 75 Resp: 154098
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 88.186 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN077785.D
Acq: 22 May 2023 13:30

Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20230518



Tgt Ion: 75 Resp: 154098
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

