

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077738.D
 Acq On : 18 May 2023 15:55
 Operator : JC\MD
 Sample : 02834-09 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20230516

Quant Time: May 29 08:51:47 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)

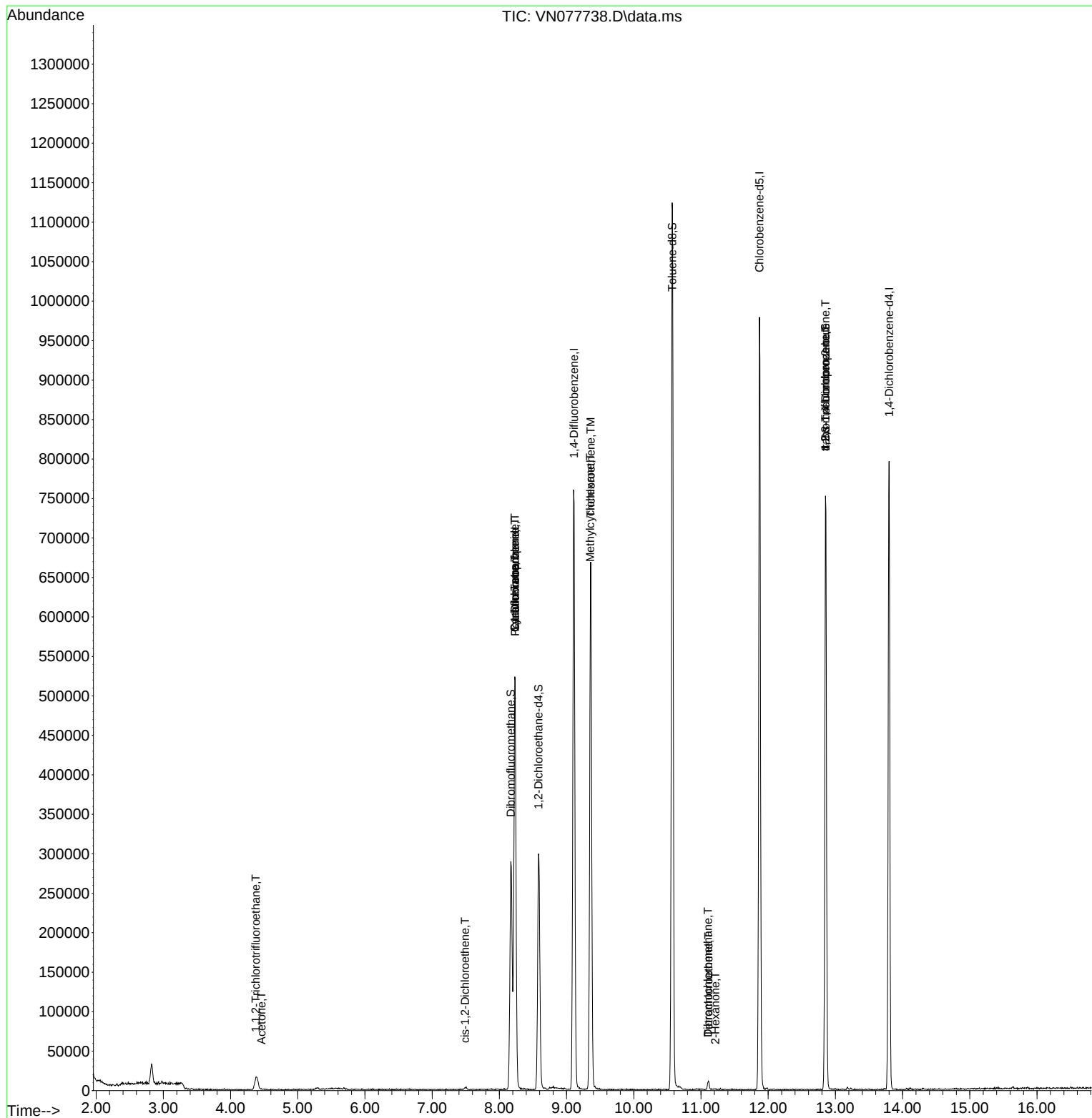
Internal Standards						
1) Pentafluorobenzene	8.235	168	365250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	669939	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	575688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	209619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	249172	45.593	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.180%		
35) Dibromofluoromethane	8.171	113	208737	47.781	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.560%		
50) Toluene-d8	10.570	98	829960	49.358	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.720%		
62) 4-Bromofluorobenzene	12.853	95	273729	46.092	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.180%		
Target Compounds						
3) Chloromethane	2.371	50	1185	Below Cal		89
9) 1,1,2-Trichlorotrifluo...	4.377	101	5641	1.396 ug/l #		63
13) Acrolein	4.194	56	65	Below Cal #		80
16) Acetone	4.459	43	831	0.483 ug/l		89
20) Methylene Chloride	5.300	84	1004	Below Cal #		58
27) cis-1,2-Dichloroethene	7.488	96	2044	0.395 ug/l		72
31) Cyclohexane	8.229	56	9185	1.237 ug/l #		47
36) 1,1-Dichloropropene	8.229	75	31362	4.908 ug/l #		49
38) Carbon Tetrachloride	8.229	117	40868	6.334 ug/l #		14
39) Methylcyclohexane	9.353	83	3028	0.387 ug/l #		1
44) Trichloroethene	9.359	130	238280	49.907 ug/l		99
59) 2-Hexanone	11.212	43	997	0.244 ug/l #		26
60) Dibromochloromethane	11.106	129	2274	0.473 ug/l #		11
64) Tetrachloroethene	11.112	164	2422	0.602 ug/l #		85
76) 1,2,3-Trichloropropane	12.853	75	145985	27.809 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	145985	88.891 ug/l #		15

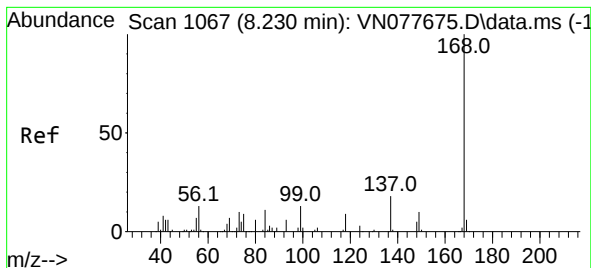
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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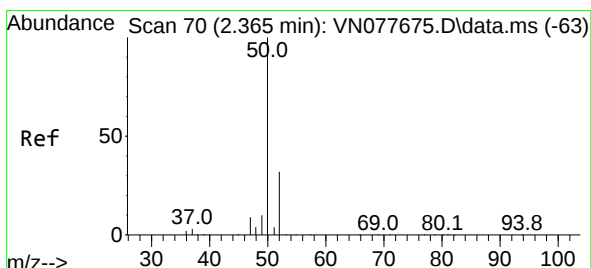
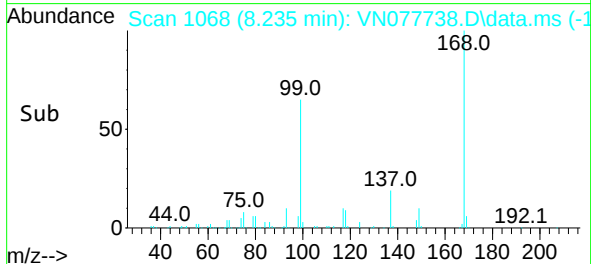
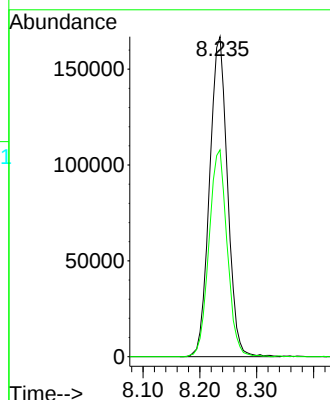
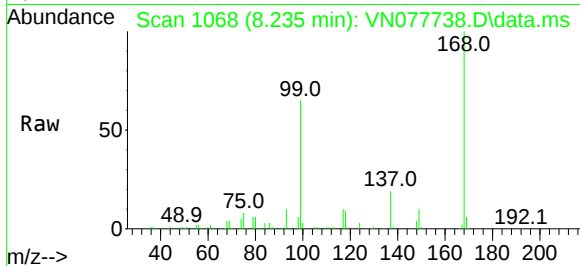




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

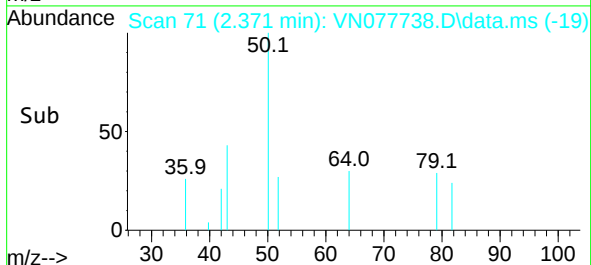
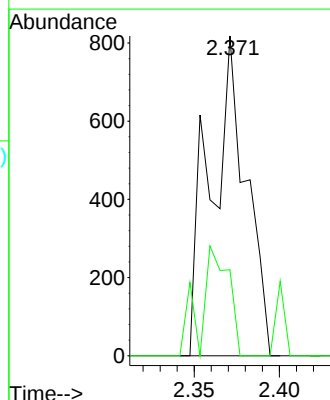
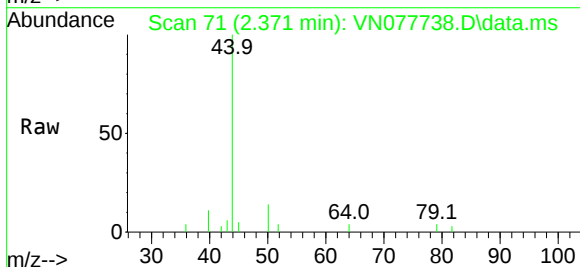
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230516

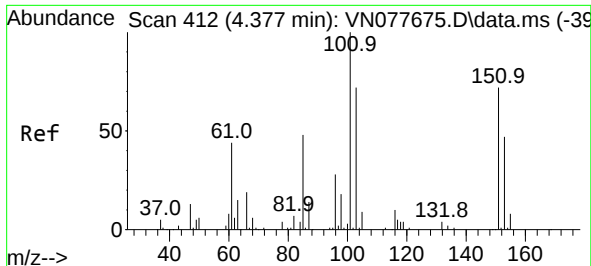
Tgt Ion:168 Resp: 365250
Ion Ratio Lower Upper
168 100
99 64.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

Tgt Ion: 50 Resp: 1185
Ion Ratio Lower Upper
50 100
52 26.9 26.5 39.7

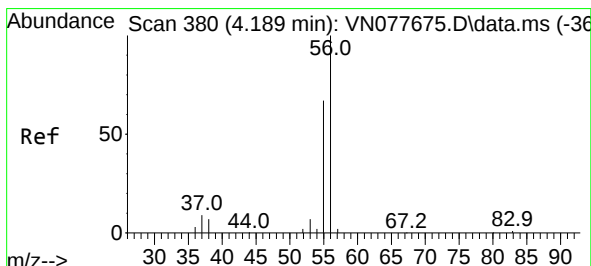
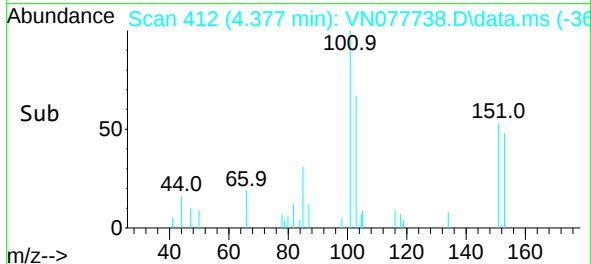
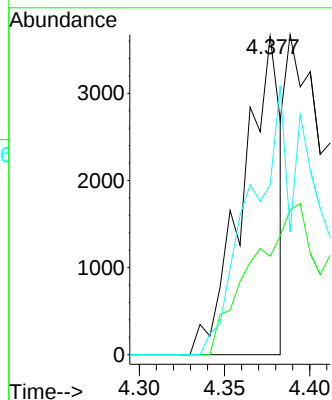
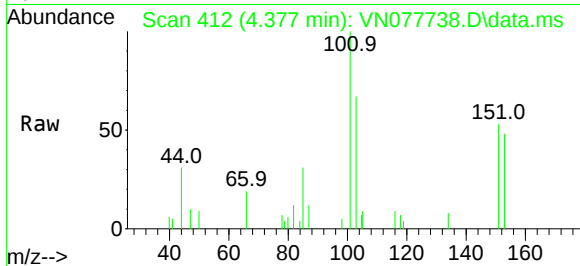




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.396 ug/l
RT: 4.377 min Scan# 412
Delta R.T. -0.000 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

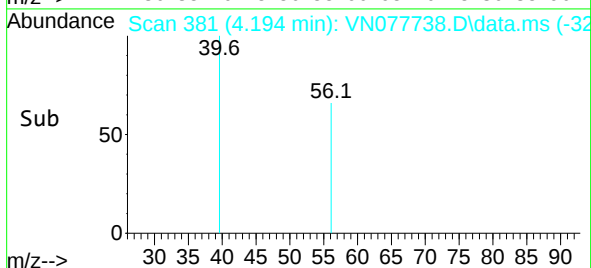
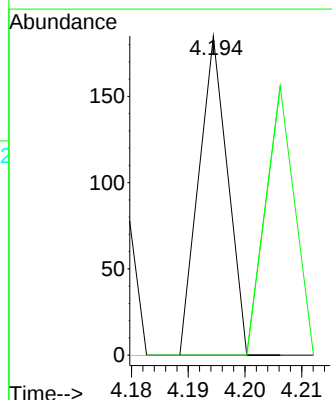
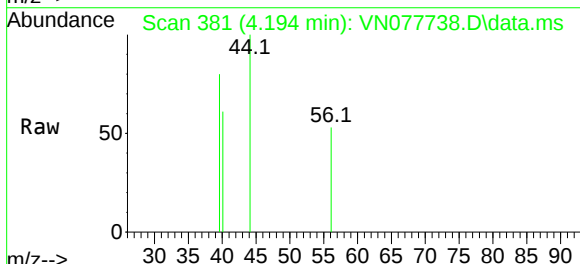
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230516

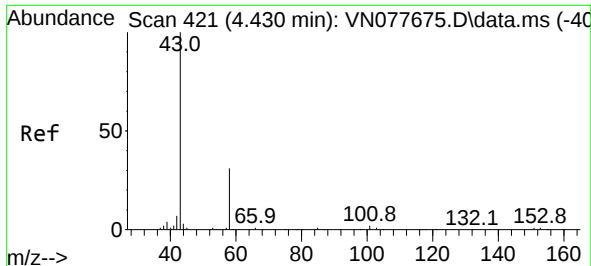
Tgt Ion:101 Resp: 5641
Ion Ratio Lower Upper
101 100
85 95.1 36.6 55.0#
151 83.4 57.6 86.4



#13
Acrolein
Concen: Below Cal
RT: 4.194 min Scan# 381
Delta R.T. 0.005 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 84.6 54.5 81.7#

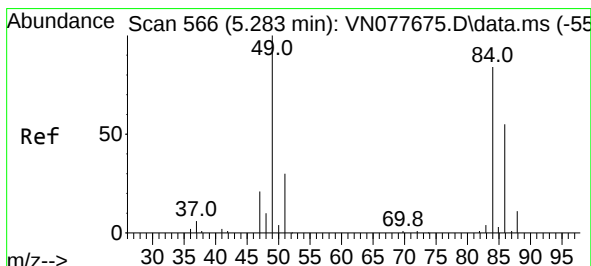
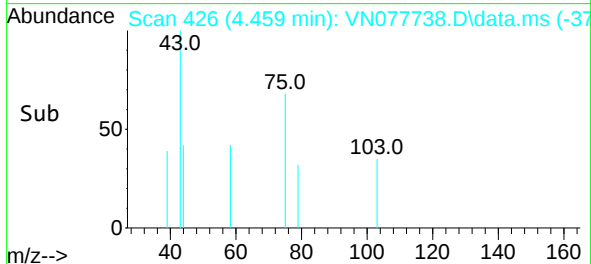
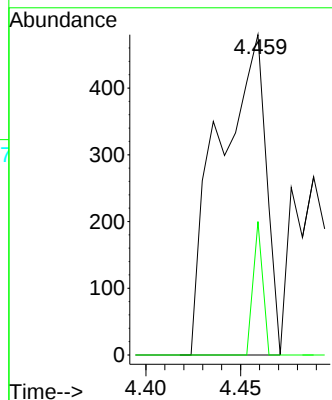
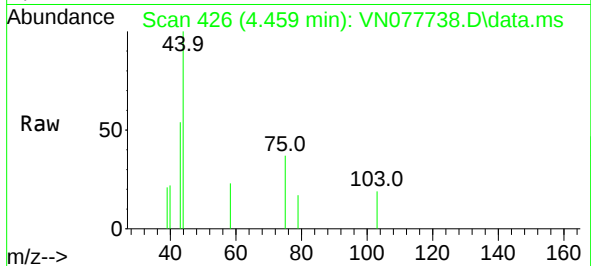




#16
Acetone
Concen: 0.483 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

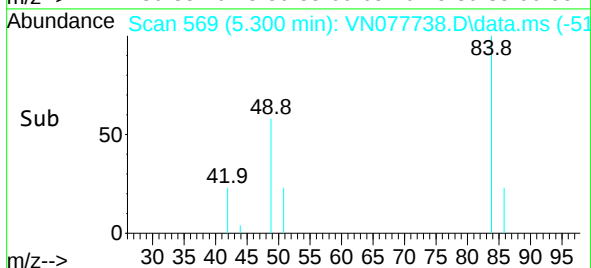
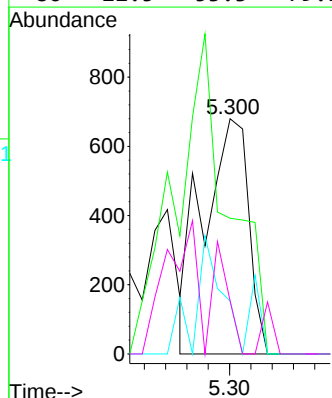
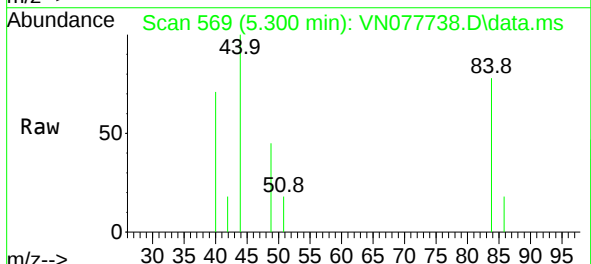
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230516

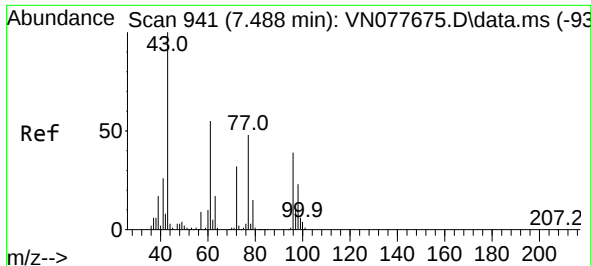
Tgt Ion: 43 Resp: 831
Ion Ratio Lower Upper
43 100
58 41.7 28.0 42.0



#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 569
Delta R.T. 0.017 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

Tgt Ion: 84 Resp: 1004
Ion Ratio Lower Upper
84 100
49 57.6 79.7 119.5#
51 22.5 25.2 37.8#
86 22.5 53.3 79.9#





#27

cis-1,2-Dichloroethene

Concen: 0.395 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN077738.D

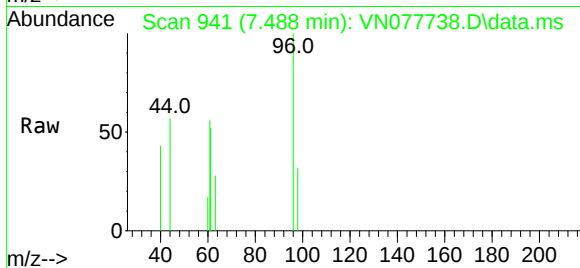
Acq: 18 May 2023 15:55

Instrument :

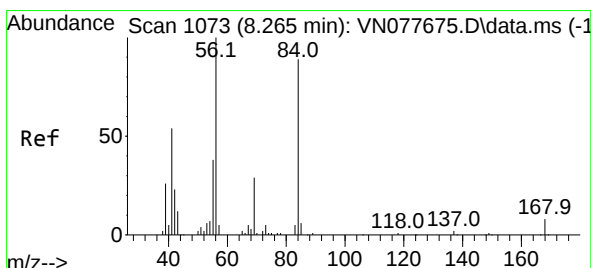
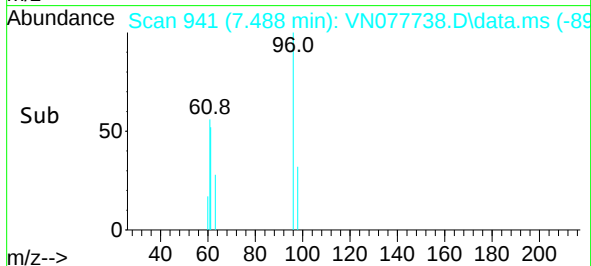
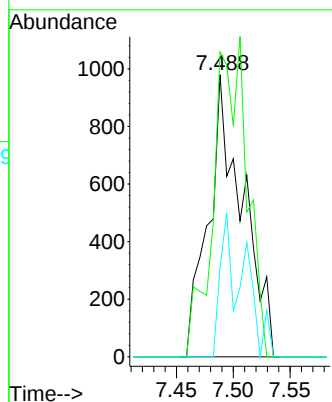
MSVOA_N

ClientSampleId :

RE120D2-20230516



Tgt Ion:	96	Resp:	2044
Ion	Ratio	Lower	Upper
96	100		
61	110.6	0.0	255.2
98	20.9	0.0	128.8



#31

Cyclohexane

Concen: 1.237 ug/l

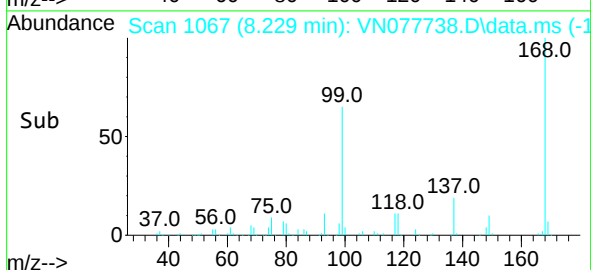
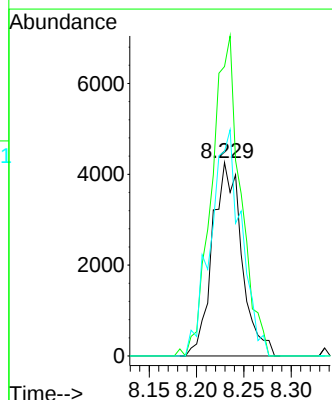
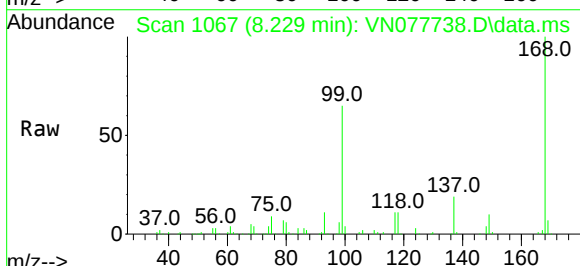
RT: 8.229 min Scan# 1067

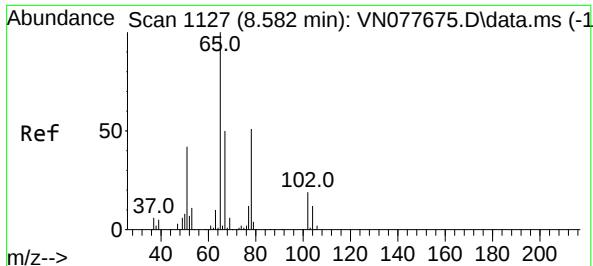
Delta R.T. -0.036 min

Lab File: VN077738.D

Acq: 18 May 2023 15:55

Tgt Ion:	56	Resp:	9185
Ion	Ratio	Lower	Upper
56	100		
69	149.6	26.8	40.2#
84	105.7	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 45.593 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN077738.D

Acq: 18 May 2023 15:55

Instrument :

MSVOA_N

ClientSampleId :

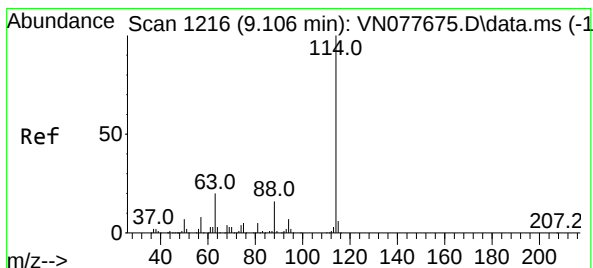
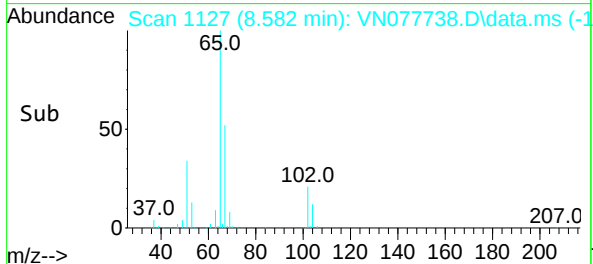
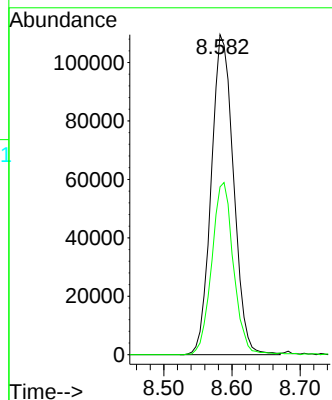
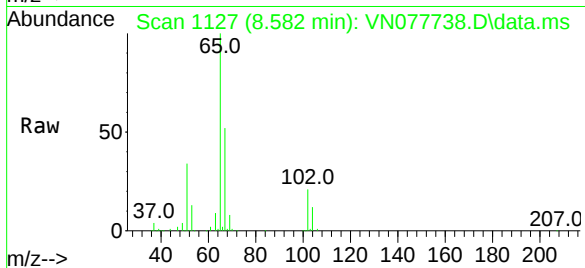
RE120D2-20230516

Tgt Ion: 65 Resp: 249172

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN077738.D

Acq: 18 May 2023 15:55

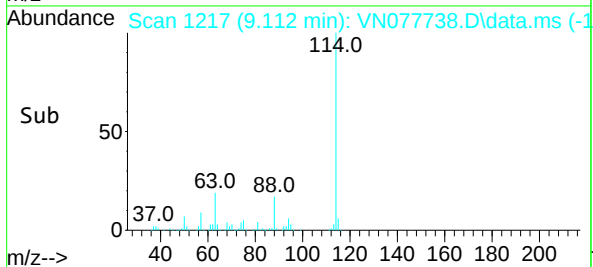
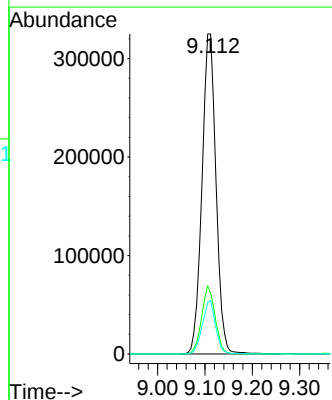
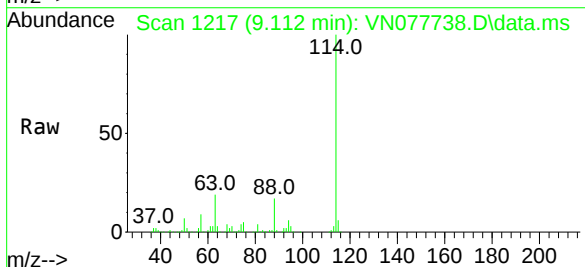
Tgt Ion: 114 Resp: 669939

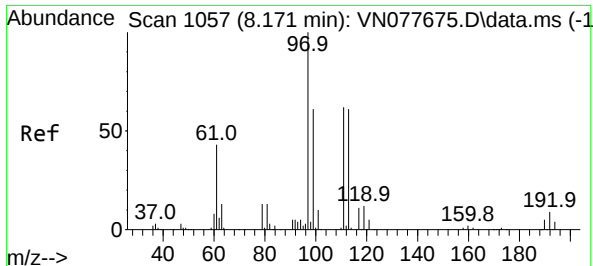
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.4

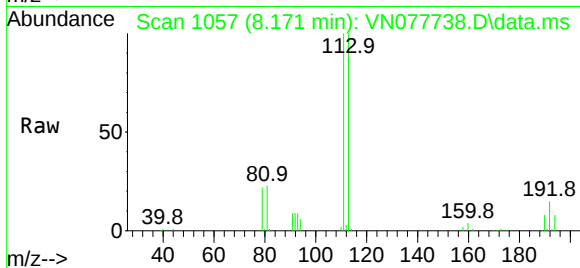
88 16.7 0.0 30.6



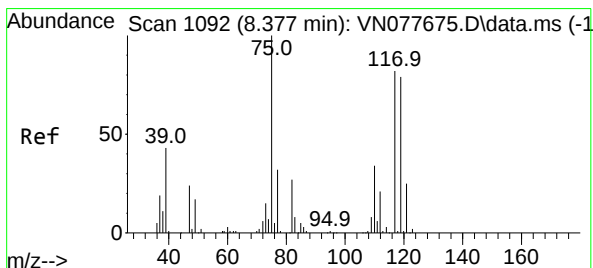
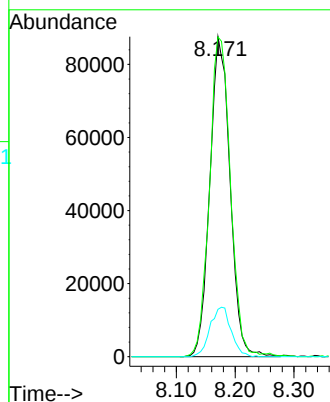
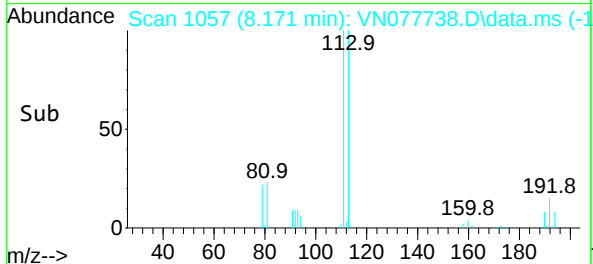


#35
Dibromofluoromethane
Concen: 47.781 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

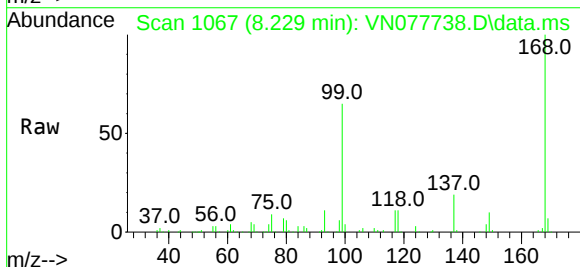
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230516



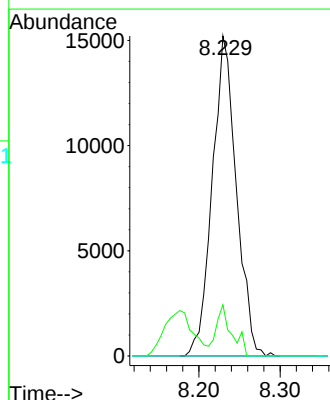
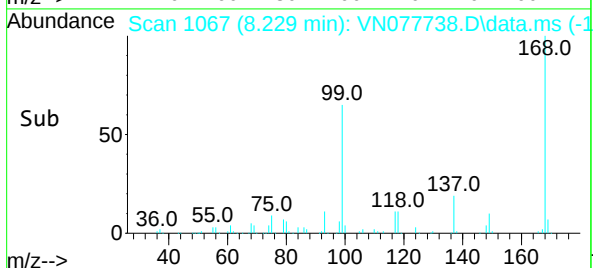
Tgt Ion:113 Resp: 208737
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 16.2 12.7 19.1

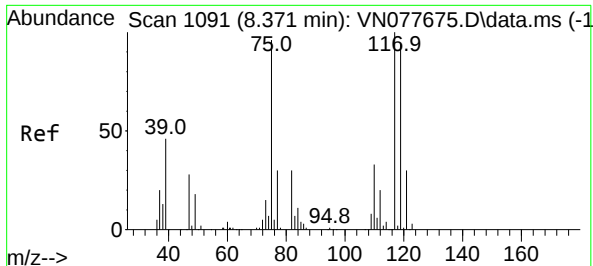


#36
1,1-Dichloropropene
Concen: 4.908 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55



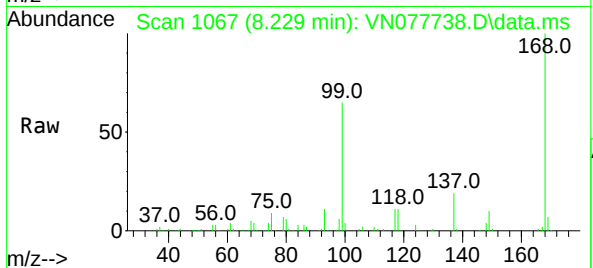
Tgt Ion: 75 Resp: 31362
Ion Ratio Lower Upper
75 100
110 10.1 19.1 57.3#
77 0.0 25.0 37.4#



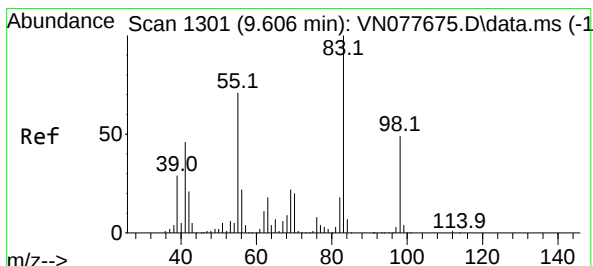
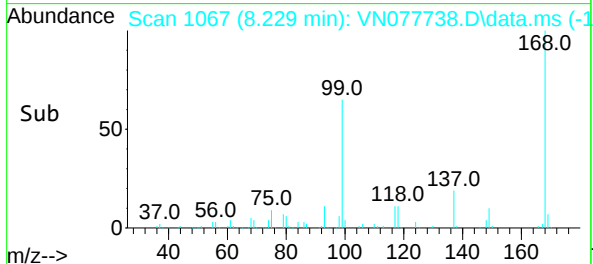
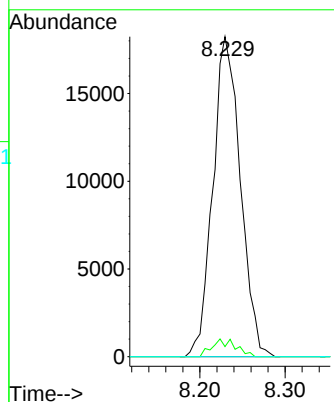


#38
Carbon Tetrachloride
Concen: 6.334 ug/l
RT: 8.229 min Scan# 1091
Delta R.T. -0.142 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230516

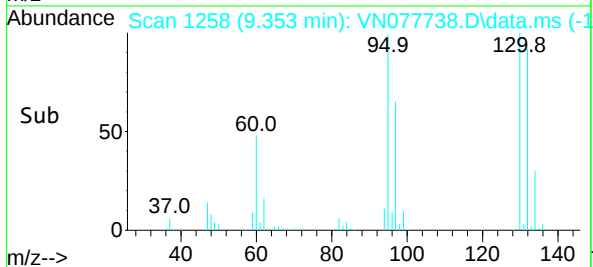
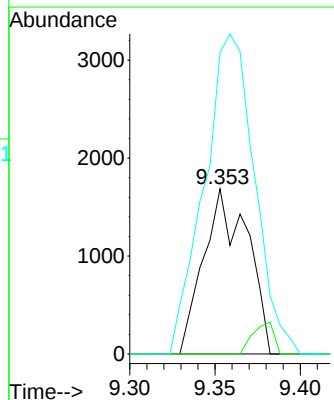
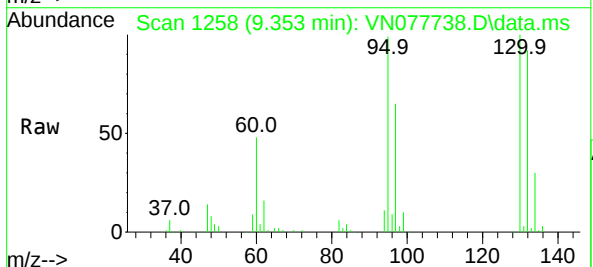


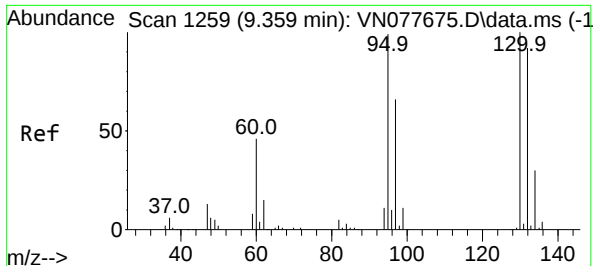
Tgt Ion:117 Resp: 40868
Ion Ratio Lower Upper
117 100
119 3.1 77.3 115.9#
121 0.0 23.3 34.9#



#39
Methylcyclohexane
Concen: 0.387 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.253 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

Tgt Ion: 83 Resp: 3028
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 165.4 40.6 61.0#

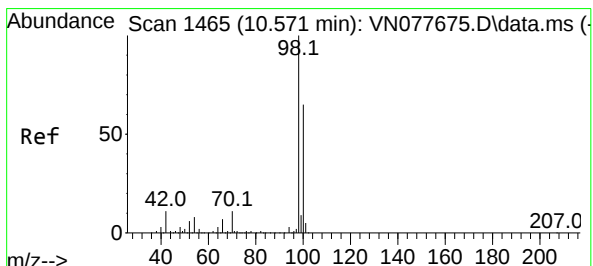
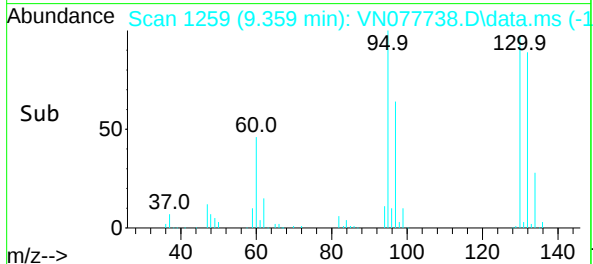
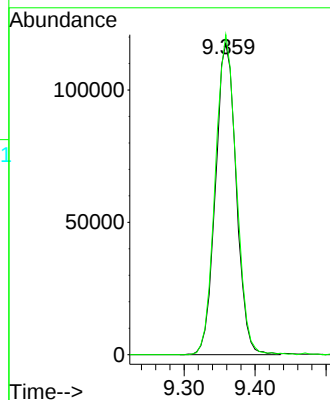
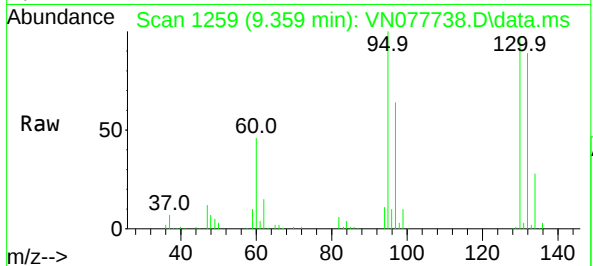




#44
Trichloroethene
Concen: 49.907 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

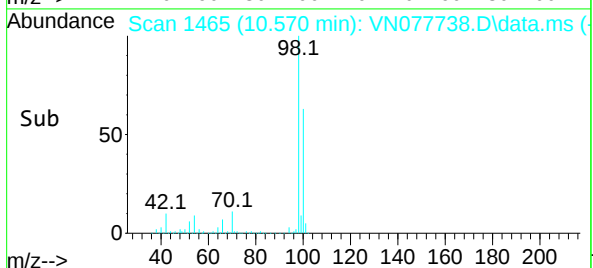
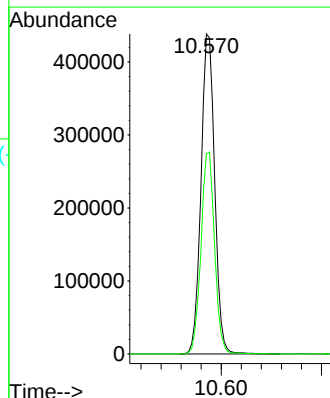
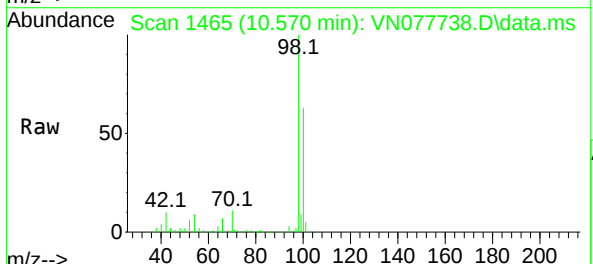
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230516

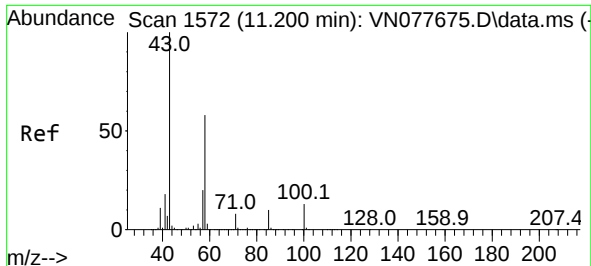
Tgt Ion:130 Resp: 238280
Ion Ratio Lower Upper
130 100
95 102.8 0.0 204.6



#50
Toluene-d8
Concen: 49.358 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

Tgt Ion: 98 Resp: 829960
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0

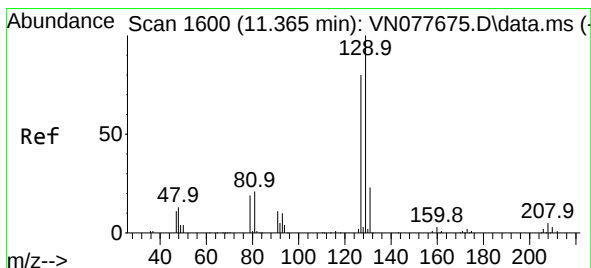
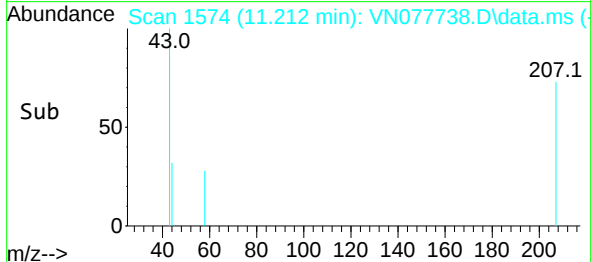
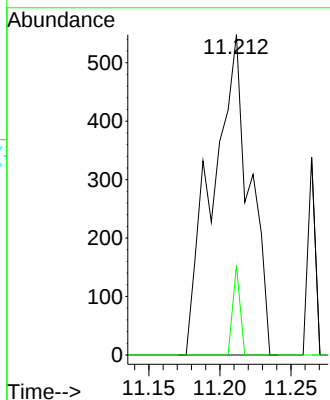
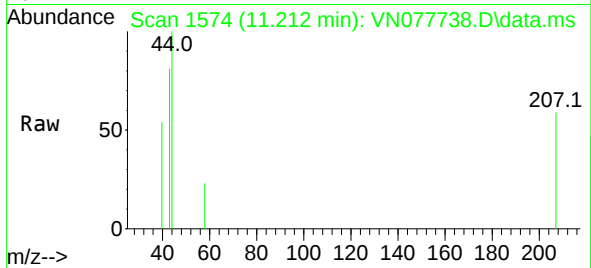




#59
2-Hexanone
Concen: 0.244 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

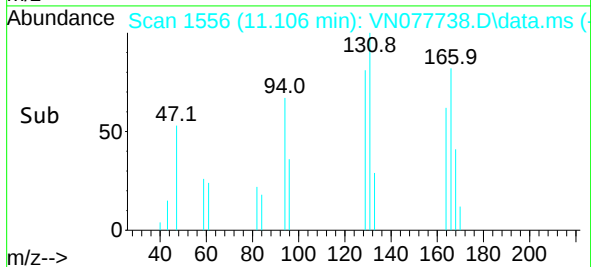
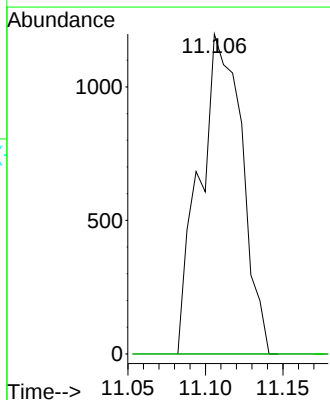
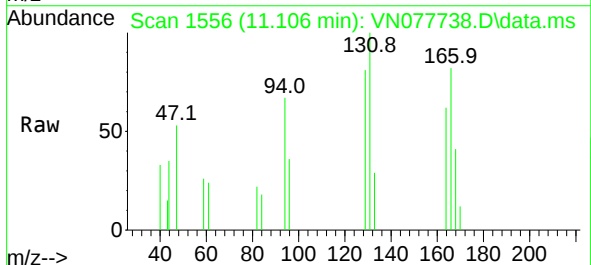
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230516

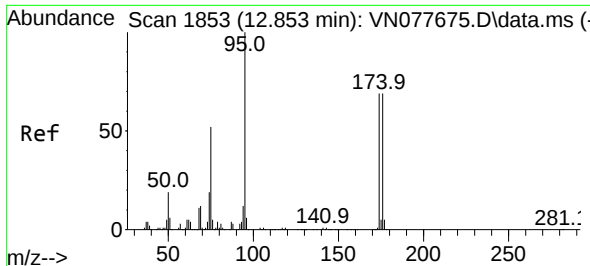
Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
58 5.4 31.7 95.1#



#60
Dibromochloromethane
Concen: 0.473 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.259 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

Tgt Ion: 129 Resp: 2274
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

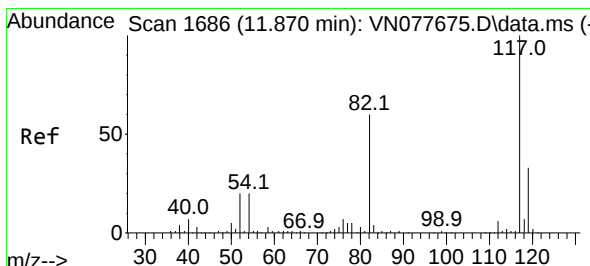
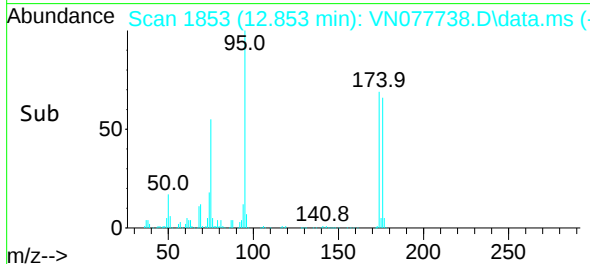
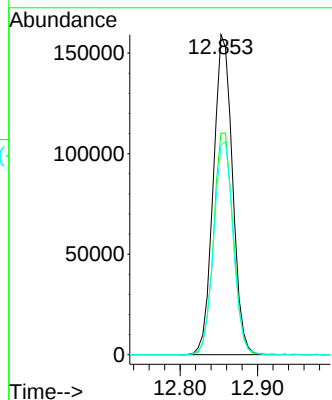
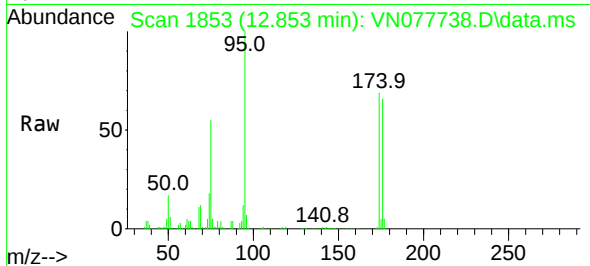




#62
4-Bromofluorobenzene
Concen: 46.092 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

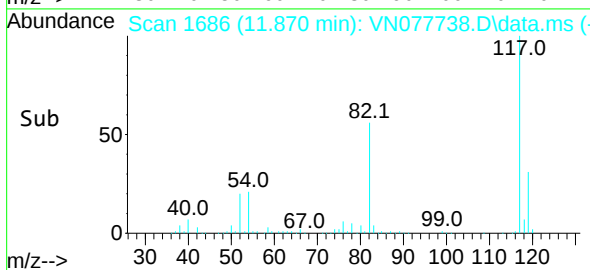
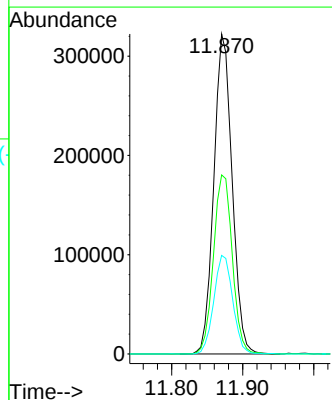
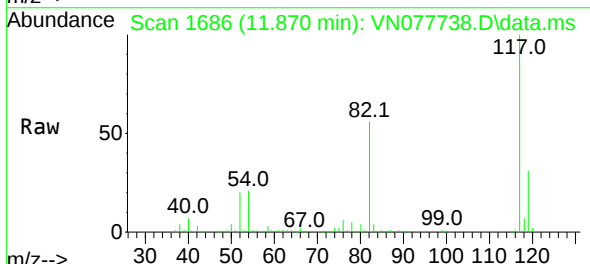
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230516

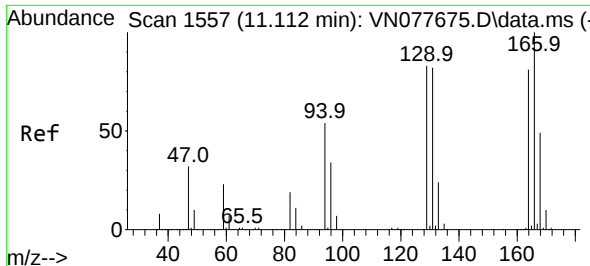
Tgt Ion: 95 Resp: 273729
Ion Ratio Lower Upper
95 100
174 70.7 0.0 143.8
176 67.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

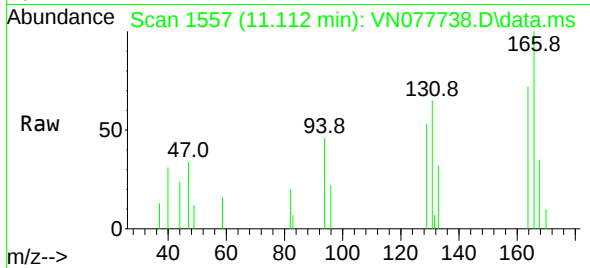
Tgt Ion: 117 Resp: 575688
Ion Ratio Lower Upper
117 100
82 56.0 44.0 66.0
119 30.8 25.6 38.4



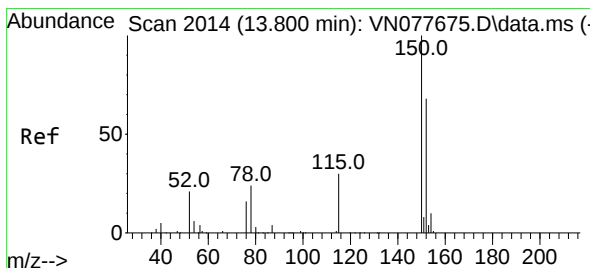
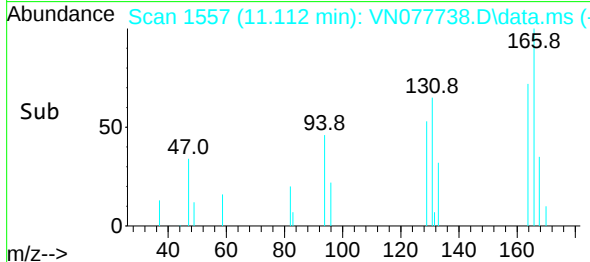
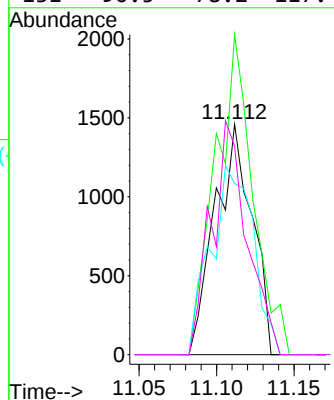


#64
Tetrachloroethene
Concen: 0.602 ug/l
RT: 11.112 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20230516

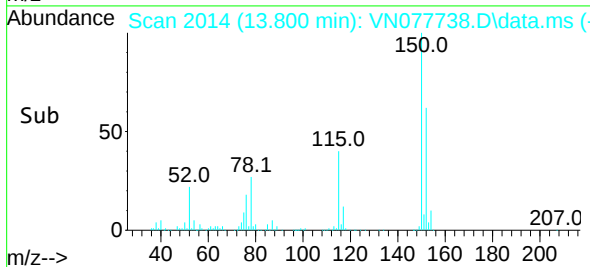
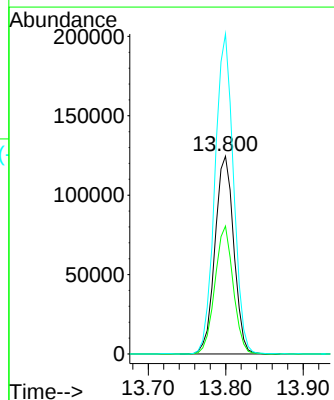
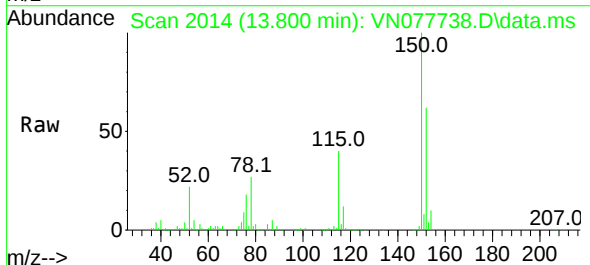


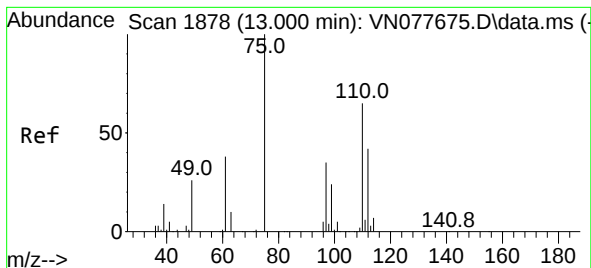
Tgt Ion:164 Resp: 2422
Ion Ratio Lower Upper
164 100
166 138.9 101.4 152.0
129 74.2 82.4 123.6#
131 90.5 78.2 117.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077738.D
Acq: 18 May 2023 15:55

Tgt Ion:152 Resp: 209619
Ion Ratio Lower Upper
152 100
115 63.0 32.3 96.8
150 159.7 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 27.809 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN077738.D

Acq: 18 May 2023 15:55

Instrument :

MSVOA_N

ClientSampleId :

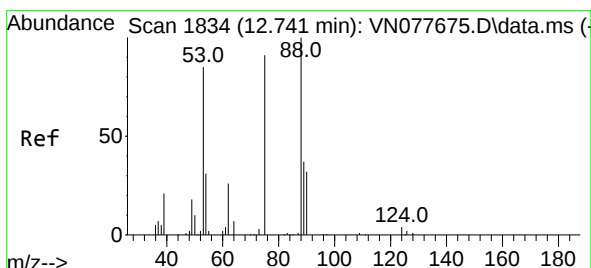
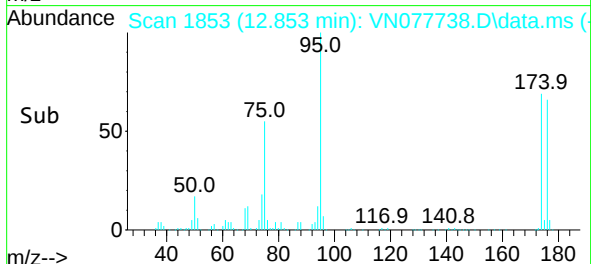
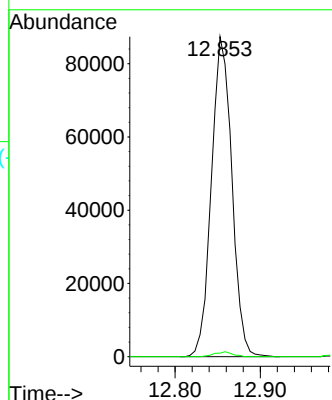
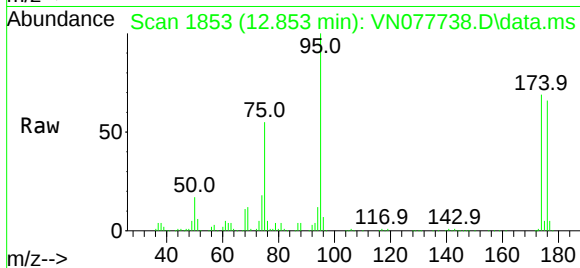
RE120D2-20230516

Tgt Ion: 75 Resp: 145985

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.891 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN077738.D

Acq: 18 May 2023 15:55

Tgt Ion: 75 Resp: 145985

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

