

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077744.D
 Acq On : 18 May 2023 18:17
 Operator : JC\MD
 Sample : 02834-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D3-20230516

Quant Time: May 29 08:53:53 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)

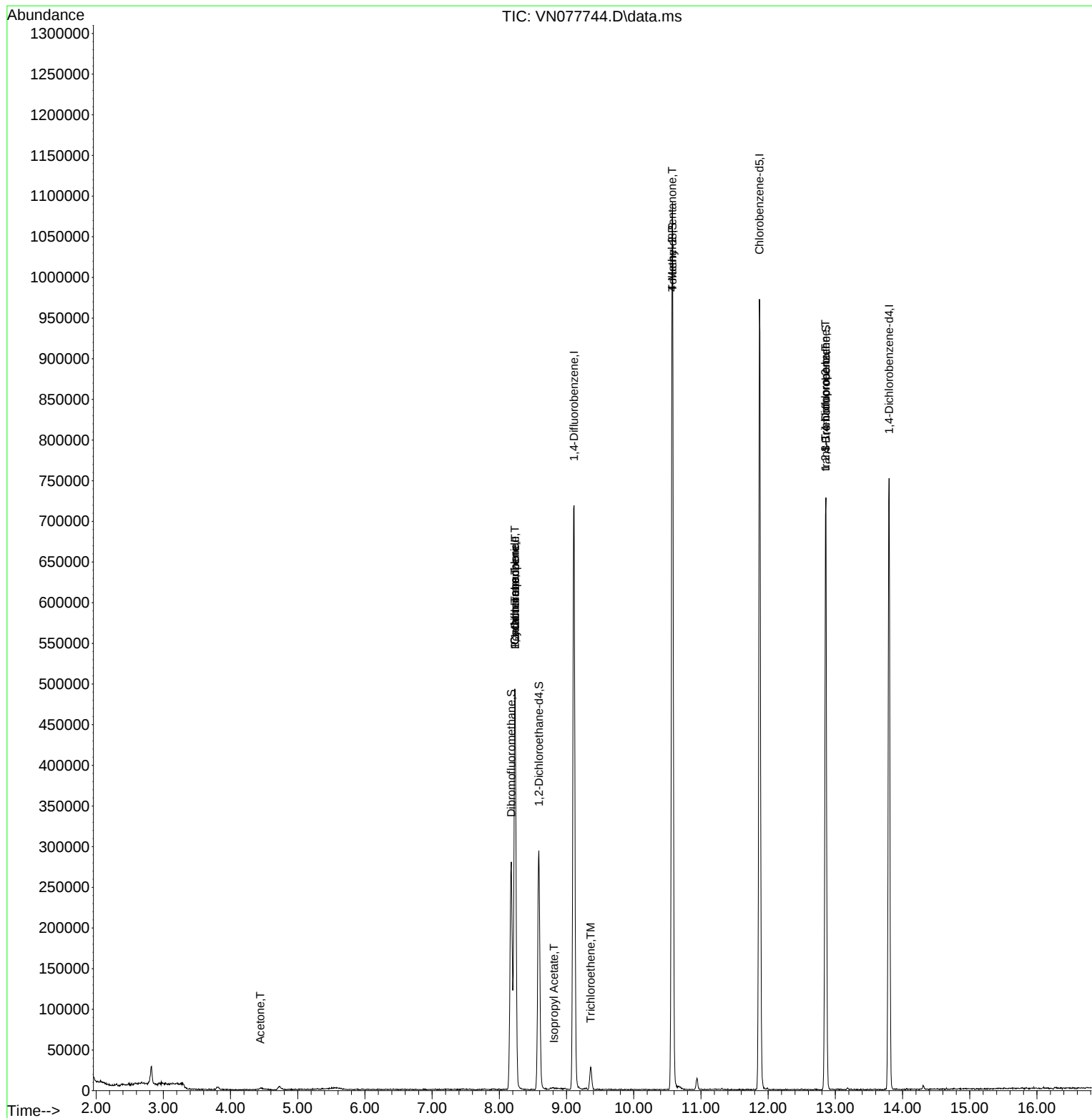
Internal Standards						
1) Pentafluorobenzene	8.236	168	348623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	646554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	577257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	202124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	245776	47.117	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.240%		
35) Dibromofluoromethane	8.177	113	202009	47.914	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.820%		
50) Toluene-d8	10.577	98	797970	49.172	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.340%		
62) 4-Bromofluorobenzene	12.859	95	260043	45.371	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.740%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1635	Below Cal	#	47
13) Acrolein	4.218	56	201	Below Cal	#	51
16) Acetone	4.442	43	1534	0.935	ug/l #	66
20) Methylene Chloride	5.295	84	800	Below Cal	#	57
31) Cyclohexane	8.230	56	8347	1.177	ug/l #	11
36) 1,1-Dichloropropene	8.236	75	31929	5.178	ug/l #	46
38) Carbon Tetrachloride	8.230	117	40095	6.439	ug/l #	15
43) Isopropyl Acetate	8.812	43	2890	0.322	ug/l #	49
44) Trichloroethene	9.359	130	10155	2.204	ug/l	93
51) 4-Methyl-2-Pentanone	10.571	43	3275	0.614	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	142019	28.056	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	142019	89.683	ug/l #	15

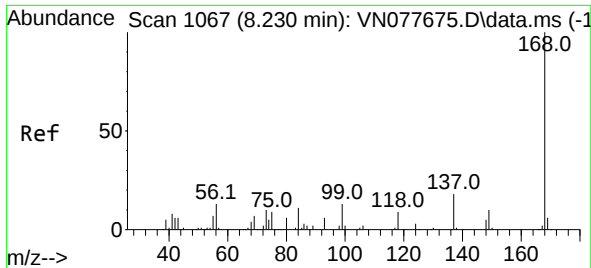
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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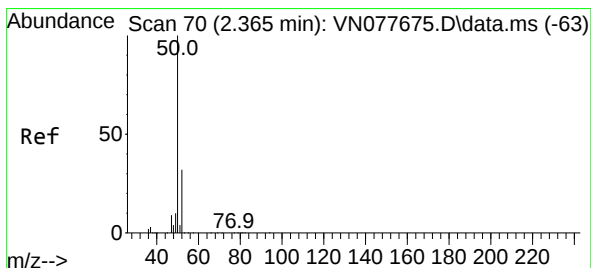
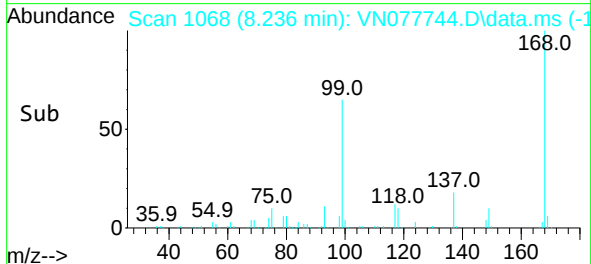
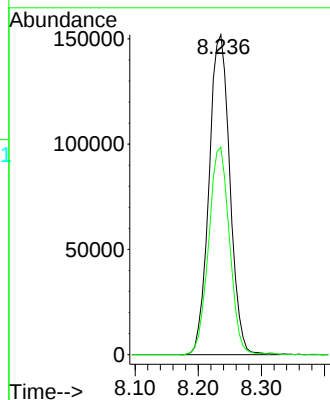
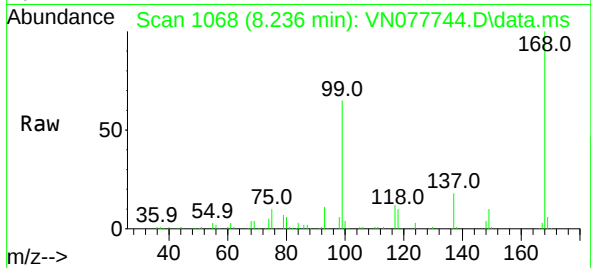




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

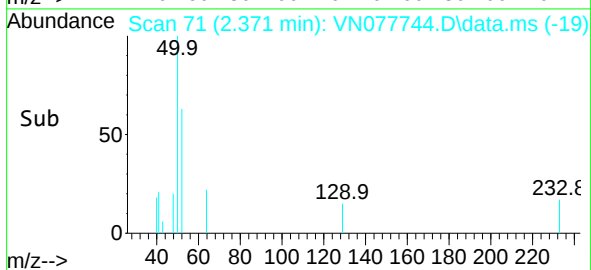
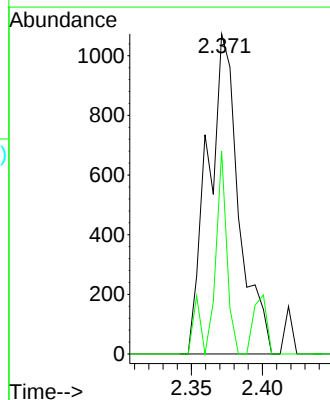
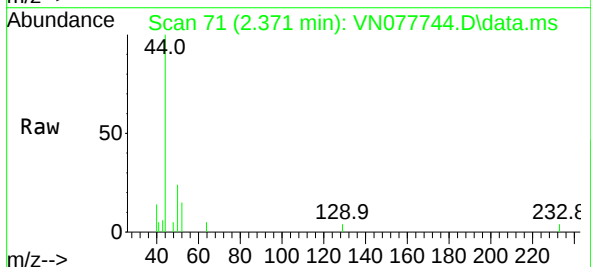
Instrument :
MSVOA_N
ClientSampleId :
RE122D3-20230516

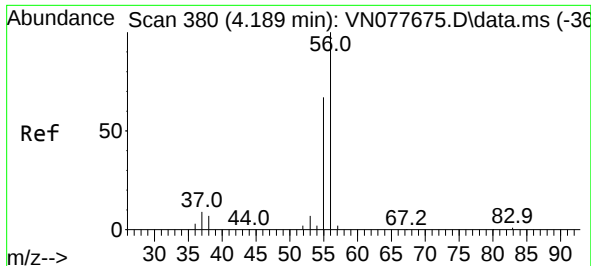
Tgt Ion:168 Resp: 348623
Ion Ratio Lower Upper
168 100
99 64.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

Tgt Ion: 50 Resp: 1635
Ion Ratio Lower Upper
50 100
52 63.4 26.5 39.7#

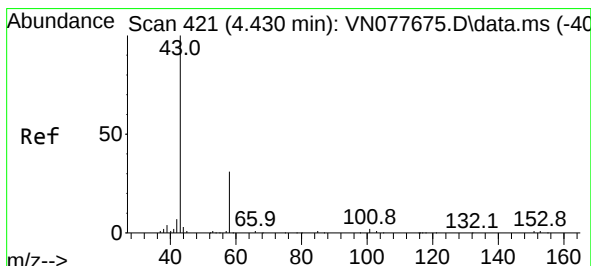
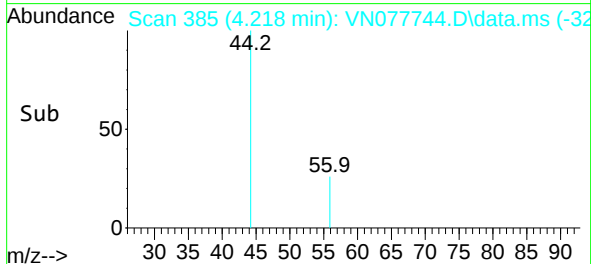
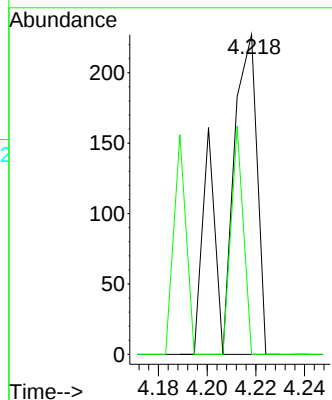
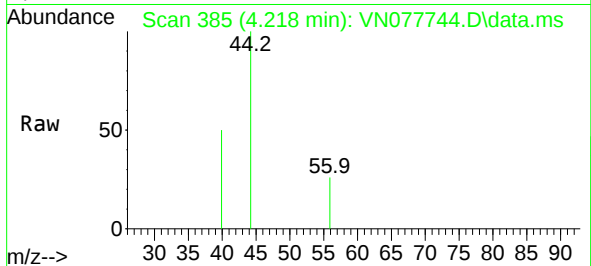




#13
Acrolein
Concen: Below Cal
RT: 4.218 min Scan# 31
Delta R.T. 0.029 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

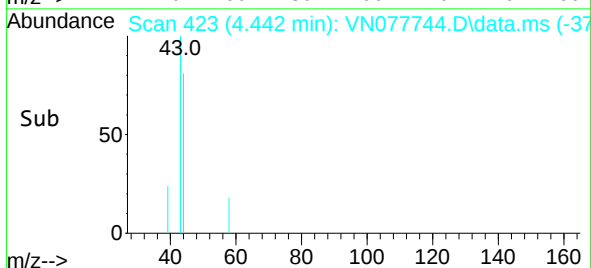
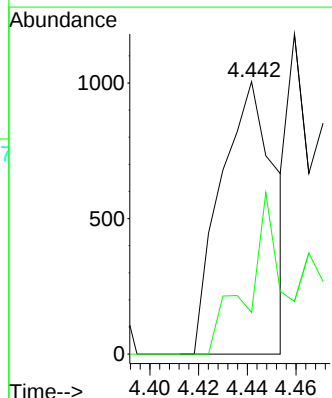
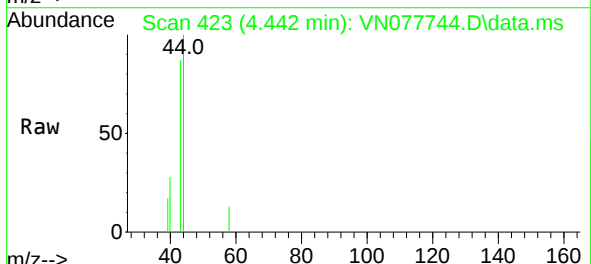
Instrument :
MSVOA_N
ClientSampleId :
RE122D3-20230516

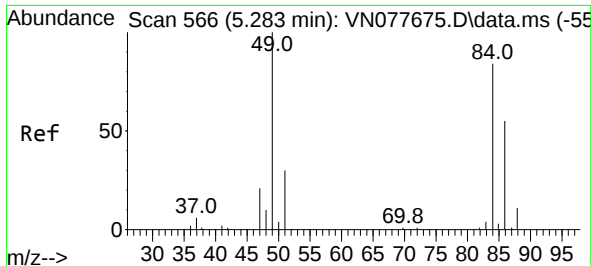
Tgt Ion: 56 Resp: 201
Ion Ratio Lower Upper
56 100
55 28.4 54.5 81.7#



#16
Acetone
Concen: 0.935 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
58 15.3 28.0 42.0#

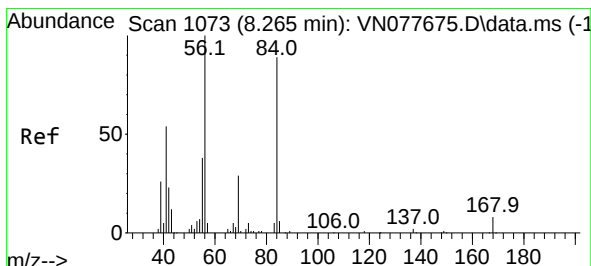
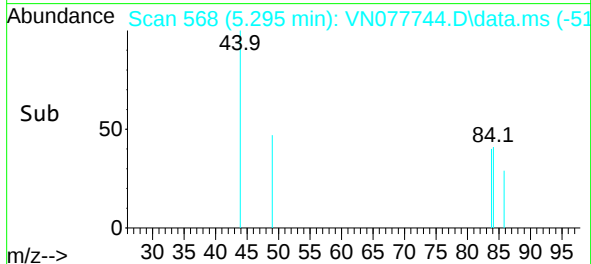
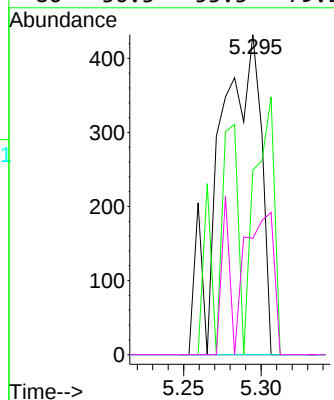
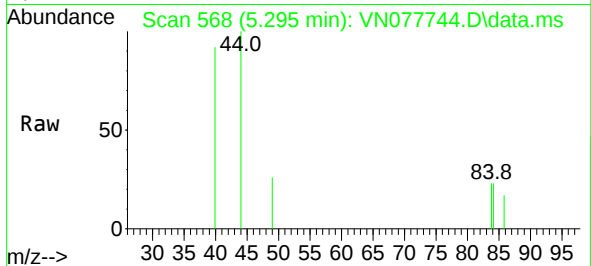




#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

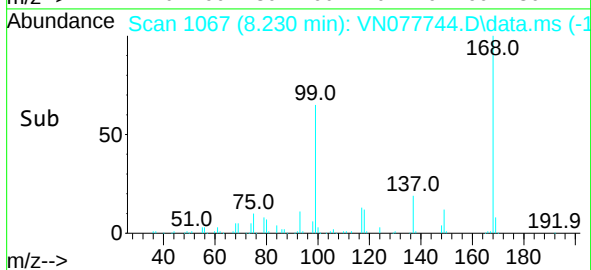
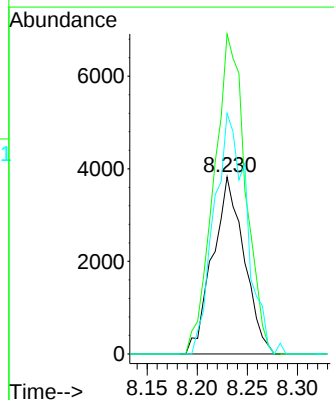
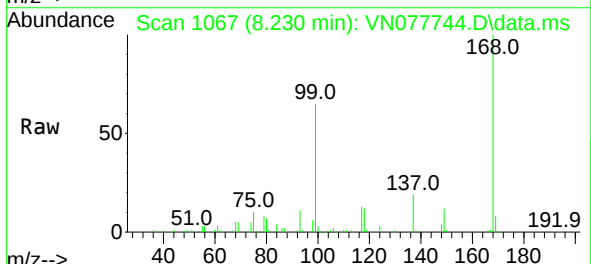
Instrument :
MSVOA_N
ClientSampleId :
RE122D3-20230516

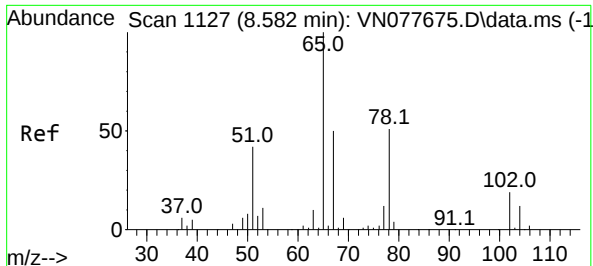
Tgt Ion:	84	Resp:	800
Ion	Ratio	Lower	Upper
84	100		
49	57.6	79.7	119.5#
51	0.0	25.2	37.8#
86	36.3	53.3	79.9#



#31
Cyclohexane
Concen: 1.177 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

Tgt Ion:	56	Resp:	8347
Ion	Ratio	Lower	Upper
56	100		
69	180.8	26.8	40.2#
84	136.0	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 47.117 ug/l

RT: 8.589 min Scan# 1127

Delta R.T. 0.007 min

Lab File: VN077744.D

Acq: 18 May 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

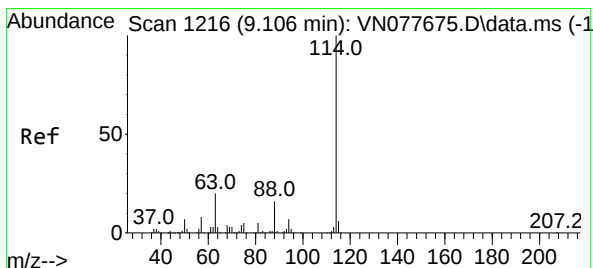
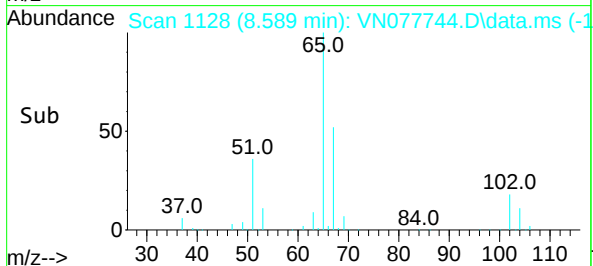
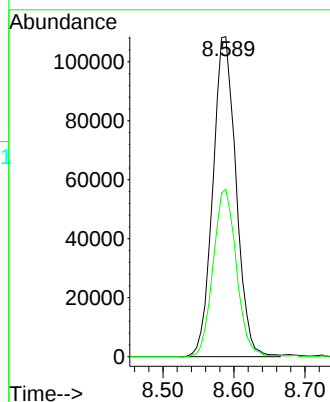
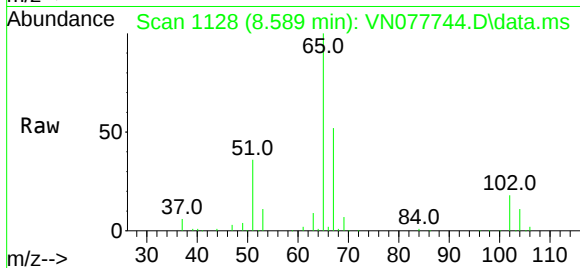
RE122D3-20230516

Tgt Ion: 65 Resp: 245776

Ion Ratio Lower Upper

65 100

67 52.6 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: VN077744.D

Acq: 18 May 2023 18:17

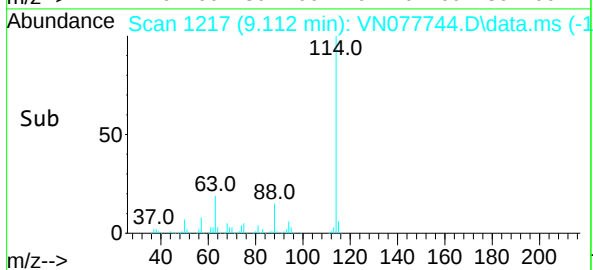
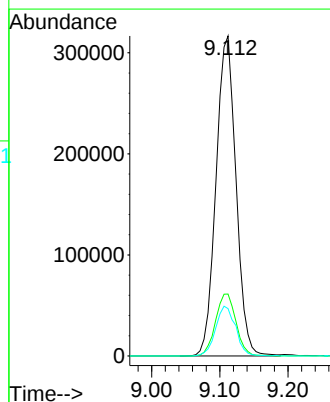
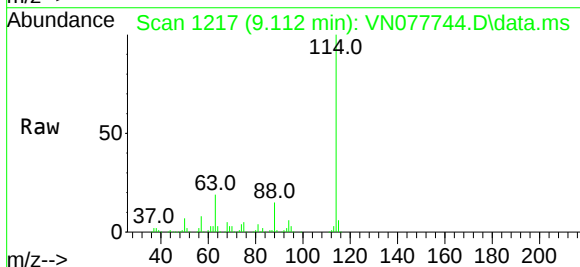
Tgt Ion: 114 Resp: 646554

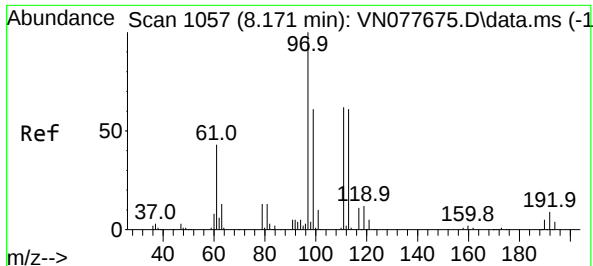
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.914 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077744.D

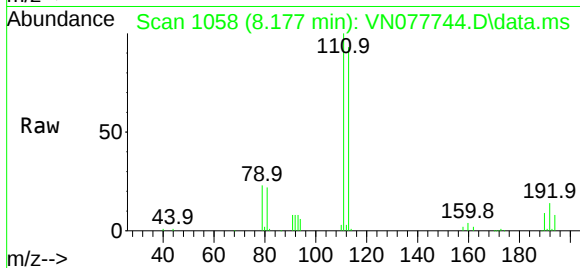
Acq: 18 May 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

RE122D3-20230516



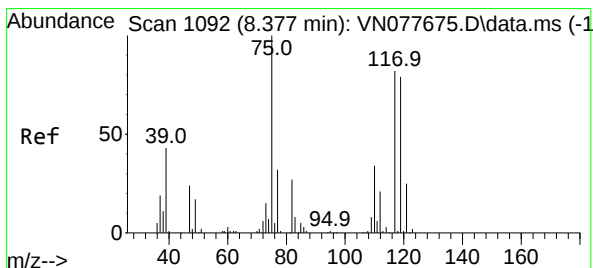
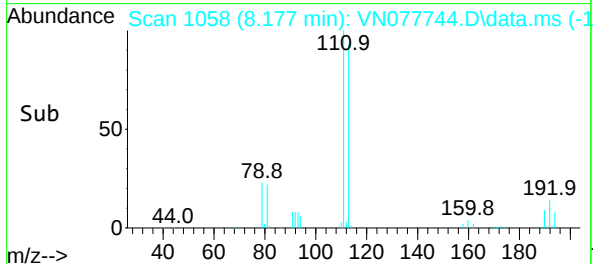
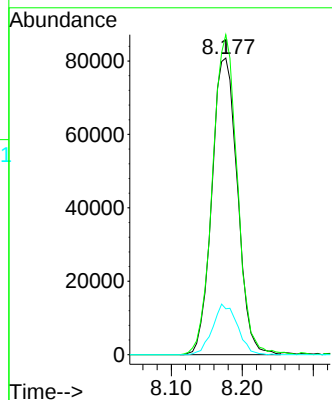
Tgt Ion:113 Resp: 202009

Ion Ratio Lower Upper

113 100

111 104.9 82.6 123.8

192 16.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.178 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN077744.D

Acq: 18 May 2023 18:17

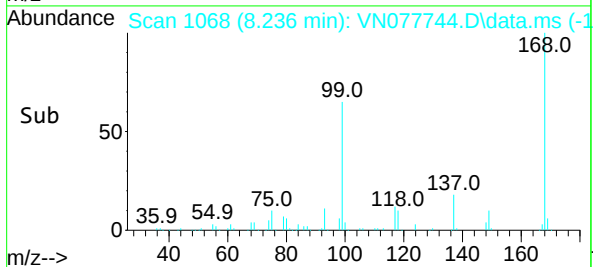
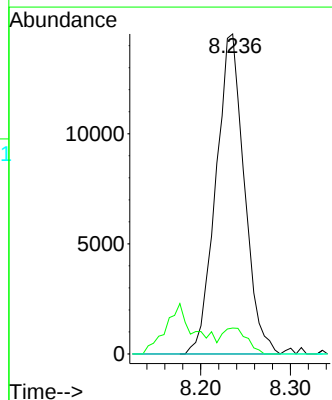
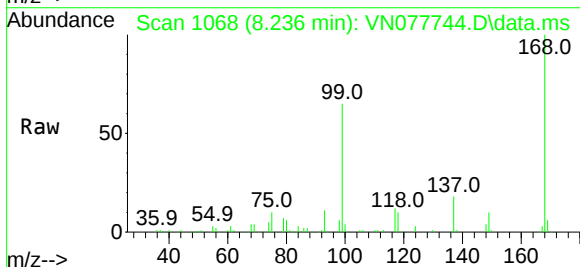
Tgt Ion: 75 Resp: 31929

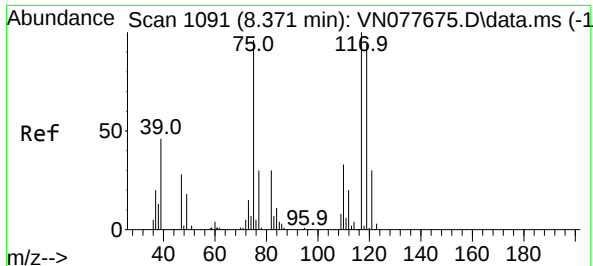
Ion Ratio Lower Upper

75 100

110 7.0 19.1 57.3#

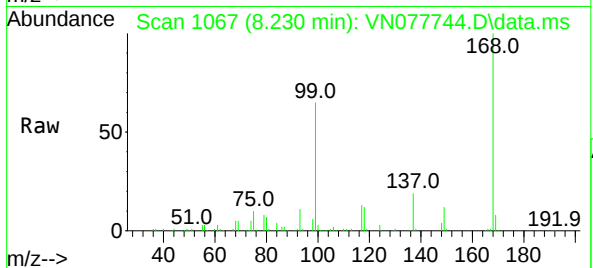
77 0.0 25.0 37.4#



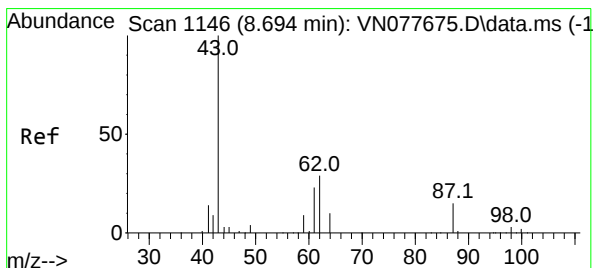
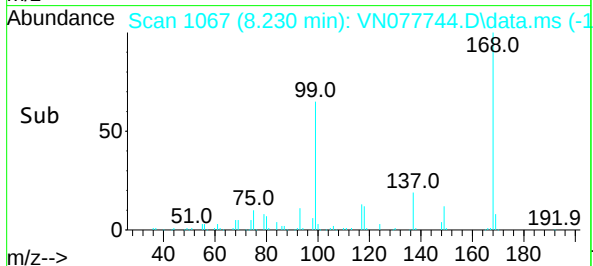
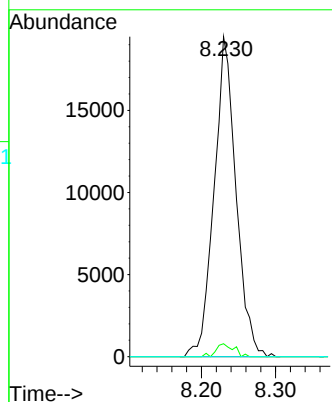


#38
Carbon Tetrachloride
Concen: 6.439 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :
RE122D3-20230516

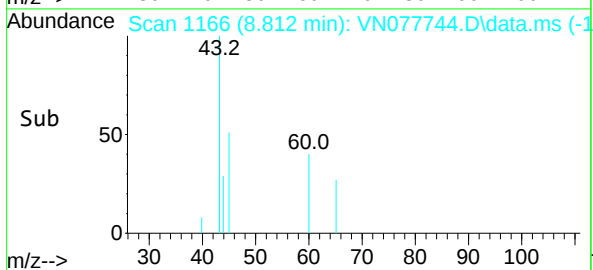
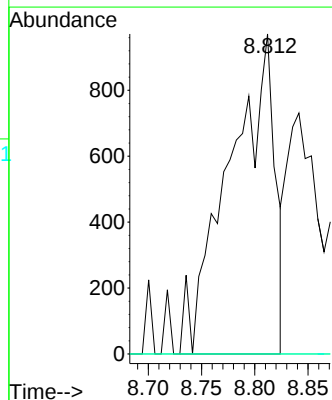
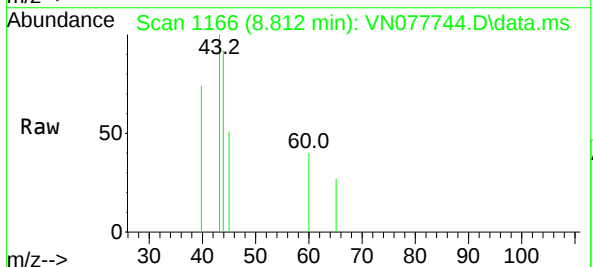


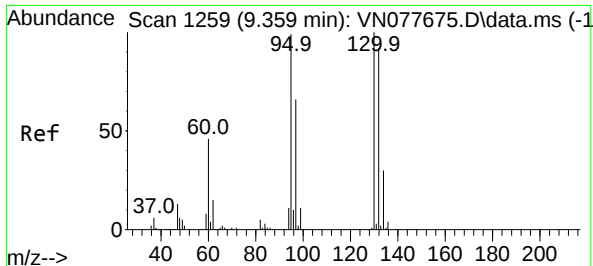
Tgt Ion:117 Resp: 40095
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.322 ug/l
RT: 8.812 min Scan# 1166
Delta R.T. 0.118 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

Tgt Ion: 43 Resp: 2890
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

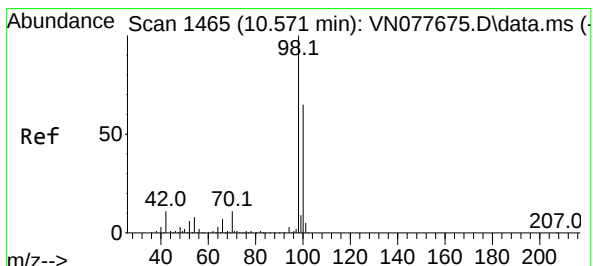
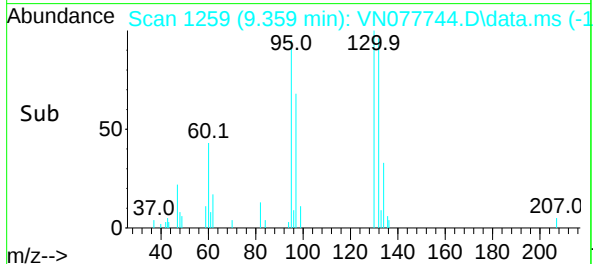
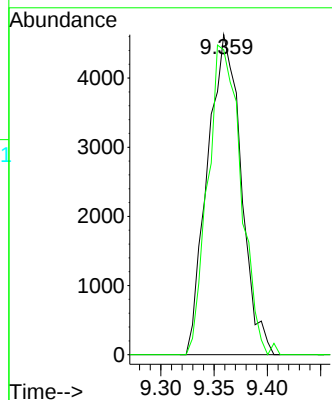
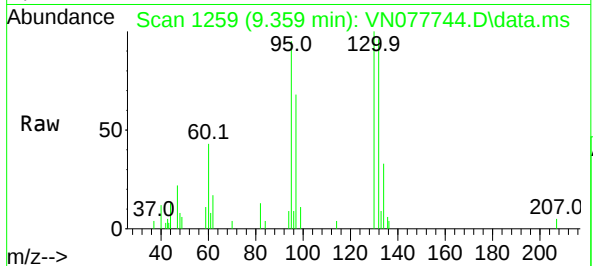




#44
Trichloroethene
Concen: 2.204 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

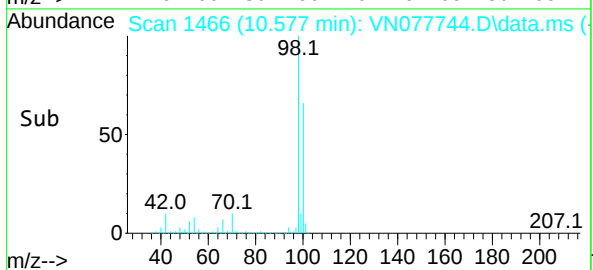
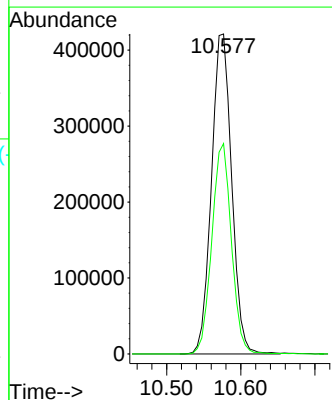
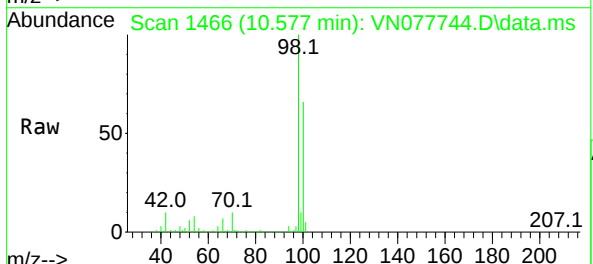
Instrument :
MSVOA_N
ClientSampleId :
RE122D3-20230516

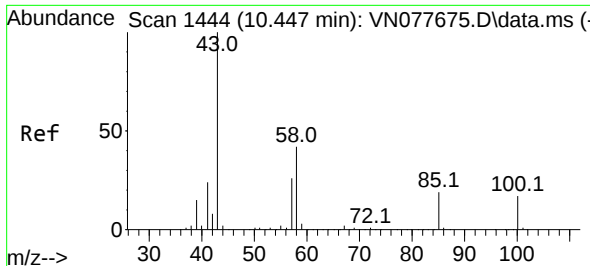
Tgt Ion:130 Resp: 10155
Ion Ratio Lower Upper
130 100
95 95.3 0.0 204.6



#50
Toluene-d8
Concen: 49.172 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

Tgt Ion: 98 Resp: 797970
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0

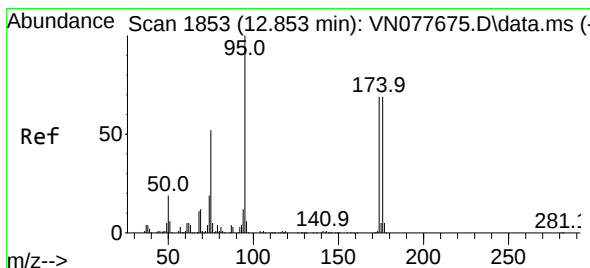
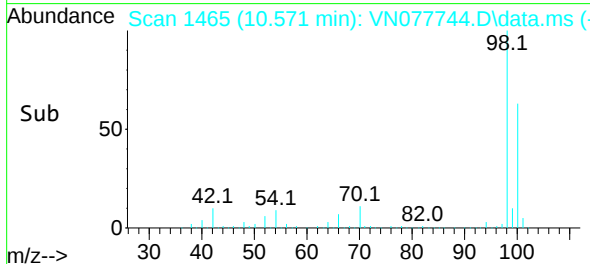
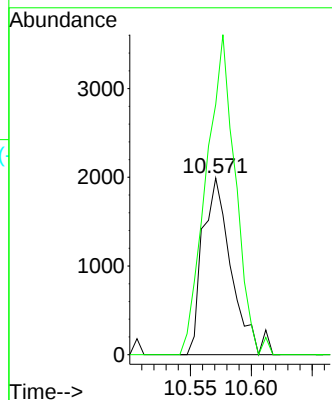
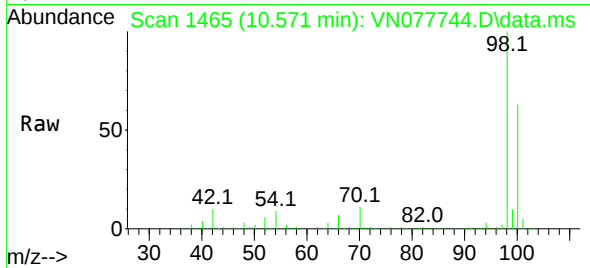




#51
4-Methyl-2-Pentanone
Concen: 0.614 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

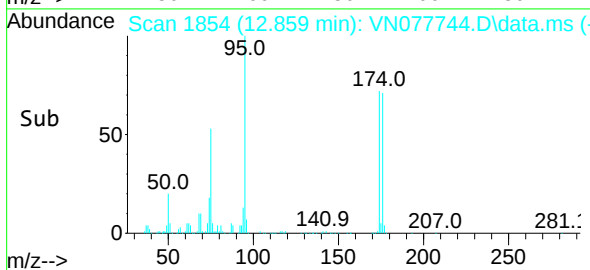
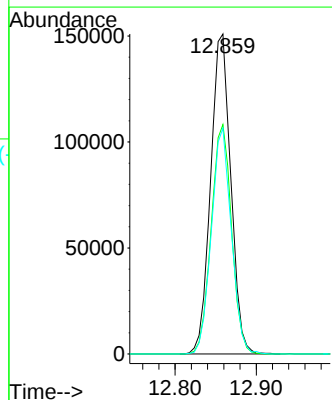
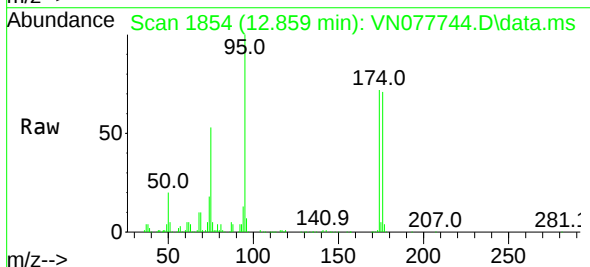
Instrument :
MSVOA_N
ClientSampleId :
RE122D3-20230516

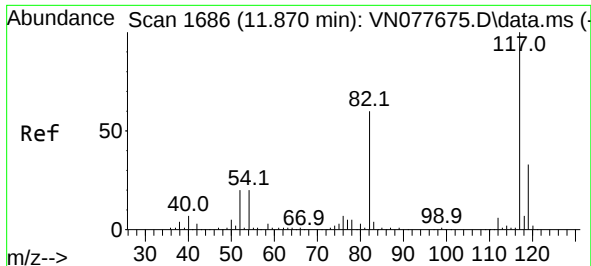
Tgt Ion: 43 Resp: 3275
Ion Ratio Lower Upper
43 100
58 184.4 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 45.371 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

Tgt Ion: 95 Resp: 260043
Ion Ratio Lower Upper
95 100
174 72.4 0.0 143.8
176 69.7 0.0 135.8

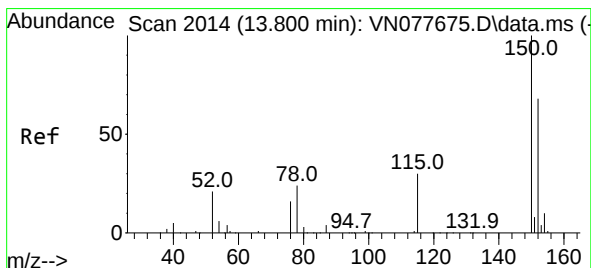
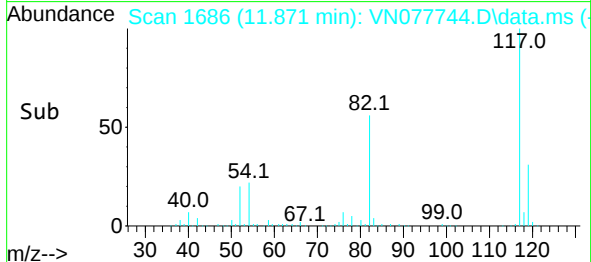
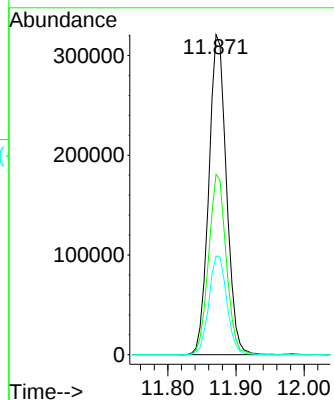
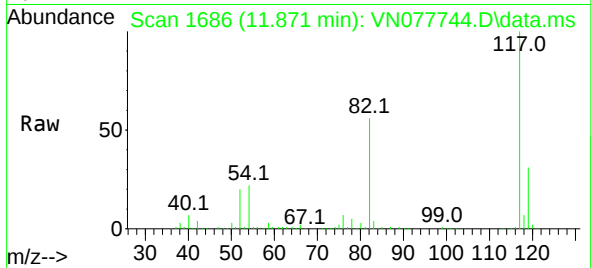




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

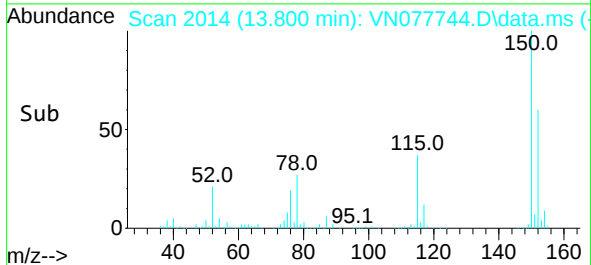
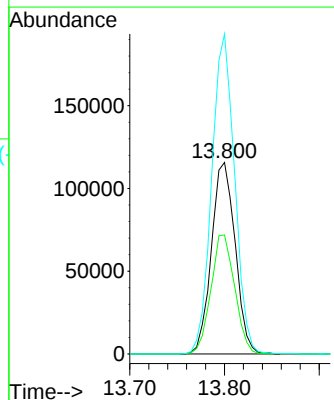
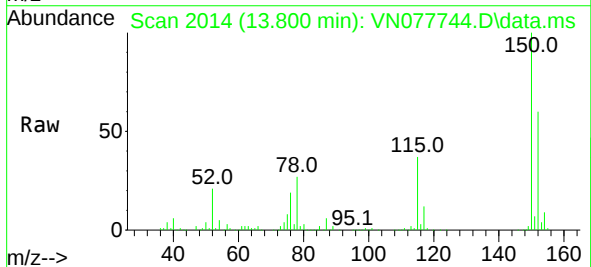
Instrument :
MSVOA_N
ClientSampleId :
RE122D3-20230516

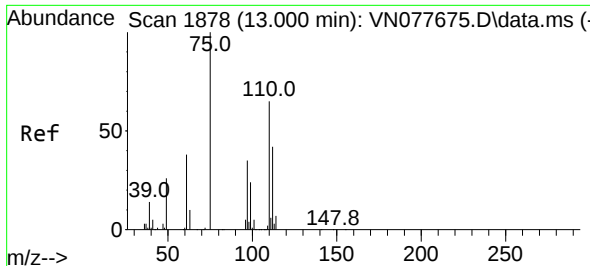
Tgt Ion:117 Resp: 577257
Ion Ratio Lower Upper
117 100
82 56.3 44.0 66.0
119 30.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

Tgt Ion:152 Resp: 202124
Ion Ratio Lower Upper
152 100
115 62.2 32.3 96.8
150 160.9 0.0 355.8

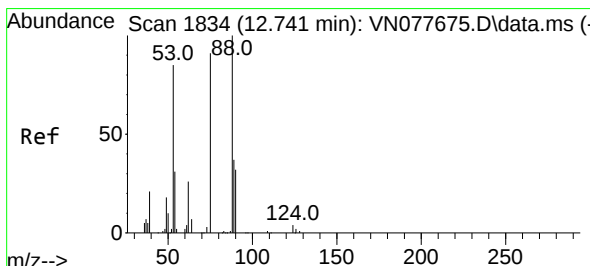
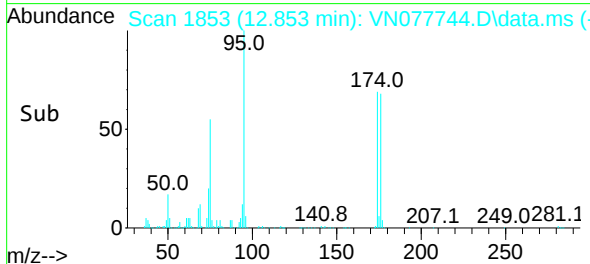
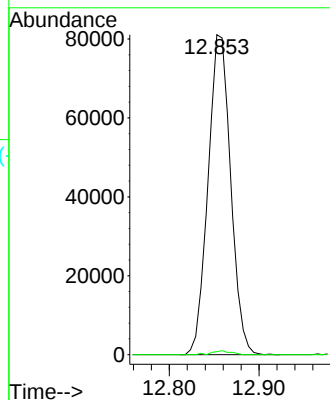
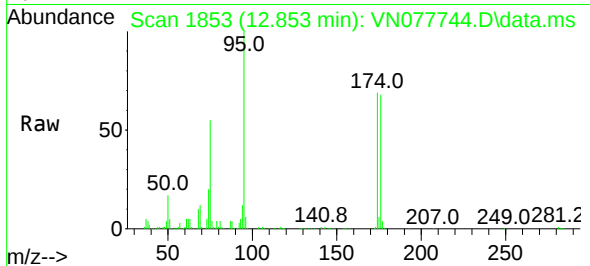




#76
1,2,3-Trichloropropane
Concen: 28.056 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :
RE122D3-20230516

Tgt Ion: 75 Resp: 142019
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.683 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077744.D
Acq: 18 May 2023 18:17

Tgt Ion: 75 Resp: 142019
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

