

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077741.D
 Acq On : 18 May 2023 17:06
 Operator : JC\MD
 Sample : 02834-14DL 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP02-20230517DL

Quant Time: May 29 08:52:49 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

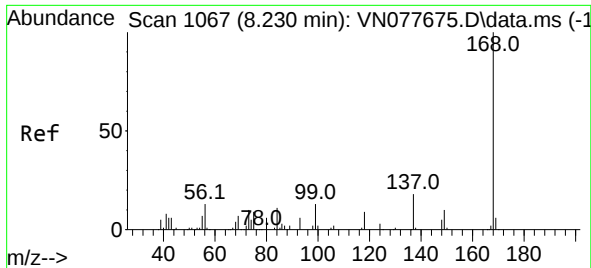
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	356401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	647144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	551279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	180721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	238849	44.790	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.580%
35) Dibromofluoromethane	8.171	113	204169	48.382	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.760%
50) Toluene-d8	10.576	98	794431	48.909	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.820%
62) 4-Bromofluorobenzene	12.859	95	244494	42.620	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.240%
Target Compounds						
3) Chloromethane	2.377	50	1062	Below Cal	#	42
5) Bromomethane	2.977	94	1282	0.339	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.389	101	12893	3.269	ug/l	95
13) Acrolein	4.183	56	250	Below Cal	#	42
16) Acetone	4.453	43	900	0.536	ug/l	98
20) Methylene Chloride	5.277	84	1471	Below Cal	#	64
31) Cyclohexane	8.235	56	8129	1.122	ug/l	# 16
36) 1,1-Dichloropropene	8.230	75	31191	5.053	ug/l	# 49
38) Carbon Tetrachloride	8.235	117	39744	6.377	ug/l	# 16
44) Trichloroethene	9.359	130	13345	2.894	ug/l	89
60) Dibromochloromethane	11.118	129	1178	0.253	ug/l	# 11
64) Tetrachloroethene	11.112	164	1164	0.302	ug/l	# 70
76) 1,2,3-Trichloropropane	12.853	75	130185	28.764	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	130185	91.946	ug/l	# 15

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

Quant Time: May 29 08:52:49 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

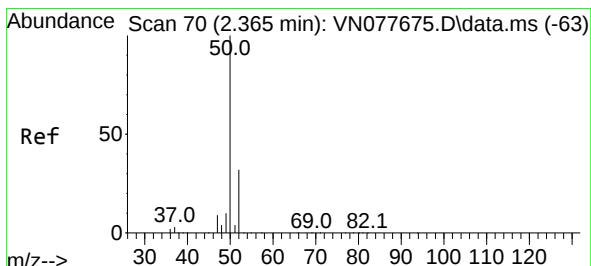
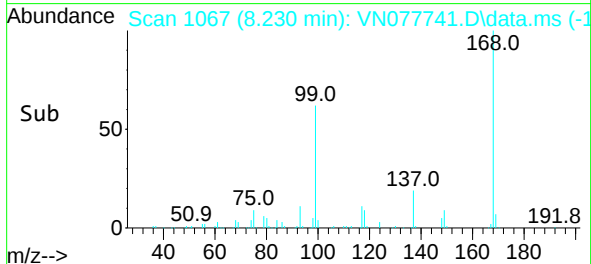
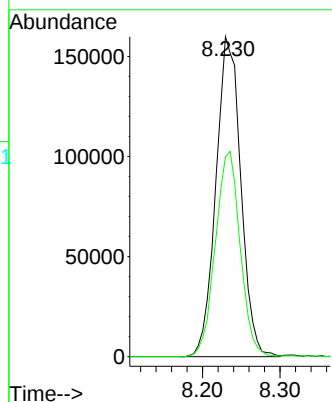
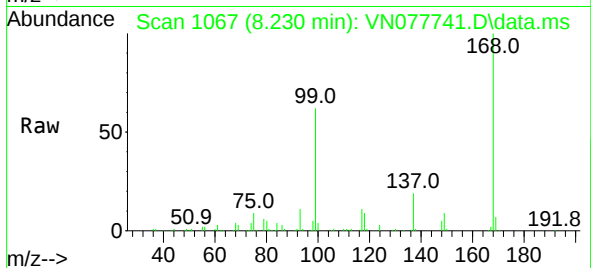




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

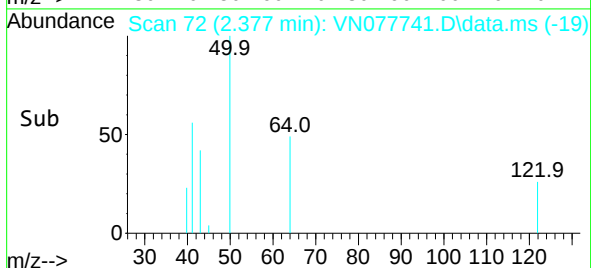
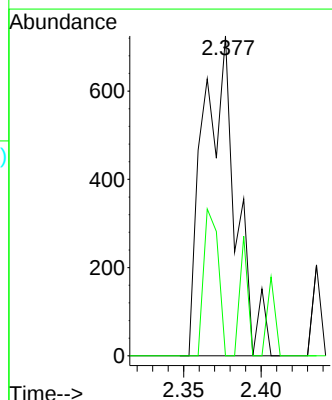
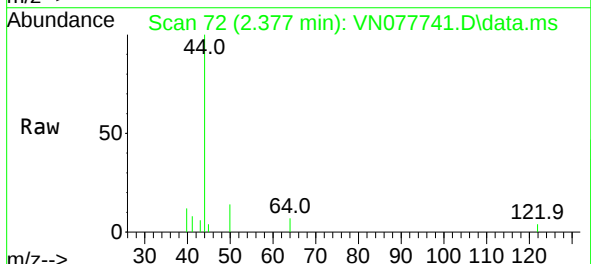
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20230517DL

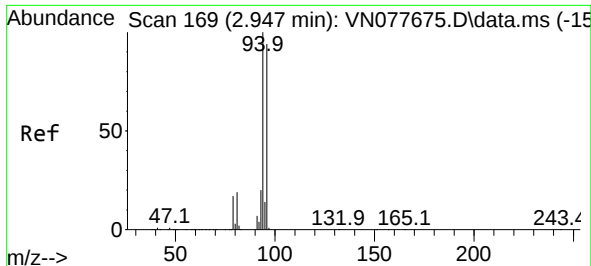
Tgt Ion:168 Resp: 356401
Ion Ratio Lower Upper
168 100
99 62.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

Tgt Ion: 50 Resp: 1062
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

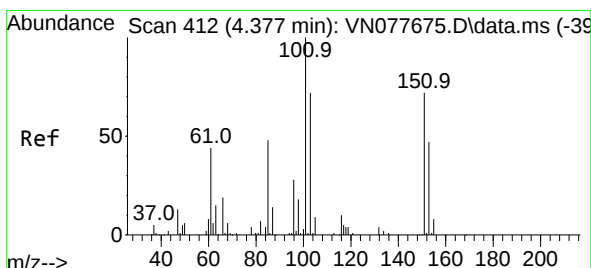
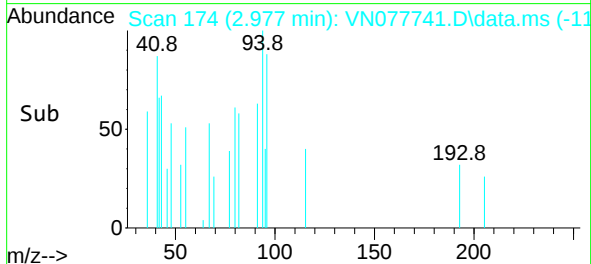
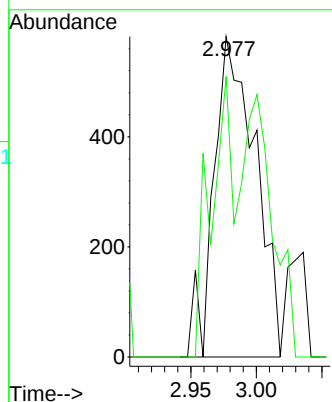
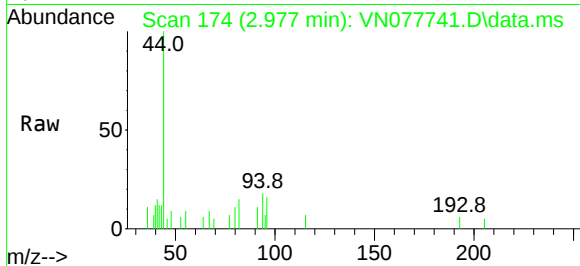




#5
Bromomethane
Concen: 0.339 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

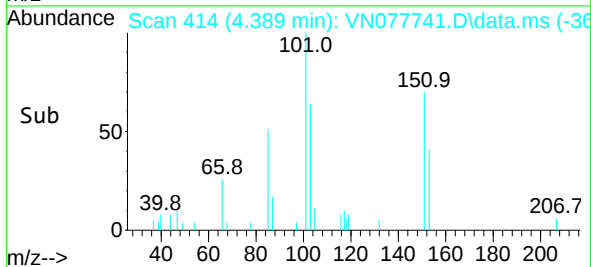
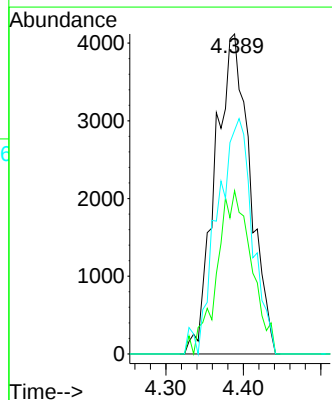
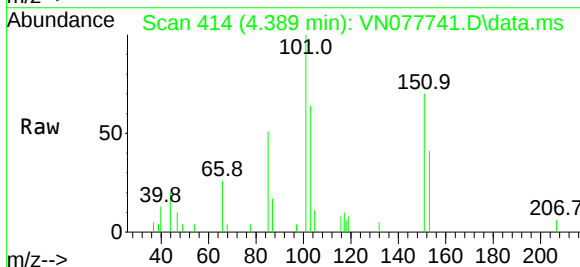
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20230517DL

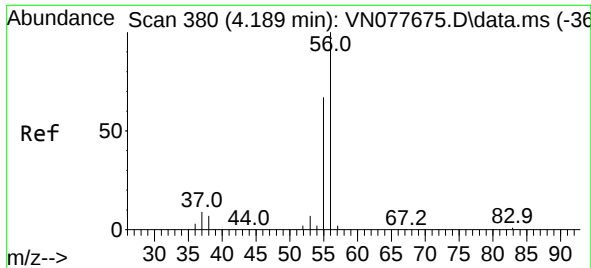
Tgt Ion: 94 Resp: 1282
Ion Ratio Lower Upper
94 100
96 87.6 73.1 109.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.269 ug/l
RT: 4.389 min Scan# 414
Delta R.T. 0.012 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

Tgt Ion:101 Resp: 12893
Ion Ratio Lower Upper
101 100
85 50.6 36.6 55.0
151 74.7 57.6 86.4

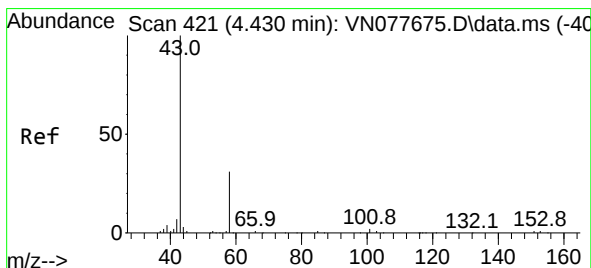
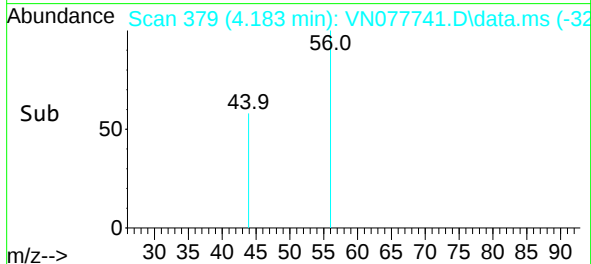
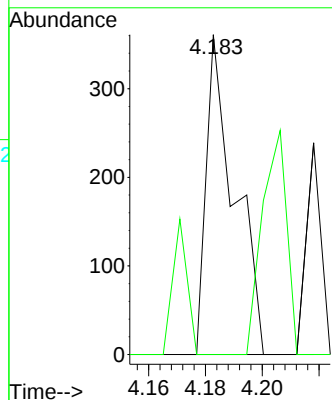
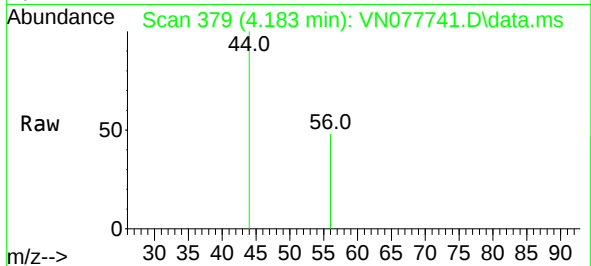




#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

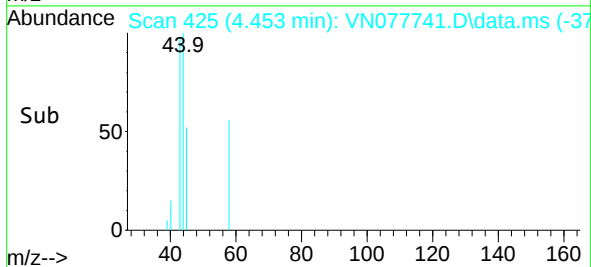
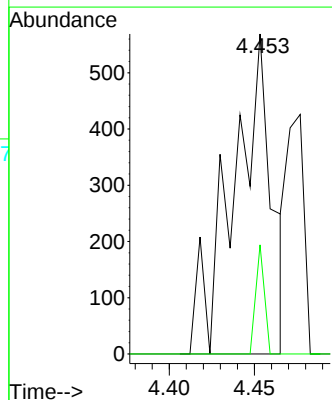
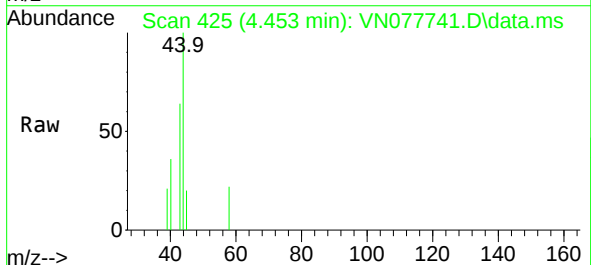
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20230517DL

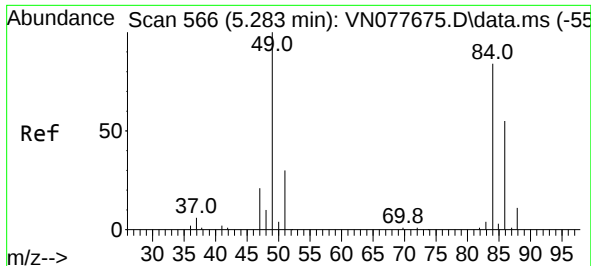
Tgt Ion: 56 Resp: 250
Ion Ratio Lower Upper
56 100
55 21.6 54.5 81.7#



#16
Acetone
Concen: 0.536 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.023 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

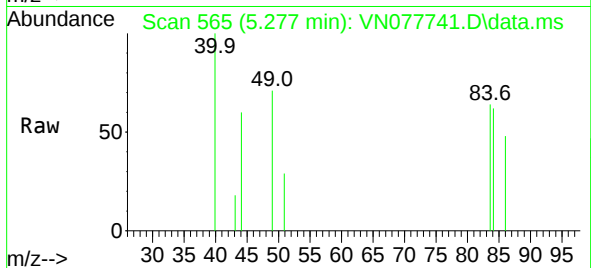
Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
58 34.1 28.0 42.0



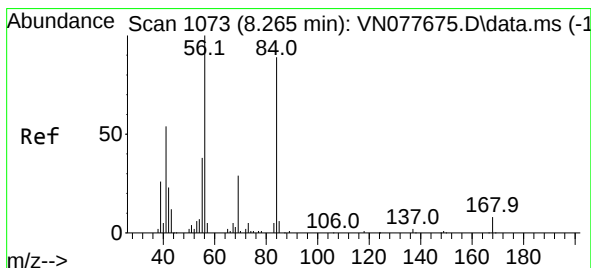
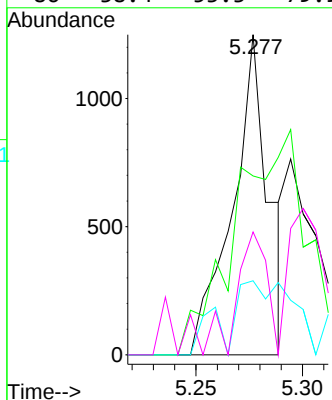
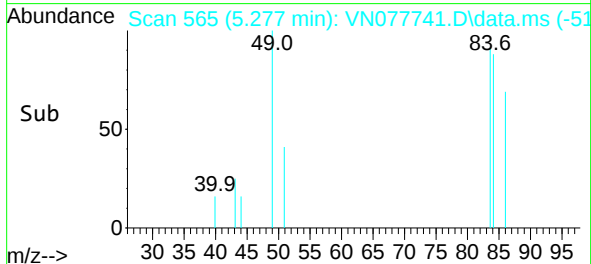


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

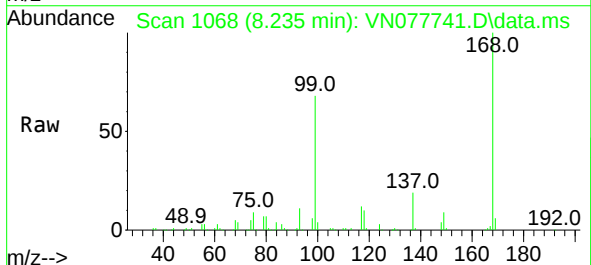
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20230517DL



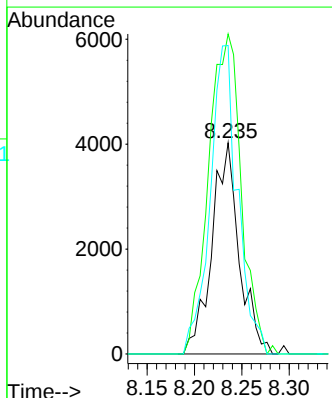
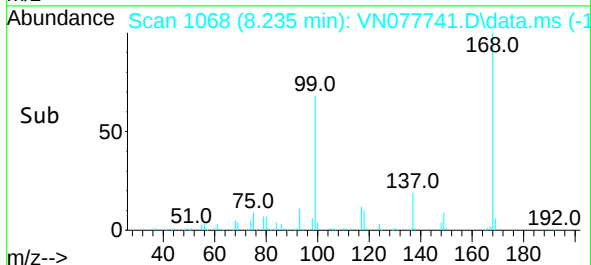
Tgt Ion:	84	Resp:	1471
Ion	Ratio	Lower	Upper
84	100		
49	55.9	79.7	119.5#
51	23.1	25.2	37.8#
86	38.4	53.3	79.9#

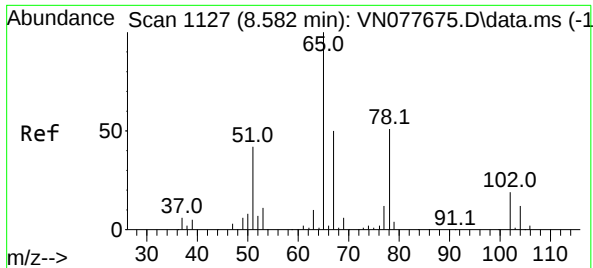


#31
Cyclohexane
Concen: 1.122 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06



Tgt Ion:	56	Resp:	8129
Ion	Ratio	Lower	Upper
56	100		
69	151.5	26.8	40.2#
84	146.0	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 44.790 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077741.D

Acq: 18 May 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

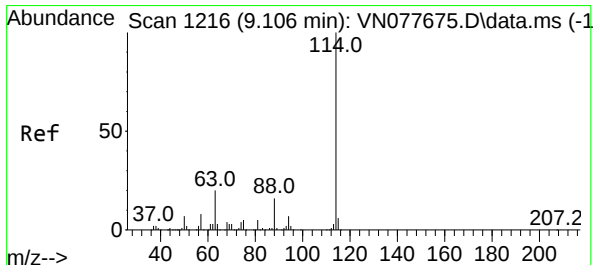
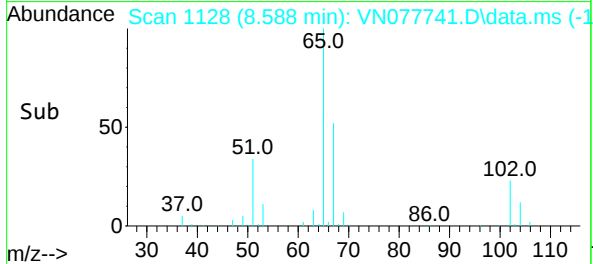
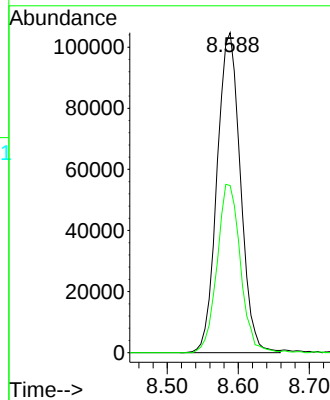
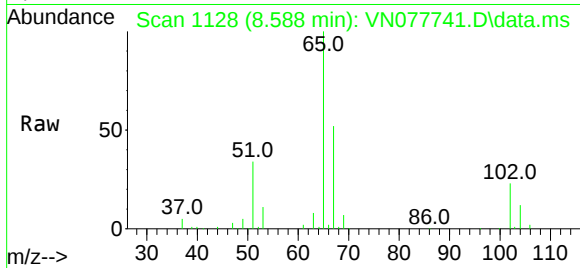
DUP02-20230517DL

Tgt Ion: 65 Resp: 238849

Ion Ratio Lower Upper

65 100

67 52.7 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: VN077741.D

Acq: 18 May 2023 17:06

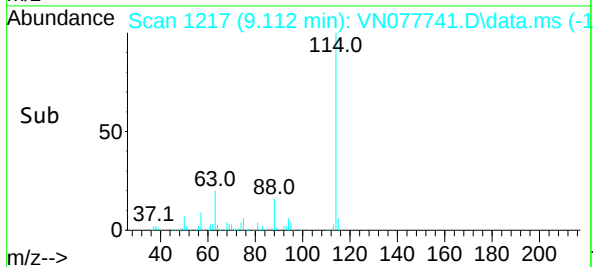
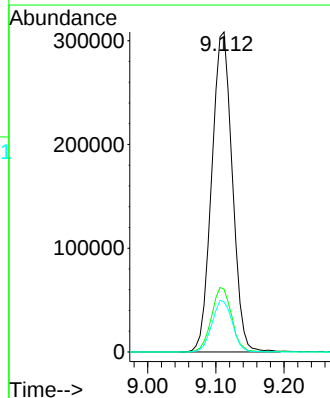
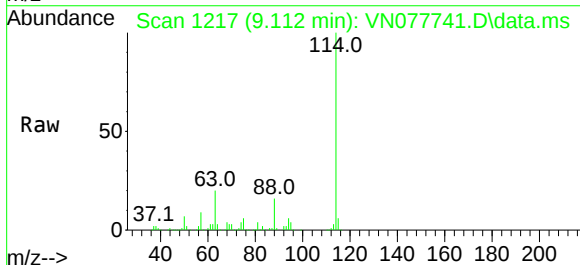
Tgt Ion: 114 Resp: 647144

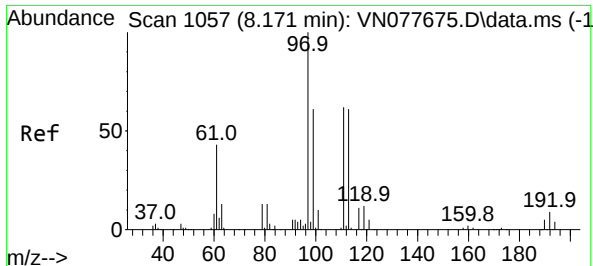
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

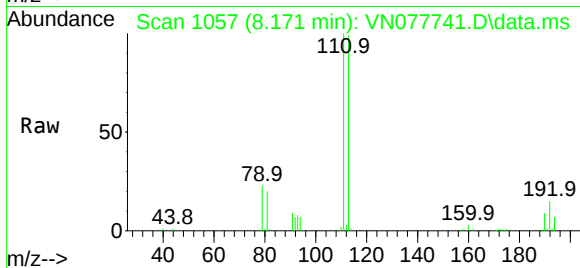
88 15.7 0.0 30.6



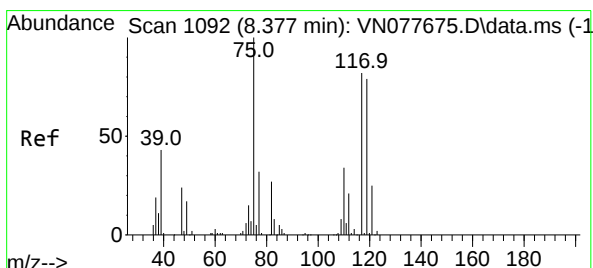
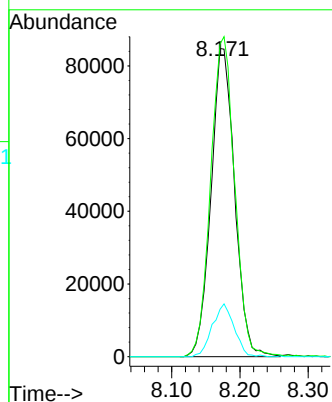
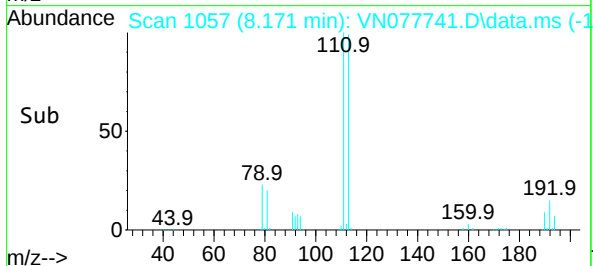


#35
Dibromofluoromethane
Concen: 48.382 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
DUP02-20230517DL

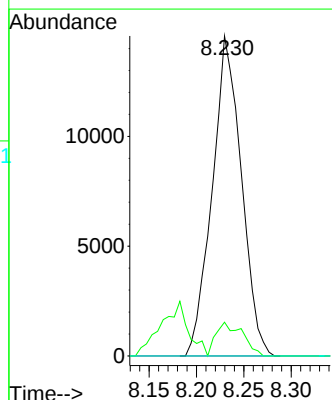
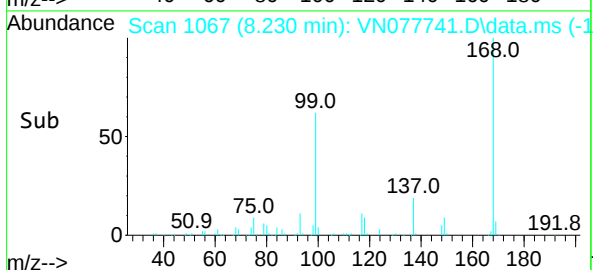
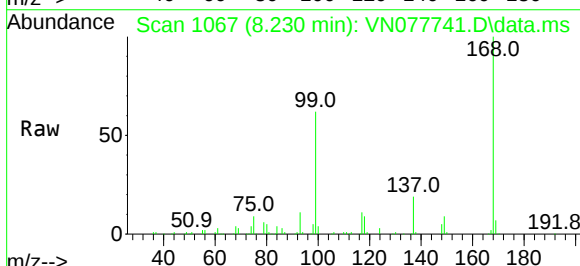


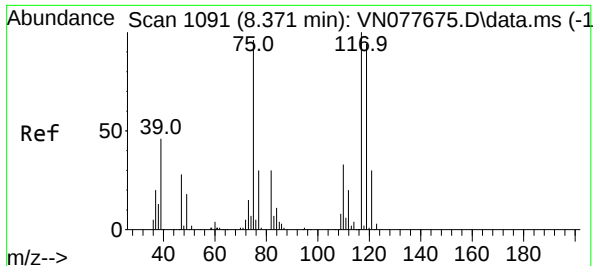
Tgt Ion:113 Resp: 204169
Ion Ratio Lower Upper
113 100
111 105.4 82.6 123.8
192 16.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.053 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

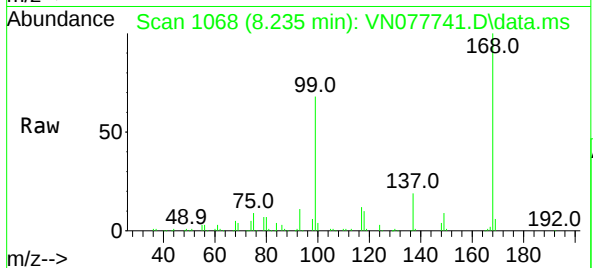
Tgt Ion: 75 Resp: 31191
Ion Ratio Lower Upper
75 100
110 9.6 19.1 57.3#
77 0.0 25.0 37.4#



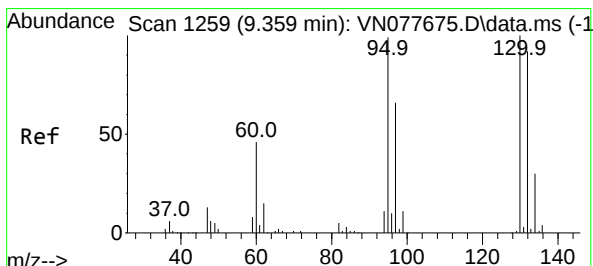
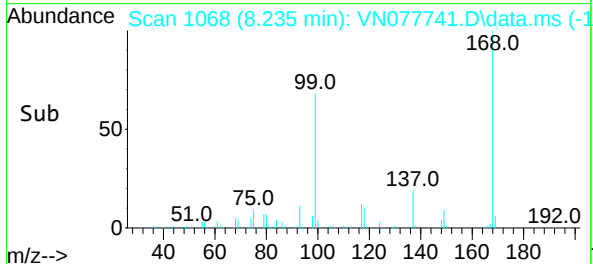
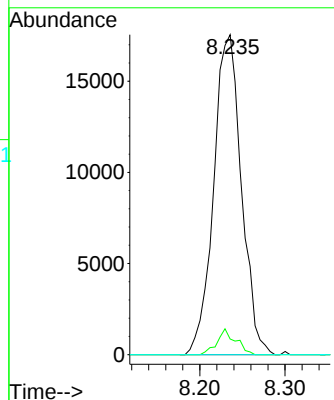


#38
Carbon Tetrachloride
Concen: 6.377 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
DUP02-20230517DL

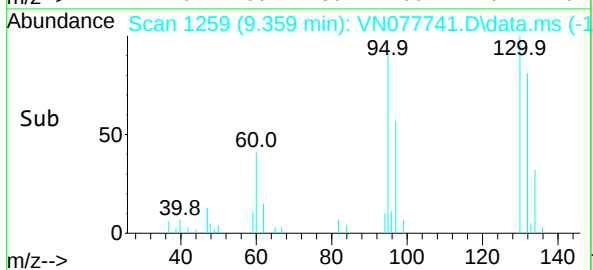
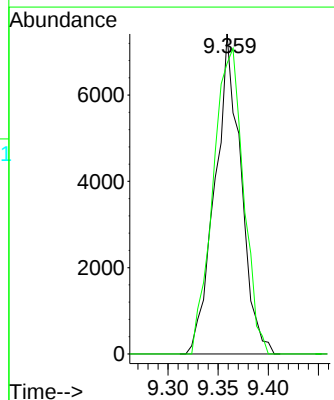
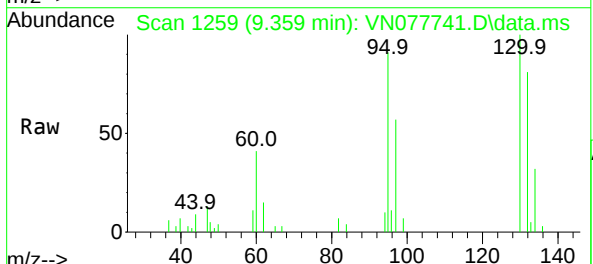


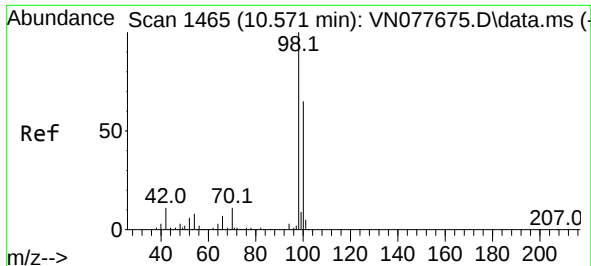
Tgt Ion:117 Resp: 39744
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 23.3 34.9#



#44
Trichloroethene
Concen: 2.894 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

Tgt Ion:130 Resp: 13345
Ion Ratio Lower Upper
130 100
95 90.8 0.0 204.6

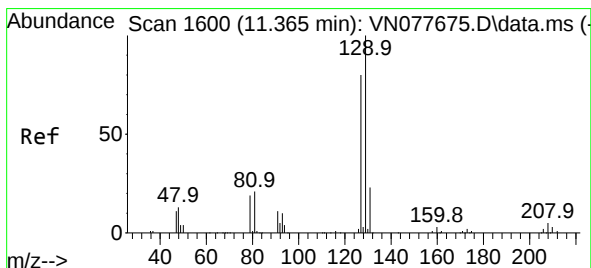
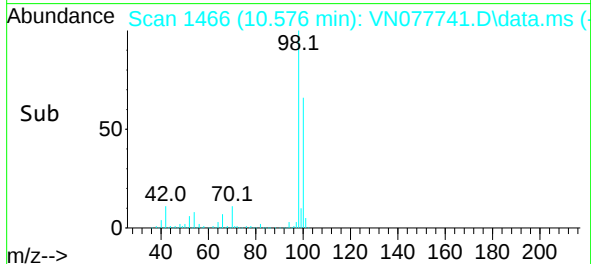
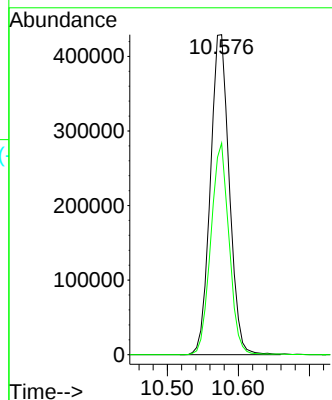
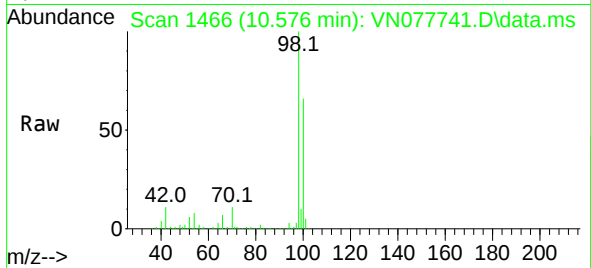




#50
Toluene-d8
Concen: 48.909 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

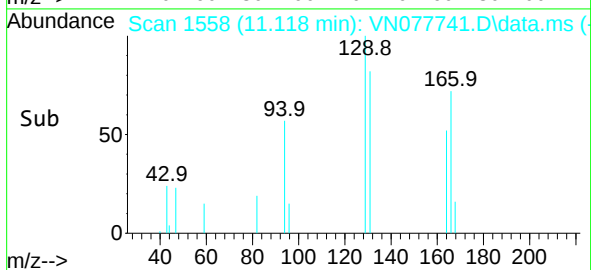
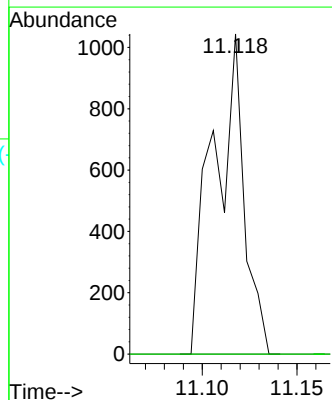
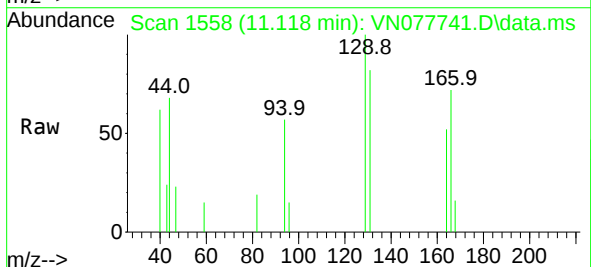
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20230517DL

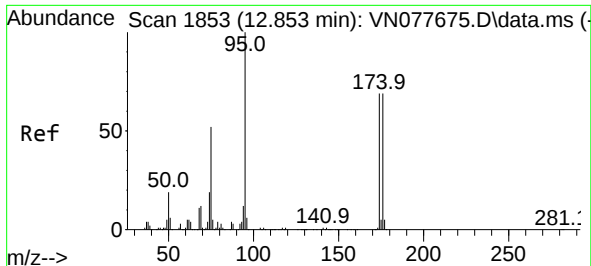
Tgt Ion: 98 Resp: 794431
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0



#60
Dibromochloromethane
Concen: 0.253 ug/l
RT: 11.118 min Scan# 1558
Delta R.T. -0.247 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

Tgt Ion: 129 Resp: 1178
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

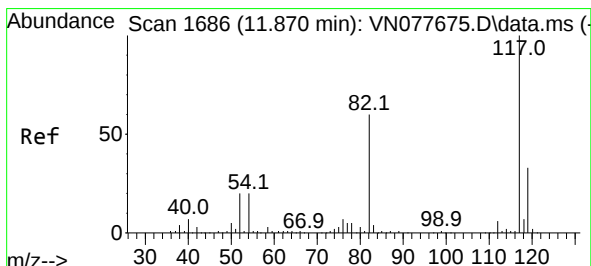
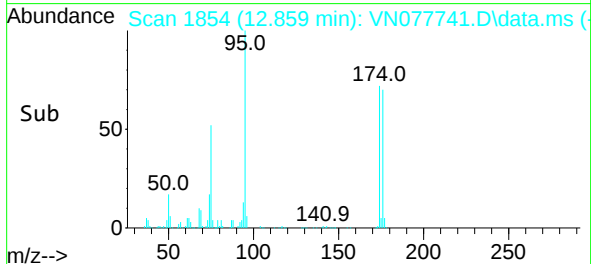
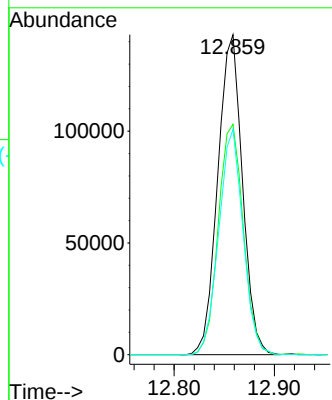
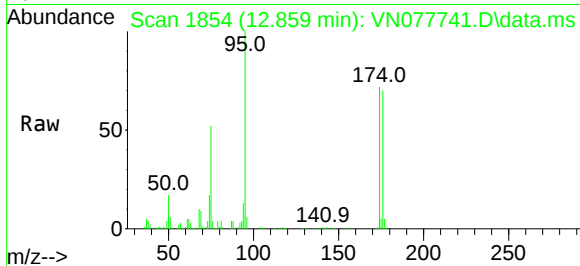




#62
4-Bromofluorobenzene
Concen: 42.620 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

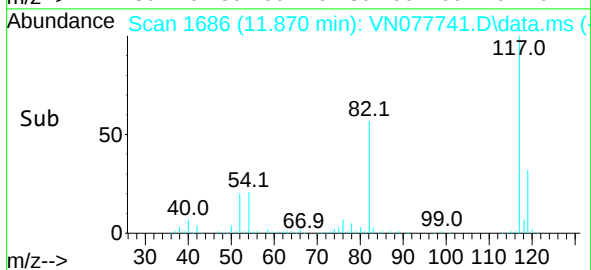
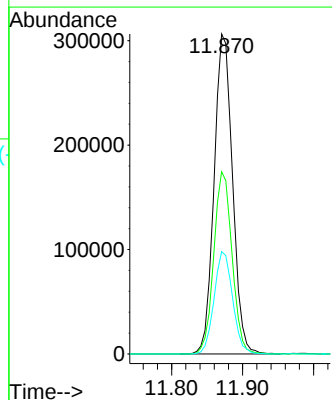
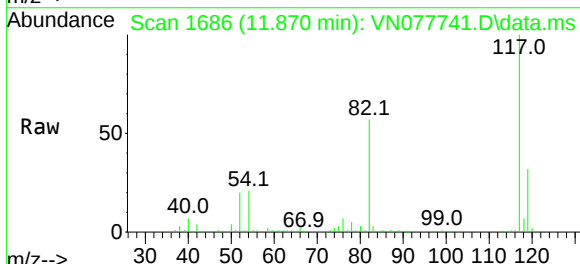
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20230517DL

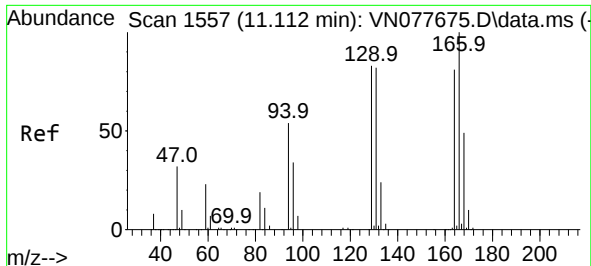
Tgt Ion: 95 Resp: 244494
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.8
176 69.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

Tgt Ion: 117 Resp: 551279
Ion Ratio Lower Upper
117 100
82 57.0 44.0 66.0
119 32.0 25.6 38.4

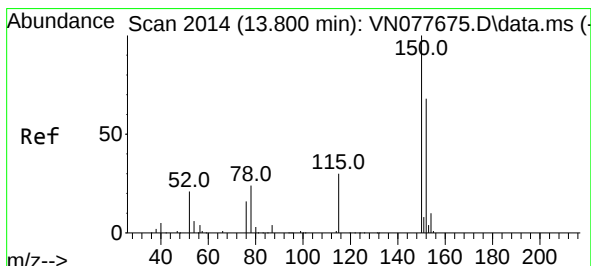
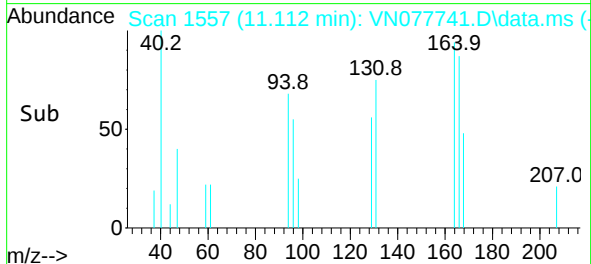
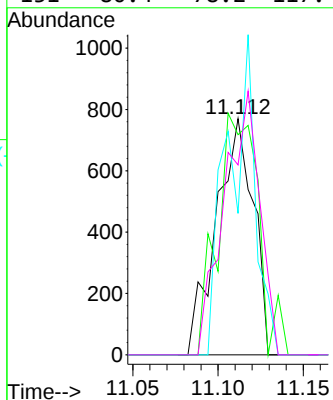
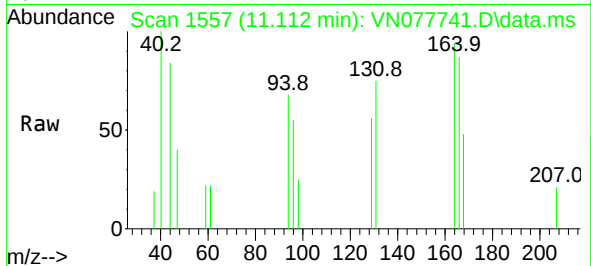




#64
Tetrachloroethene
Concen: 0.302 ug/l
RT: 11.112 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

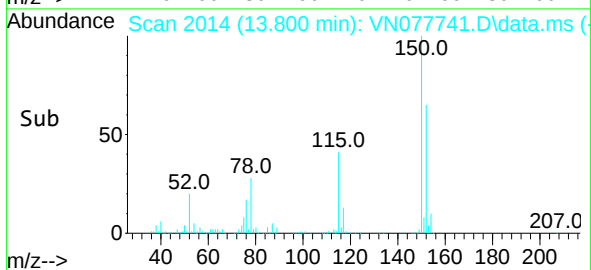
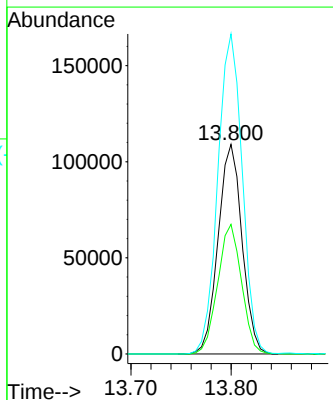
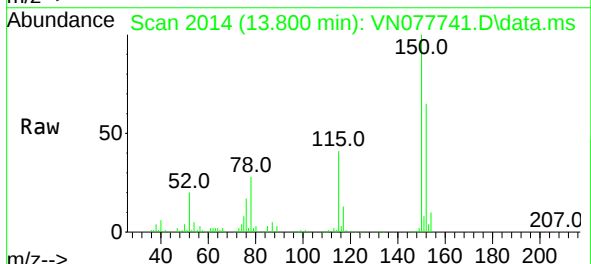
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20230517DL

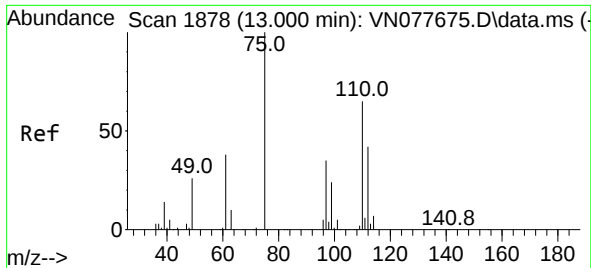
Tgt Ion:164	Resp:	1164
Ion	Ratio	Lower Upper
164	100	
166	93.2	101.4 152.0#
129	59.9	82.4 123.6#
131	80.4	78.2 117.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

Tgt Ion:152	Resp:	180721
Ion	Ratio	Lower Upper
152	100	
115	61.6	32.3 96.8
150	155.7	0.0 355.8

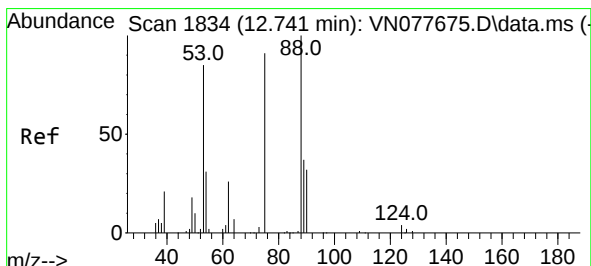
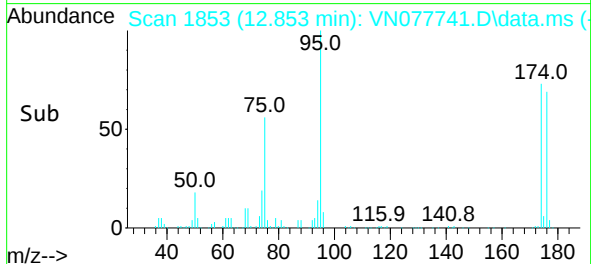
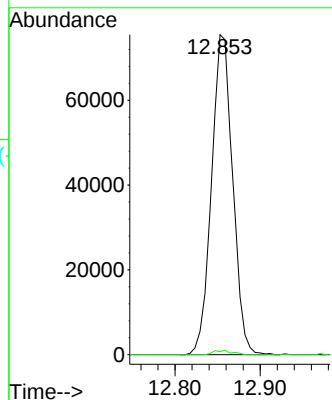
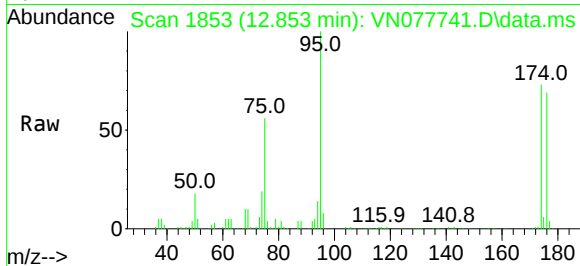




#76
1,2,3-Trichloropropane
Concen: 28.764 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
DUP02-20230517DL

Tgt Ion: 75 Resp: 130185
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.946 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077741.D
Acq: 18 May 2023 17:06

Tgt Ion: 75 Resp: 130185
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

