

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
 Data File : VN084850.D
 Acq On : 14 Nov 2024 14:36
 Operator : JC\MD
 Sample : P4844-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 00:47:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

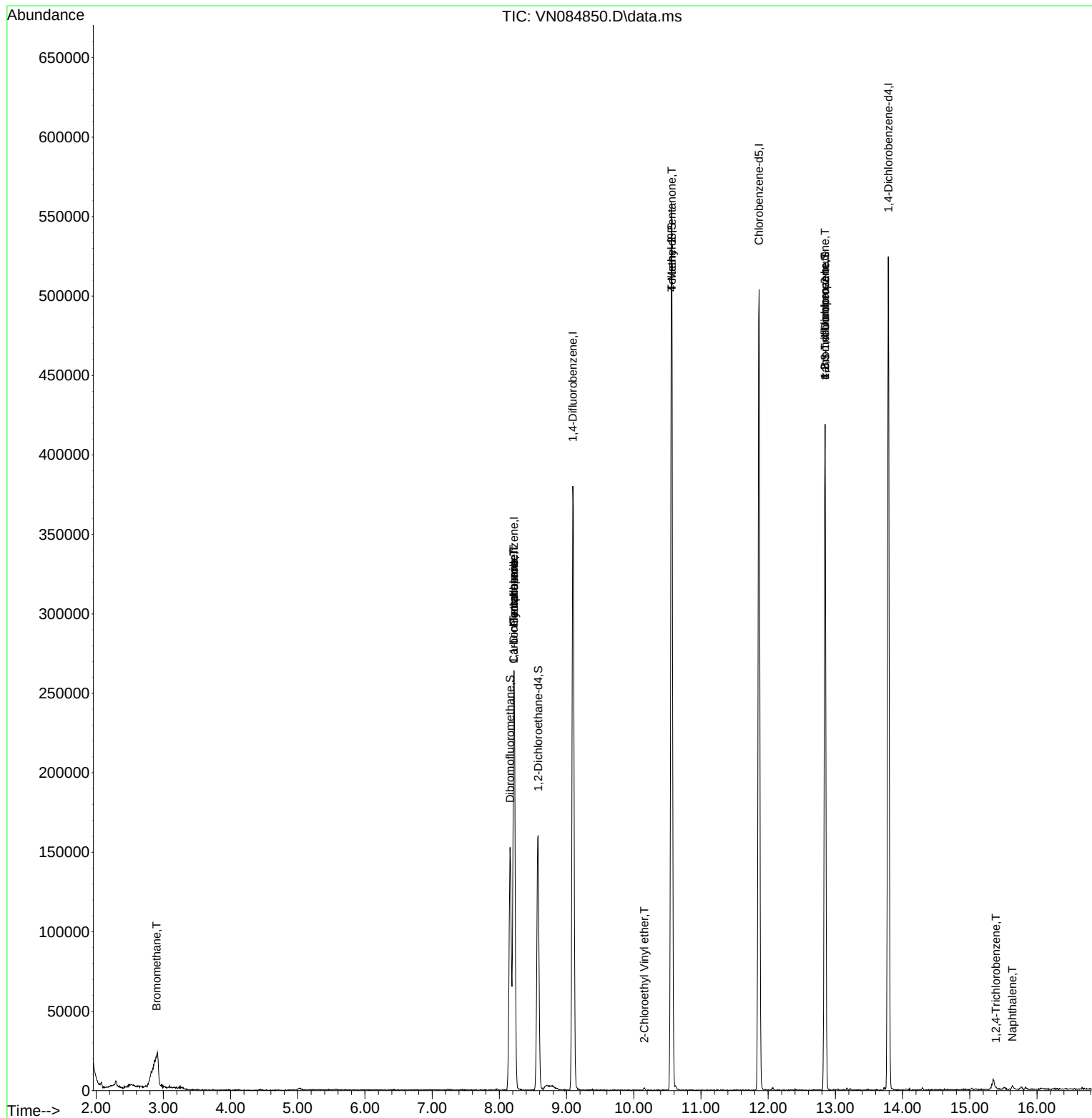
Internal Standards						
1) Pentafluorobenzene	8.218	168	192705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	332008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134380	48.281	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.560%
35) Dibromofluoromethane	8.159	113	110410	49.130	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.260%
50) Toluene-d8	10.565	98	387856	46.852	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.700%
62) 4-Bromofluorobenzene	12.847	95	149514	48.326	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	357	Below Cal	#	41
5) Bromomethane	2.900	94	417	0.330	ug/l #	4
6) Chloroethane	3.136	64	62	Below Cal	#	45
18) Methyl Acetate	5.018	43	1409	Below Cal	#	89
31) Cyclohexane	8.218	56	3903	1.016	ug/l #	1
36) 1,1-Dichloropropene	8.212	75	15374	4.933	ug/l #	50
38) Carbon Tetrachloride	8.212	117	20202	5.799	ug/l #	15
43) Isopropyl Acetate	8.700	43	2914	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.565	43	1538	0.571	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.159	63	890	0.596	ug/l #	61
76) 1,2,3-Trichloropropane	12.847	75	76574	27.317	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76574	64.806	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	1136	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	15.388	180	687	0.253	ug/l #	81
95) Naphthalene	15.635	128	3268	0.403	ug/l #	85

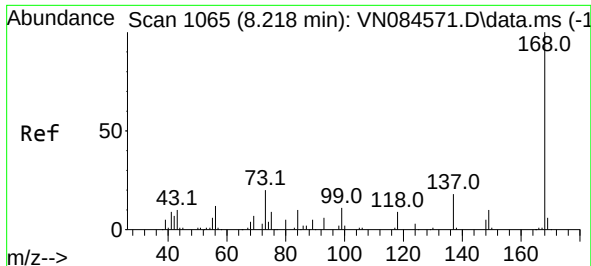
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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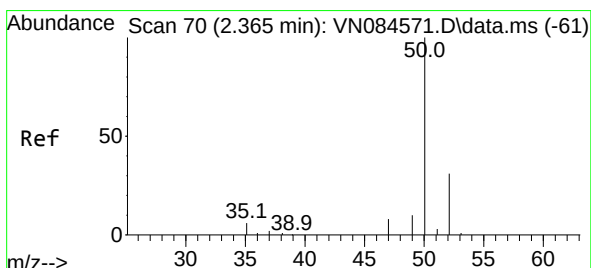
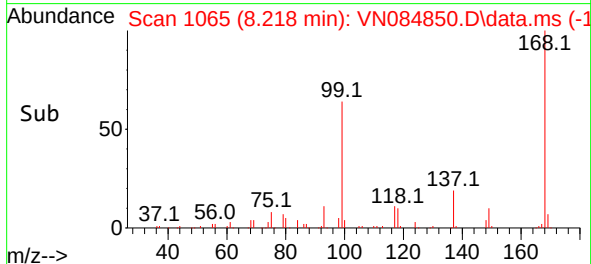
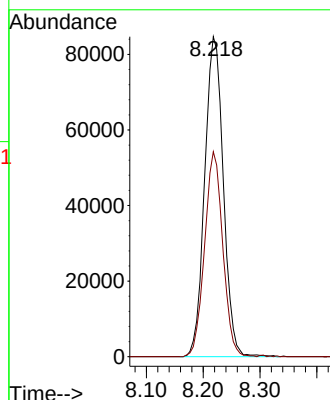
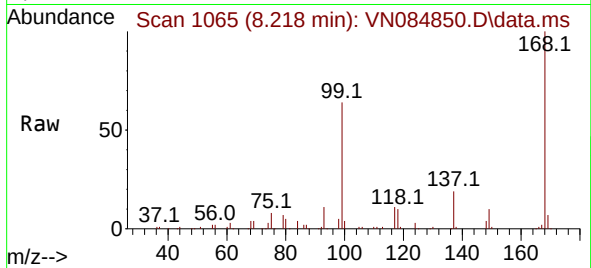




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

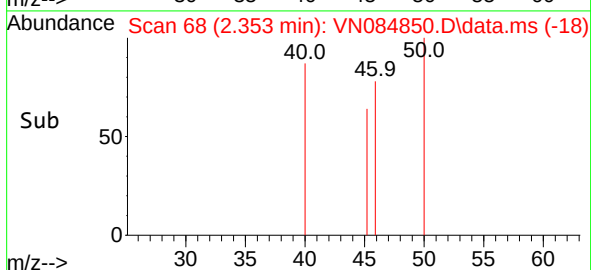
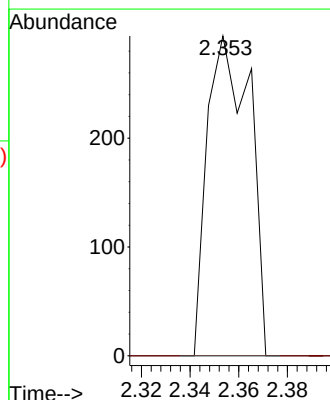
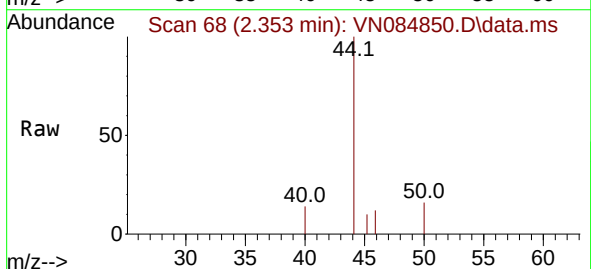
Instrument :
MSVOA_N
ClientSampleId :

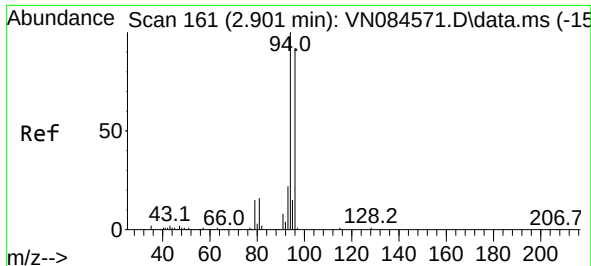
Tgt Ion:168 Resp: 192705
Ion Ratio Lower Upper
168 100
99 64.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

Tgt Ion: 50 Resp: 357
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

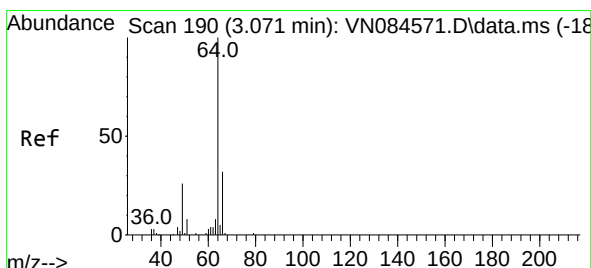
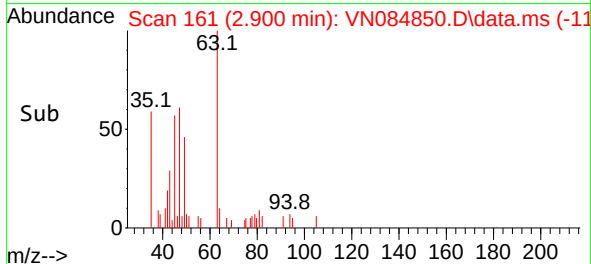
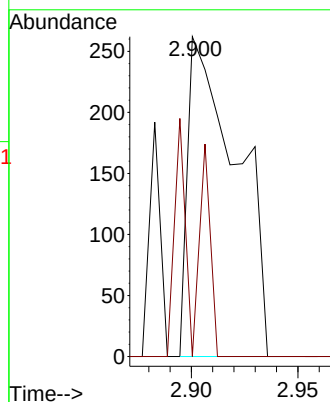
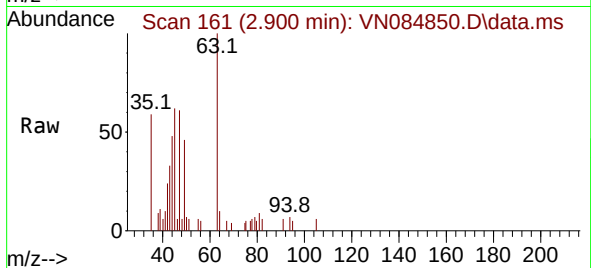




#5
Bromomethane
Concen: 0.330 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

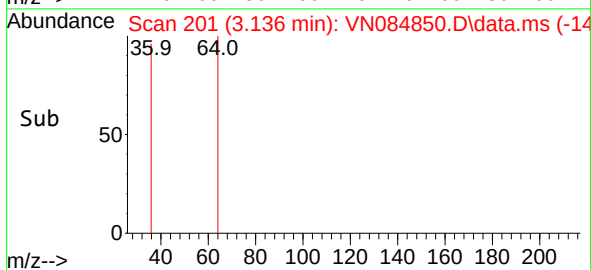
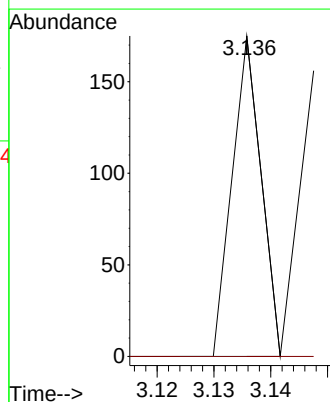
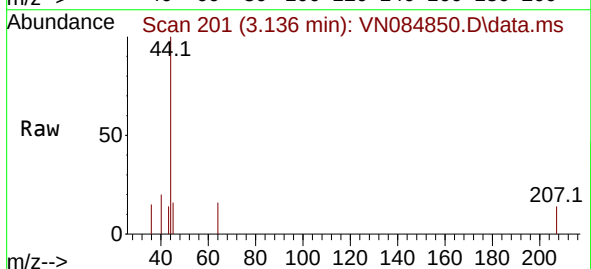
Instrument :
MSVOA_N
ClientSampleId :

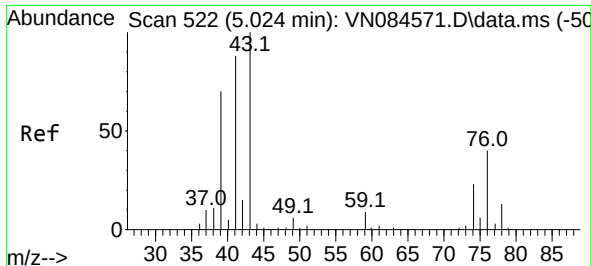
Tgt Ion: 94 Resp: 417
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

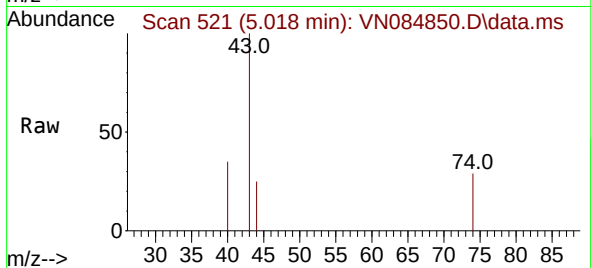
Tgt Ion: 64 Resp: 62
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



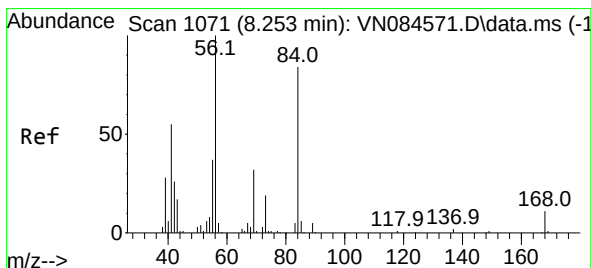
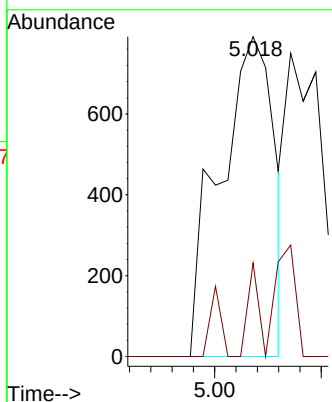
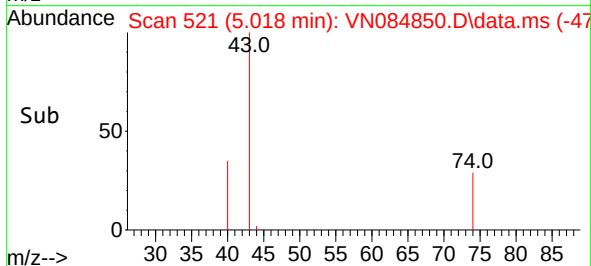


#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

Instrument :
MSVOA_N
ClientSampleId :

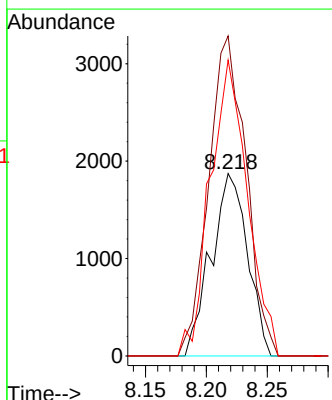
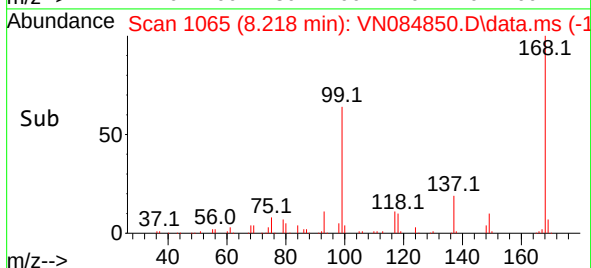
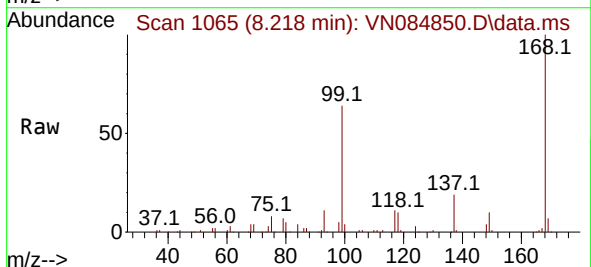


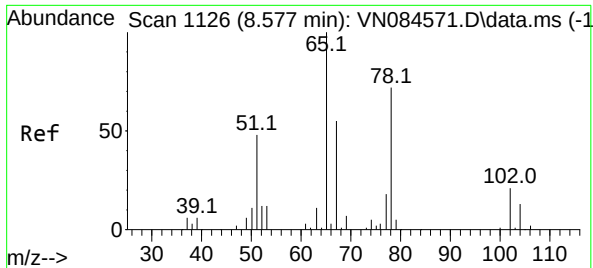
Tgt Ion: 43 Resp: 1409
Ion Ratio Lower Upper
43 100
74 18.6 19.2 28.8#



#31
Cyclohexane
Concen: 1.016 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

Tgt Ion: 56 Resp: 3903
Ion Ratio Lower Upper
56 100
69 175.5 23.8 35.6#
84 162.2 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.281 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084850.D

Acq: 14 Nov 2024 14:36

Instrument :

MSVOA_N

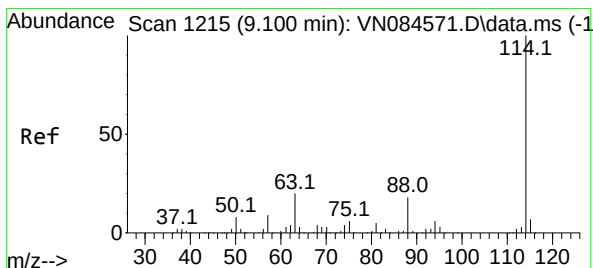
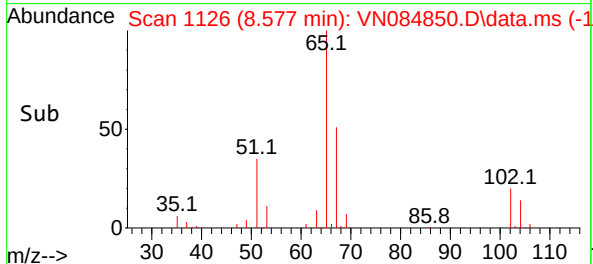
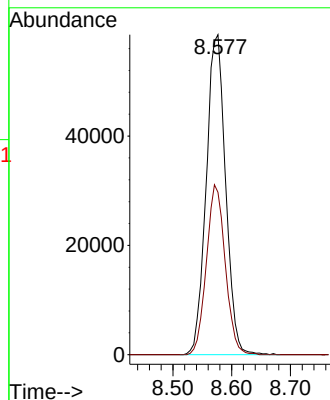
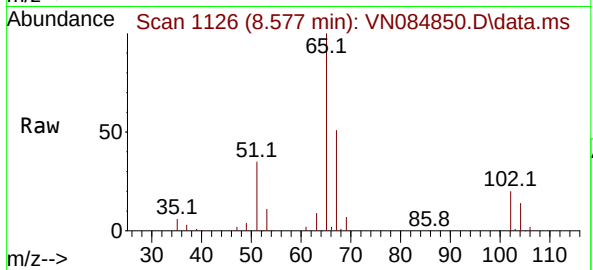
ClientSampleId :

Tgt Ion: 65 Resp: 134380

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN084850.D

Acq: 14 Nov 2024 14:36

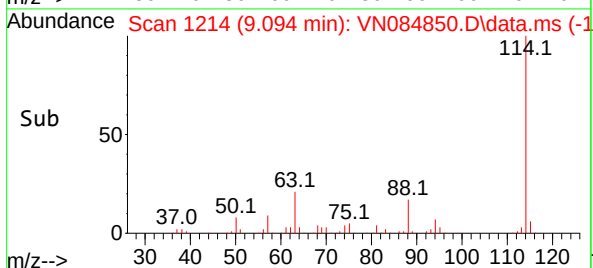
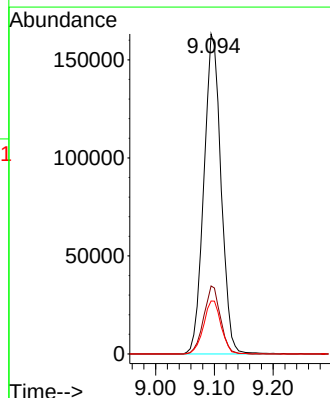
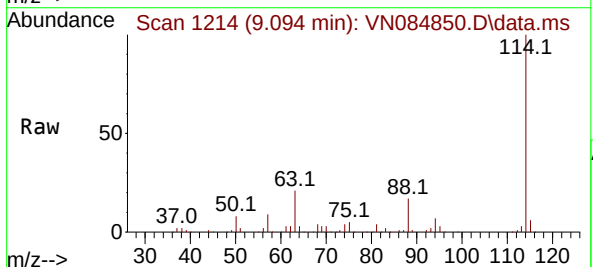
Tgt Ion: 114 Resp: 332008

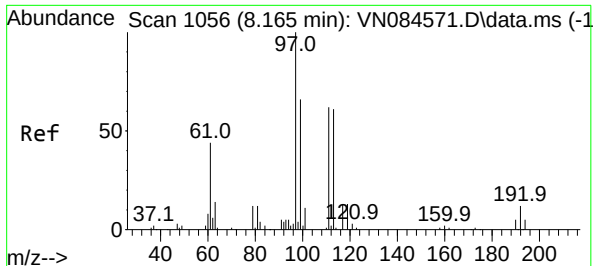
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.8

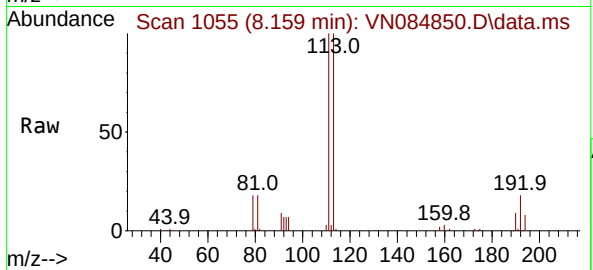
88 16.6 0.0 31.6



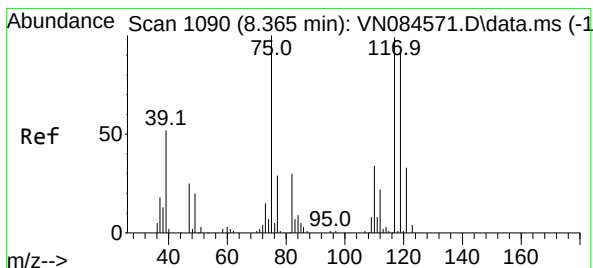
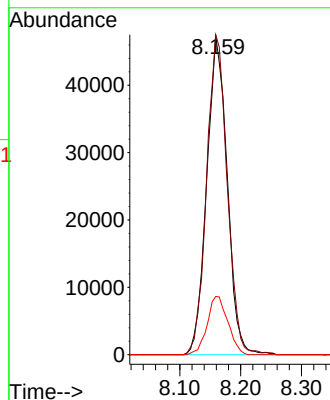
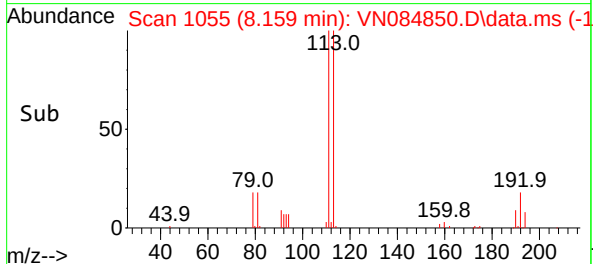


#35
Dibromofluoromethane
Concen: 49.130 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

Instrument :
MSVOA_N
ClientSampleId :

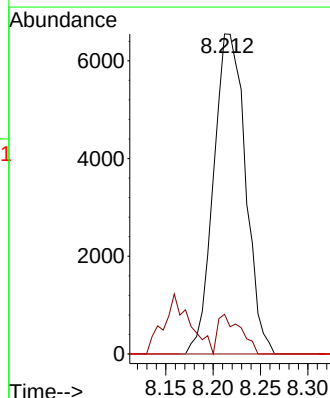
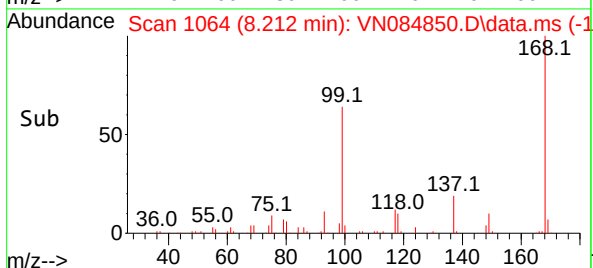
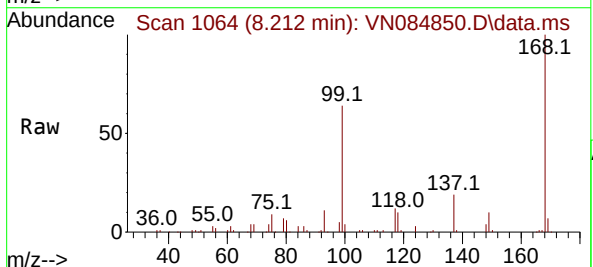


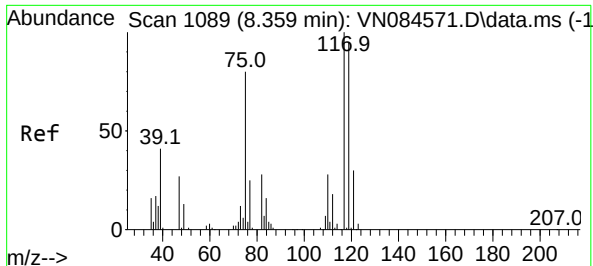
Tgt Ion:113 Resp: 110410
Ion Ratio Lower Upper
113 100
111 101.0 83.3 124.9
192 18.5 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.933 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.159 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

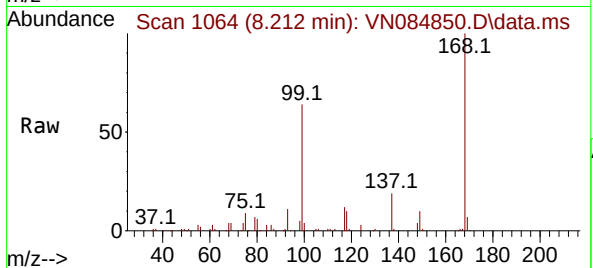
Tgt Ion: 75 Resp: 15374
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.7#
77 0.0 24.7 37.1#



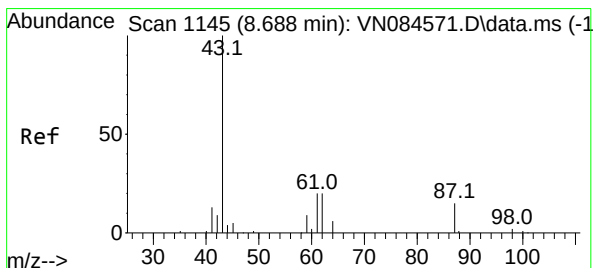
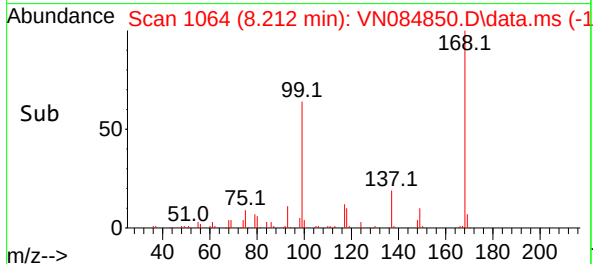
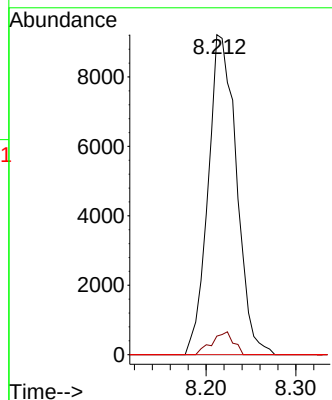


#38
Carbon Tetrachloride
Concen: 5.799 ug/l
RT: 8.212 min Scan# 1107
Delta R.T. -0.147 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

Instrument :
MSVOA_N
ClientSampleId :

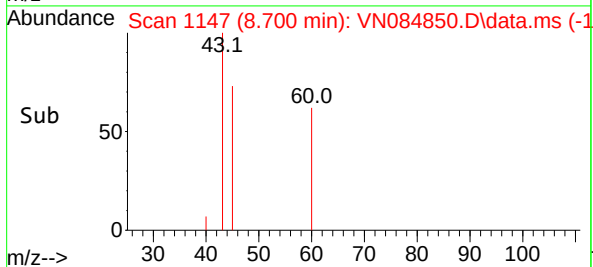
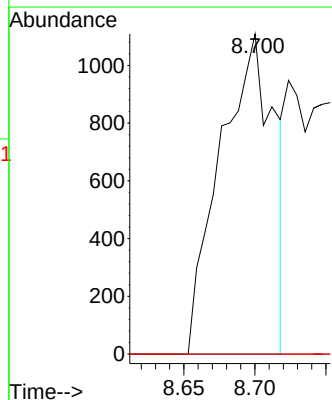
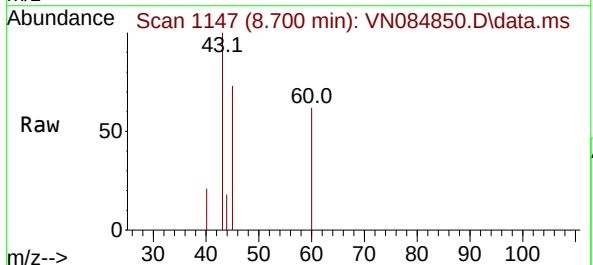


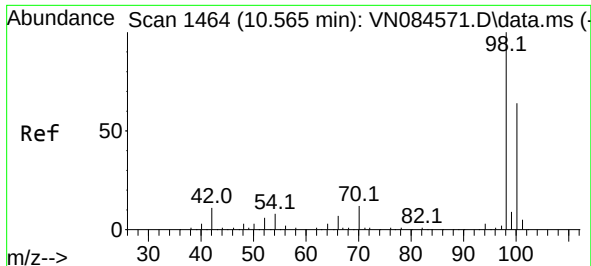
Tgt Ion:117 Resp: 20202
Ion Ratio Lower Upper
117 100
119 5.8 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.700 min Scan# 1147
Delta R.T. 0.012 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

Tgt Ion: 43 Resp: 2914
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#

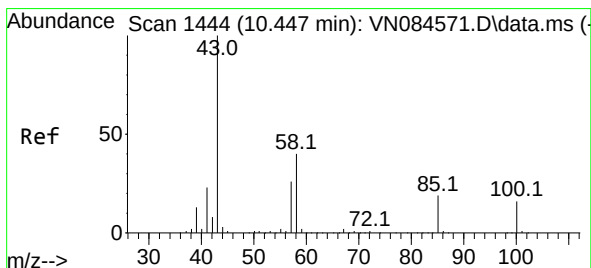
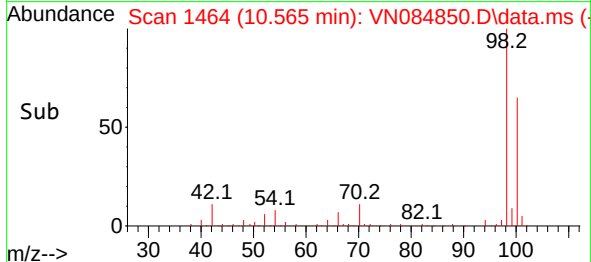
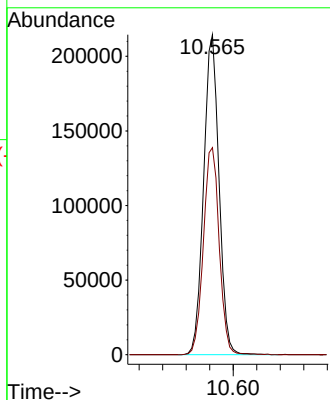
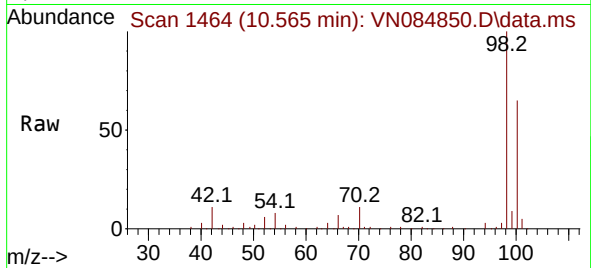




#50
Toluene-d8
Concen: 46.852 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

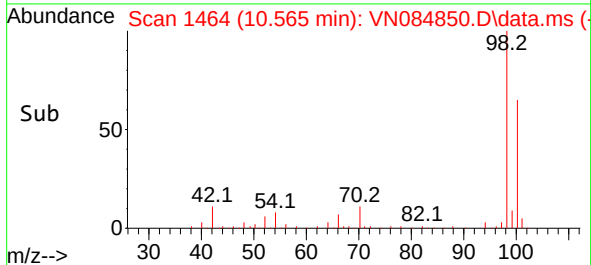
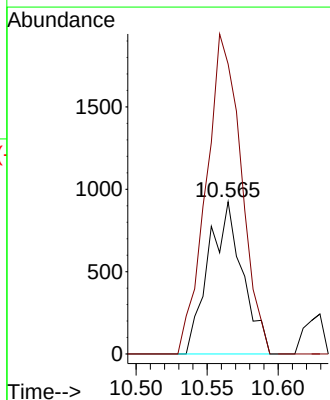
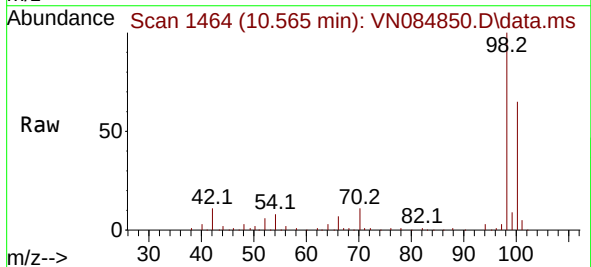
Instrument :
MSVOA_N
ClientSampleId :

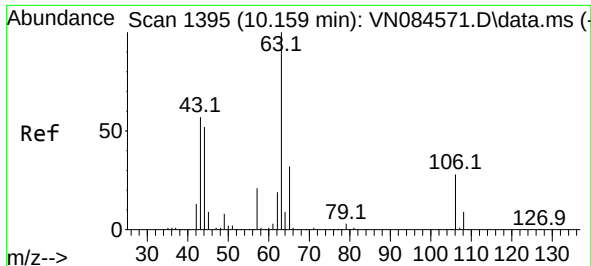
Tgt Ion: 98 Resp: 387856
Ion Ratio Lower Upper
98 100
100 66.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.571 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

Tgt Ion: 43 Resp: 1538
Ion Ratio Lower Upper
43 100
58 216.8 31.6 47.4#

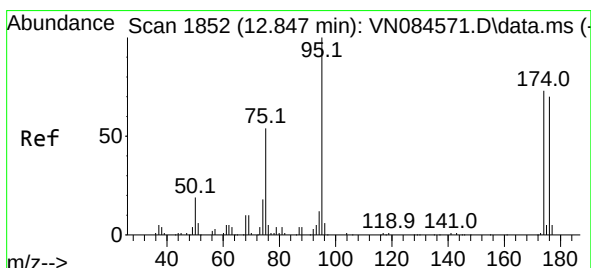
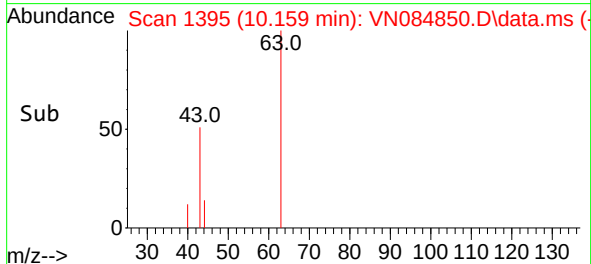
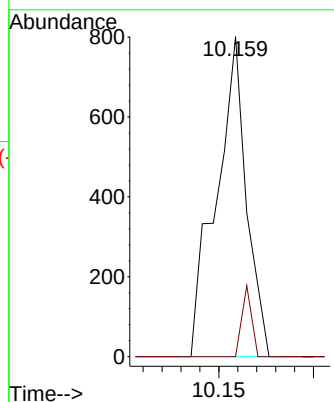
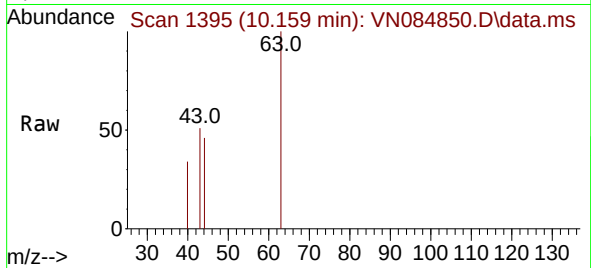




#58
2-Chloroethyl Vinyl ether
Concen: 0.596 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

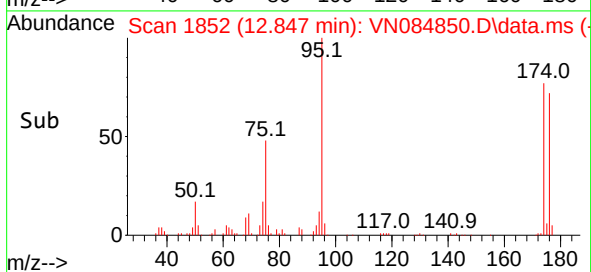
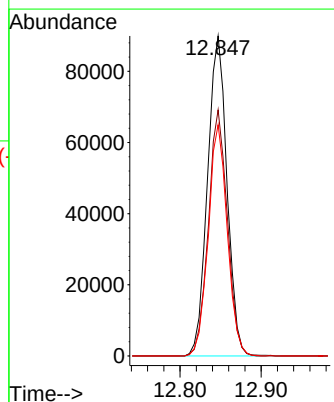
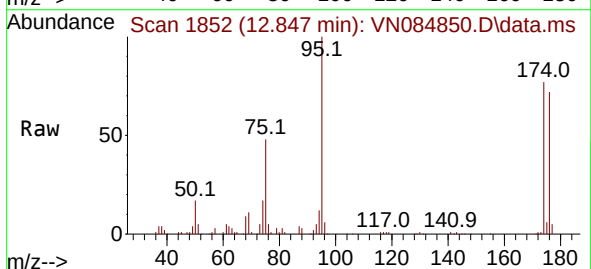
Instrument :
MSVOA_N
ClientSampleId :

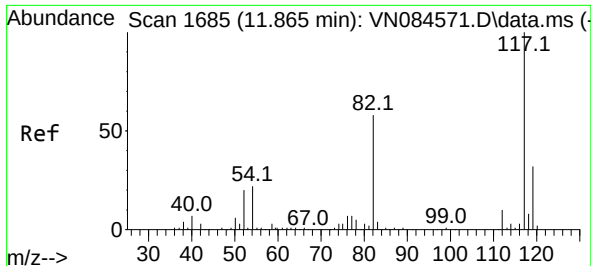
Tgt Ion: 63 Resp: 890
Ion Ratio Lower Upper
63 100
106 7.1 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 48.326 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

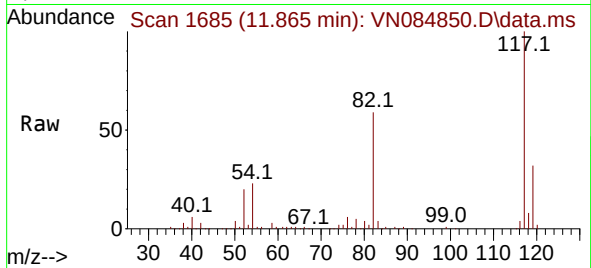
Tgt Ion: 95 Resp: 149514
Ion Ratio Lower Upper
95 100
174 75.4 0.0 145.2
176 70.5 0.0 140.0



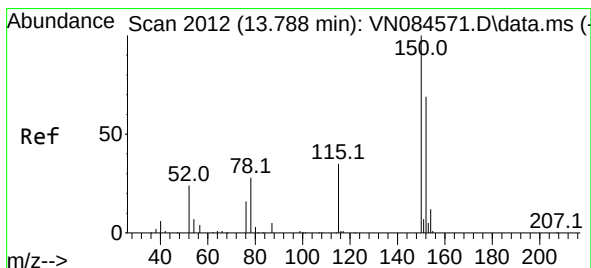
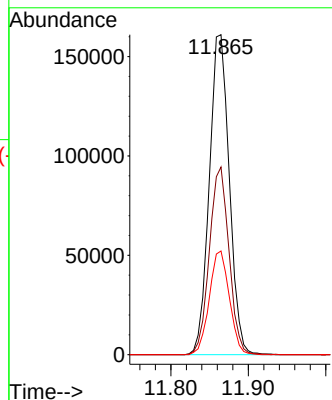
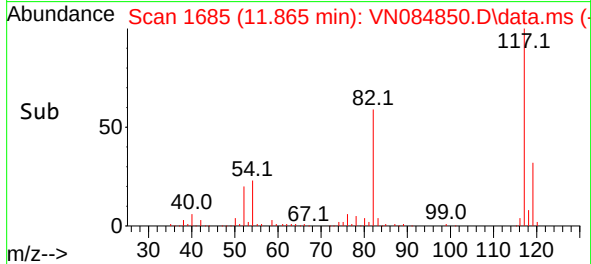


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

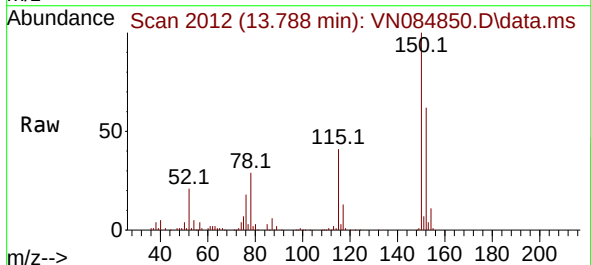
Instrument :
MSVOA_N
ClientSampleId :



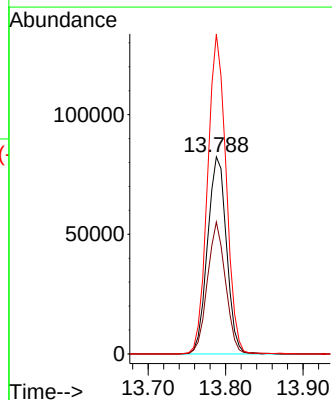
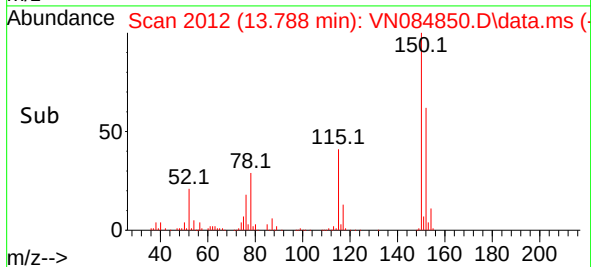
Tgt Ion:117 Resp: 288851
Ion Ratio Lower Upper
117 100
82 58.6 47.2 70.8
119 32.4 25.4 38.0

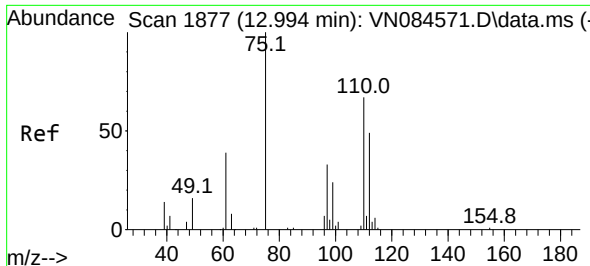


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36



Tgt Ion:152 Resp: 140233
Ion Ratio Lower Upper
152 100
115 63.9 31.3 93.9
150 157.8 0.0 349.8

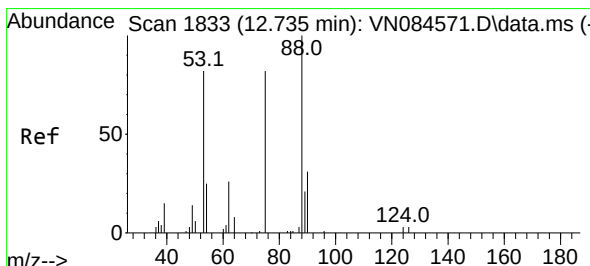
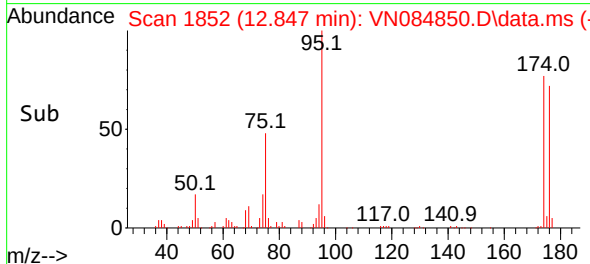
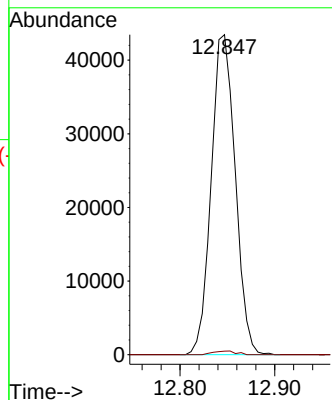
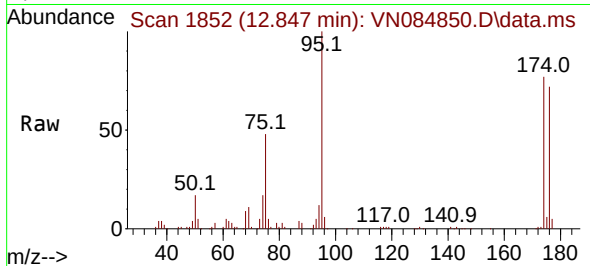




#76
1,2,3-Trichloropropane
Concen: 27.317 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

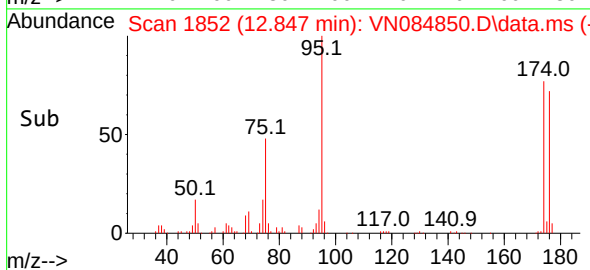
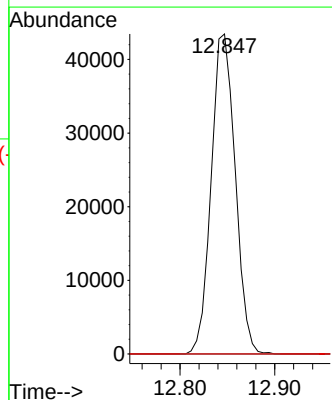
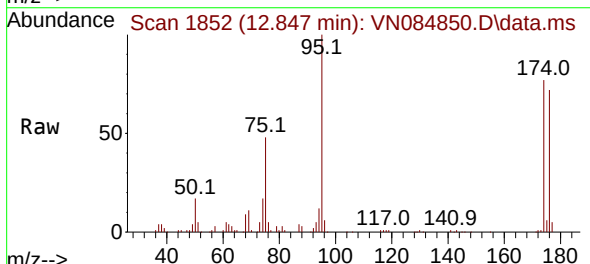
Instrument :
MSVOA_N
ClientSampleId :

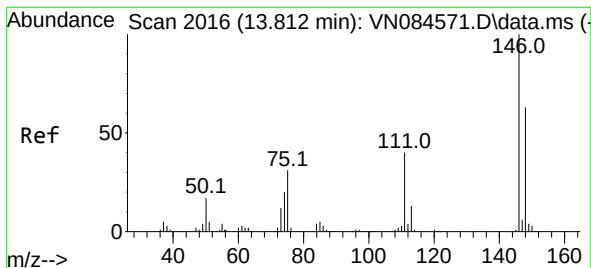
Tgt Ion: 75 Resp: 76574
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.806 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

Tgt Ion: 75 Resp: 76574
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.806 min Scan# 2016

Delta R.T. -0.006 min

Lab File: VN084850.D

Acq: 14 Nov 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :

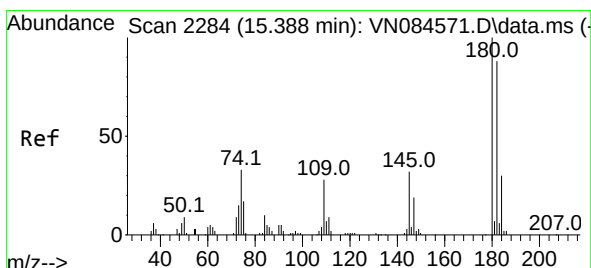
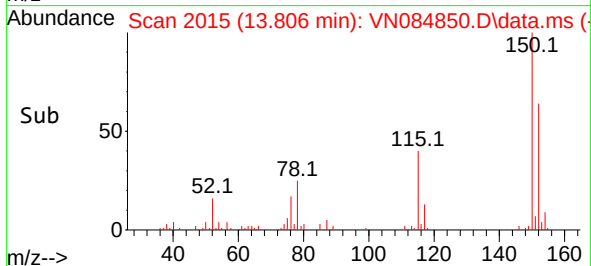
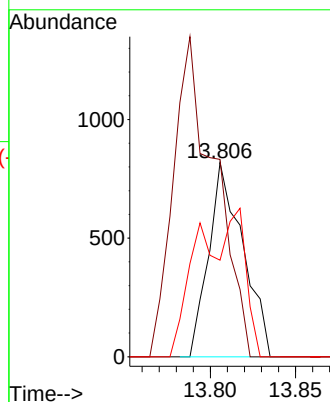
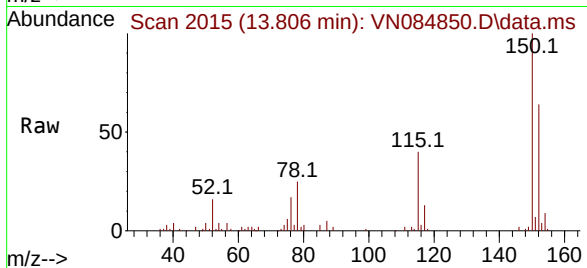
Tgt Ion:146 Resp: 1136

Ion Ratio Lower Upper

146 100

111 201.8 21.2 63.6#

148 60.7 31.9 95.9



#93

1,2,4-Trichlorobenzene

Concen: 0.253 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN084850.D

Acq: 14 Nov 2024 14:36

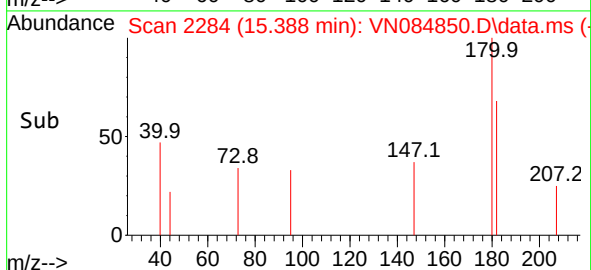
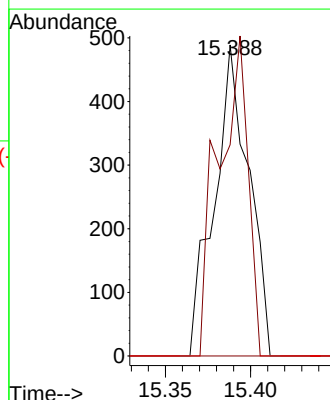
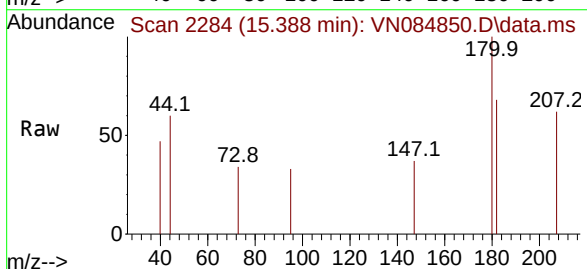
Tgt Ion:180 Resp: 687

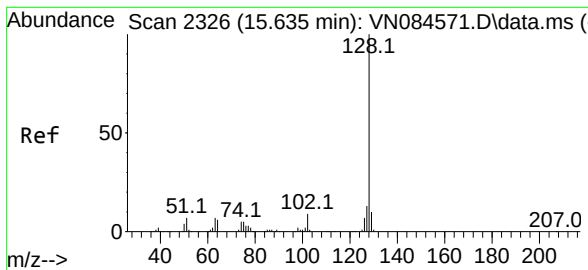
Ion Ratio Lower Upper

180 100

182 88.4 47.0 141.0

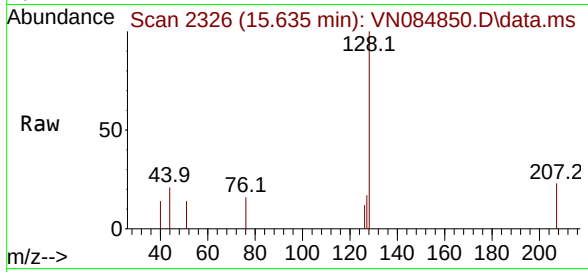
145 0.0 16.4 49.4#





#95
Naphthalene
Concen: 0.403 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN084850.D
Acq: 14 Nov 2024 14:36

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	3268
Ion	Ratio	Lower	Upper
128	100		
127	7.8	10.5	15.7#
129	4.5	8.7	13.1#

