

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
 Data File : VN084905.D
 Acq On : 17 Nov 2024 19:13
 Operator : JC\MD
 Sample : P4845-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 00:25:49 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)

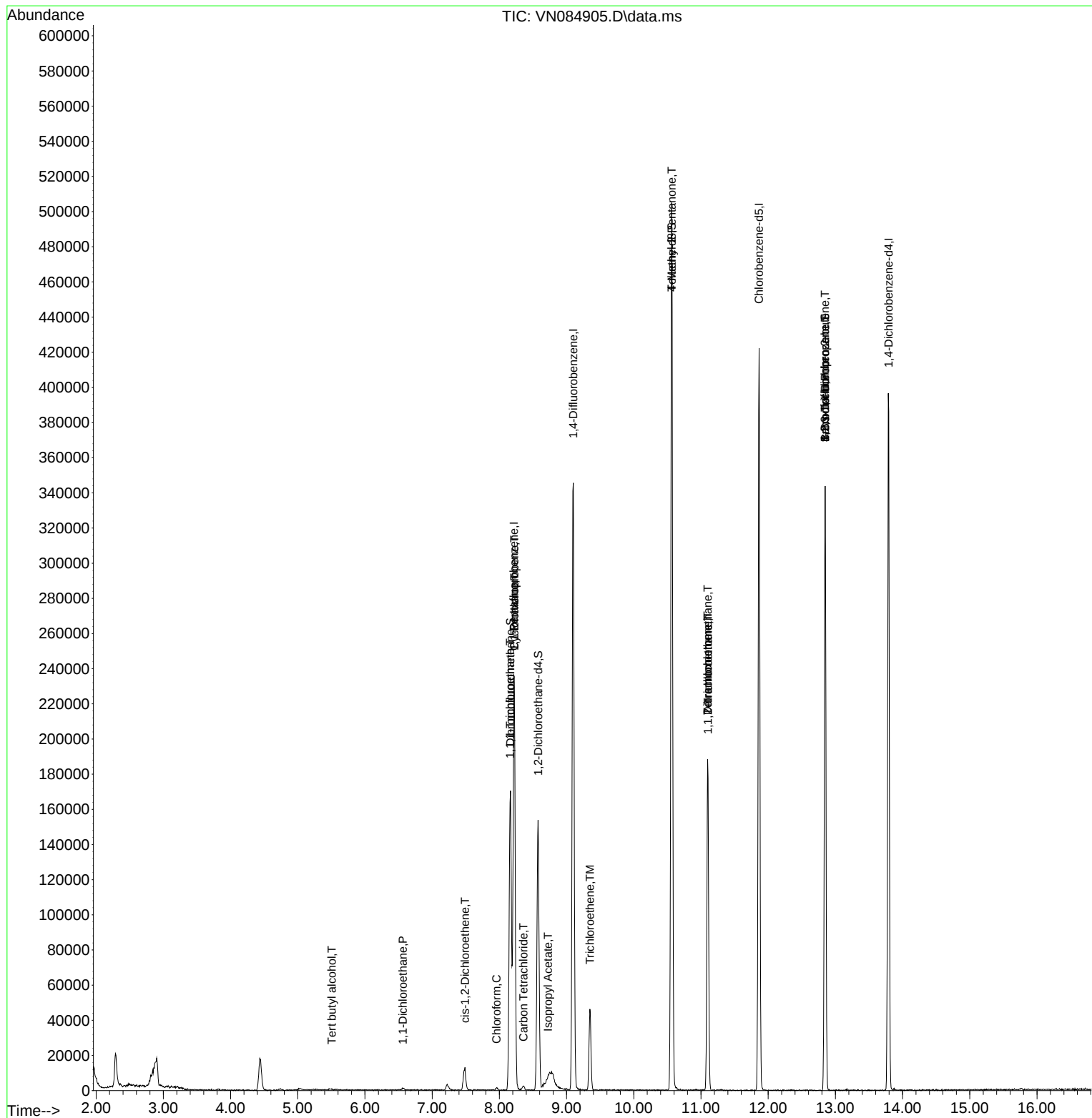
Internal Standards						
1) Pentafluorobenzene	8.218	168	164784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	243742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	125745	52.833	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	=	105.660%	
35) Dibromofluoromethane	8.165	113	101862	50.614	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	=	101.220%	
50) Toluene-d8	10.564	98	347430	46.865	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	=	93.720%	
62) 4-Bromofluorobenzene	12.847	95	119533	43.142	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	=	86.280%	
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	664	Below Cal	#	41
6) Chloroethane	3.147	64	470	Below Cal	#	45
11) Tert butyl alcohol	5.506	59	213	0.678	ug/l #	73
16) Acetone	4.447	43	1542	Below Cal	#	87
18) Methyl Acetate	5.030	43	1801	Below Cal	#	57
24) 1,1-Dichloroethane	6.565	63	1879	0.518	ug/l #	83
27) cis-1,2-Dichloroethene	7.488	96	7520	3.342	ug/l	92
30) Chloroform	7.959	83	1335	0.361	ug/l #	65
31) Cyclohexane	8.223	56	3834	1.167	ug/l #	13
32) 1,1,1-Trichloroethane	8.159	97	24564	7.304	ug/l	91
36) 1,1-Dichloropropene	8.223	75	14083	5.046	ug/l #	51
38) Carbon Tetrachloride	8.359	117	1986	0.637	ug/l	87
43) Isopropyl Acetate	8.723	43	9791	1.150	ug/l #	56
44) Trichloroethene	9.347	130	16206	7.839	ug/l	98
51) 4-Methyl-2-Pentanone	10.564	43	1659	0.687	ug/l #	1
55) 1,1,2-Trichloroethane	11.106	97	450	0.228	ug/l #	1
60) Dibromochloromethane	11.100	129	42178	18.741	ug/l #	11
64) Tetrachloroethene	11.100	164	43396	26.766	ug/l	95
71) Bromoform	12.847	173	772	0.541	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	62383	28.965	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62383	68.717	ug/l #	11

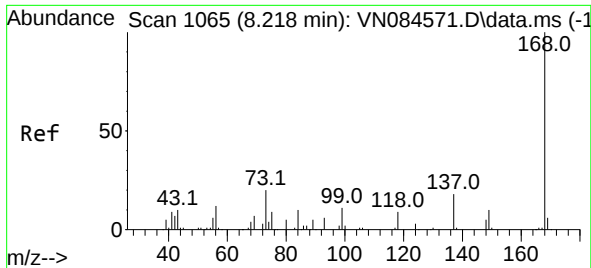
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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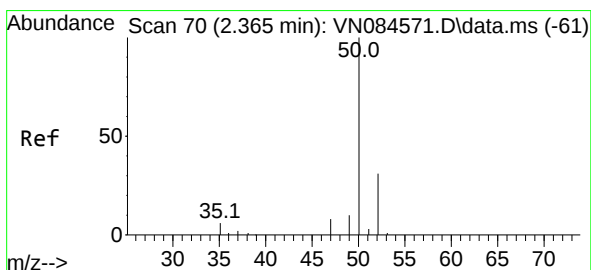
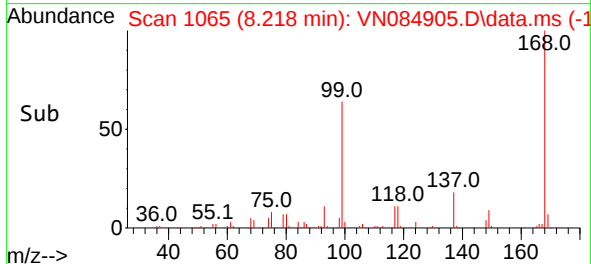
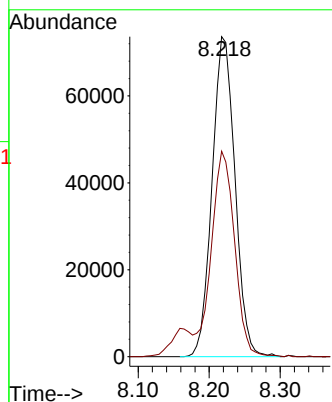
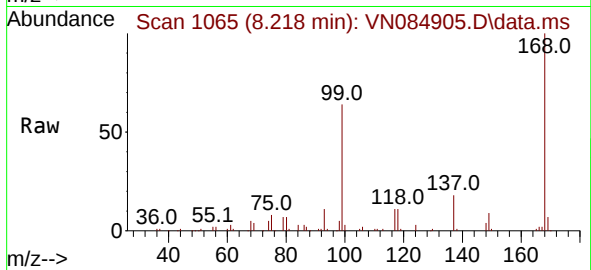




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

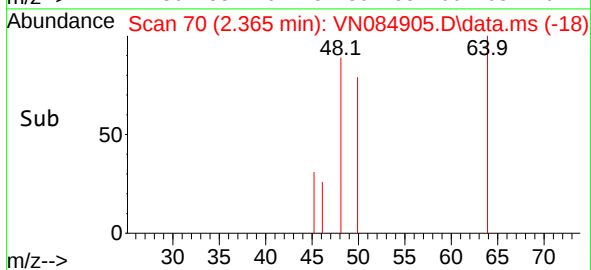
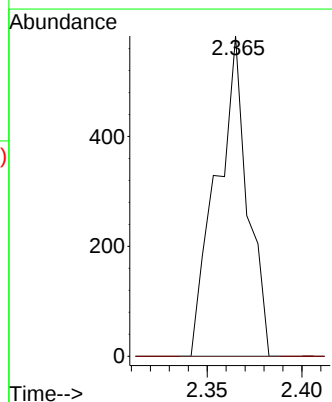
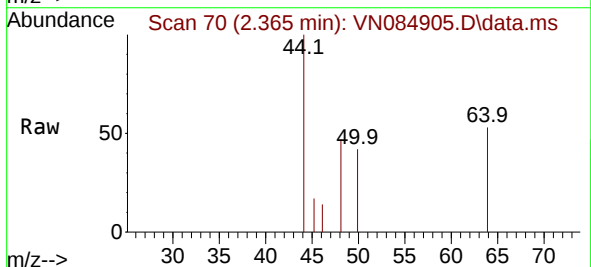
Instrument :
MSVOA_N
ClientSampleId :

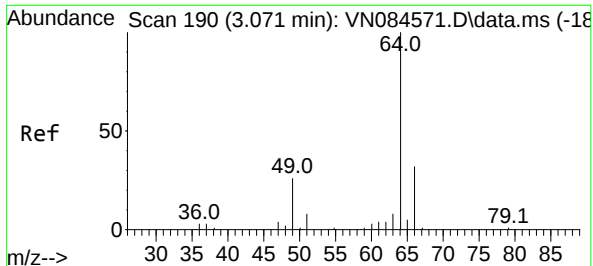
Tgt Ion:168 Resp: 164784
Ion Ratio Lower Upper
168 100
99 64.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

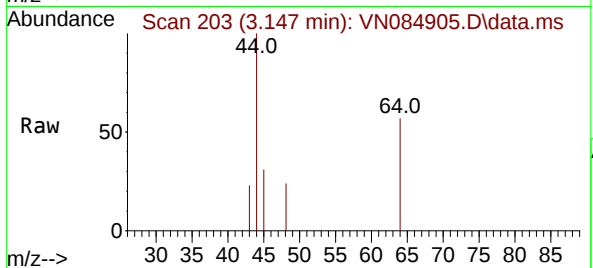
Tgt Ion: 50 Resp: 664
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



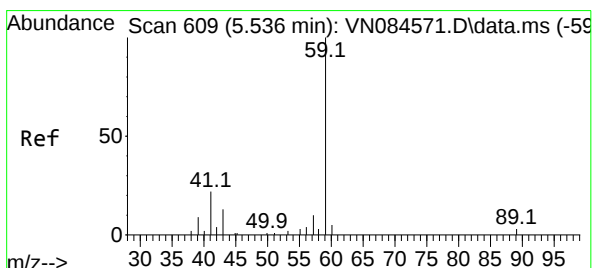
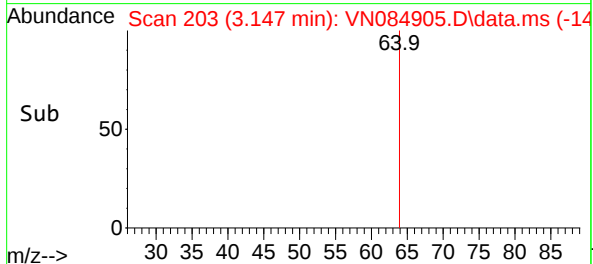
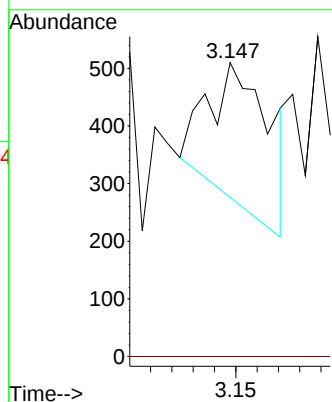


#6
Chloroethane
Concen: Below Cal
RT: 3.147 min Scan# 20
Delta R.T. 0.029 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :

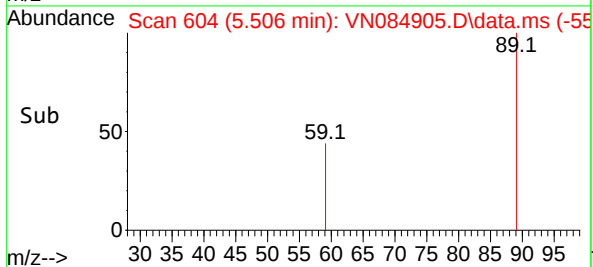
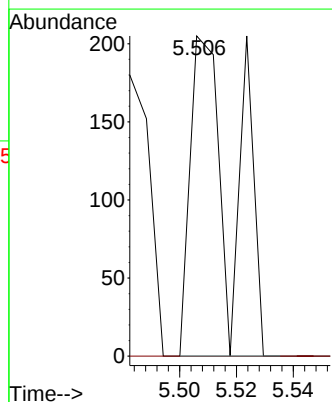
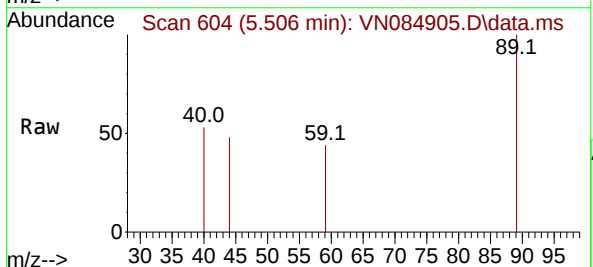


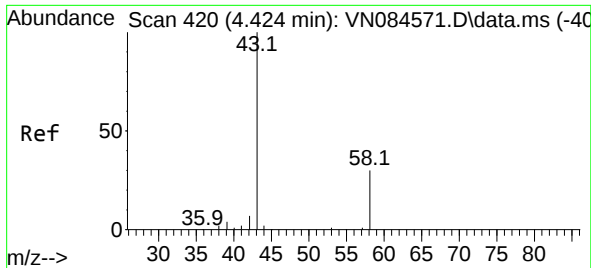
Tgt Ion: 64 Resp: 470
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.678 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

Tgt Ion: 59 Resp: 213
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: Below Cal

RT: 4.447 min Scan# 41

Delta R.T. 0.023 min

Lab File: VN084905.D

Acq: 17 Nov 2024 19:13

Instrument :

MSVOA_N

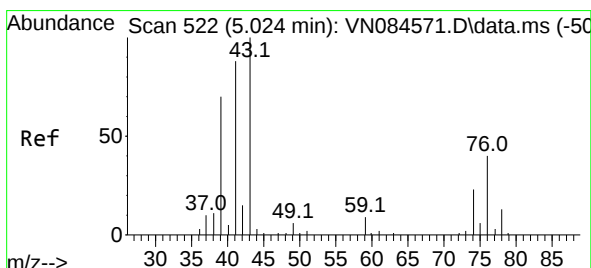
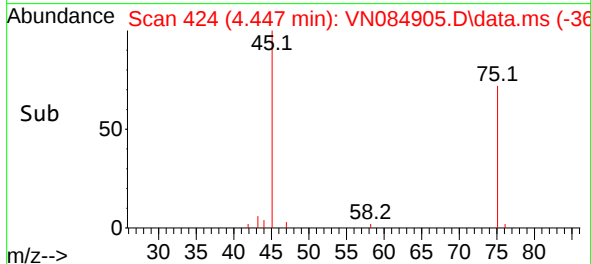
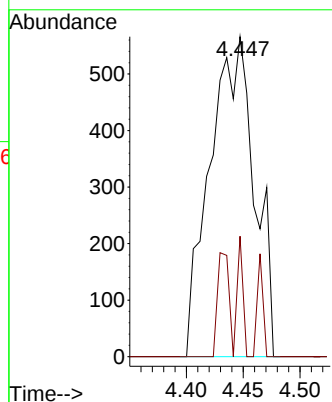
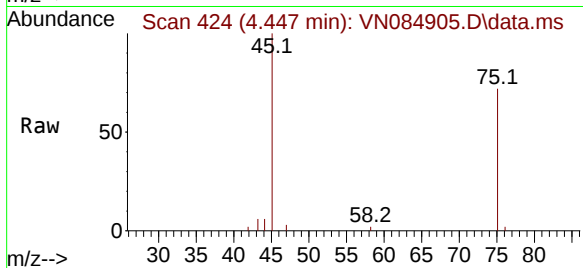
ClientSampleId :

Tgt Ion: 43 Resp: 1542

Ion Ratio Lower Upper

43 100

58 37.6 24.4 36.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.030 min Scan# 523

Delta R.T. 0.012 min

Lab File: VN084905.D

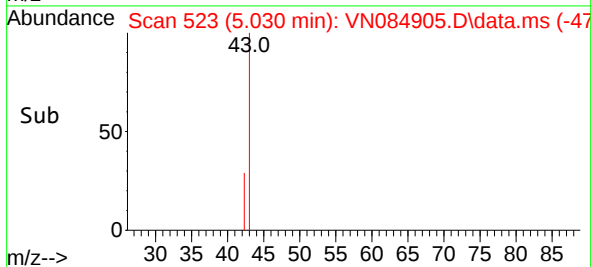
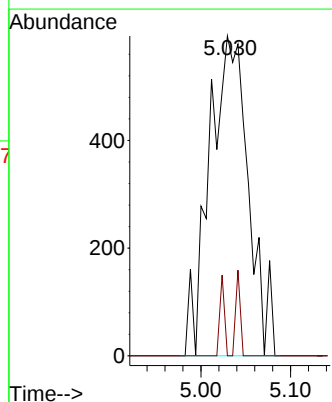
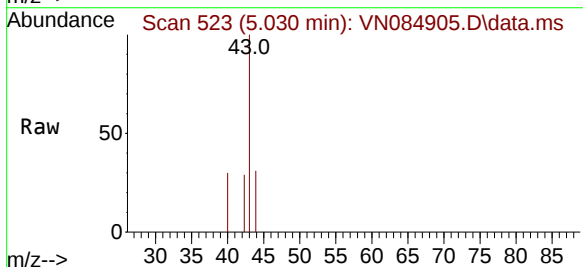
Acq: 17 Nov 2024 19:13

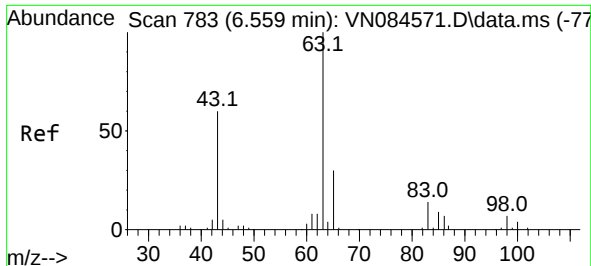
Tgt Ion: 43 Resp: 1801

Ion Ratio Lower Upper

43 100

74 2.9 19.2 28.8#

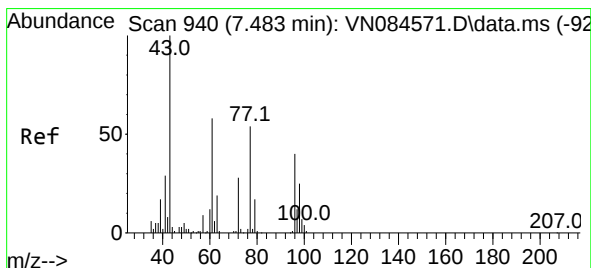
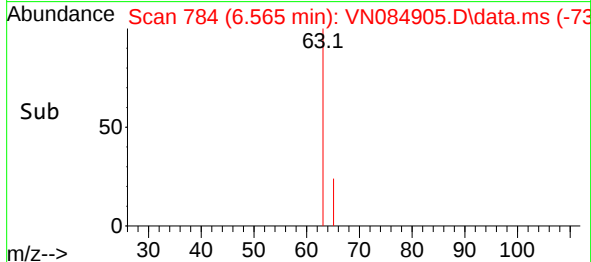
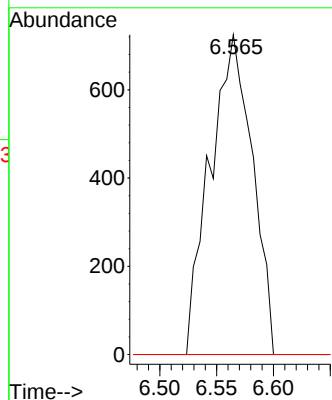
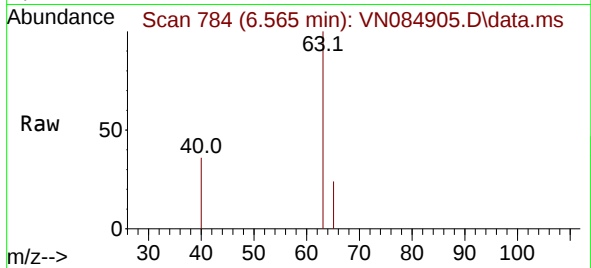




#24
1,1-Dichloroethane
Concen: 0.518 ug/l
RT: 6.565 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

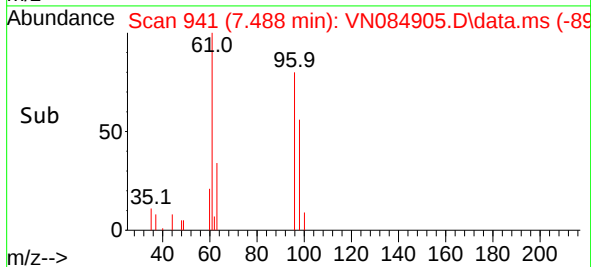
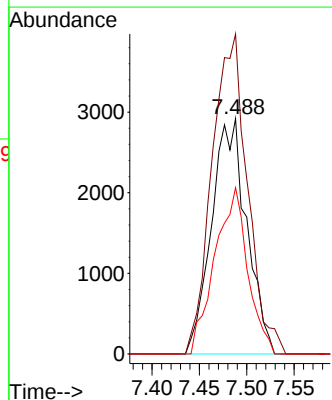
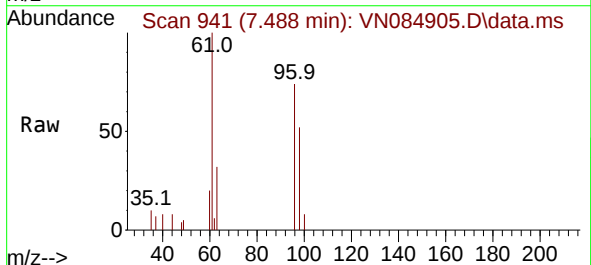
Instrument :
MSVOA_N
ClientSampleId :

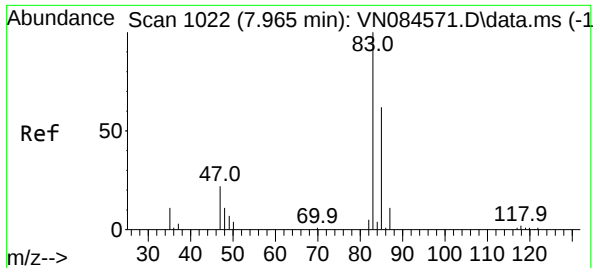
Tgt Ion: 63 Resp: 1879
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.0 5.8#



#27
cis-1,2-Dichloroethene
Concen: 3.342 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

Tgt Ion: 96 Resp: 7520
Ion Ratio Lower Upper
96 100
61 137.2 0.0 301.8
98 65.8 0.0 128.2

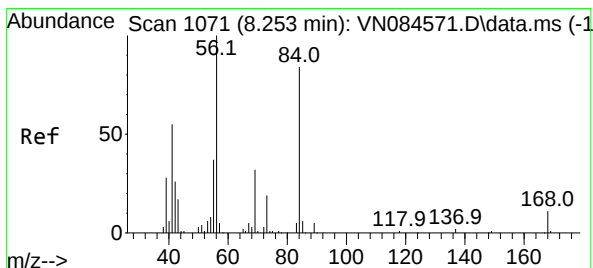
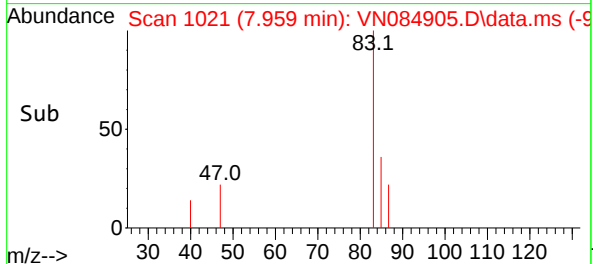
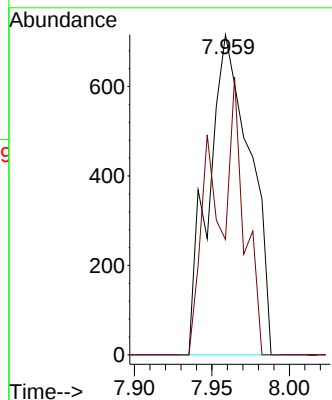
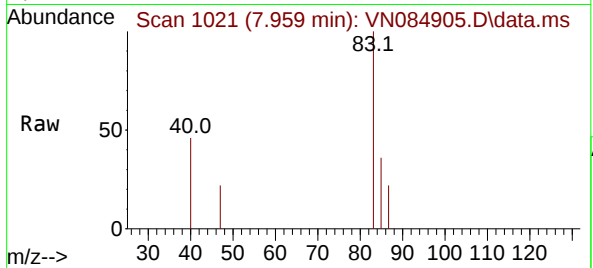




#30
Chloroform
Concen: 0.361 ug/l
RT: 7.959 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

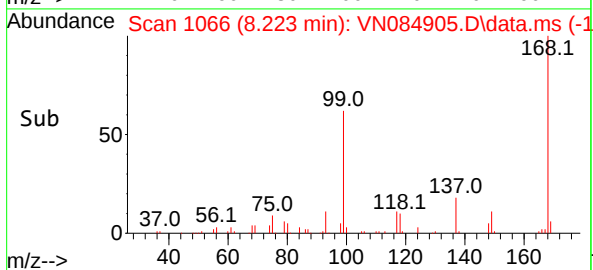
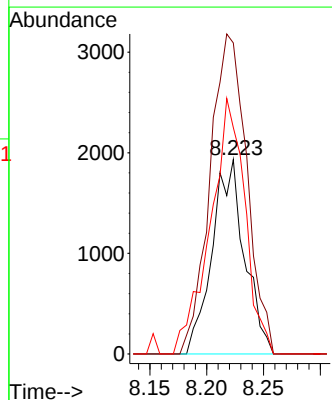
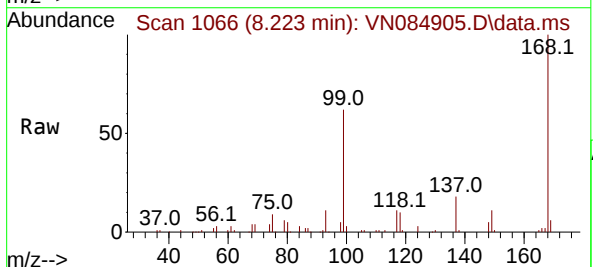
Instrument :
MSVOA_N
ClientSampleId :

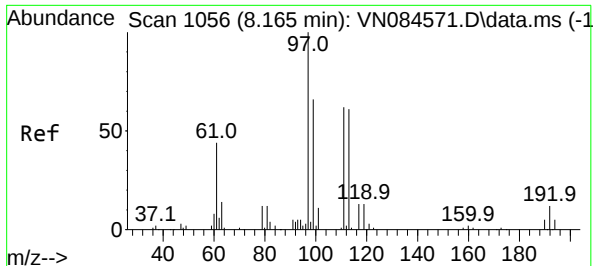
Tgt Ion: 83 Resp: 1335
Ion Ratio Lower Upper
83 100
85 36.0 51.0 76.4#



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

Tgt Ion: 56 Resp: 3834
Ion Ratio Lower Upper
56 100
69 160.0 23.8 35.6#
84 116.5 68.8 103.2#





#32

1,1,1-Trichloroethane

Concen: 7.304 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.012 min

Lab File: VN084905.D

Acq: 17 Nov 2024 19:13

Instrument :

MSVOA_N

ClientSampleId :

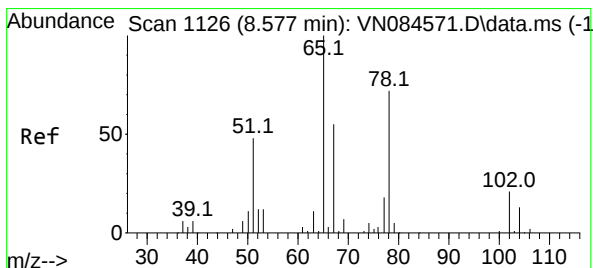
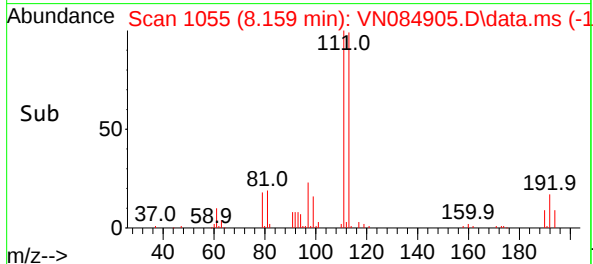
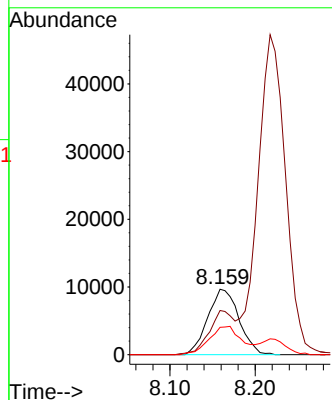
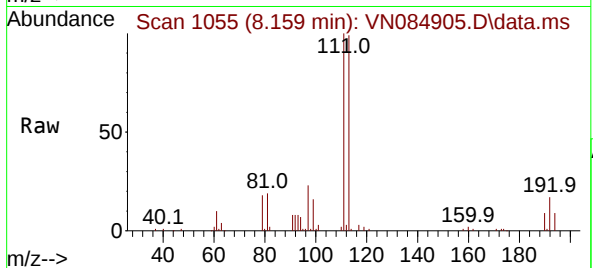
Tgt Ion: 97 Resp: 24564

Ion Ratio Lower Upper

97 100

99 53.6 51.2 76.8

61 45.5 37.5 56.3



#33

1,2-Dichloroethane-d4

Concen: 52.833 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.001 min

Lab File: VN084905.D

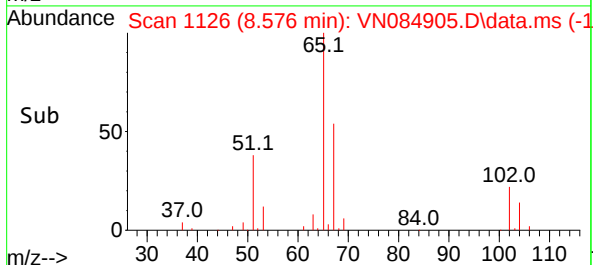
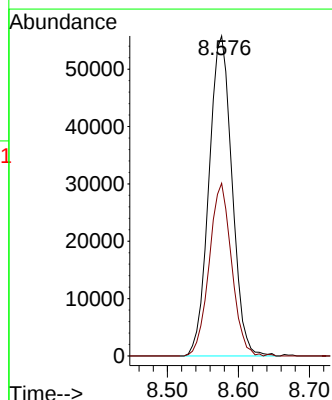
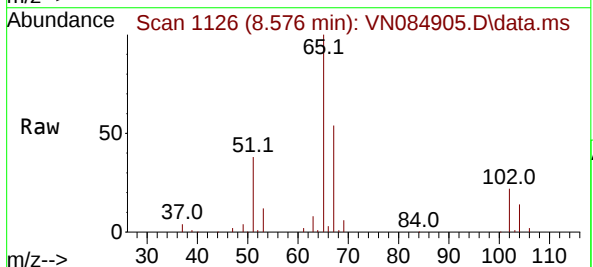
Acq: 17 Nov 2024 19:13

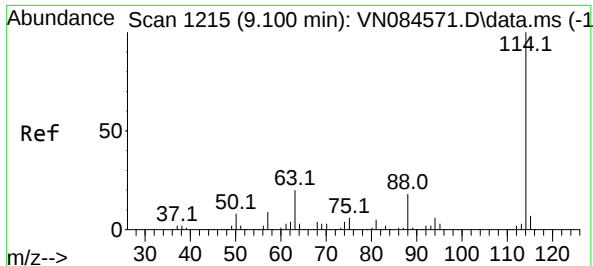
Tgt Ion: 65 Resp: 125745

Ion Ratio Lower Upper

65 100

67 52.3 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084905.D

Acq: 17 Nov 2024 19:13

Instrument :

MSVOA_N

ClientSampleId :

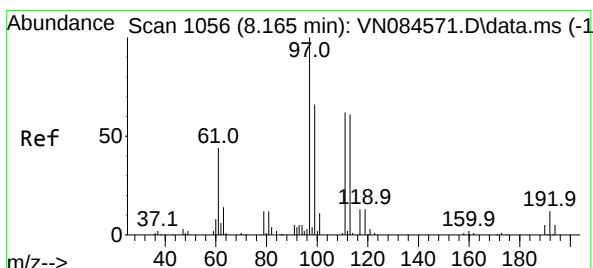
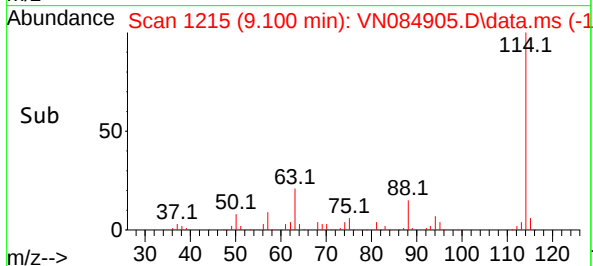
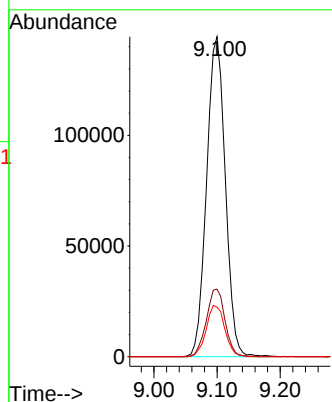
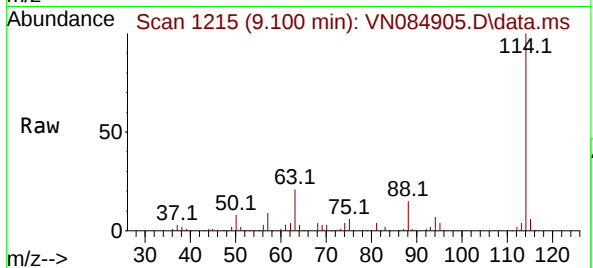
Tgt Ion:114 Resp: 297324

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.8

88 15.5 0.0 31.6



#35

Dibromofluoromethane

Concen: 50.614 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084905.D

Acq: 17 Nov 2024 19:13

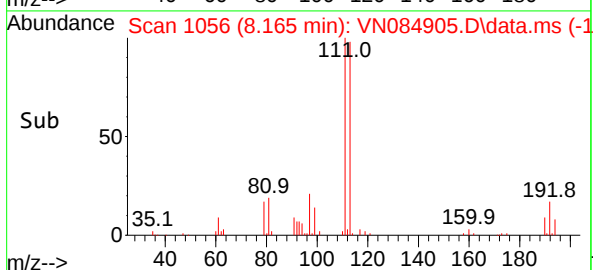
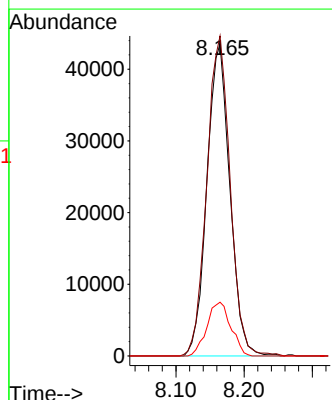
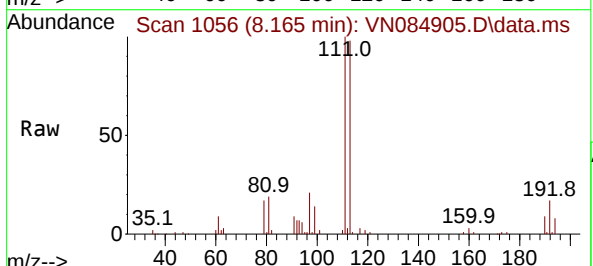
Tgt Ion:113 Resp: 101862

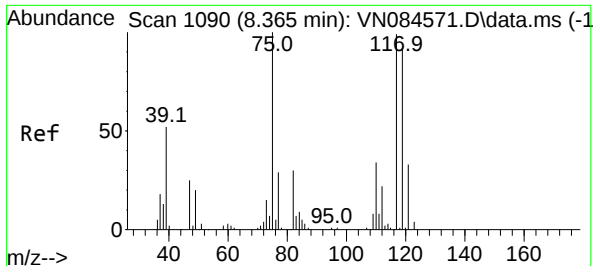
Ion Ratio Lower Upper

113 100

111 104.4 83.3 124.9

192 18.0 13.5 20.3

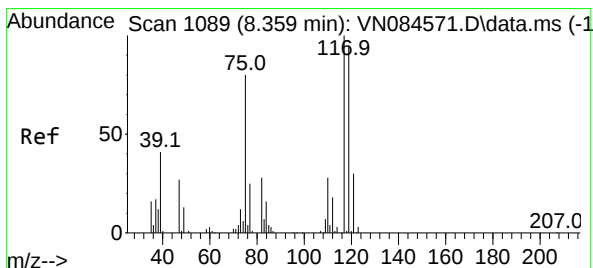
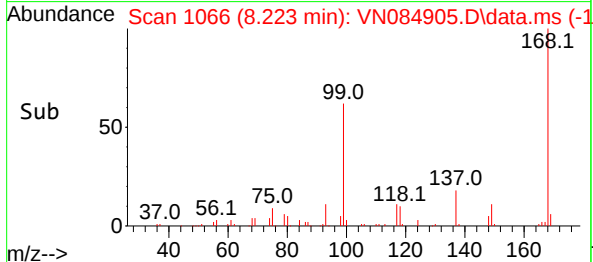
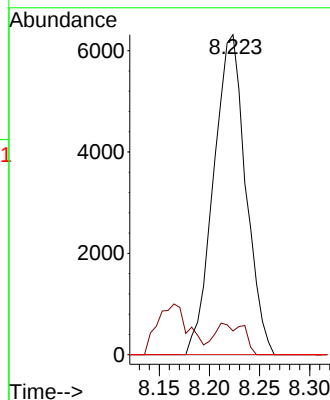
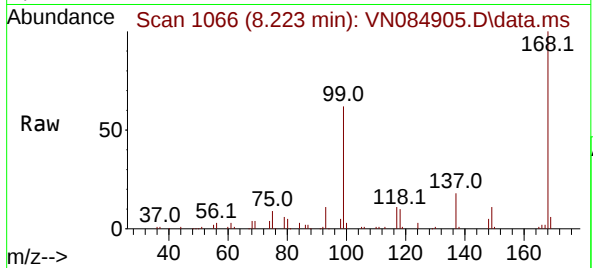




#36
1,1-Dichloropropene
Concen: 5.046 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

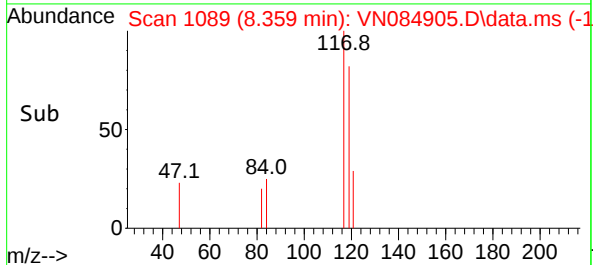
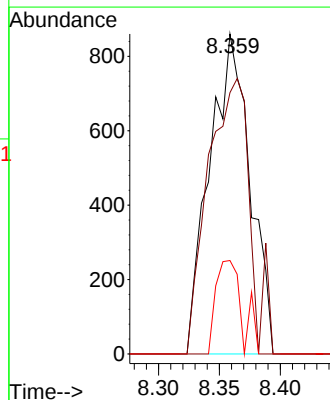
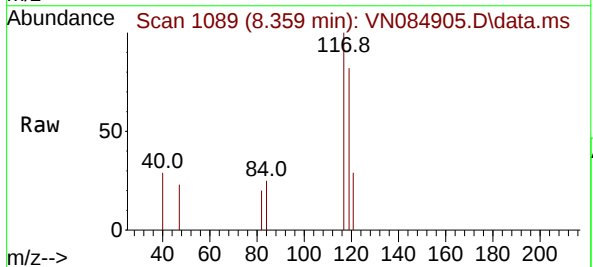
Instrument :
MSVOA_N
ClientSampleId :

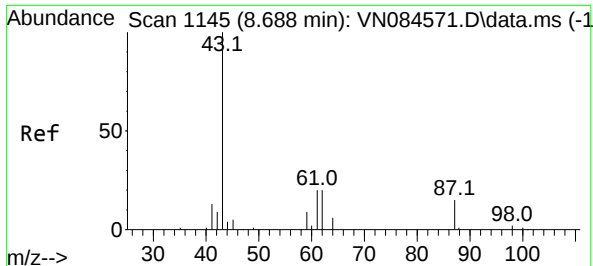
Tgt Ion: 75 Resp: 14083
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.7#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.637 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

Tgt Ion: 117 Resp: 1986
Ion Ratio Lower Upper
117 100
119 81.6 78.7 118.1
121 29.2 24.4 36.6

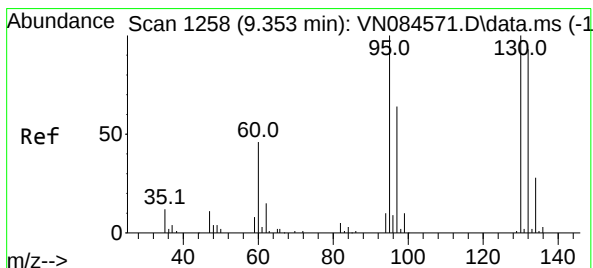
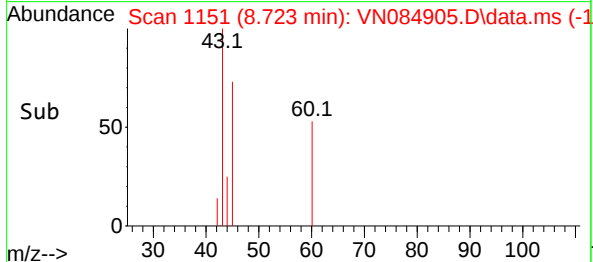
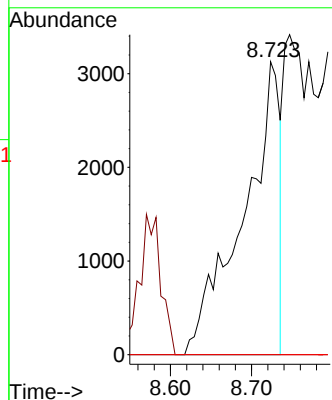
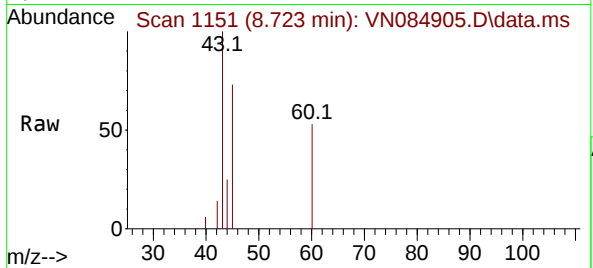




#43
Isopropyl Acetate
Concen: 1.150 ug/l
RT: 8.723 min Scan# 1151
Delta R.T. 0.035 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

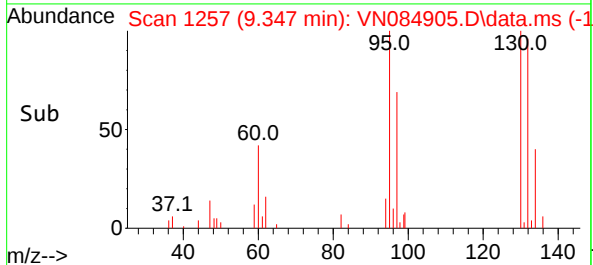
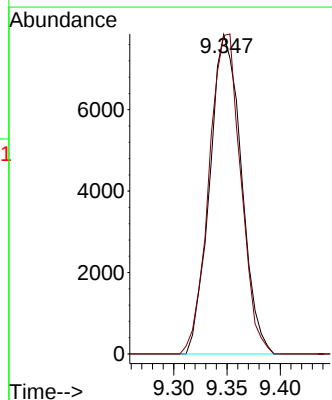
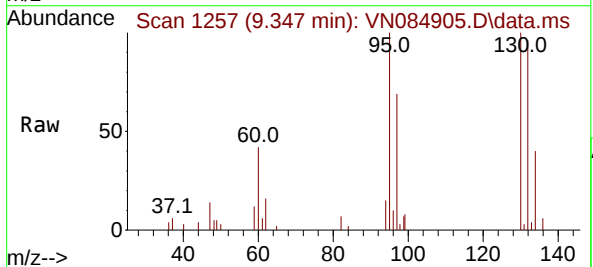
Instrument :
MSVOA_N
ClientSampleId :

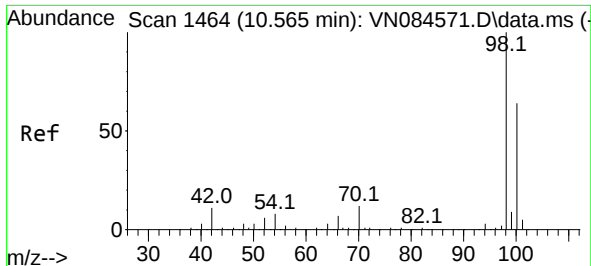
Tgt Ion: 43 Resp: 9791
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#



#44
Trichloroethene
Concen: 7.839 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

Tgt Ion:130 Resp: 16206
Ion Ratio Lower Upper
130 100
95 99.7 0.0 203.0

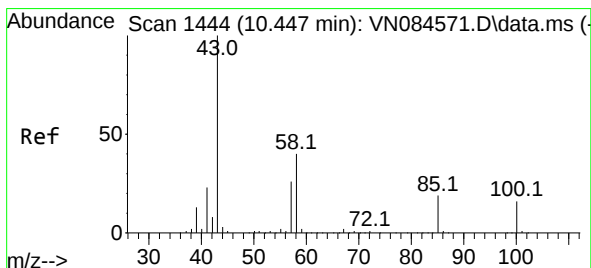
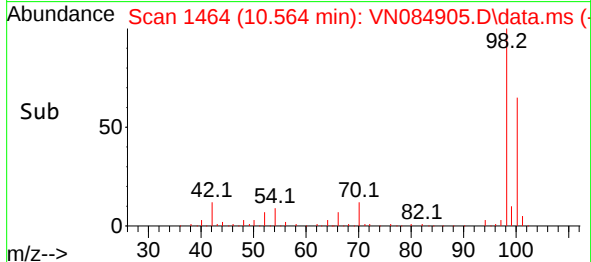
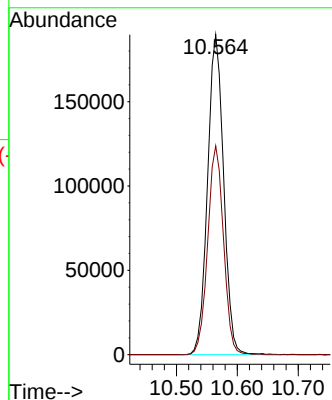
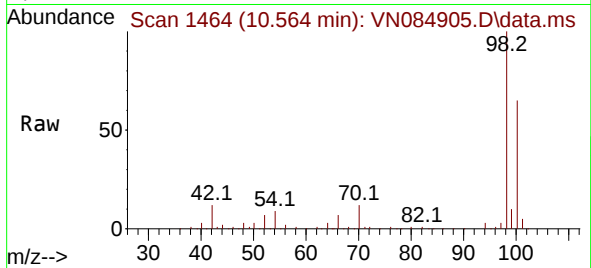




#50
Toluene-d8
Concen: 46.865 ug/l
RT: 10.564 min Scan# 1464
Delta R.T. -0.001 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

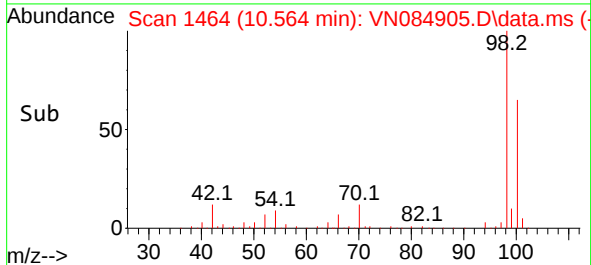
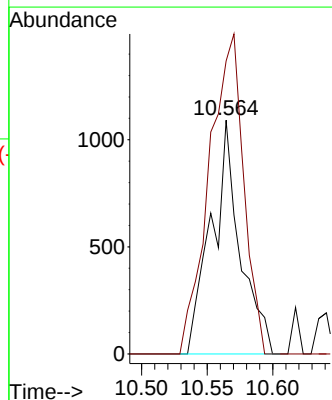
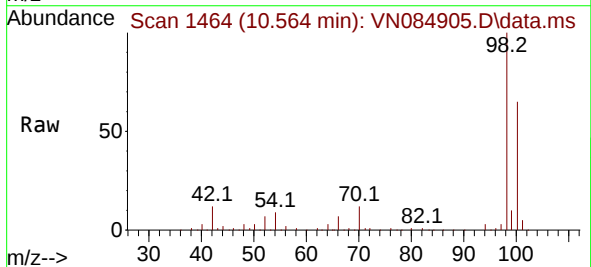
Instrument :
MSVOA_N
ClientSampleId :

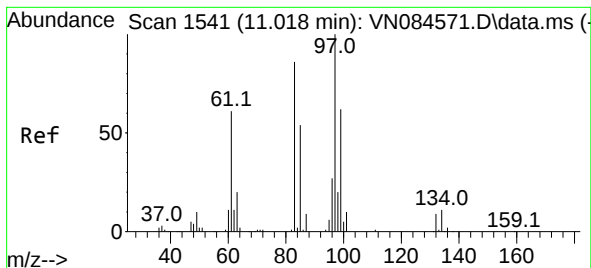
Tgt Ion: 98 Resp: 347430
Ion Ratio Lower Upper
98 100
100 64.3 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.687 ug/l
RT: 10.564 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

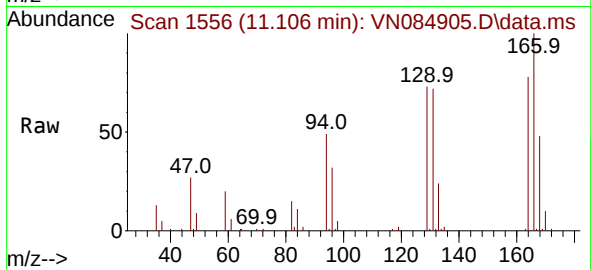
Tgt Ion: 43 Resp: 1659
Ion Ratio Lower Upper
43 100
58 164.6 31.6 47.4#



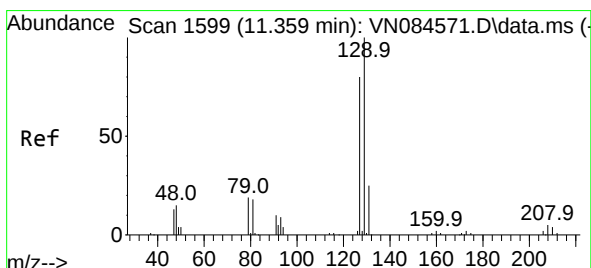
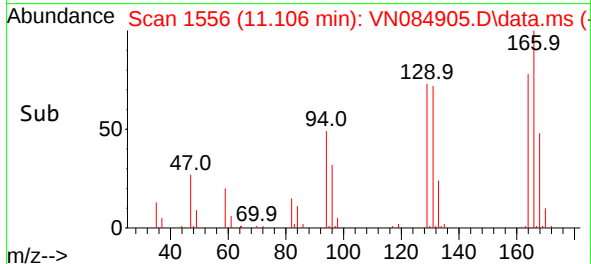
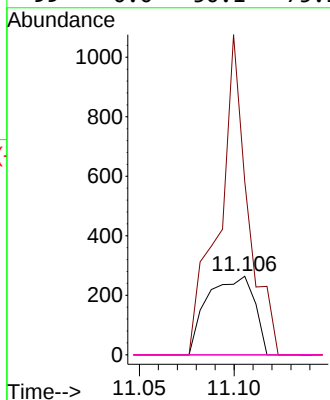


#55
 1,1,2-Trichloroethane
 Concen: 0.228 ug/l
 RT: 11.106 min Scan# 1555
 Delta R.T. 0.094 min
 Lab File: VN084905.D
 Acq: 17 Nov 2024 19:13

Instrument :
 MSVOA_N
 ClientSampleId :

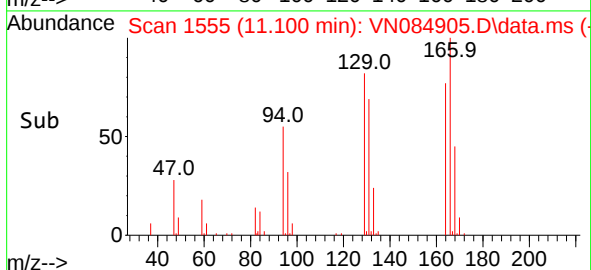
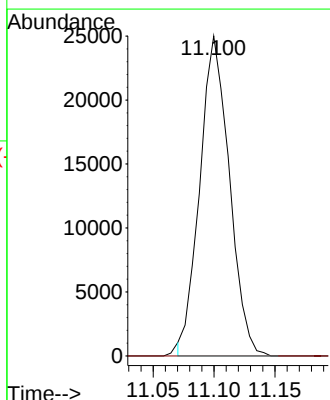
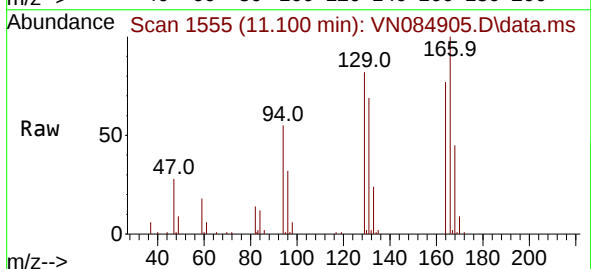


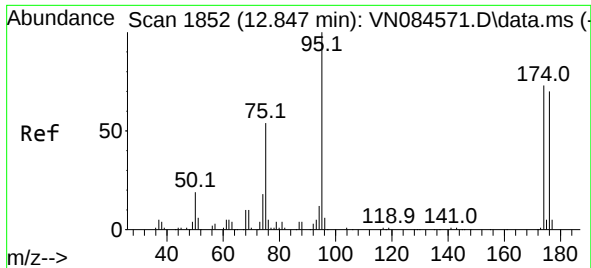
Tgt Ion: 97	Resp: 450
Ion Ratio	Lower Upper
97 100	
83 220.5	71.0 106.4#
85 0.0	41.7 62.5#
99 0.0	50.1 75.1#



#60
 Dibromochloromethane
 Concen: 18.741 ug/l
 RT: 11.100 min Scan# 1555
 Delta R.T. -0.259 min
 Lab File: VN084905.D
 Acq: 17 Nov 2024 19:13

Tgt Ion:129	Resp:	42178	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.3	114.9#

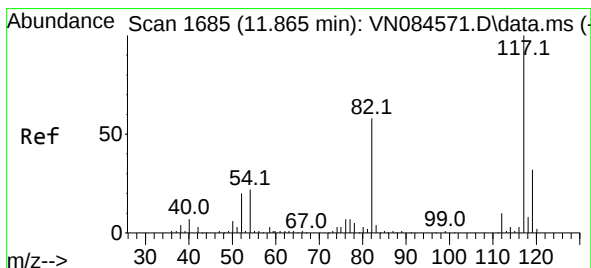
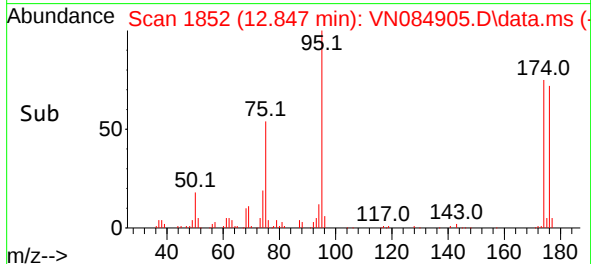
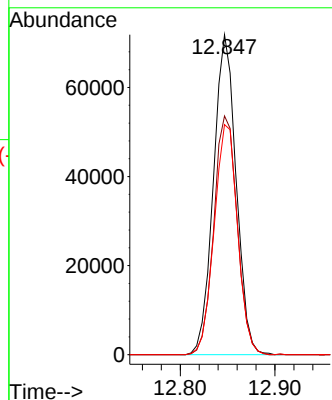
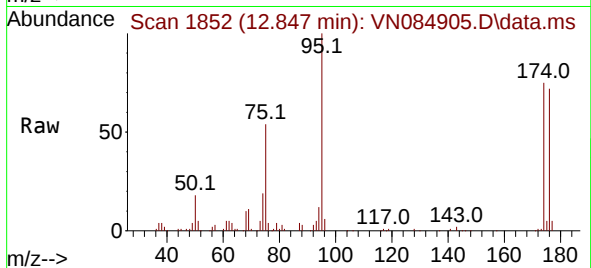




#62
4-Bromofluorobenzene
Concen: 43.142 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

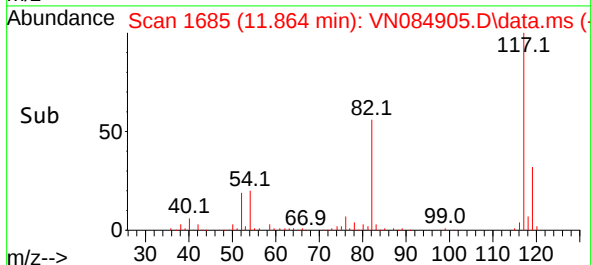
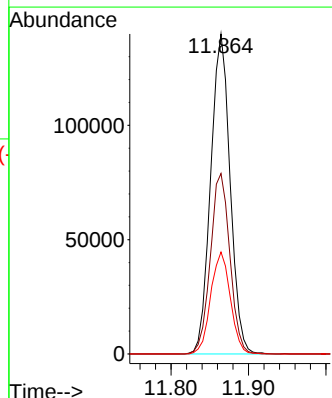
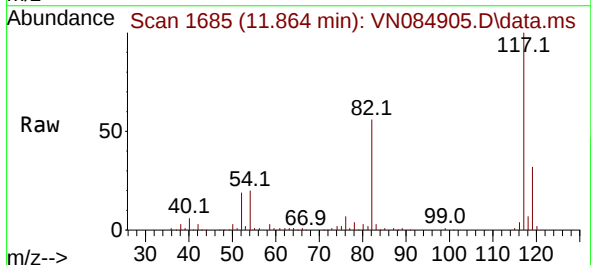
Instrument :
MSVOA_N
ClientSampleId :

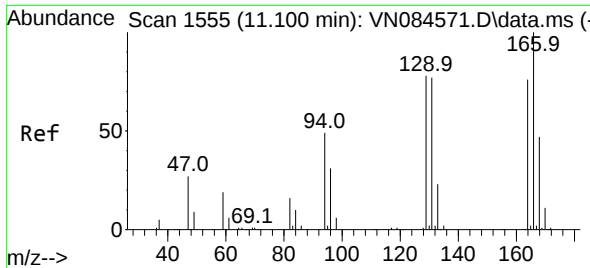
Tgt Ion: 95 Resp: 119533
Ion Ratio Lower Upper
95 100
174 76.9 0.0 145.2
176 74.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.001 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

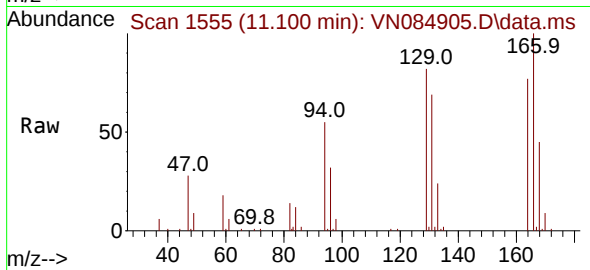
Tgt Ion: 117 Resp: 243742
Ion Ratio Lower Upper
117 100
82 56.4 47.2 70.8
119 31.9 25.4 38.0



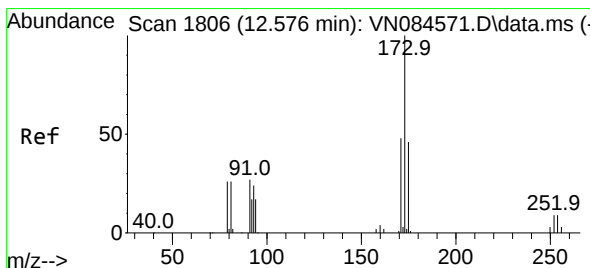
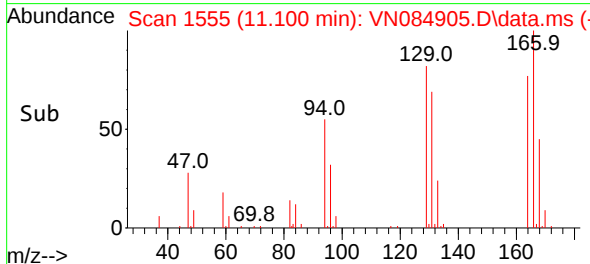
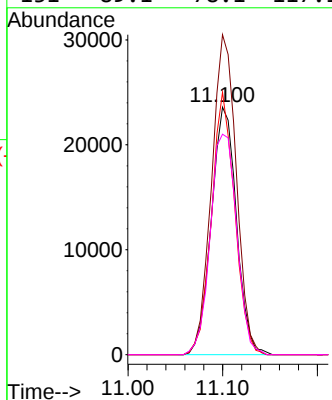


#64
Tetrachloroethene
Concen: 26.766 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :

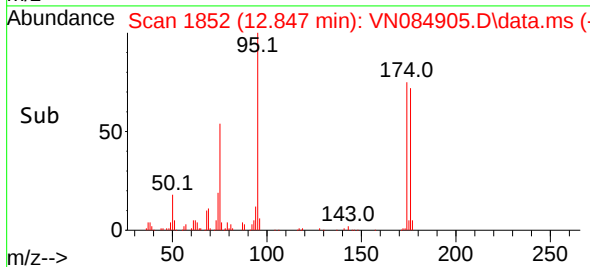
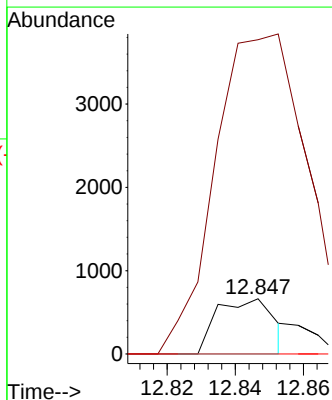
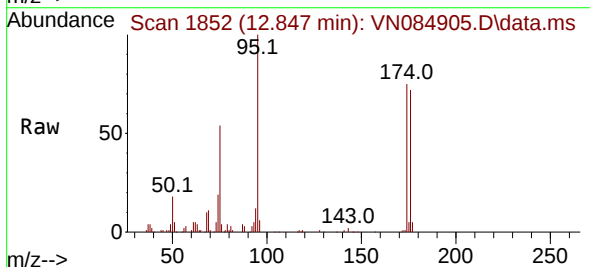


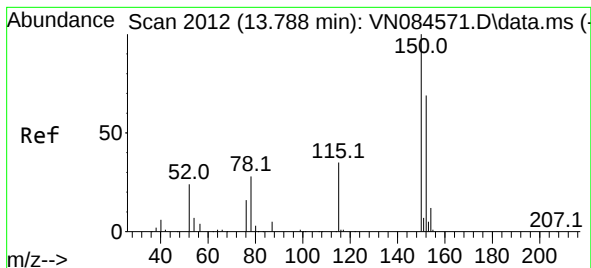
Tgt Ion:164 Resp: 43396
Ion Ratio Lower Upper
164 100
166 129.3 101.0 151.4
129 106.0 80.8 121.2
131 89.1 78.1 117.1



#71
Bromoform
Concen: 0.541 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

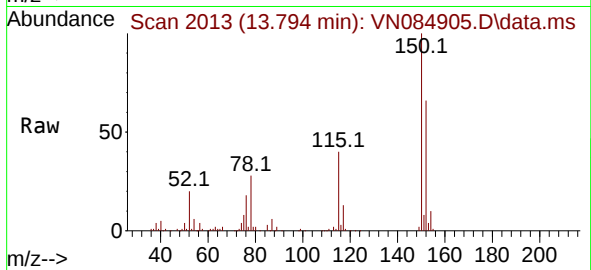
Tgt Ion:173 Resp: 772
Ion Ratio Lower Upper
173 100
175 0.0 23.5 70.6#
254 0.0 0.0 0.0



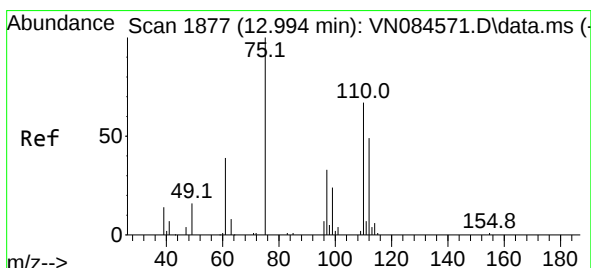
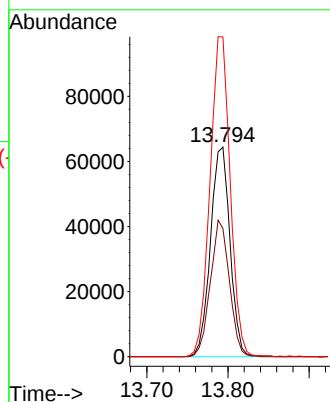
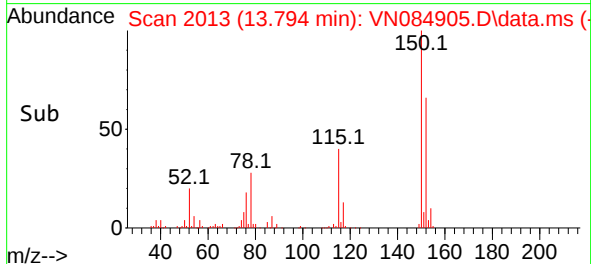


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :

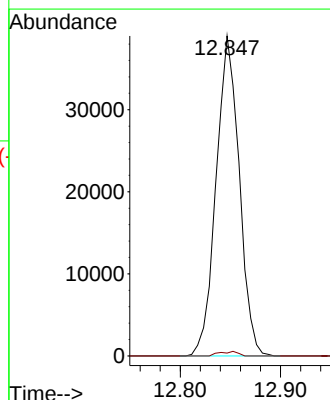
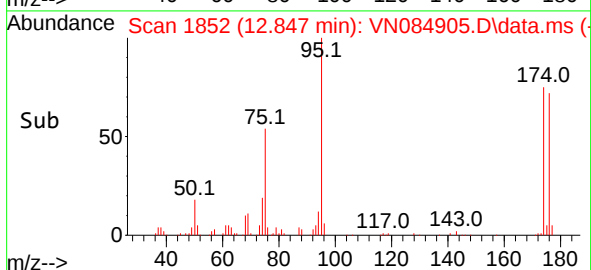
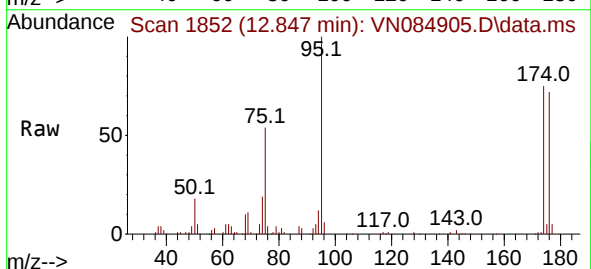


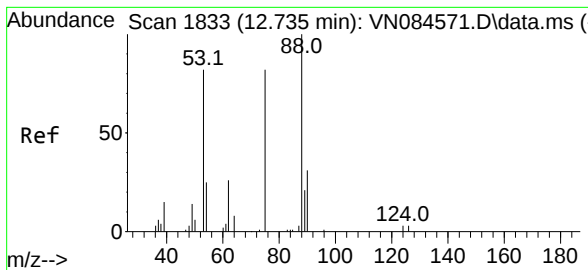
Tgt Ion:152 Resp: 107743
Ion Ratio Lower Upper
152 100
115 63.4 31.3 93.9
150 157.6 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 28.965 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084905.D
Acq: 17 Nov 2024 19:13

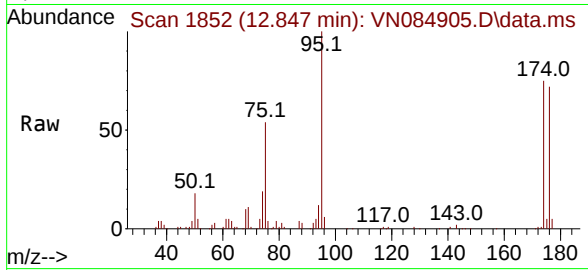
Tgt Ion: 75 Resp: 62383
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.717 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.111 min
 Lab File: VN084905.D
 Acq: 17 Nov 2024 19:13

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 62383
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#

