

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
 Data File : VN084897.D
 Acq On : 17 Nov 2024 16:00
 Operator : JC\MD
 Sample : P4845-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 00:22:17 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)

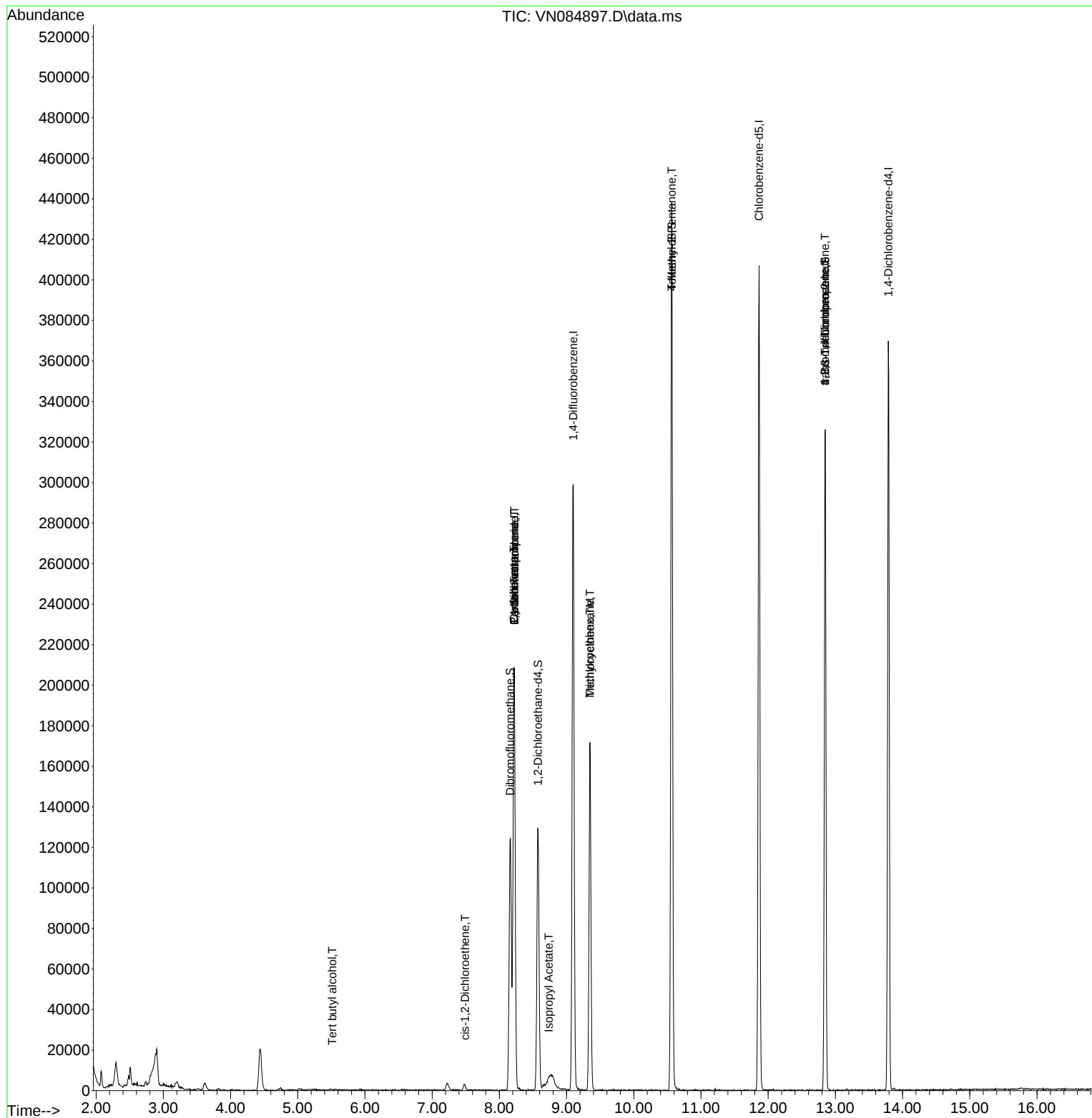
Internal Standards						
1) Pentafluorobenzene	8.224	168	153605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110093	49.623	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	99.240%	
35) Dibromofluoromethane	8.159	113	90338	50.892	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	101.780%	
50) Toluene-d8	10.565	98	302490	46.260	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	92.520%	
62) 4-Bromofluorobenzene	12.847	95	114888	47.012	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	94.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	366	Below Cal	#	41
6) Chloroethane	3.100	64	136	Below Cal	#	45
11) Tert butyl alcohol	5.512	59	71	0.242	ug/l #	73
16) Acetone	4.441	43	1181	Below Cal	#	44
18) Methyl Acetate	5.018	43	759	Below Cal	#	51
27) cis-1,2-Dichloroethene	7.488	96	1762	0.840	ug/l	90
31) Cyclohexane	8.218	56	3045	0.994	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	12847	5.218	ug/l #	53
38) Carbon Tetrachloride	8.224	117	16367	5.948	ug/l #	17
39) Methylcyclohexane	9.347	83	672	0.268	ug/l #	1
43) Isopropyl Acetate	8.735	43	8257	1.056	ug/l #	56
44) Trichloroethene	9.347	130	60532	33.198	ug/l	97
51) 4-Methyl-2-Pentanone	10.565	43	1060	0.498	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	59452	29.715	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59452	70.496	ug/l #	11
88) 1,4-Dichlorobenzene	13.817	146	83	Below Cal	#	24

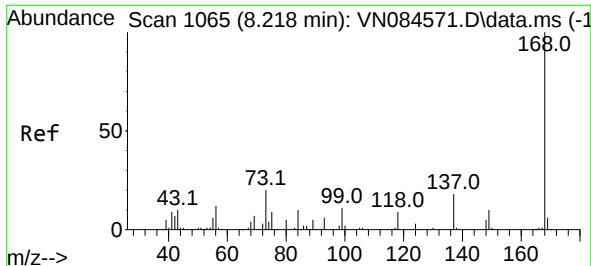
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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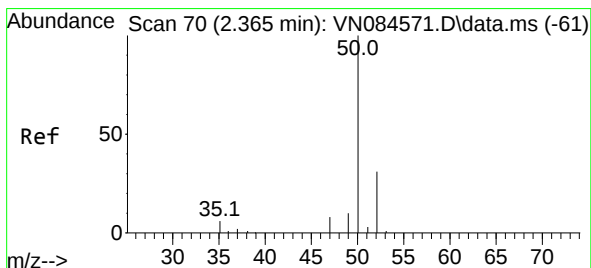
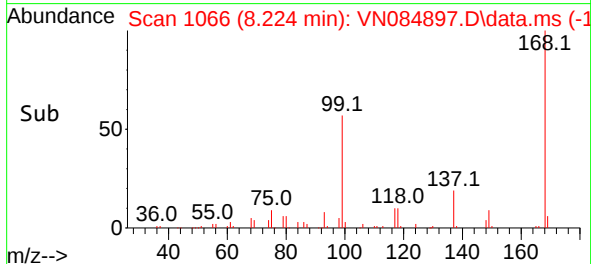
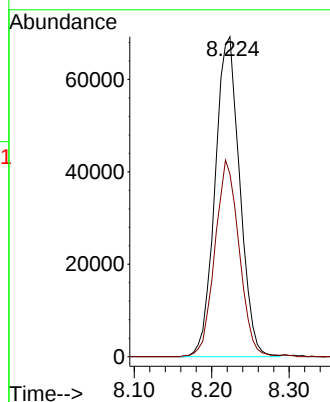
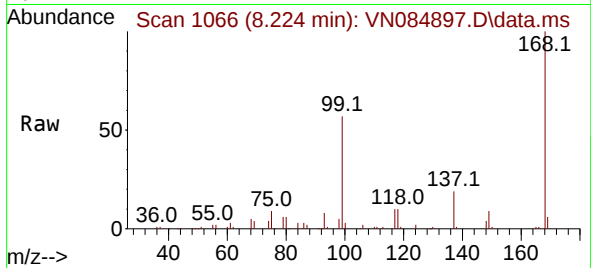




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

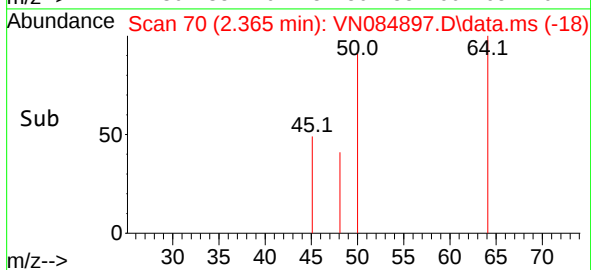
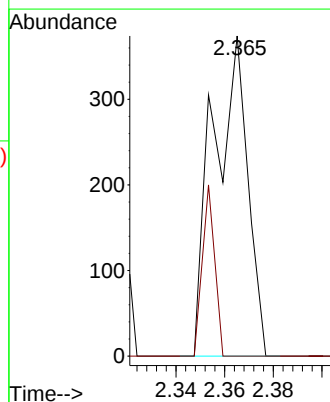
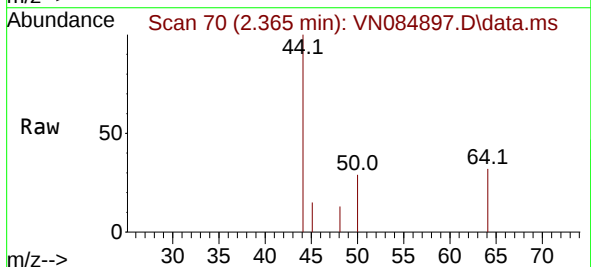
Instrument :
MSVOA_N
ClientSampleId :

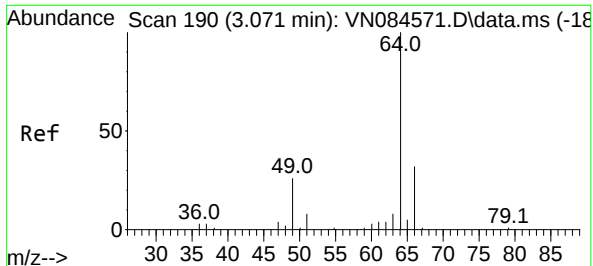
Tgt Ion:168 Resp: 153605
Ion Ratio Lower Upper
168 100
99 57.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

Tgt Ion: 50 Resp: 366
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

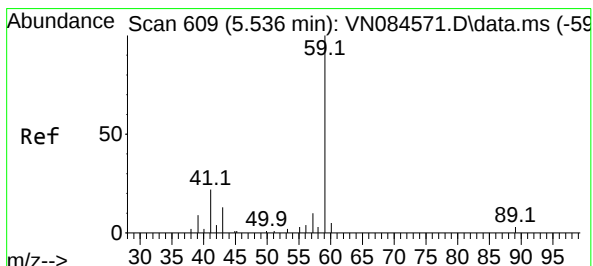
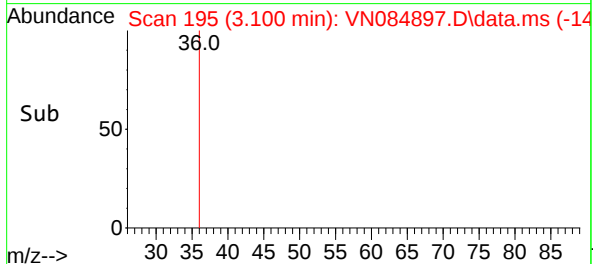
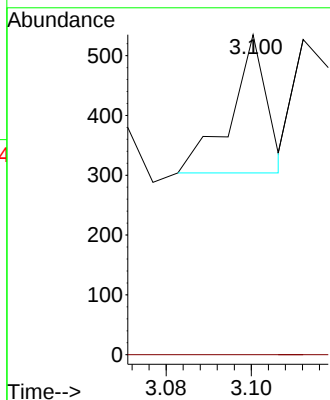
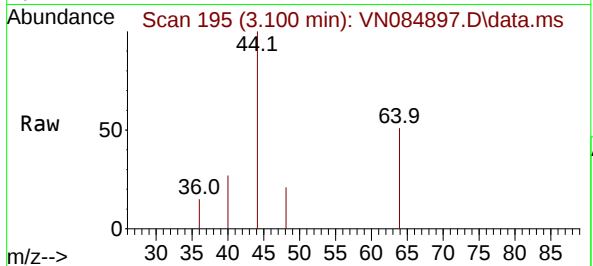




#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

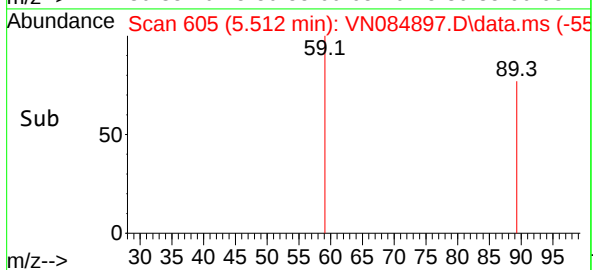
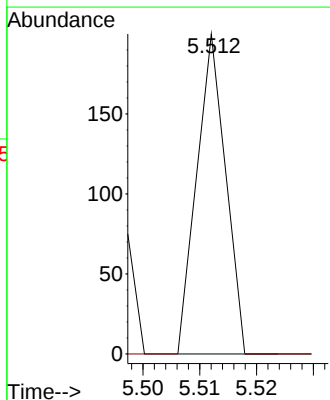
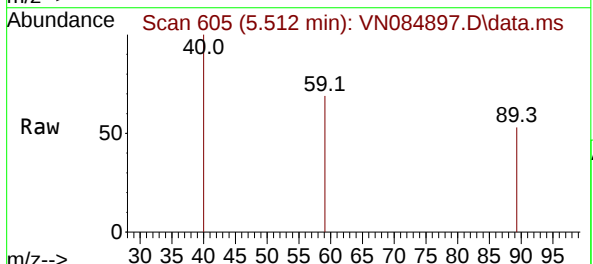
Instrument :
MSVOA_N
ClientSampleId :

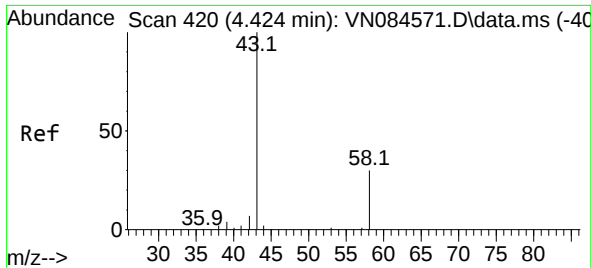
Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.242 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

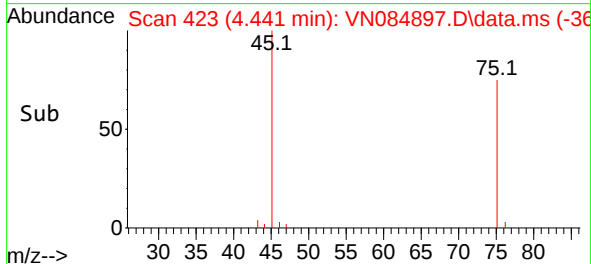
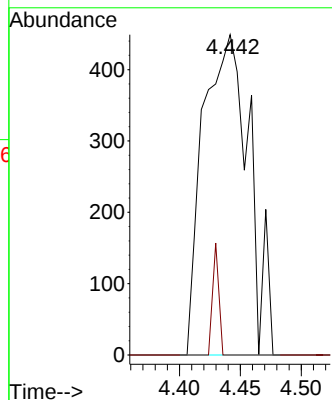
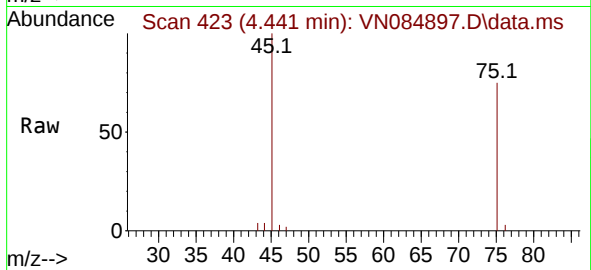




#16
Acetone
Concen: Below Cal
RT: 4.441 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

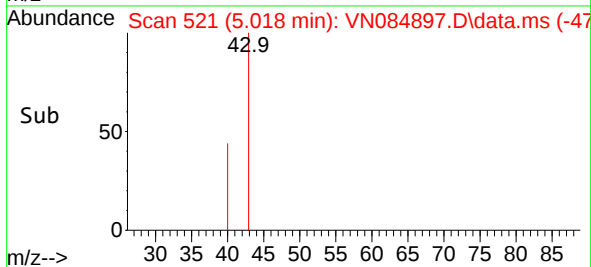
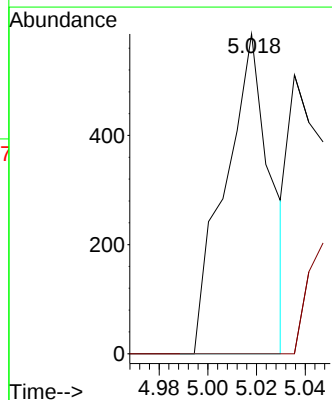
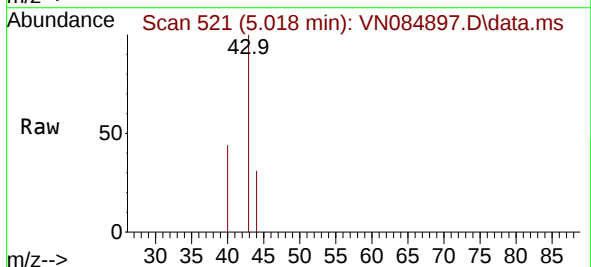
Instrument :
MSVOA_N
ClientSampleId :

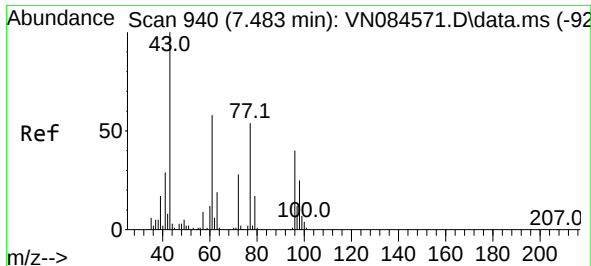
Tgt Ion: 43 Resp: 1181
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

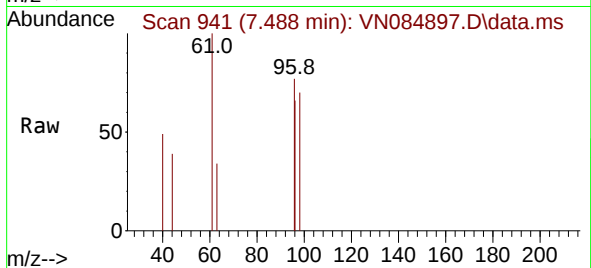
Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



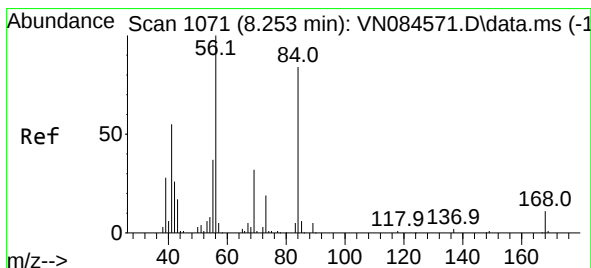
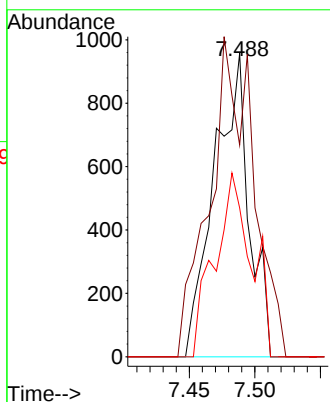
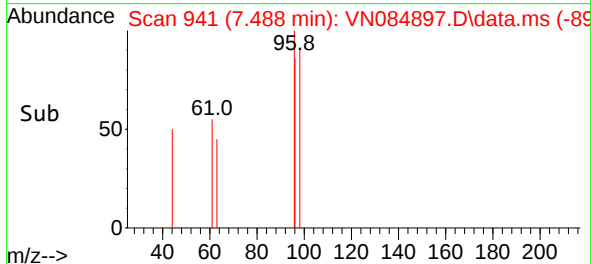


#27
 cis-1,2-Dichloroethene
 Concen: 0.840 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. -0.000 min
 Lab File: VN084897.D
 Acq: 17 Nov 2024 16:00

Instrument :
 MSVOA_N
 ClientSampleId :

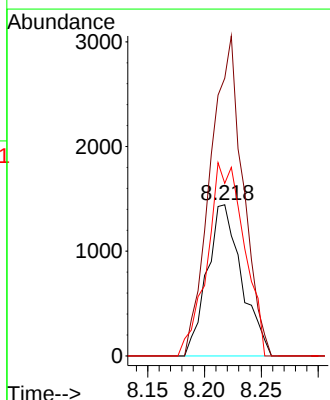
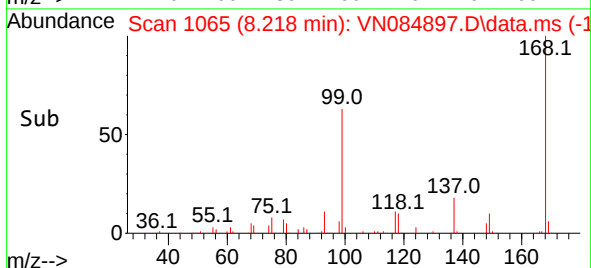
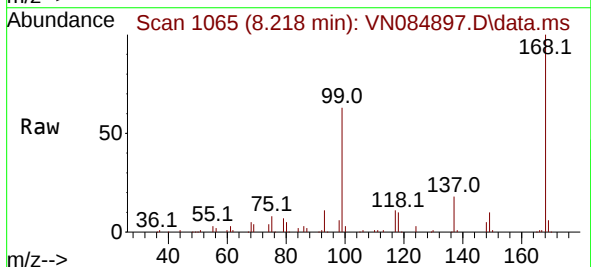


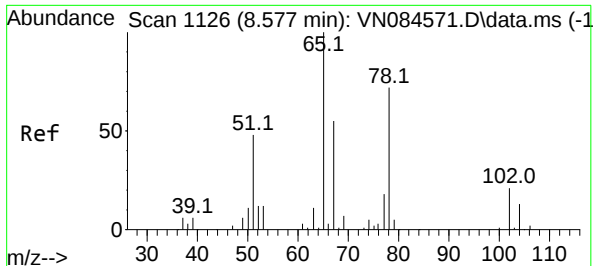
Tgt Ion:	96	Resp:	1762
Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	301.8
98	64.1	0.0	128.2



#31
 Cyclohexane
 Concen: 0.994 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.035 min
 Lab File: VN084897.D
 Acq: 17 Nov 2024 16:00

Tgt Ion:	56	Resp:	3045
Ion	Ratio	Lower	Upper
56	100		
69	183.7	23.8	35.6#
84	114.2	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.623 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084897.D

Acq: 17 Nov 2024 16:00

Instrument :

MSVOA_N

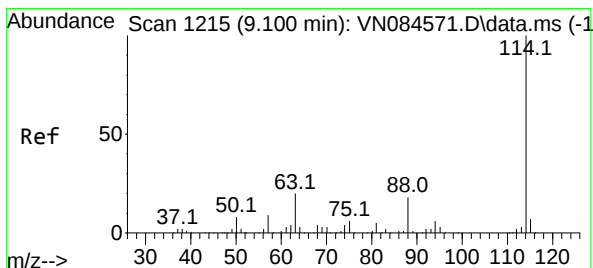
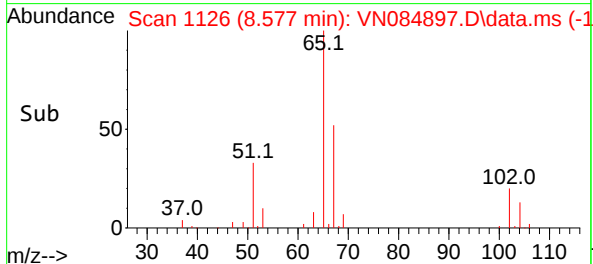
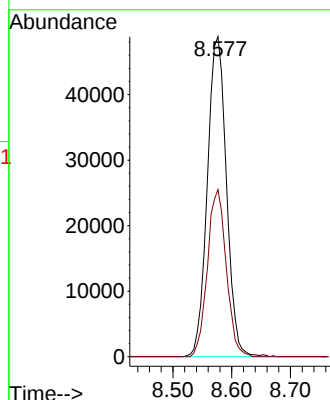
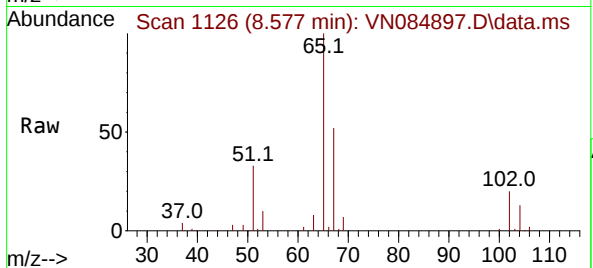
ClientSampleId :

Tgt Ion: 65 Resp: 110093

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084897.D

Acq: 17 Nov 2024 16:00

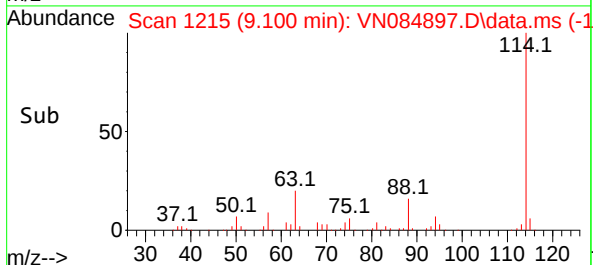
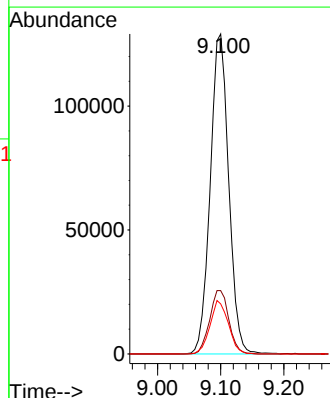
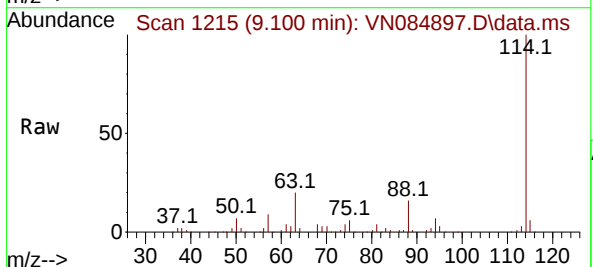
Tgt Ion: 114 Resp: 262247

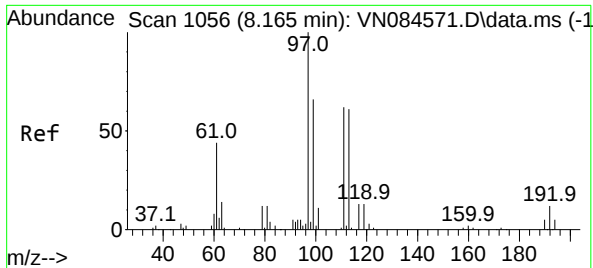
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.8

88 15.6 0.0 31.6

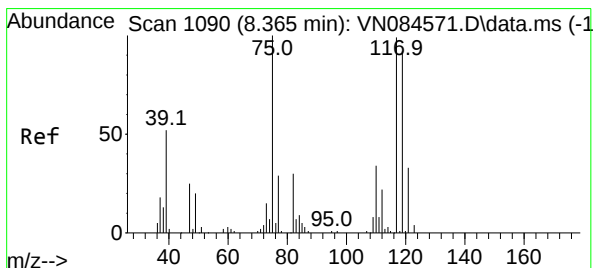
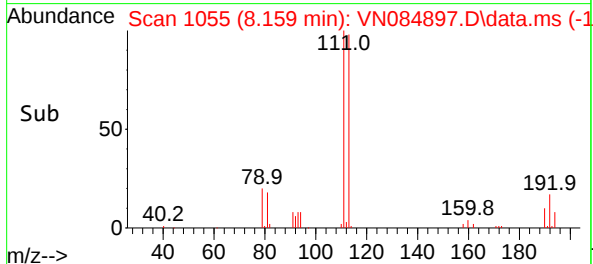
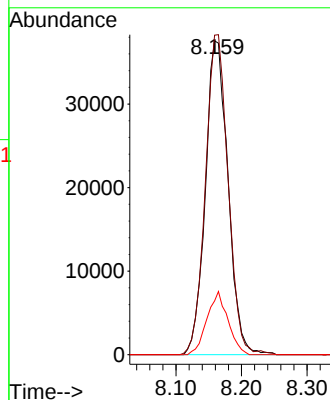
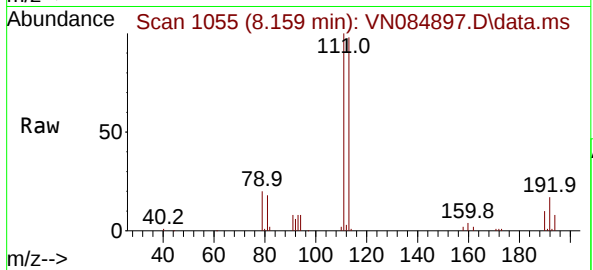




#35
 Dibromofluoromethane
 Concen: 50.892 ug/l
 RT: 8.159 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VN084897.D
 Acq: 17 Nov 2024 16:00

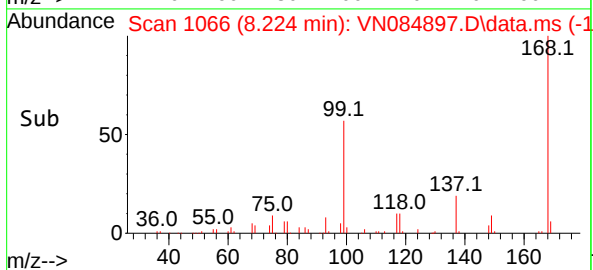
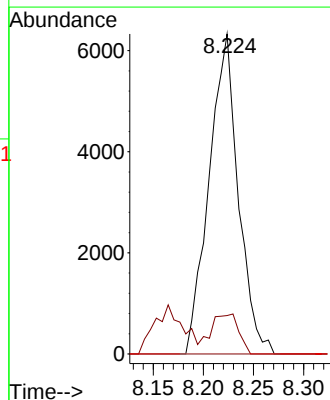
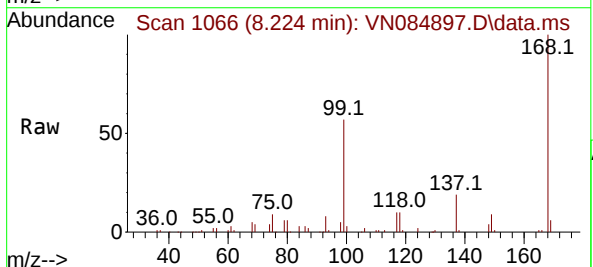
Instrument :
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 ClientSampleId :

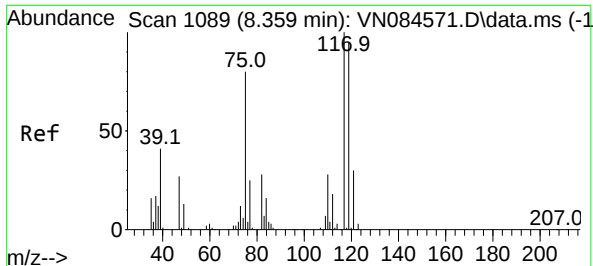
Tgt Ion:113 Resp: 90338
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.3 124.9
 192 18.6 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 5.218 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN084897.D
 Acq: 17 Nov 2024 16:00

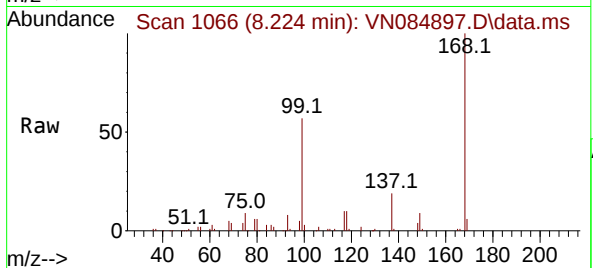
Tgt Ion: 75 Resp: 12847
 Ion Ratio Lower Upper
 75 100
 110 11.9 16.9 50.7#
 77 0.0 24.7 37.1#



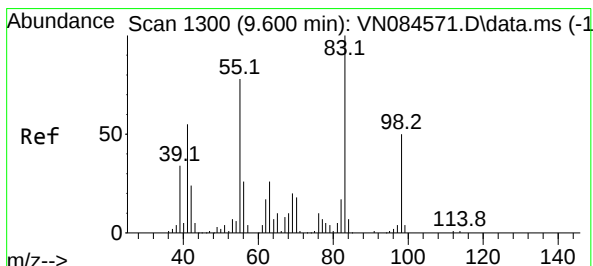
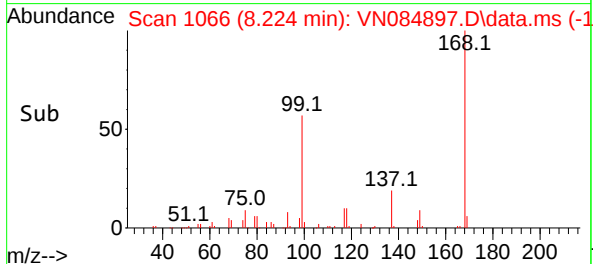
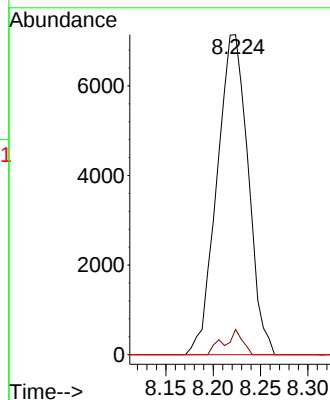


#38
Carbon Tetrachloride
Concen: 5.948 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

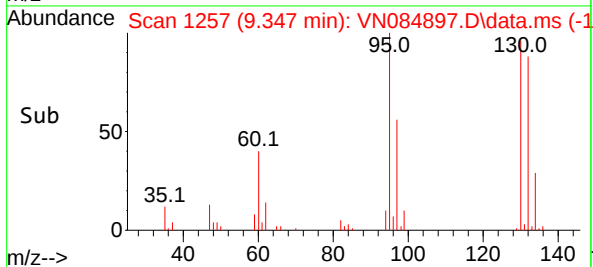
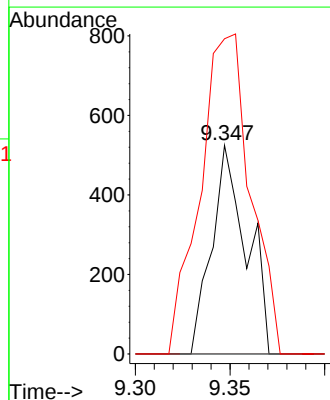
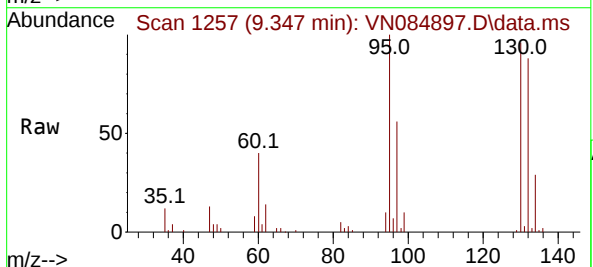


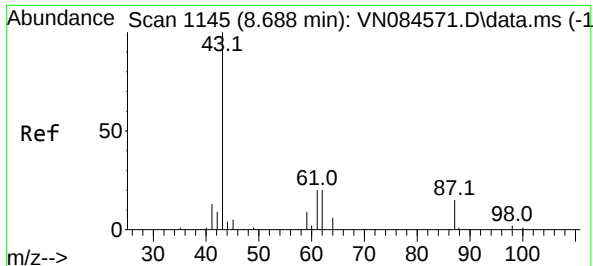
Tgt Ion: 117 Resp: 16367
Ion Ratio Lower Upper
117 100
119 7.9 78.7 118.1#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.268 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.253 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

Tgt Ion: 83 Resp: 672
Ion Ratio Lower Upper
83 100
55 0.0 62.8 94.2#
98 151.0 38.8 58.2#

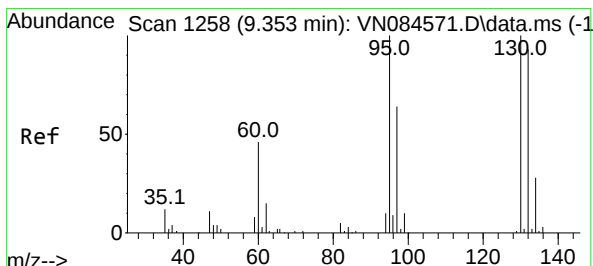
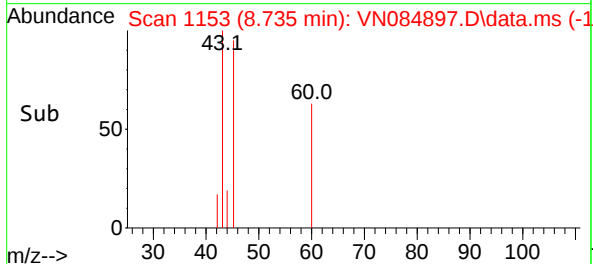
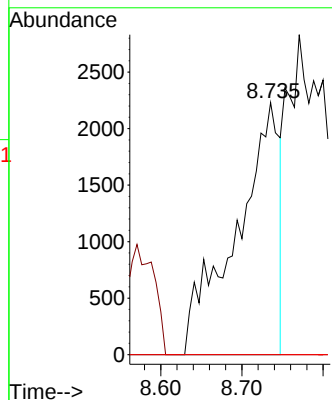
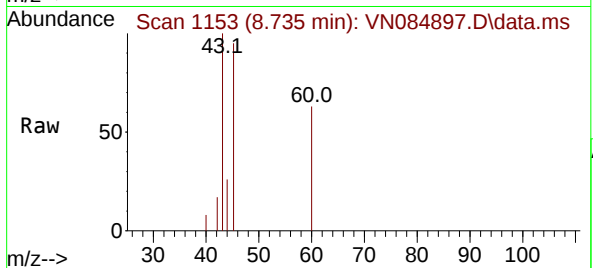




#43
Isopropyl Acetate
Concen: 1.056 ug/l
RT: 8.735 min Scan# 1145
Delta R.T. 0.047 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

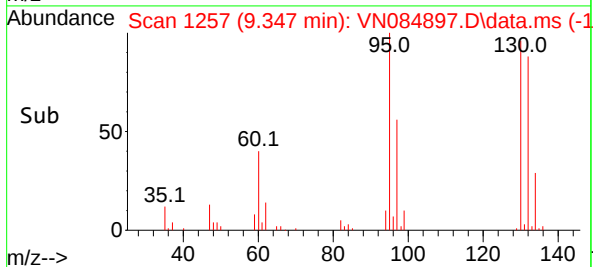
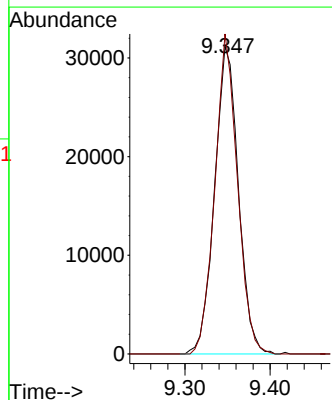
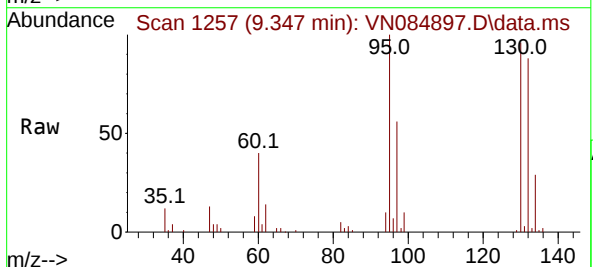
Instrument :
MSVOA_N
ClientSampleId :

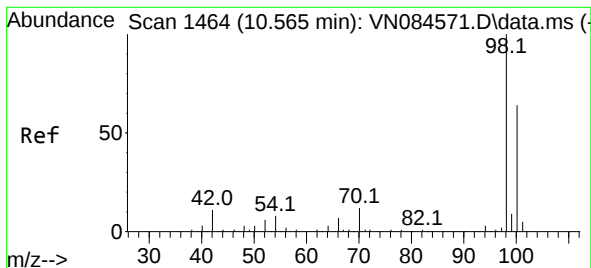
Tgt Ion: 43 Resp: 8257
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#



#44
Trichloroethene
Concen: 33.198 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

Tgt Ion:130 Resp: 60532
Ion Ratio Lower Upper
130 100
95 104.1 0.0 203.0





#50

Toluene-d8

Concen: 46.260 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084897.D

Acq: 17 Nov 2024 16:00

Instrument :

MSVOA_N

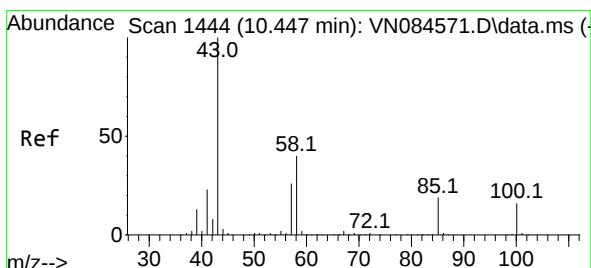
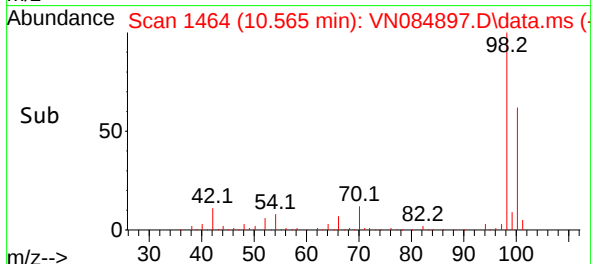
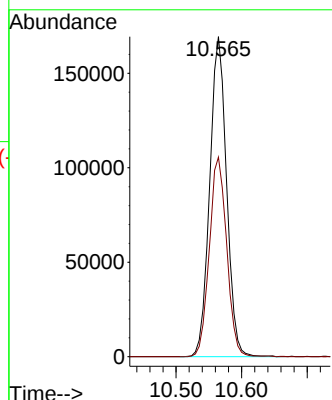
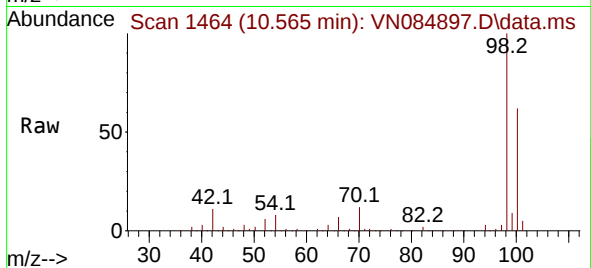
ClientSampleId :

Tgt Ion: 98 Resp: 302490

Ion Ratio Lower Upper

98 100

100 64.2 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 0.498 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.123 min

Lab File: VN084897.D

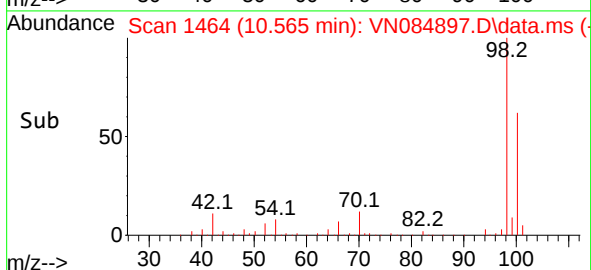
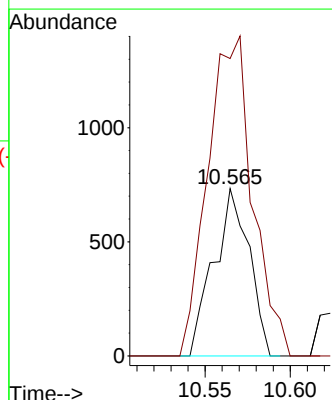
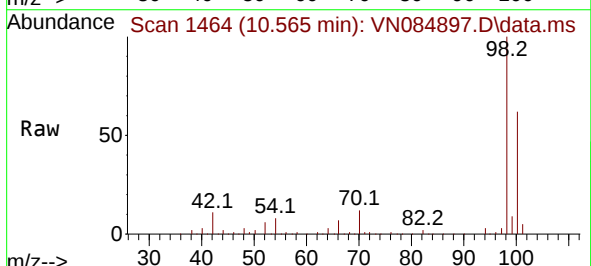
Acq: 17 Nov 2024 16:00

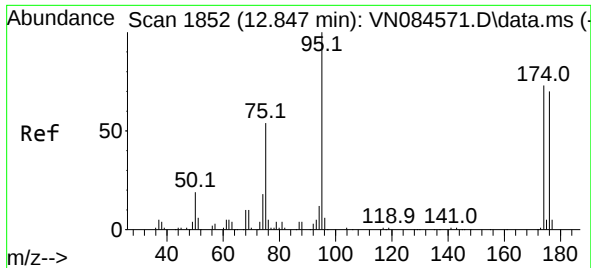
Tgt Ion: 43 Resp: 1060

Ion Ratio Lower Upper

43 100

58 242.1 31.6 47.4#

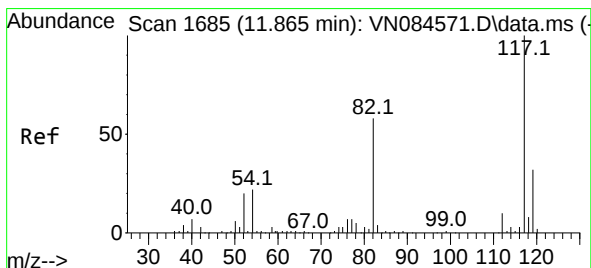
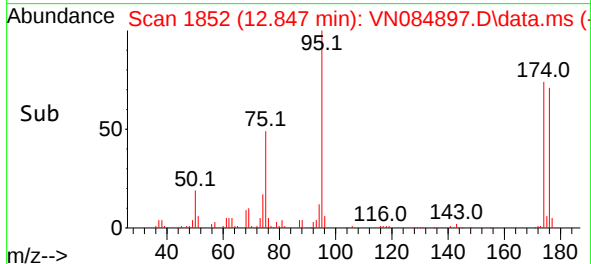
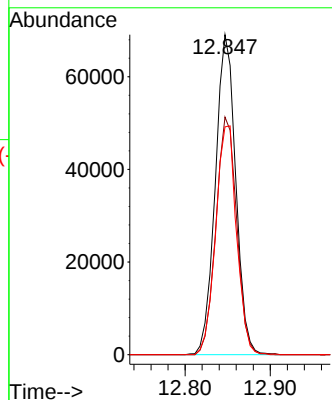
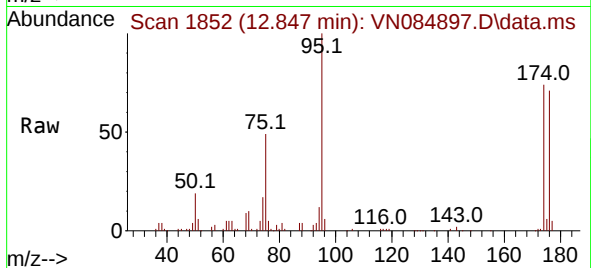




#62
4-Bromofluorobenzene
Concen: 47.012 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

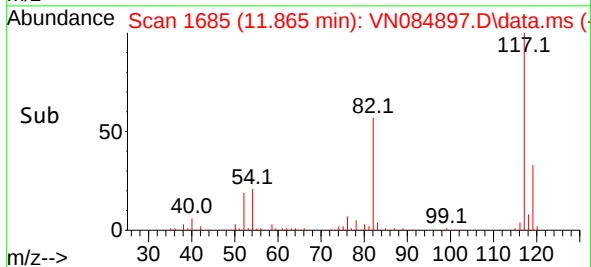
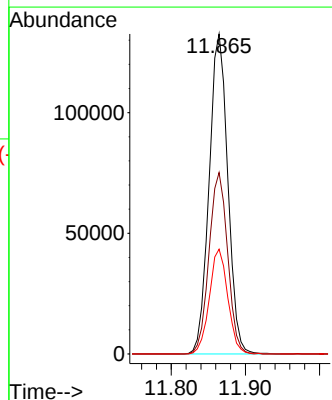
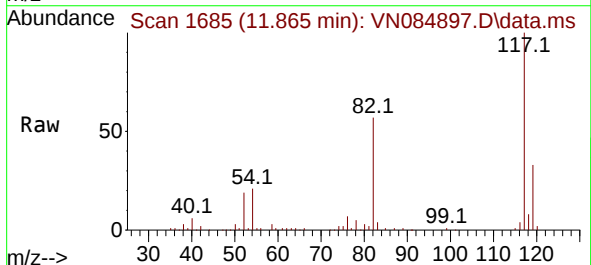
Instrument :
MSVOA_N
ClientSampleId :

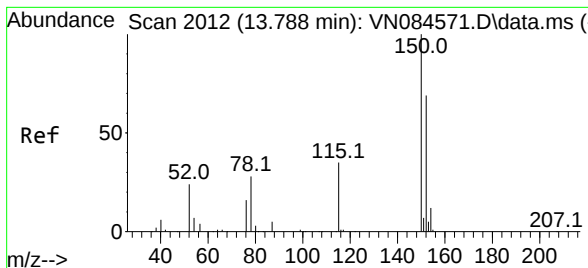
Tgt Ion: 95 Resp: 114888
Ion Ratio Lower Upper
95 100
174 75.7 0.0 145.2
176 73.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

Tgt Ion: 117 Resp: 231889
Ion Ratio Lower Upper
117 100
82 56.7 47.2 70.8
119 32.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN084897.D

Acq: 17 Nov 2024 16:00

Instrument :

MSVOA_N

ClientSampleId :

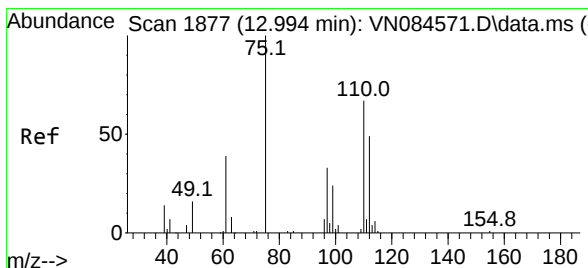
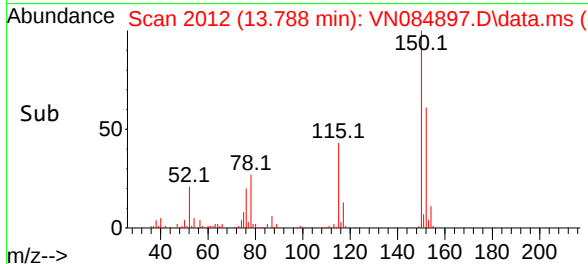
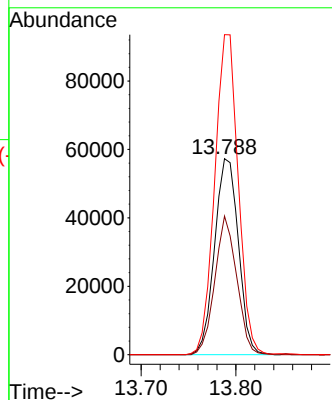
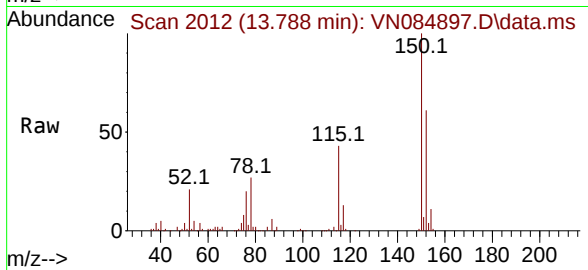
Tgt Ion:152 Resp: 100089

Ion Ratio Lower Upper

152 100

115 64.9 31.3 93.9

150 161.0 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 29.715 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084897.D

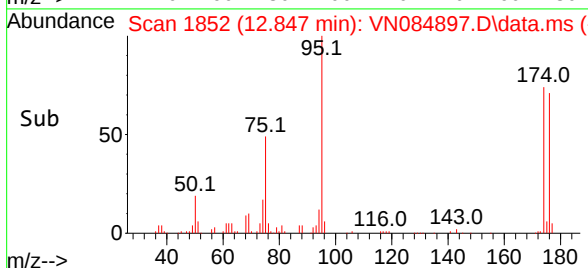
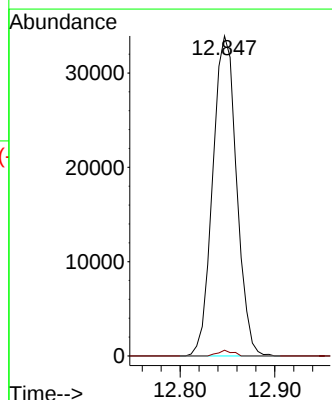
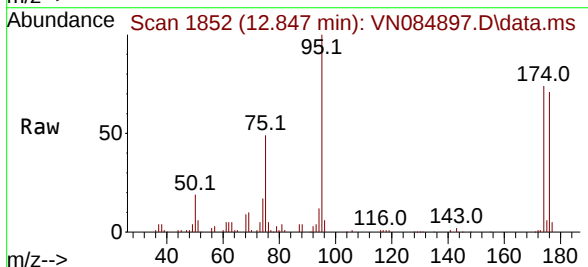
Acq: 17 Nov 2024 16:00

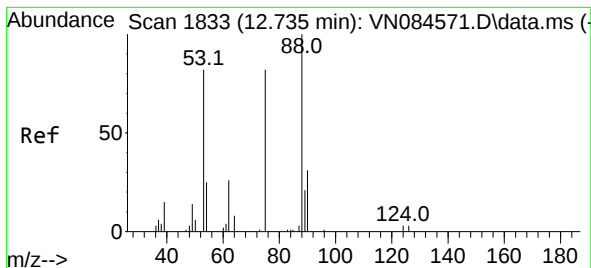
Tgt Ion: 75 Resp: 59452

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#

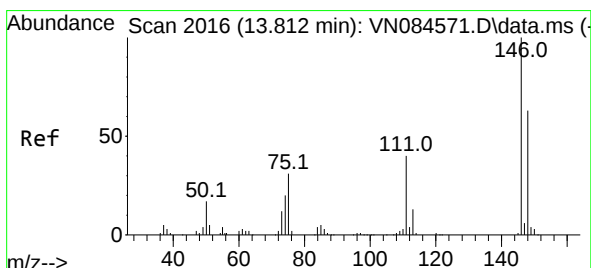
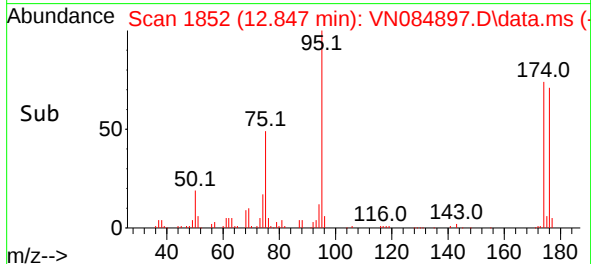
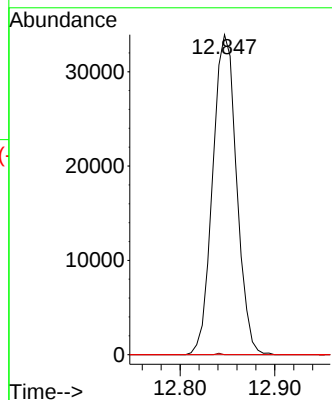
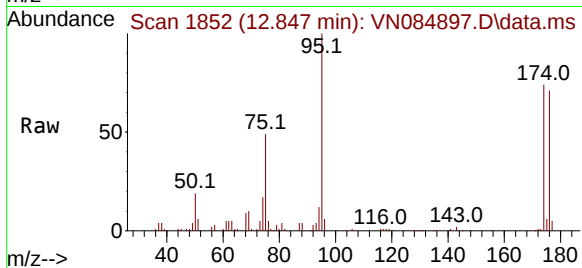




#81
trans-1,4-Dichloro-2-butene
Concen: 70.496 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 59452
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.817 min Scan# 2017
Delta R.T. 0.005 min
Lab File: VN084897.D
Acq: 17 Nov 2024 16:00

Tgt Ion:146 Resp: 83
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 0.0 31.9 95.9#

