

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
 Data File : VN084652.D
 Acq On : 04 Nov 2024 13:05
 Operator : JC\MD
 Sample : P4643-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:24:46 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

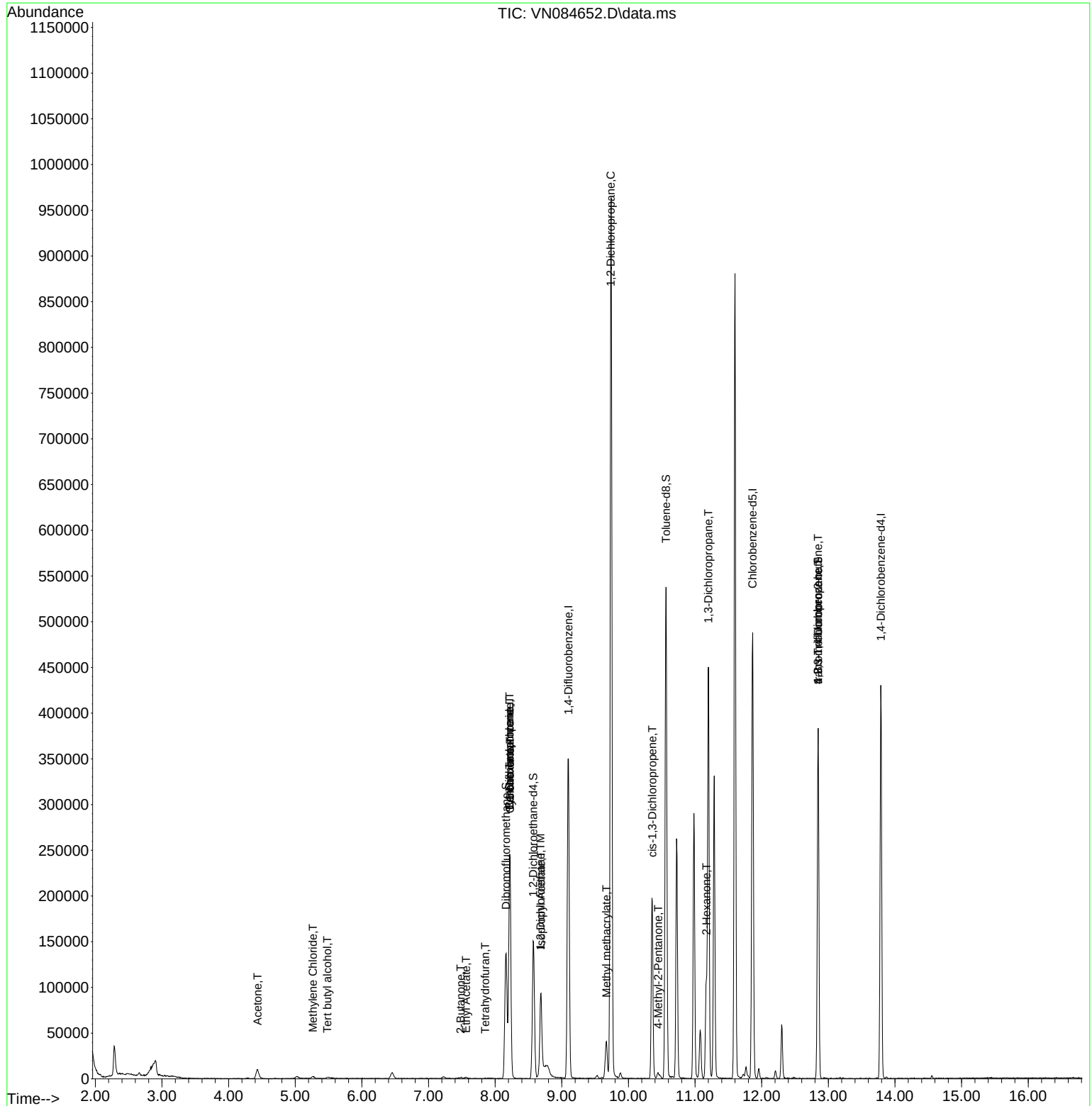
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

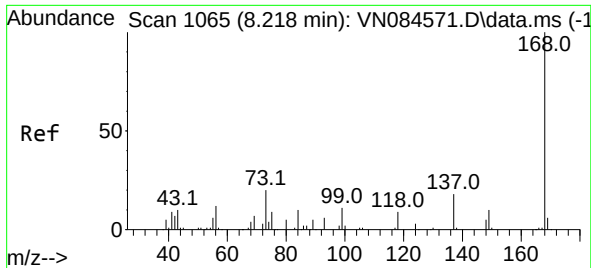
Internal Standards						
1) Pentafluorobenzene	8.218	168	178246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	286423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	125746	48.843	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.680%		
35) Dibromofluoromethane	8.165	113	103009	48.962	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.920%		
50) Toluene-d8	10.565	98	374662	48.344	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.680%		
62) 4-Bromofluorobenzene	12.847	95	136300	47.058	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.120%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	779	Below Cal	#	41
6) Chloroethane	3.112	64	417	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	706	2.078	ug/l #	73
16) Acetone	4.436	43	18886	22.803	ug/l	99
18) Methyl Acetate	5.024	43	4812	Below Cal		91
20) Methylene Chloride	5.265	84	1495	0.660	ug/l #	65
25) 2-Butanone	7.483	43	1997	1.663	ug/l	90
29) Tetrahydrofuran	7.853	42	595	0.747	ug/l #	34
31) Cyclohexane	8.224	56	3695	1.040	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15008	5.144	ug/l #	52
37) Ethyl Acetate	7.565	43	2663	1.006	ug/l #	78
38) Carbon Tetrachloride	8.218	117	18918	5.801	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	818	0.270	ug/l #	75
43) Isopropyl Acetate	8.688	43	113874	22.758	ug/l #	89
45) 1,2-Dichloropropane	9.735	63	1155	0.525	ug/l #	44
48) Methyl methacrylate	9.671	41	2905	1.410	ug/l #	13
51) 4-Methyl-2-Pentanone	10.447	43	4228	1.675	ug/l	100
54) cis-1,3-Dichloropropene	10.359	75	37117	10.362	ug/l #	61
57) 1,3-Dichloropropane	11.200	76	4737	1.337	ug/l #	42
59) 2-Hexanone	11.171	43	80064	43.586	ug/l #	24
76) 1,2,3-Trichloropropane	12.847	75	69077	29.805	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69077	70.708	ug/l #	11
88) 1,4-Dichlorobenzene	13.823	146	709	Below Cal	#	24

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

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ClientSampleId :

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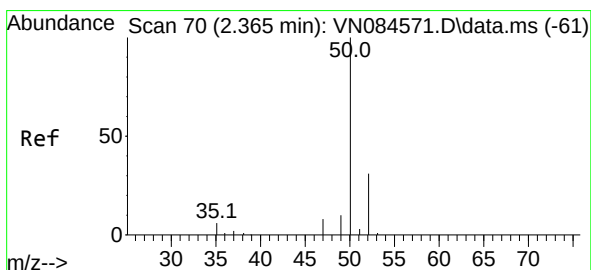
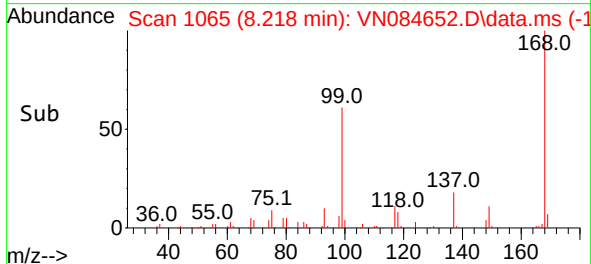
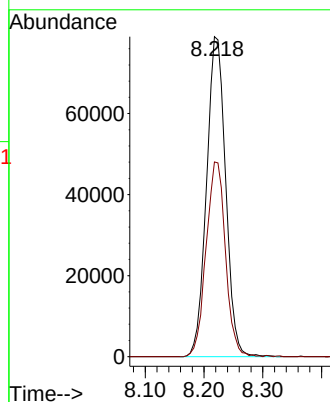
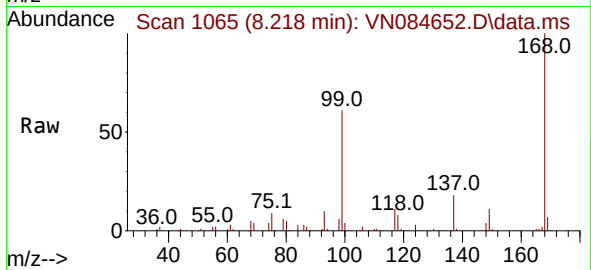




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

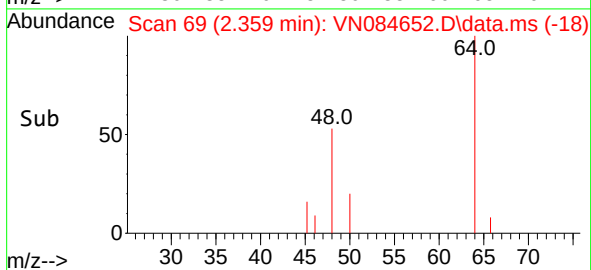
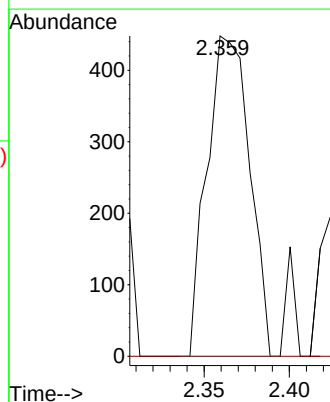
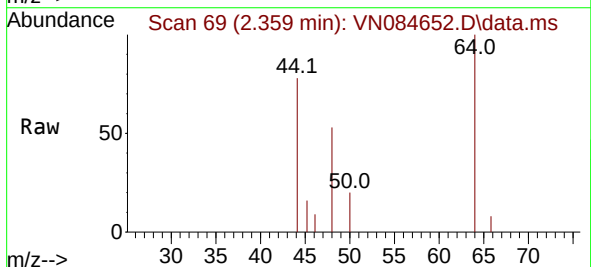
Instrument :
MSVOA_N
ClientSampleId :

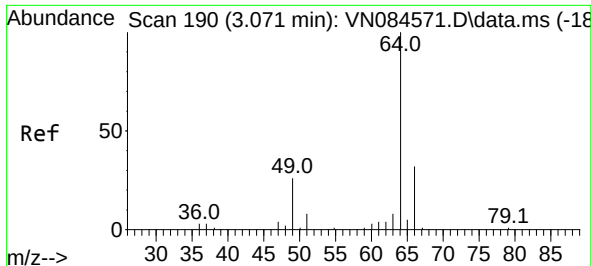
Tgt Ion:168 Resp: 178246
Ion Ratio Lower Upper
168 100
99 60.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

Tgt Ion: 50 Resp: 779
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

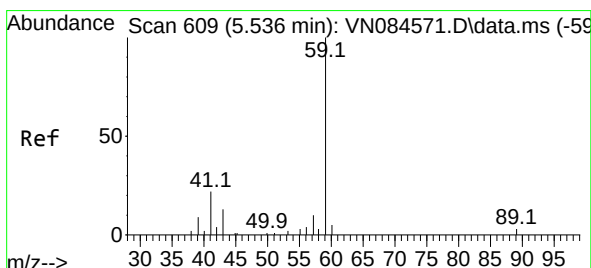
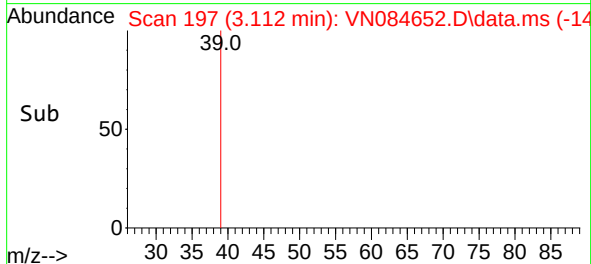
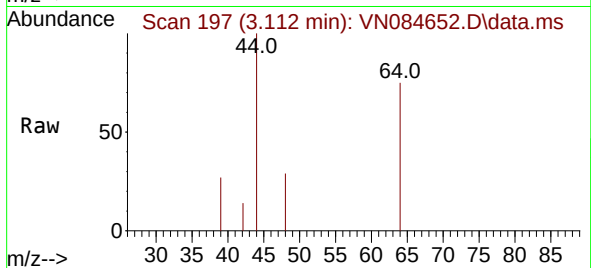




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 190
Delta R.T. -0.006 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

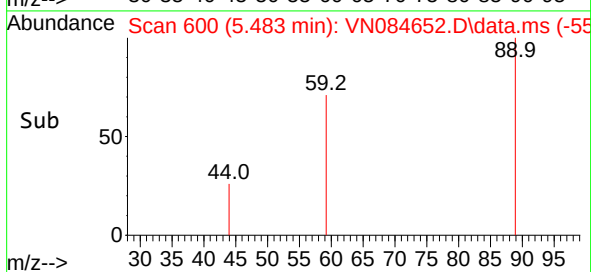
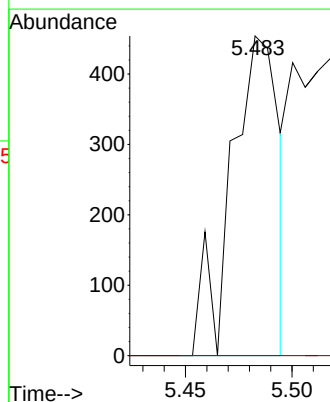
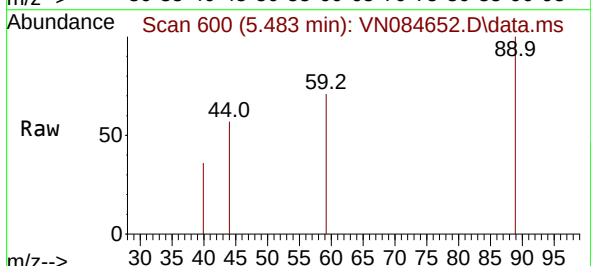
Instrument :
MSVOA_N
ClientSampleId :

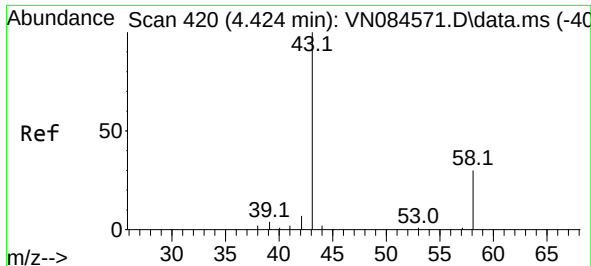
Tgt Ion: 64 Resp: 417
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 2.078 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

Tgt Ion: 59 Resp: 706
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

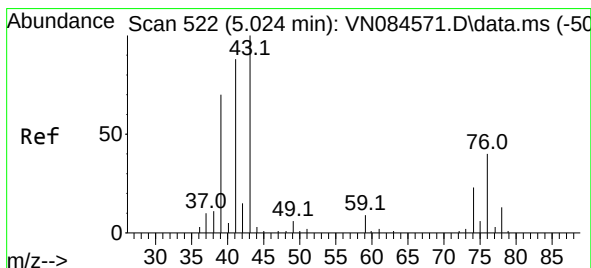
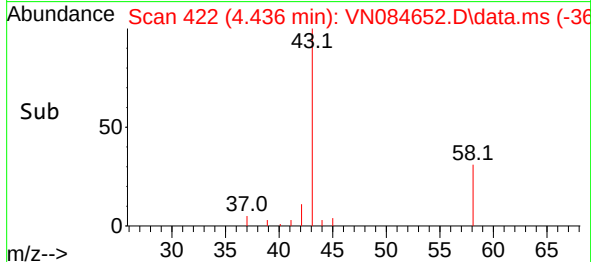
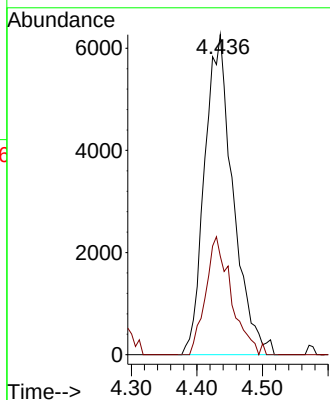
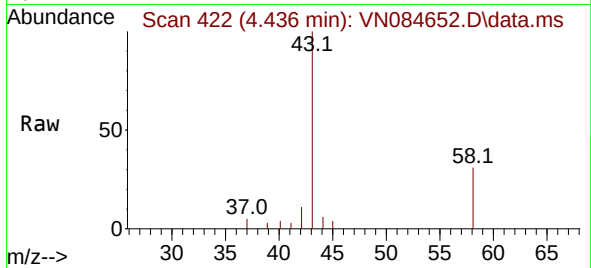




#16
Acetone
Concen: 22.803 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

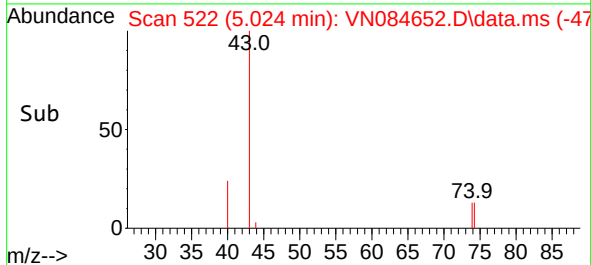
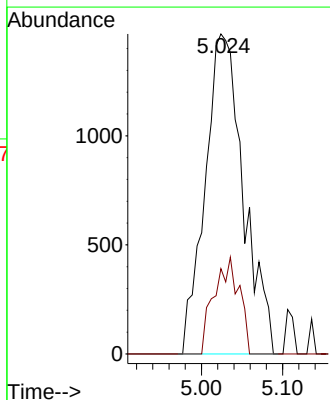
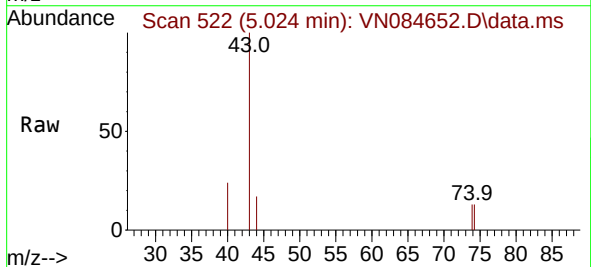
Instrument :
MSVOA_N
ClientSampleId :

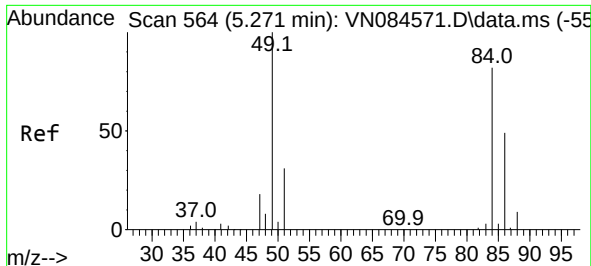
Tgt Ion: 43 Resp: 18886
Ion Ratio Lower Upper
43 100
58 30.8 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

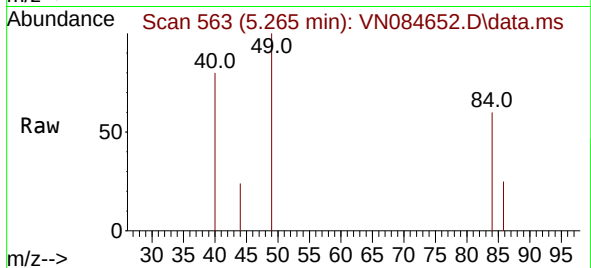
Tgt Ion: 43 Resp: 4812
Ion Ratio Lower Upper
43 100
74 19.8 19.2 28.8





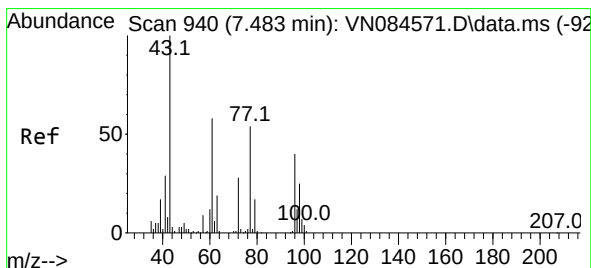
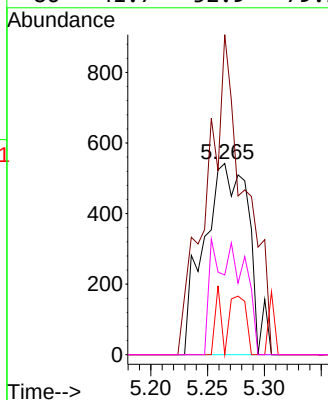
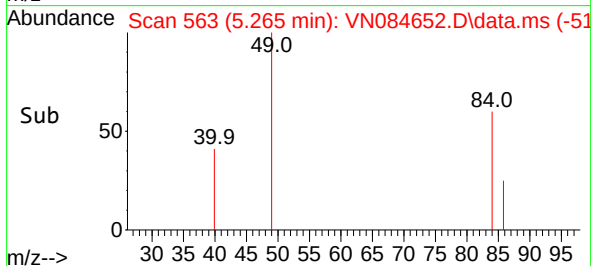
#20
Methylene Chloride
Concen: 0.660 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1495

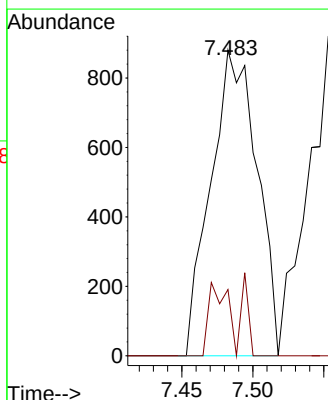
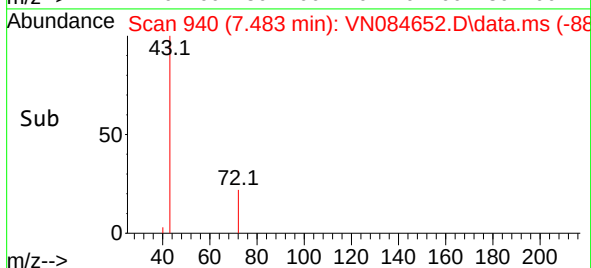
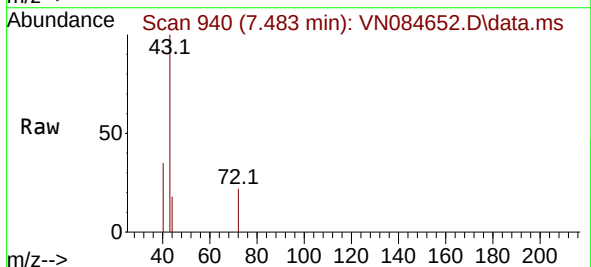
Ion	Ratio	Lower	Upper
84	100		
49	167.3	107.2	160.8#
51	0.0	31.8	47.8#
86	41.7	52.9	79.3#

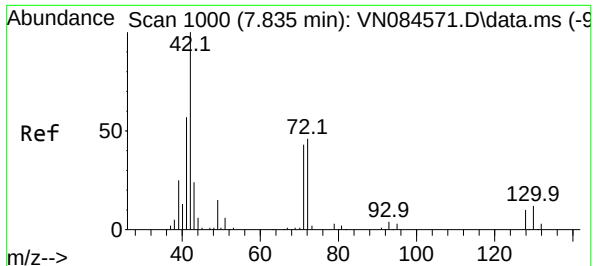


#25
2-Butanone
Concen: 1.663 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

Tgt Ion: 43 Resp: 1997

Ion	Ratio	Lower	Upper
43	100		
72	21.7	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.747 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

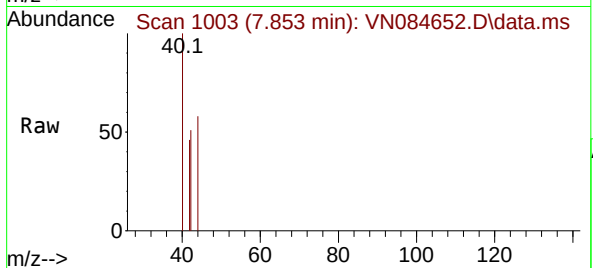
Lab File: VN084652.D

Acq: 04 Nov 2024 13:05

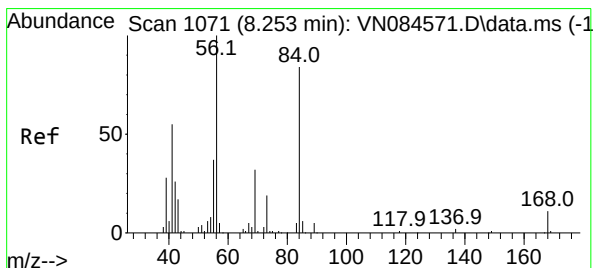
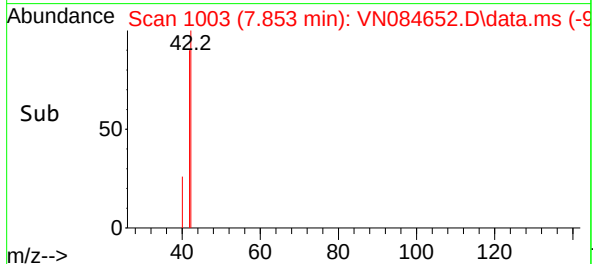
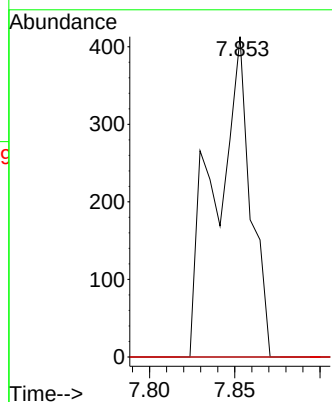
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	595
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.040 ug/l

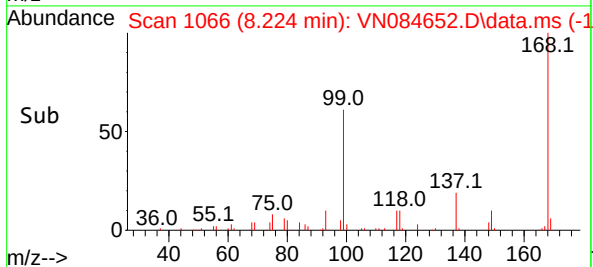
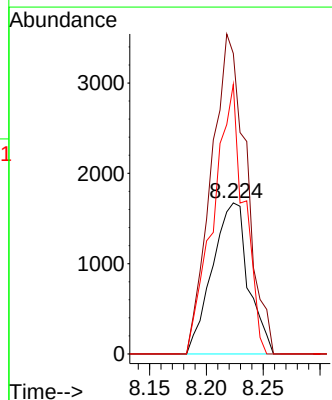
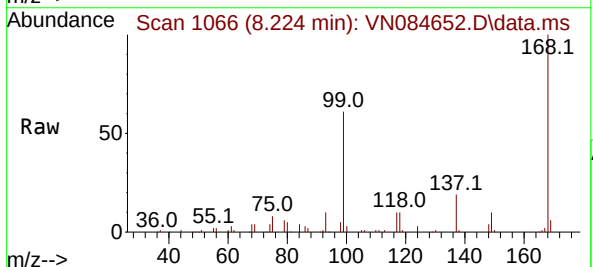
RT: 8.224 min Scan# 1066

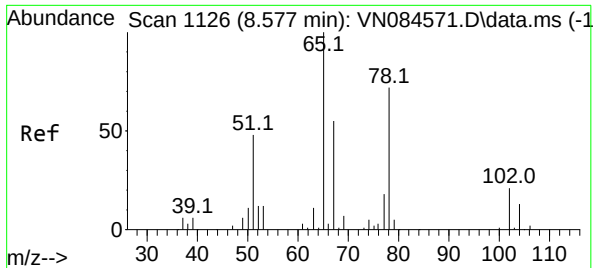
Delta R.T. -0.029 min

Lab File: VN084652.D

Acq: 04 Nov 2024 13:05

Tgt Ion:	56	Resp:	3695
Ion Ratio	Lower	Upper	
56	100		
69	199.0	23.8	35.6#
84	178.5	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.843 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN084652.D

Acq: 04 Nov 2024 13:05

Instrument :

MSVOA_N

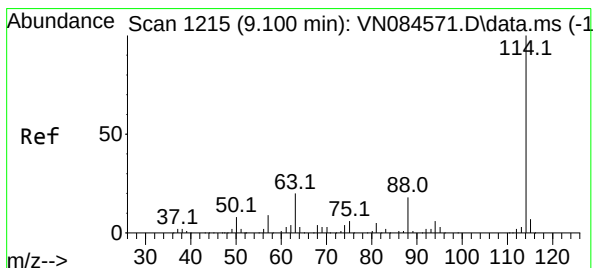
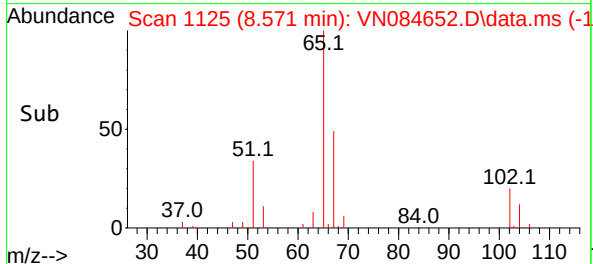
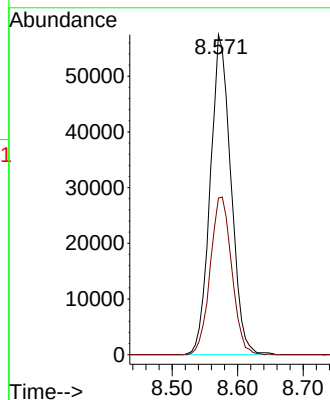
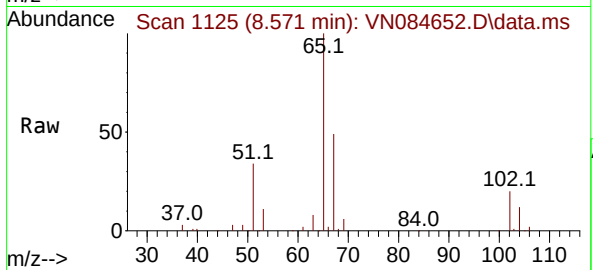
ClientSampleId :

Tgt Ion: 65 Resp: 125746

Ion Ratio Lower Upper

65 100

67 51.4 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: VN084652.D

Acq: 04 Nov 2024 13:05

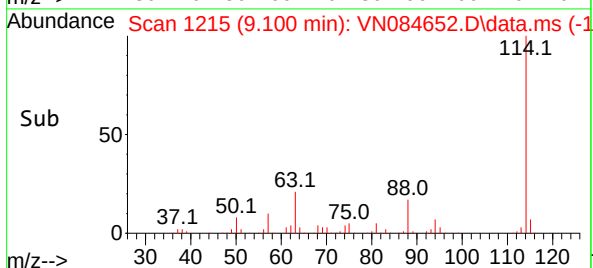
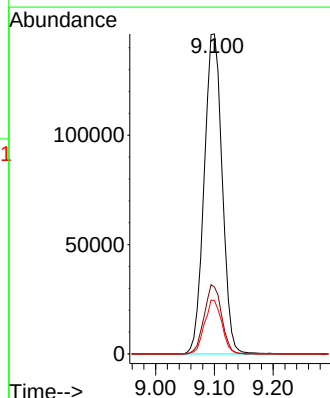
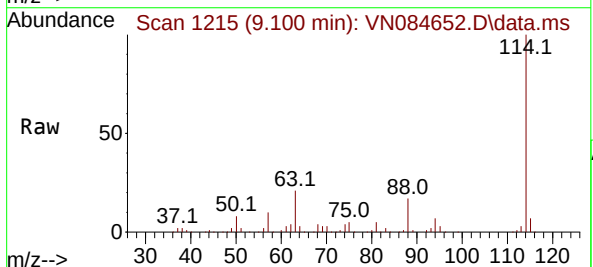
Tgt Ion: 114 Resp: 310818

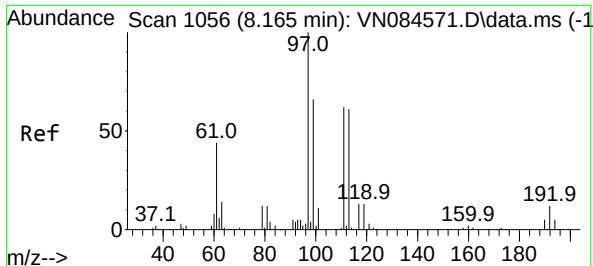
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

88 16.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.962 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

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ClientSampleId :

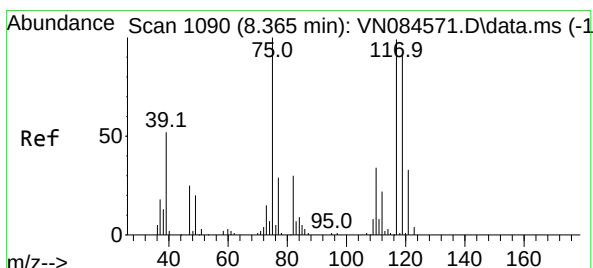
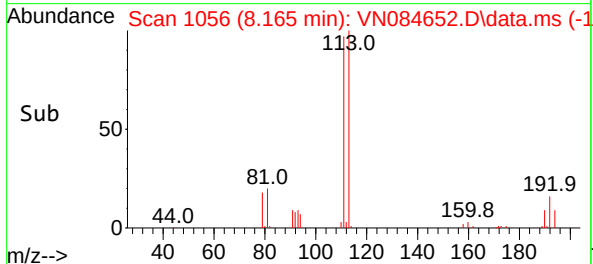
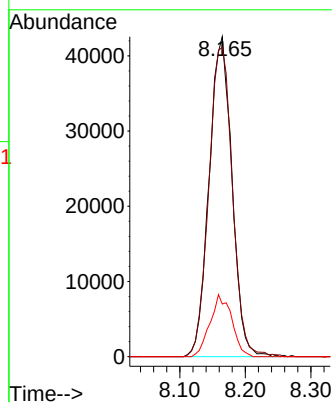
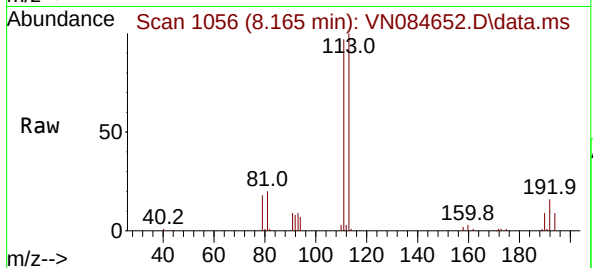
Tgt Ion:113 Resp: 103009

Ion Ratio Lower Upper

113 100

111 100.0 83.3 124.9

192 18.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.144 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084652.D

Acq: 04 Nov 2024 13:05

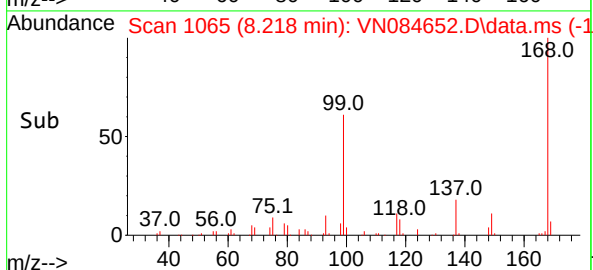
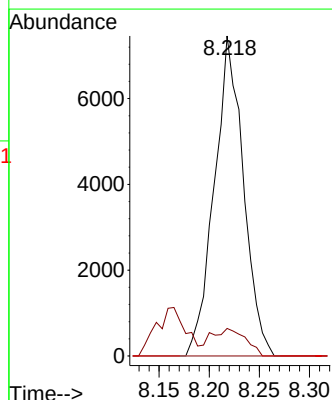
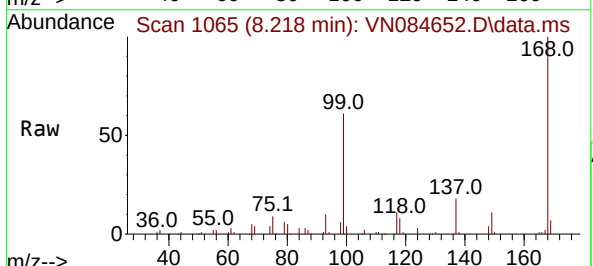
Tgt Ion: 75 Resp: 15008

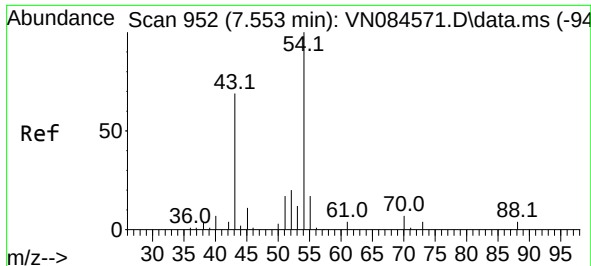
Ion Ratio Lower Upper

75 100

110 10.4 16.9 50.7#

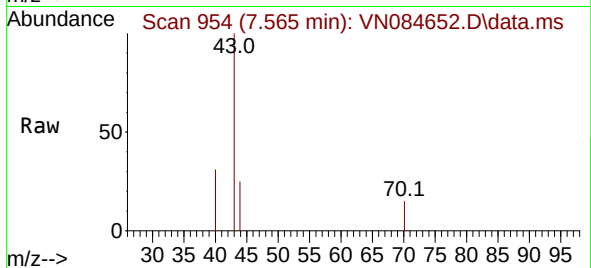
77 0.0 24.7 37.1#



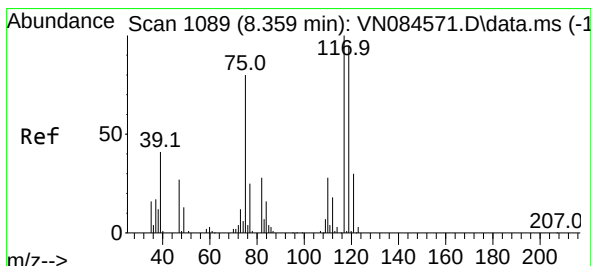
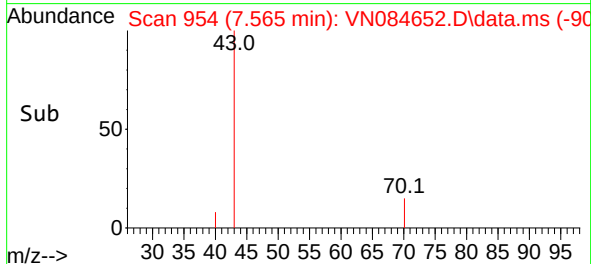
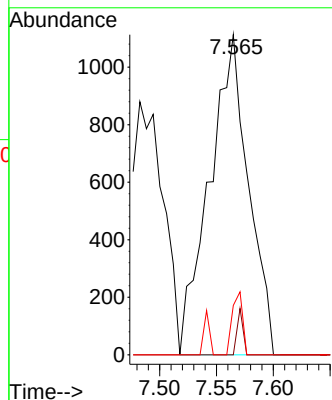


#37
Ethyl Acetate
Concen: 1.006 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

Instrument :
MSVOA_N
ClientSampleId :

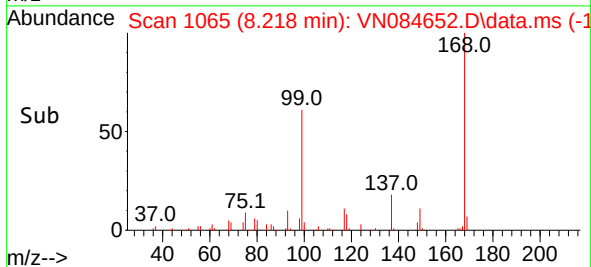
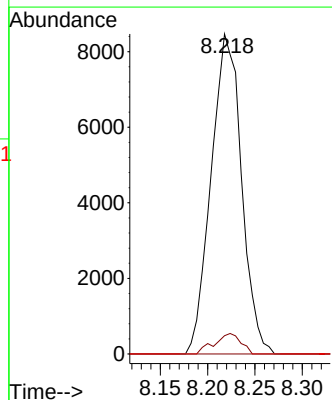
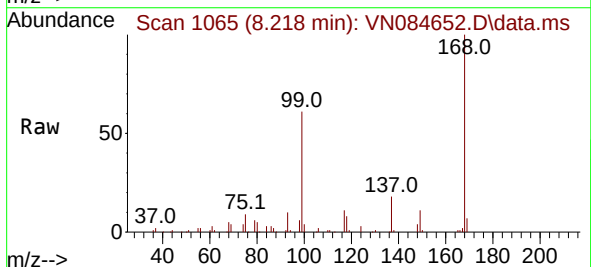


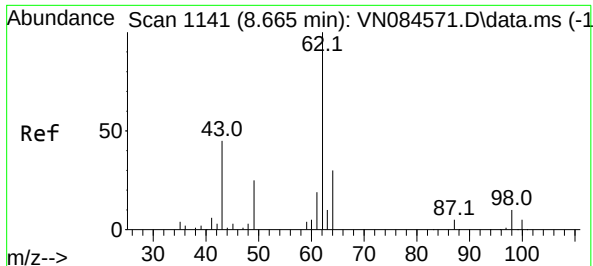
Tgt Ion: 43 Resp: 2663
Ion Ratio Lower Upper
43 100
61 2.1 10.7 16.1#
70 5.2 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.801 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

Tgt Ion: 117 Resp: 18918
Ion Ratio Lower Upper
117 100
119 5.7 78.7 118.1#
121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.270 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.011 min

Lab File: VN084652.D

Acq: 04 Nov 2024 13:05

Instrument :

MSVOA_N

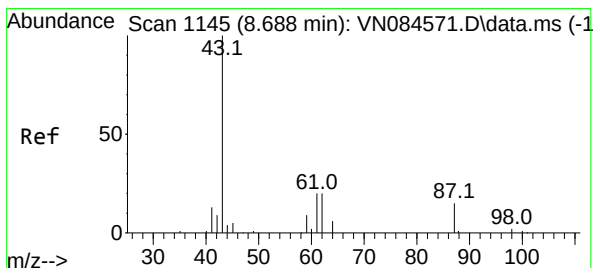
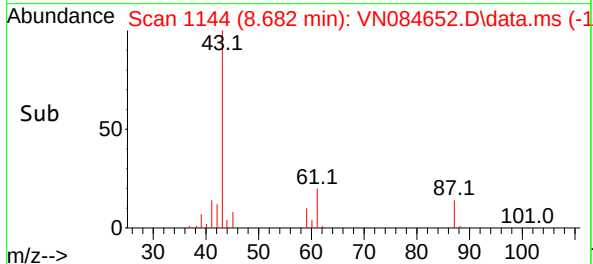
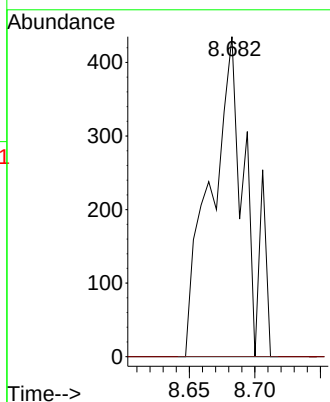
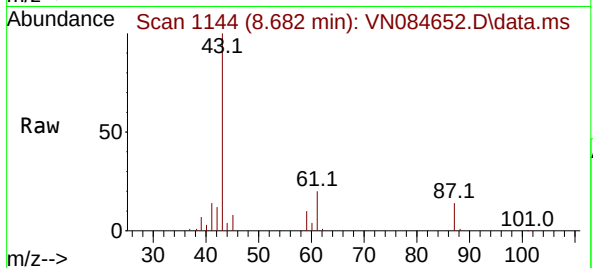
ClientSampleId :

Tgt Ion: 62 Resp: 818

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 22.758 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084652.D

Acq: 04 Nov 2024 13:05

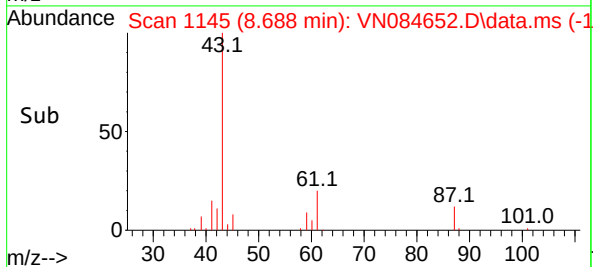
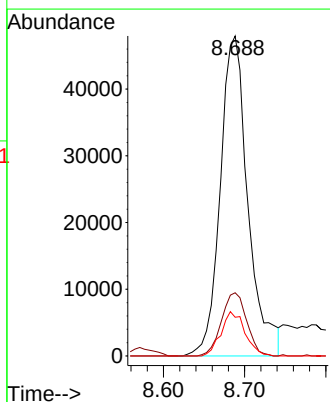
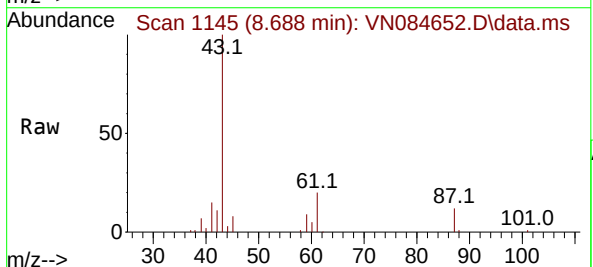
Tgt Ion: 43 Resp: 113874

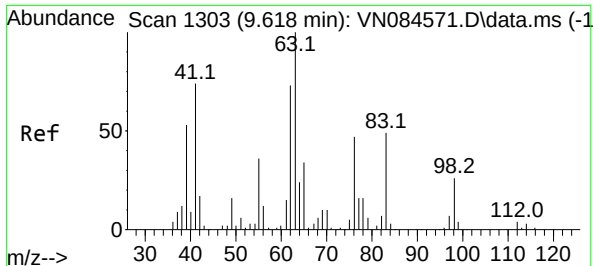
Ion Ratio Lower Upper

43 100

61 17.9 20.4 30.6#

87 12.0 10.3 15.5





#45

1,2-Dichloropropane

Concen: 0.525 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN084652.D

Acq: 04 Nov 2024 13:05

Instrument :

MSVOA_N

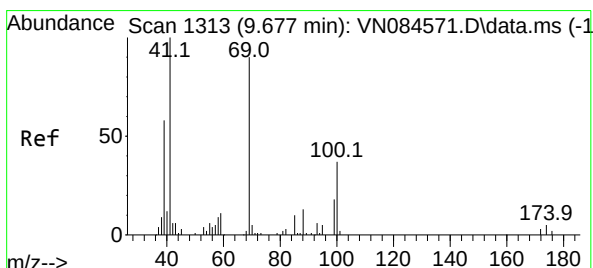
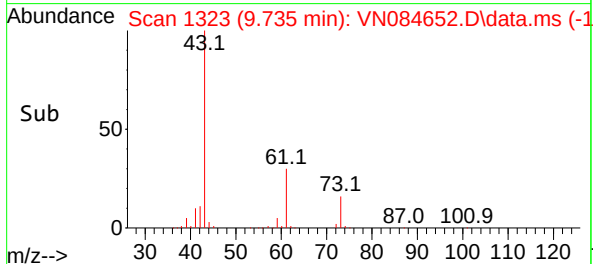
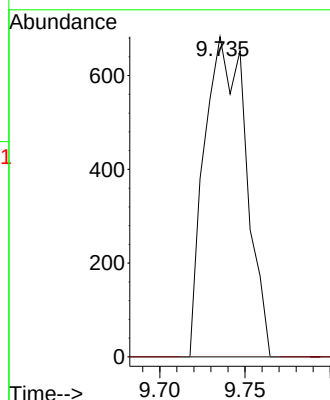
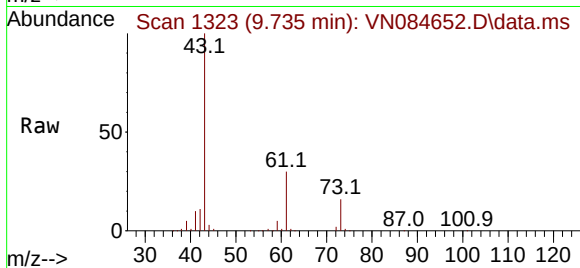
ClientSampleId :

Tgt Ion: 63 Resp: 1155

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.410 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN084652.D

Acq: 04 Nov 2024 13:05

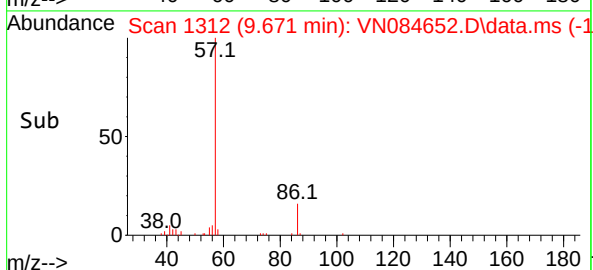
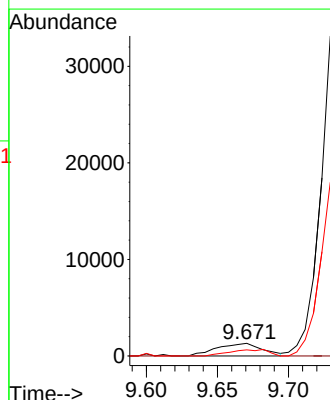
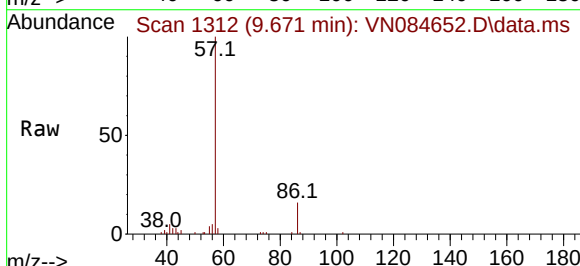
Tgt Ion: 41 Resp: 2905

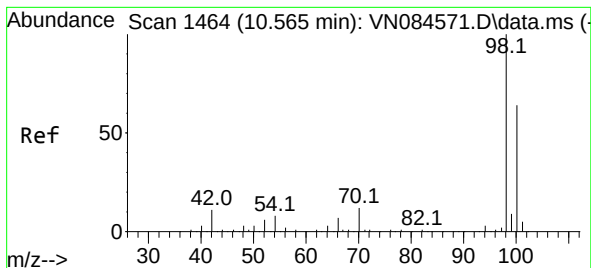
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 0.0 45.8 68.6#

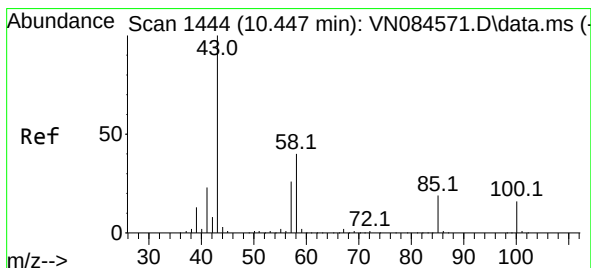
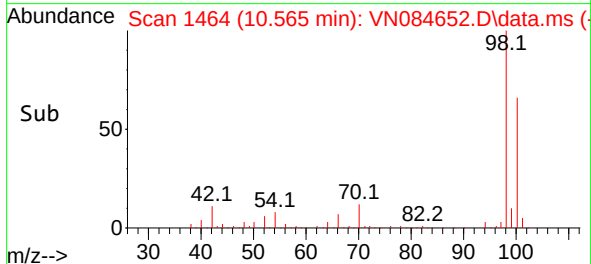
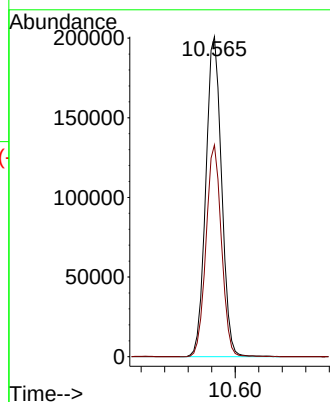
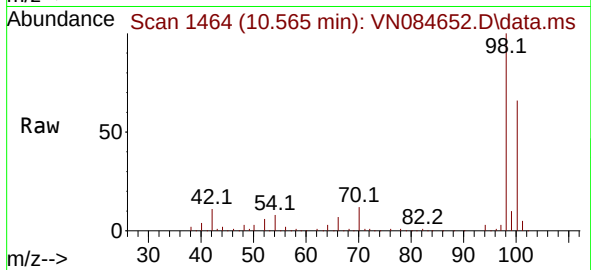




#50
Toluene-d8
Concen: 48.344 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

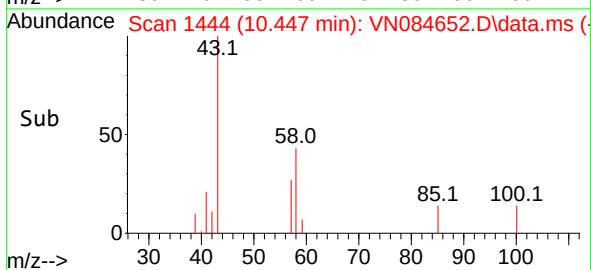
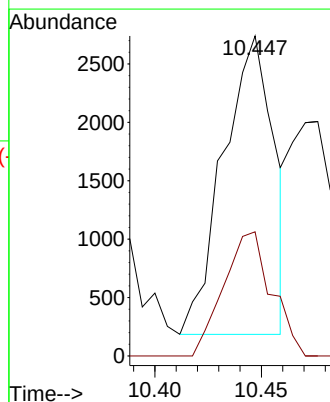
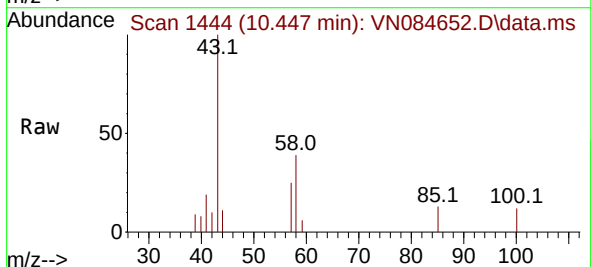
Instrument :
MSVOA_N
ClientSampleId :

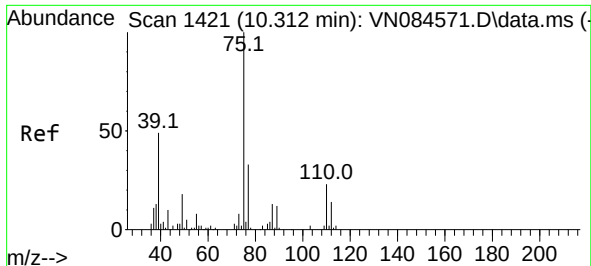
Tgt Ion: 98 Resp: 374662
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.675 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

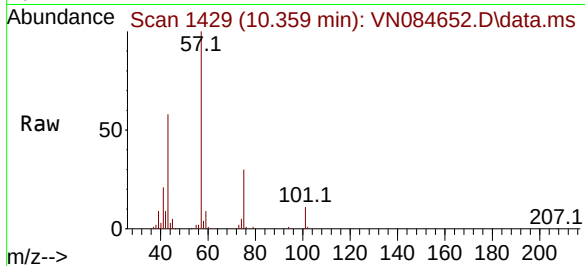
Tgt Ion: 43 Resp: 4228
Ion Ratio Lower Upper
43 100
58 39.4 31.6 47.4



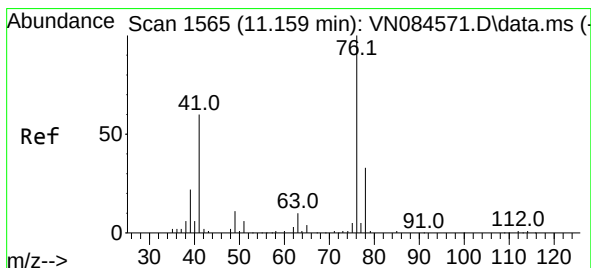
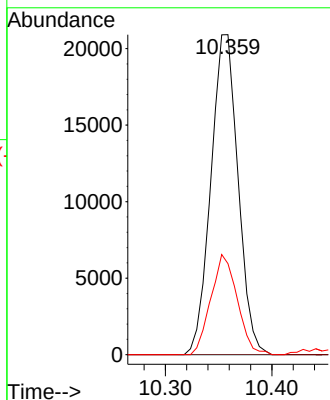
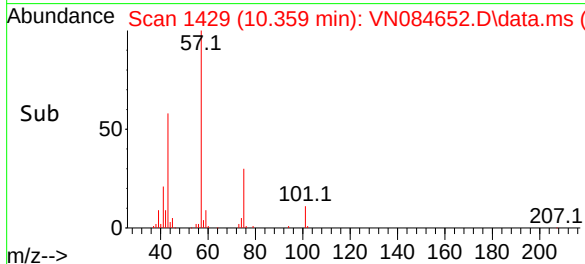


#54
cis-1,3-Dichloropropene
Concen: 10.362 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

Instrument :
MSVOA_N
ClientSampleId :

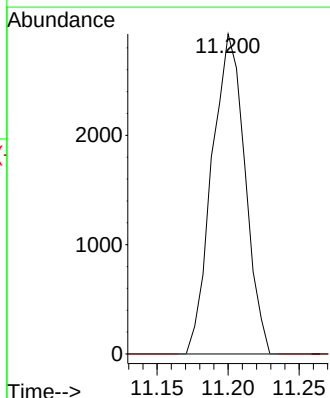
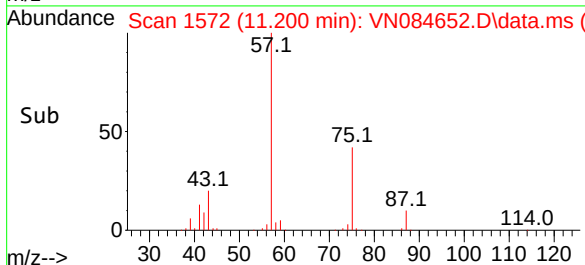
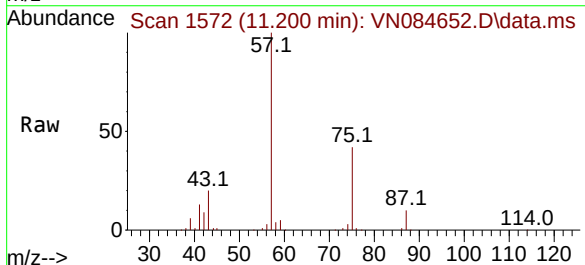


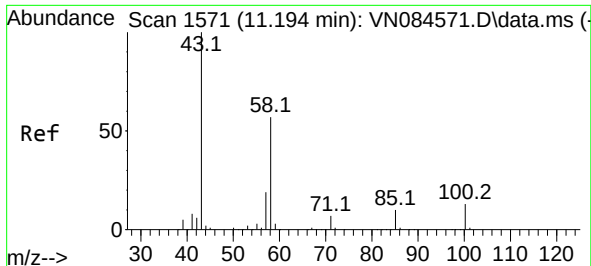
Tgt Ion: 75 Resp: 37117
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 28.5 38.7 58.1#



#57
1,3-Dichloropropane
Concen: 1.337 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

Tgt Ion: 76 Resp: 4737
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

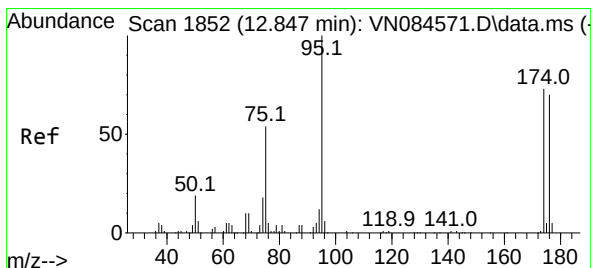
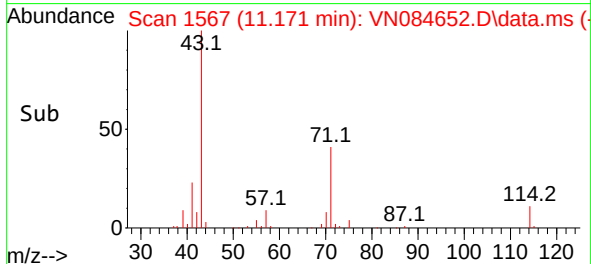
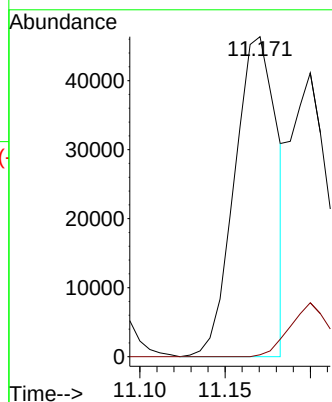
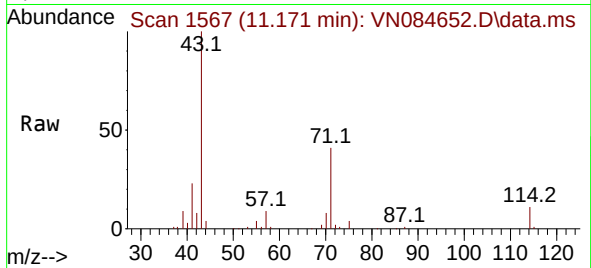




#59
2-Hexanone
Concen: 43.586 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

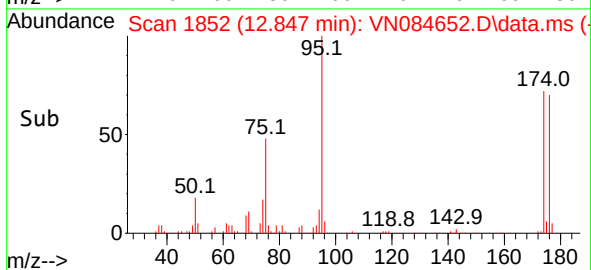
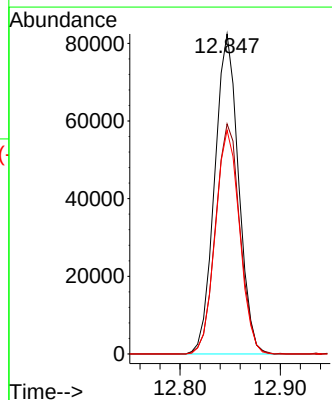
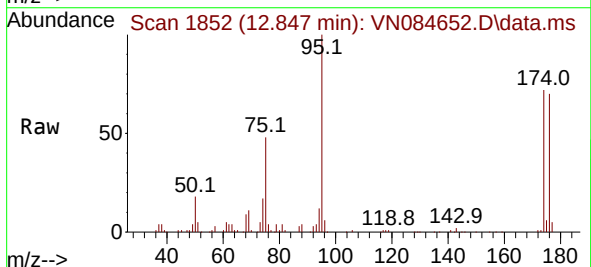
Instrument :
MSVOA_N
ClientSampleId :

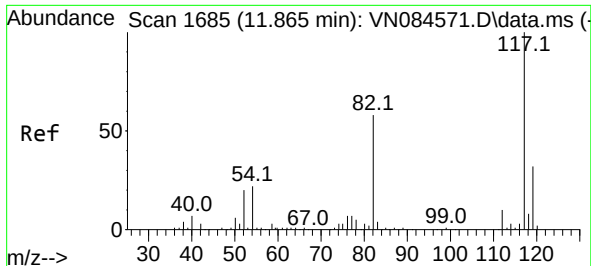
Tgt Ion: 43 Resp: 80064
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 47.058 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

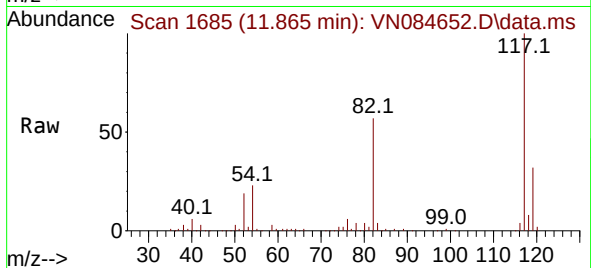
Tgt Ion: 95 Resp: 136300
Ion Ratio Lower Upper
95 100
174 73.7 0.0 145.2
176 71.0 0.0 140.0



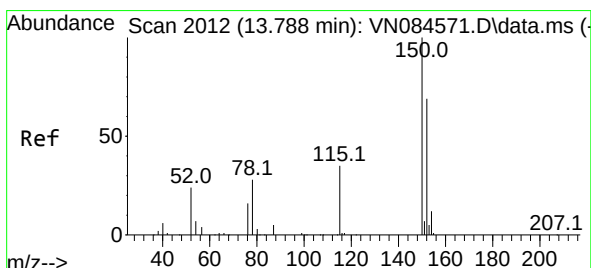
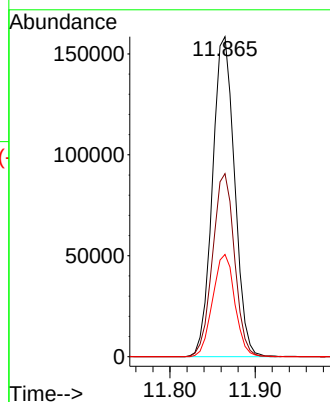
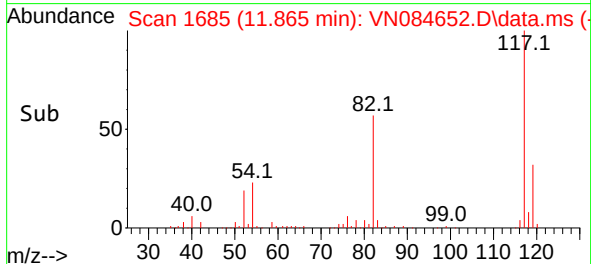


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

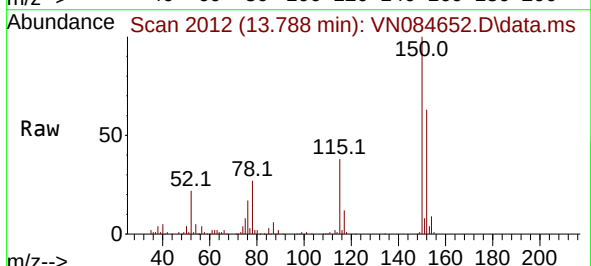
Instrument :
MSVOA_N
ClientSampleId :



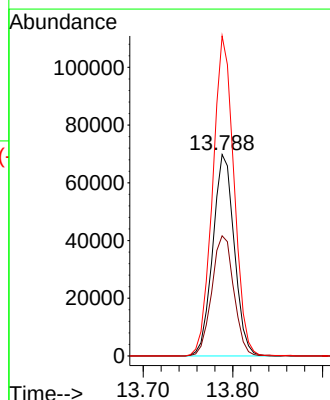
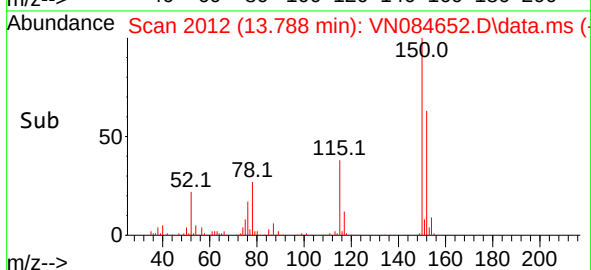
Tgt Ion:117 Resp: 286423
Ion Ratio Lower Upper
117 100
82 57.2 47.2 70.8
119 32.0 25.4 38.0

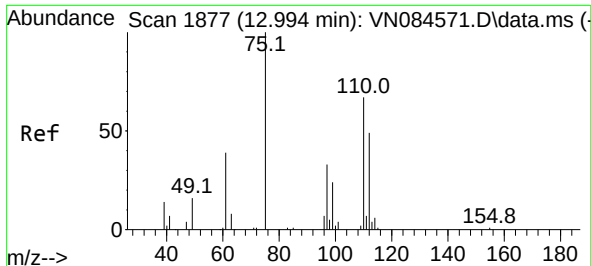


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05



Tgt Ion:152 Resp: 115944
Ion Ratio Lower Upper
152 100
115 61.1 31.3 93.9
150 157.7 0.0 349.8

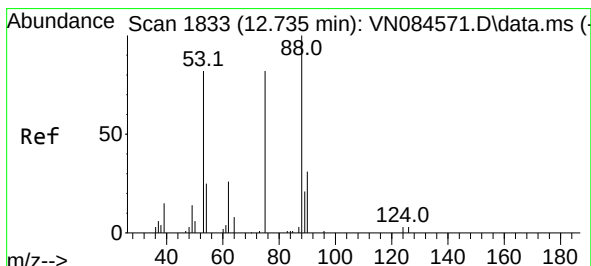
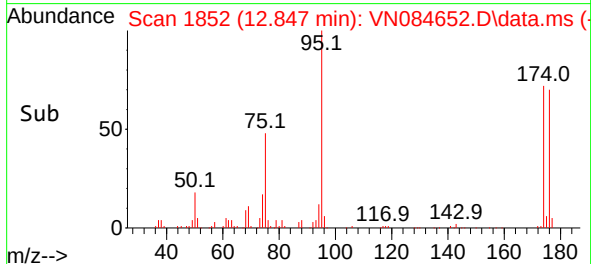
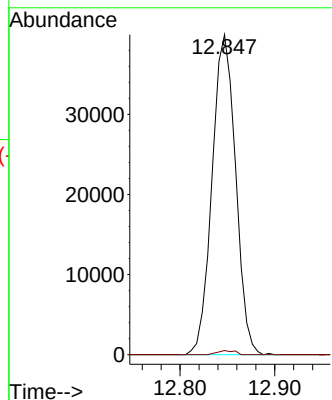
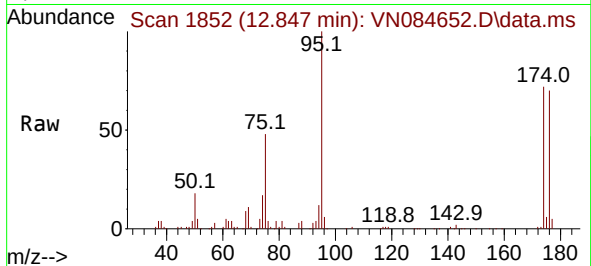




#76
1,2,3-Trichloropropane
Concen: 29.805 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

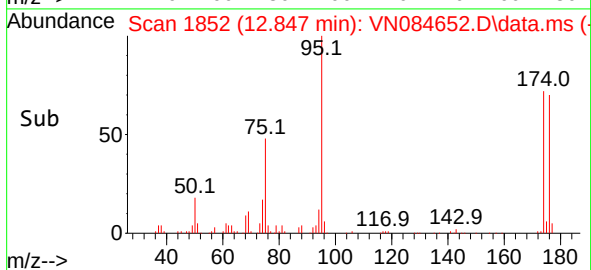
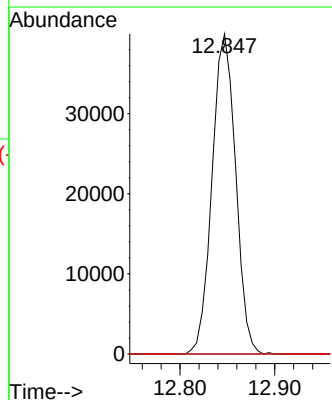
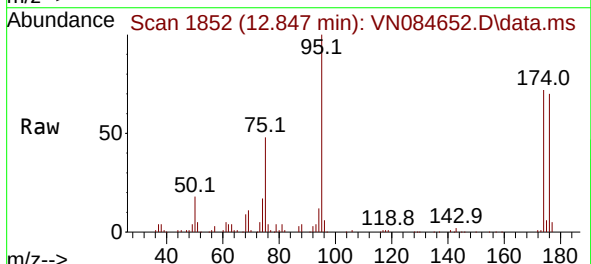
Instrument :
MSVOA_N
ClientSampleId :

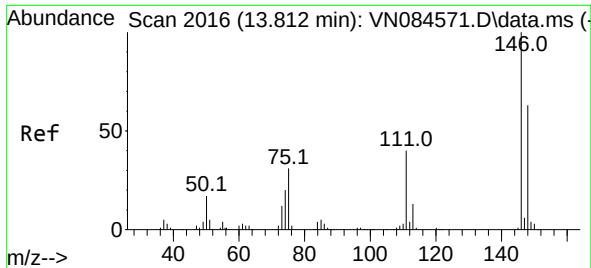
Tgt Ion: 75 Resp: 69077
Ion Ratio Lower Upper
75 100
77 1.0 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.708 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084652.D
Acq: 04 Nov 2024 13:05

Tgt Ion: 75 Resp: 69077
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: 13.823 min Scan# 20

Delta R.T. 0.011 min

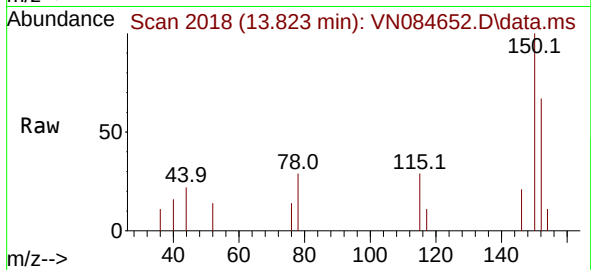
Lab File: VN084652.D

Acq: 04 Nov 2024 13:05

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:146 Resp: 709

Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

148 0.0 31.9 95.9#

