

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084610.D
 Acq On : 31 Oct 2024 08:58
 Operator : JC\MD
 Sample : PB164501ZHE#19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 06:21:25 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

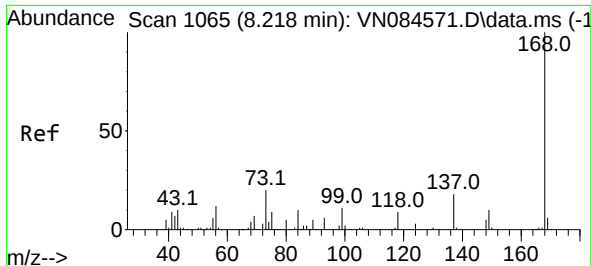
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	167666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	313643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128263	52.965	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.920%			
35) Dibromofluoromethane	8.165	113	99897	47.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.100%			
50) Toluene-d8	10.565	98	373491	47.759	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.520%			
62) 4-Bromofluorobenzene	12.847	95	131730	45.071	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.140%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	943	Below Cal	#	41
5) Bromomethane	2.906	94	238	0.217	ug/l #	4
6) Chloroethane	3.130	64	332	Below Cal	#	45
11) Tert butyl alcohol	5.494	59	5097	15.945	ug/l #	73
16) Acetone	4.436	43	33619	45.729	ug/l	94
18) Methyl Acetate	5.030	43	15256	2.150	ug/l	94
20) Methylene Chloride	5.259	84	2532	1.189	ug/l	86
25) 2-Butanone	7.483	43	3625	3.209	ug/l	99
29) Tetrahydrofuran	7.865	42	327	0.436	ug/l #	34
31) Cyclohexane	8.218	56	3810	1.140	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14402	4.891	ug/l #	49
37) Ethyl Acetate	7.571	43	2960	1.108	ug/l #	79
38) Carbon Tetrachloride	8.224	117	18834	5.723	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	1145	0.374	ug/l #	75
43) Isopropyl Acetate	8.688	43	242137	49.045	ug/l #	76
45) 1,2-Dichloropropane	9.747	63	1461	0.659	ug/l #	44
48) Methyl methacrylate	9.671	41	3489	1.678	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	8790	3.452	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	40937	11.326	ug/l #	61
56) Ethyl methacrylate	10.982	69	1760	0.584	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5748	1.608	ug/l #	42
59) 2-Hexanone	11.200	43	66532	35.893	ug/l #	54
74) N-amyl acetate	12.488	43	999	0.283	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	67554	28.593	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67554	67.833	ug/l #	11

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

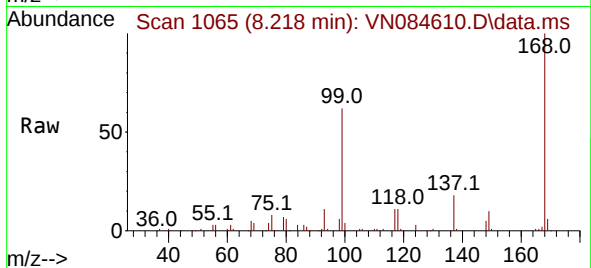
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



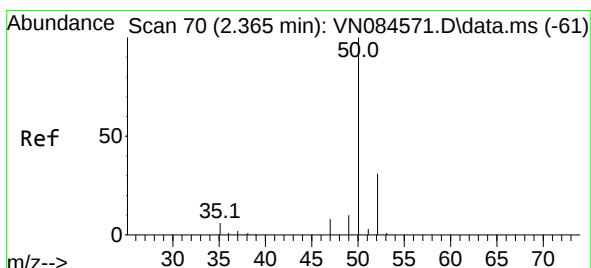
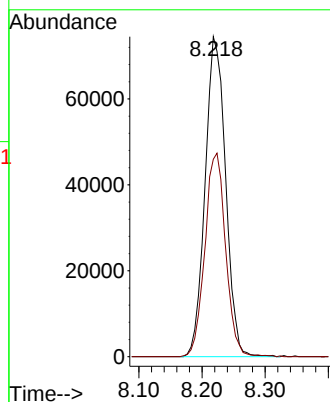
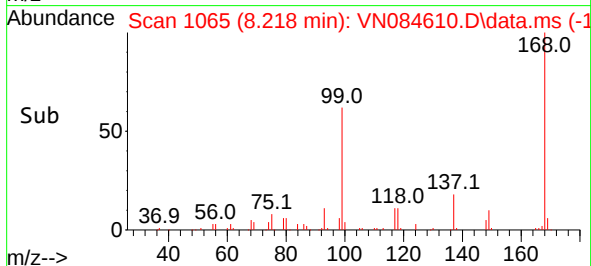


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Instrument :
MSVOA_N
ClientSampleId :

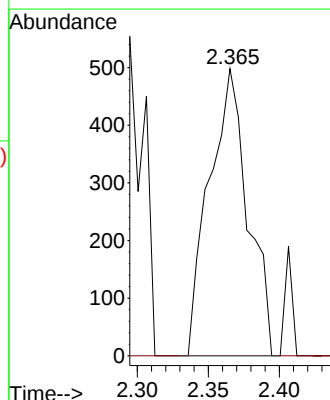
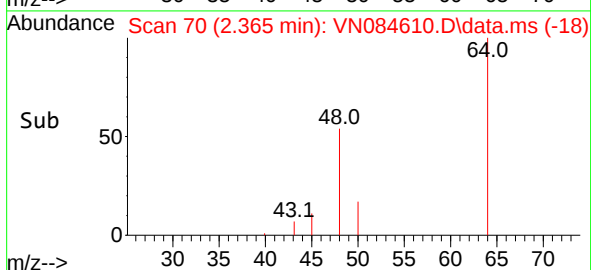
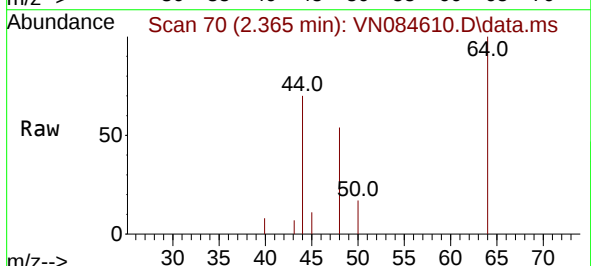


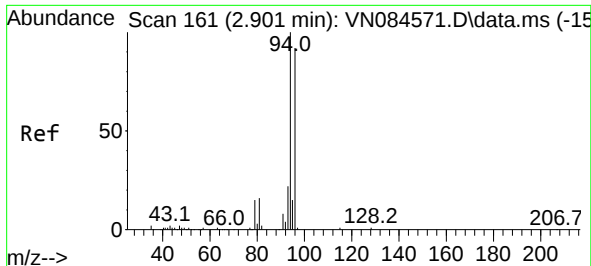
Tgt Ion:168 Resp: 167666
Ion Ratio Lower Upper
168 100
99 61.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Tgt Ion: 50 Resp: 943
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

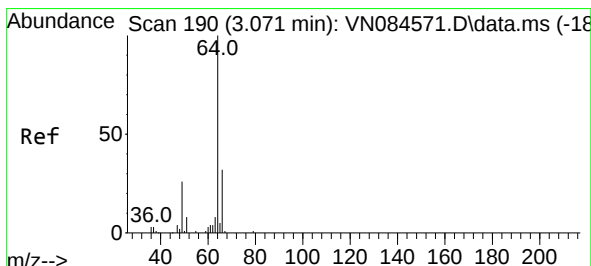
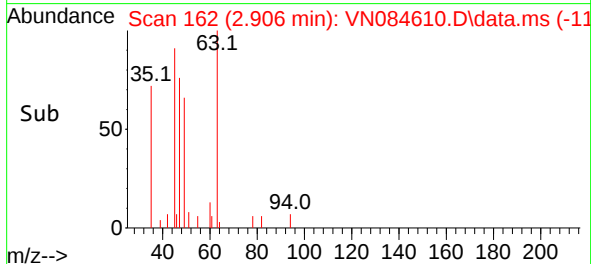
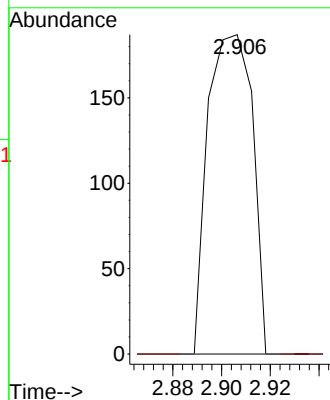
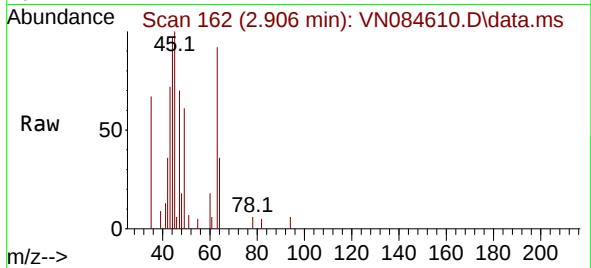




#5
Bromomethane
Concen: 0.217 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

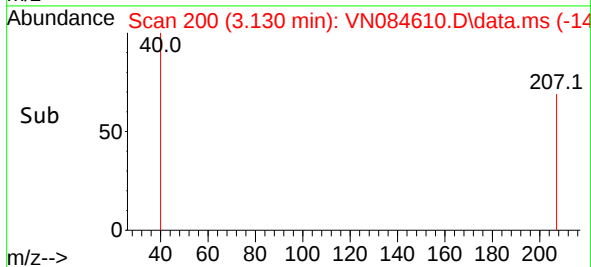
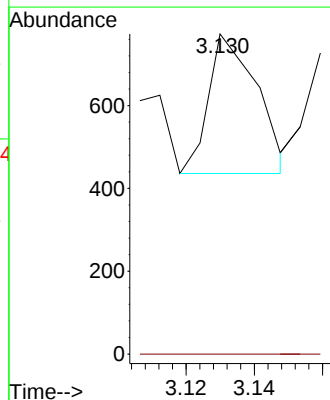
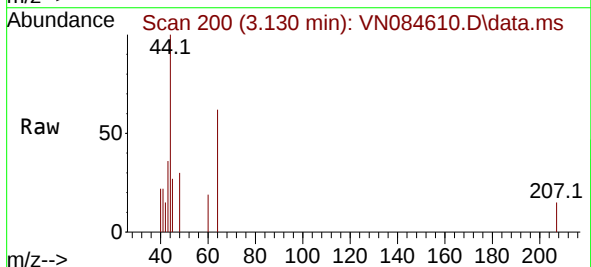
Instrument :
MSVOA_N
ClientSampleId :

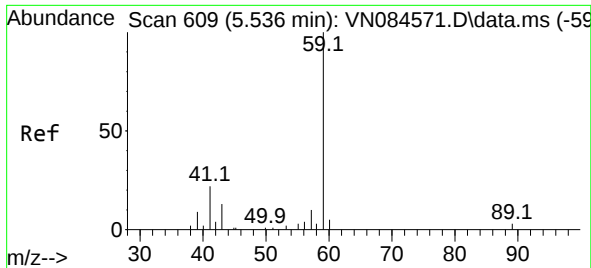
Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Tgt Ion: 64 Resp: 332
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

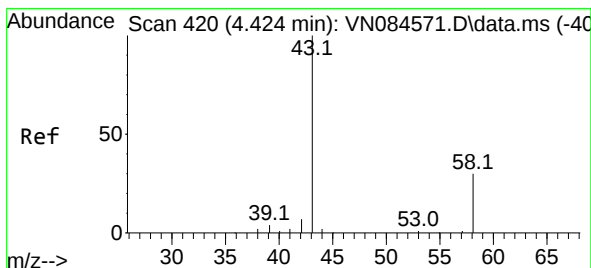
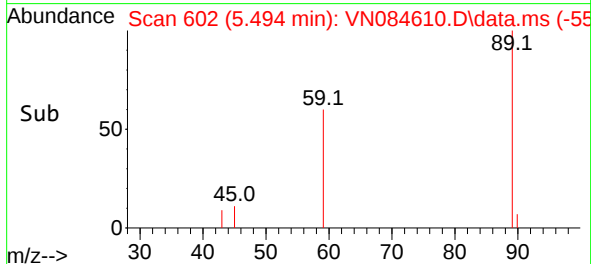
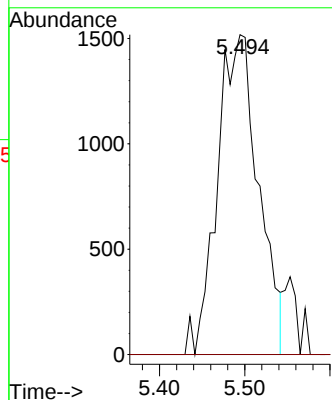
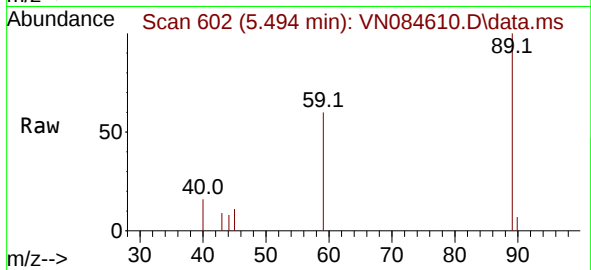




#11
Tert butyl alcohol
Concen: 15.945 ug/l
RT: 5.494 min Scan# 609
Delta R.T. -0.029 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

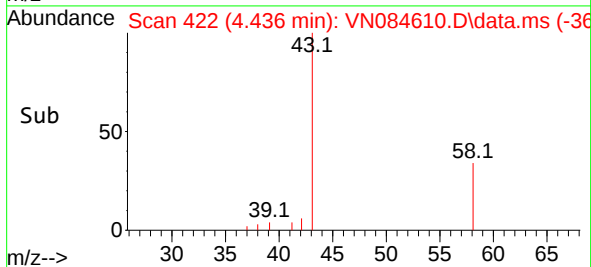
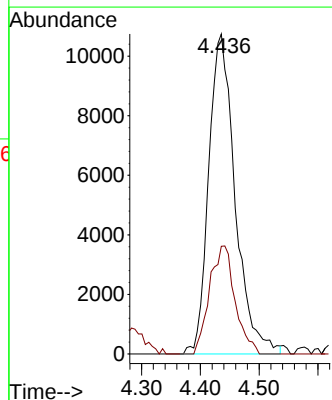
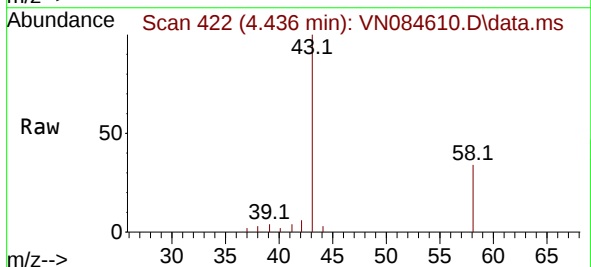
Instrument :
MSVOA_N
ClientSampleId :

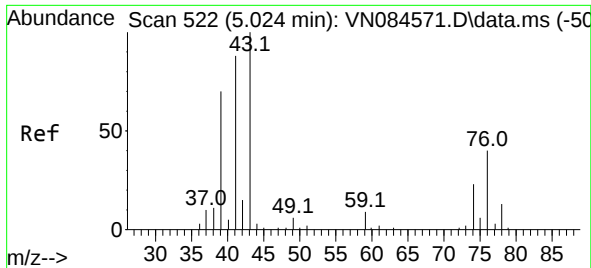
Tgt Ion: 59 Resp: 5097
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 45.729 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

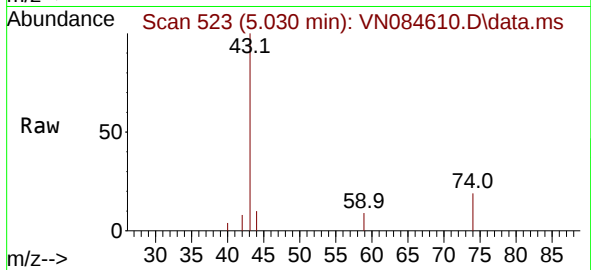
Tgt Ion: 43 Resp: 33619
Ion Ratio Lower Upper
43 100
58 33.6 24.4 36.6



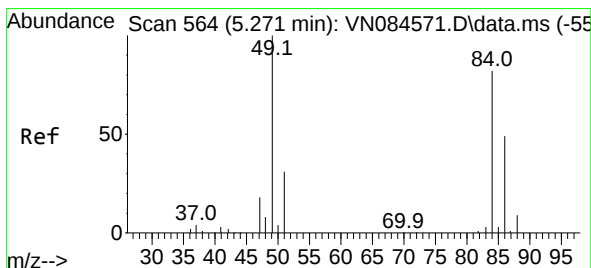
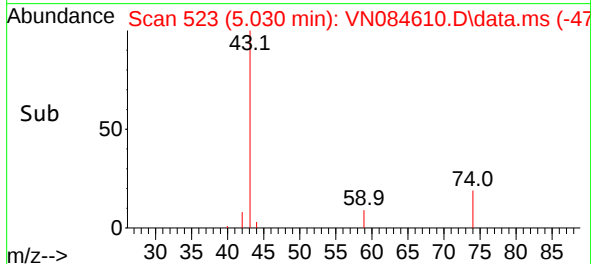
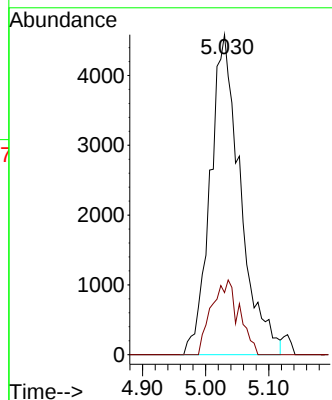


#18
Methyl Acetate
Concen: 2.150 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Instrument :
MSVOA_N
ClientSampleId :

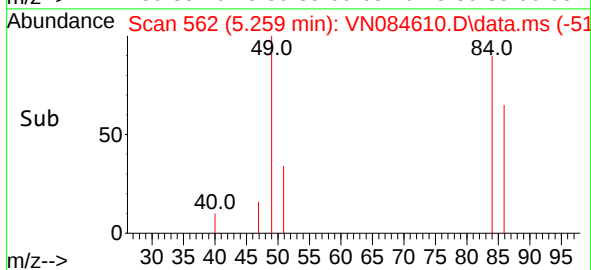
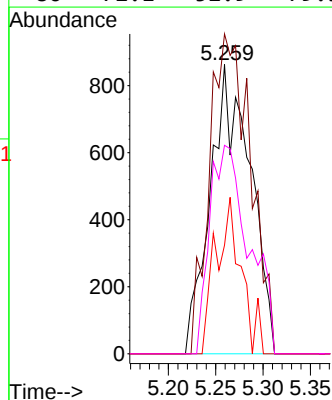
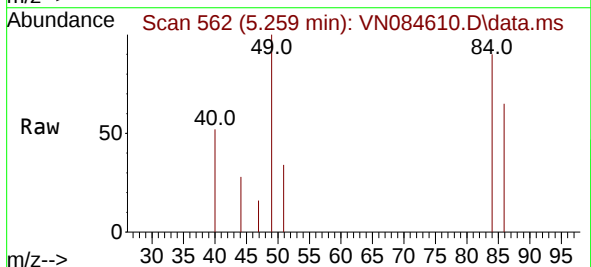


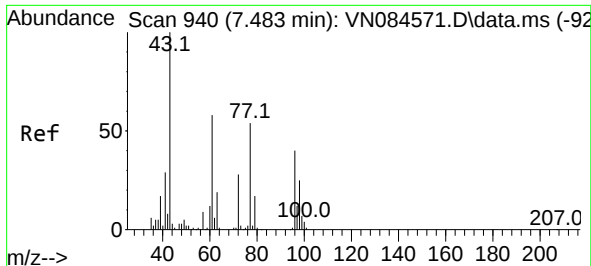
Tgt Ion: 43 Resp: 15256
Ion Ratio Lower Upper
43 100
74 21.2 19.2 28.8



#20
Methylene Chloride
Concen: 1.189 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Tgt Ion: 84 Resp: 2532
Ion Ratio Lower Upper
84 100
49 110.5 107.2 160.8
51 37.5 31.8 47.8
86 72.1 52.9 79.3

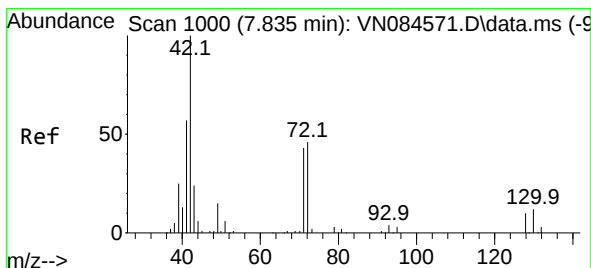
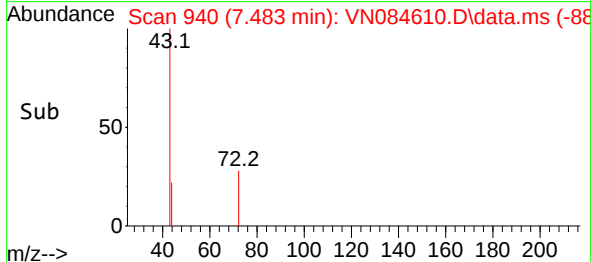
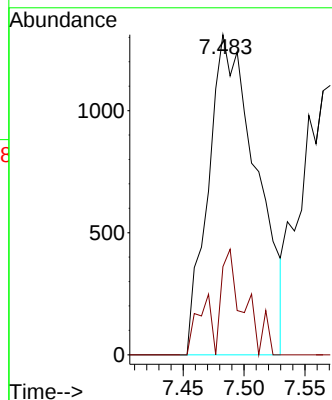
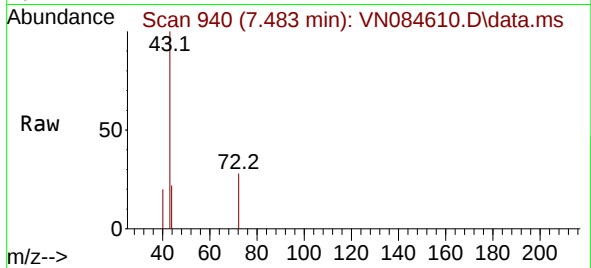




#25
2-Butanone
Concen: 3.209 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

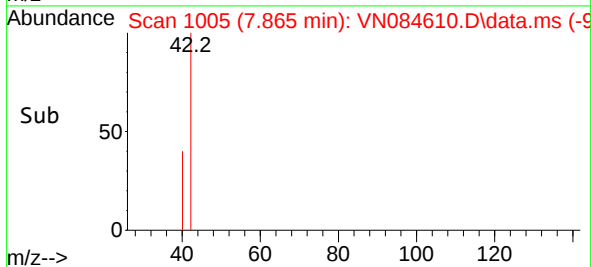
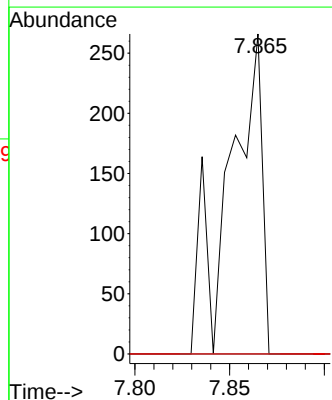
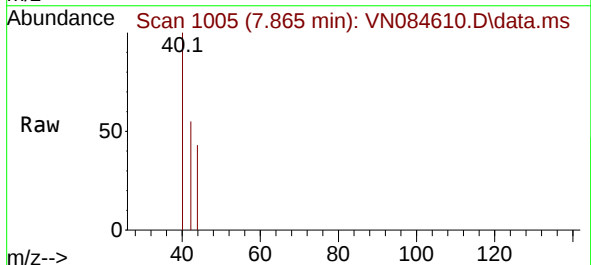
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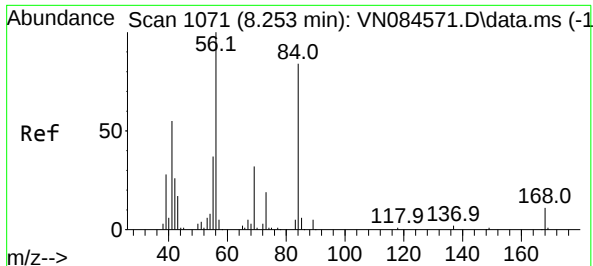
Tgt Ion: 43 Resp: 3625
Ion Ratio Lower Upper
43 100
72 27.5 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.436 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.029 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

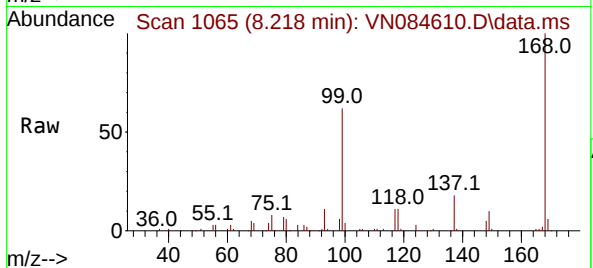
Tgt Ion: 42 Resp: 327
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.2 48.4#



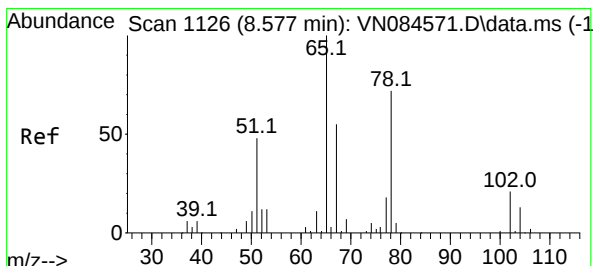
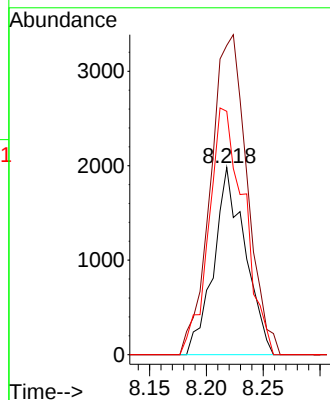
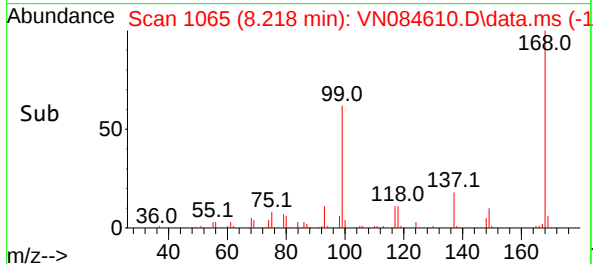


#31
Cyclohexane
Concen: 1.140 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Instrument :
MSVOA_N
ClientSampleId :

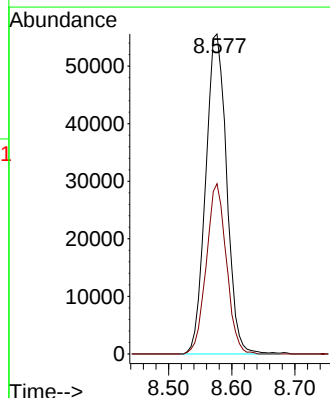
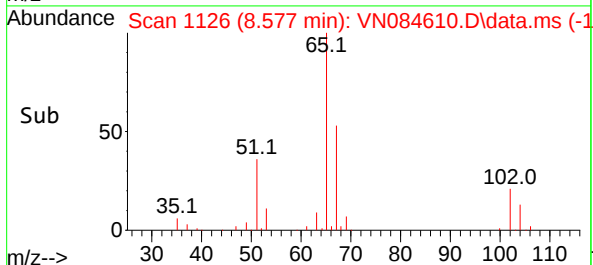
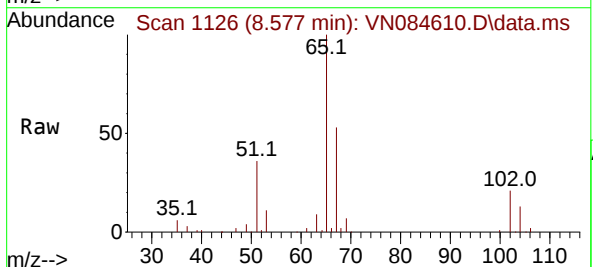


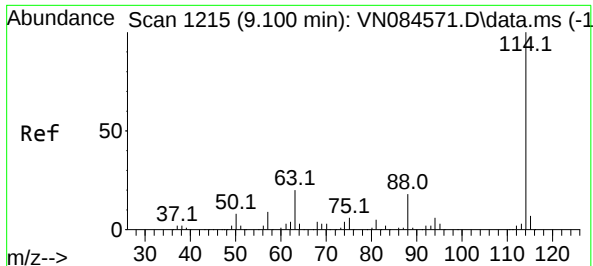
Tgt Ion: 56 Resp: 3810
Ion Ratio Lower Upper
56 100
69 165.1 23.8 35.6#
84 130.0 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 52.965 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Tgt Ion: 65 Resp: 128263
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.0

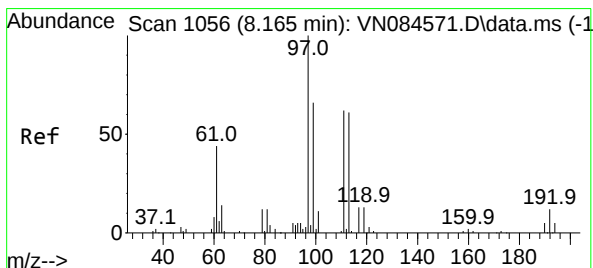
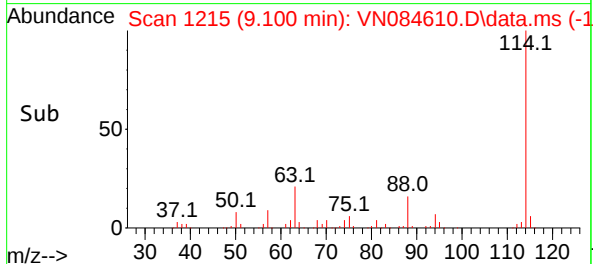
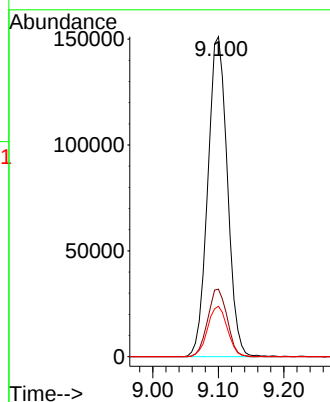
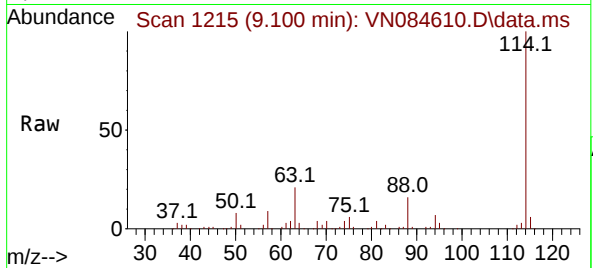




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

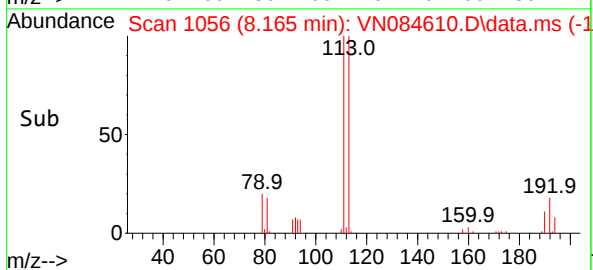
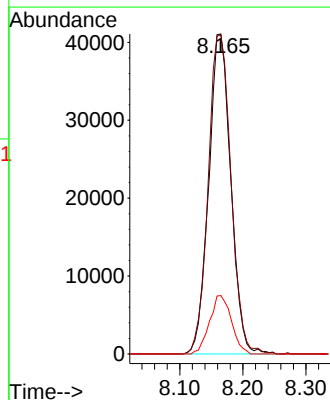
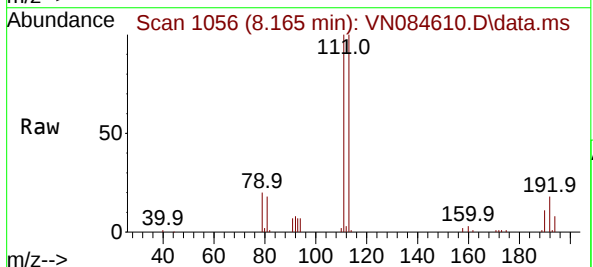
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MSVOA_N
ClientSampleId :

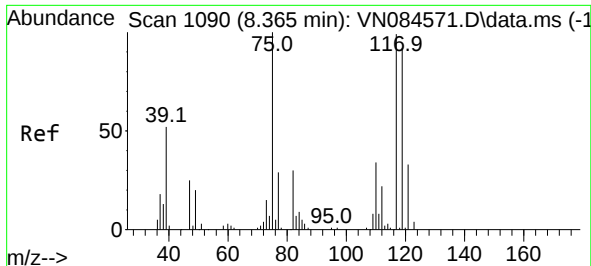
Tgt Ion:114 Resp: 313643
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.8
88 15.7 0.0 31.6



#35
Dibromofluoromethane
Concen: 47.055 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

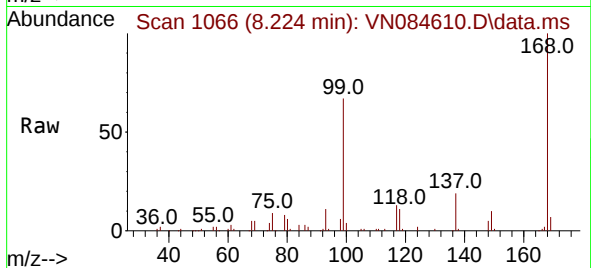
Tgt Ion:113 Resp: 99897
Ion Ratio Lower Upper
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111 102.7 83.3 124.9
192 18.0 13.5 20.3



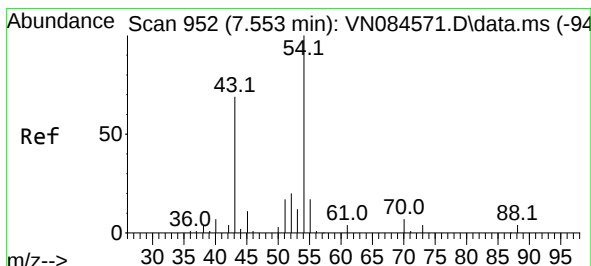
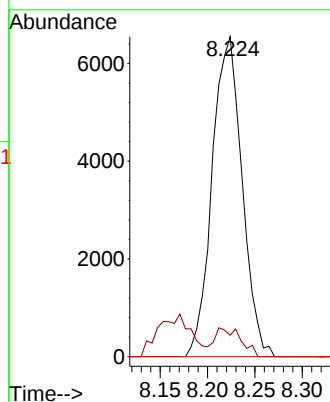
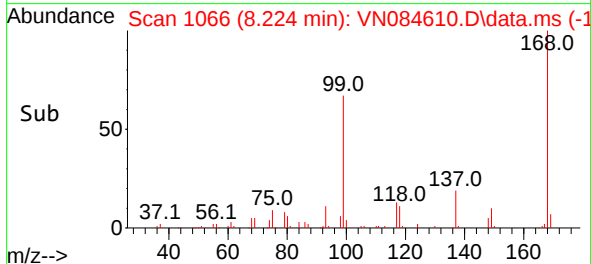


#36
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

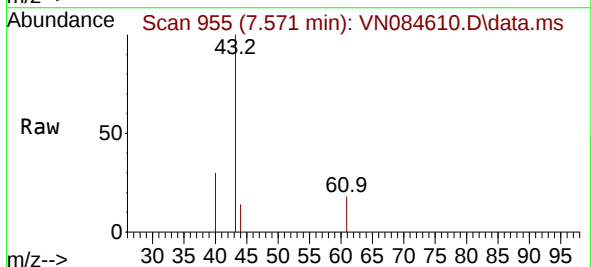
Instrument :
MSVOA_N
ClientSampleId :



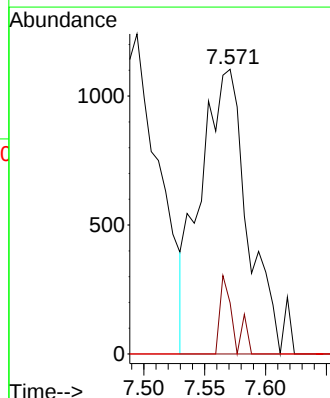
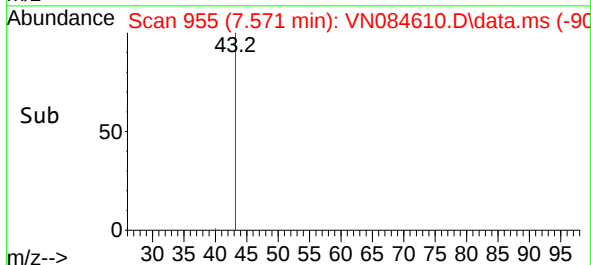
Tgt Ion: 75 Resp: 14402
Ion Ratio Lower Upper
75 100
110 7.7 16.9 50.7#
77 0.0 24.7 37.1#

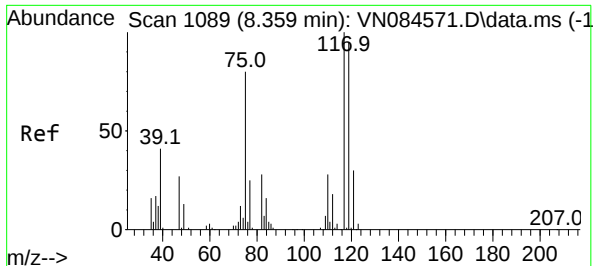


#37
Ethyl Acetate
Concen: 1.108 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58



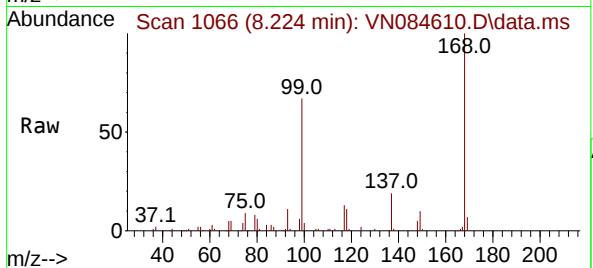
Tgt Ion: 43 Resp: 2960
Ion Ratio Lower Upper
43 100
61 7.8 10.7 16.1#
70 0.0 8.8 13.2#



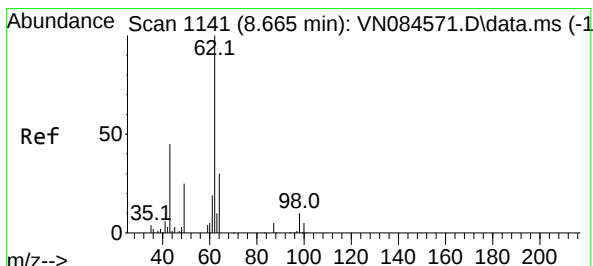
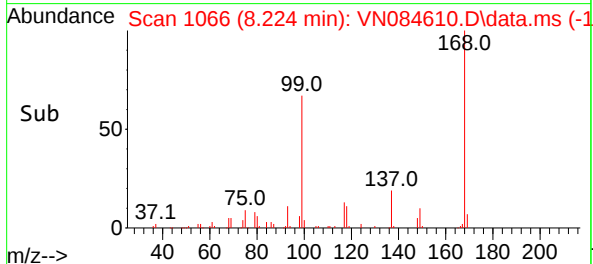
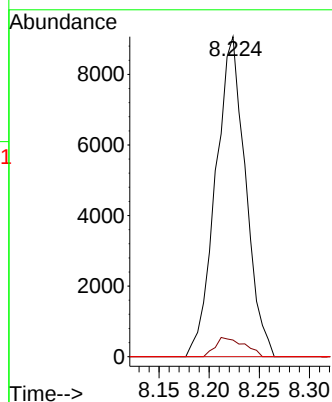


#38
Carbon Tetrachloride
Concen: 5.723 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Instrument :
MSVOA_N
ClientSampleId :

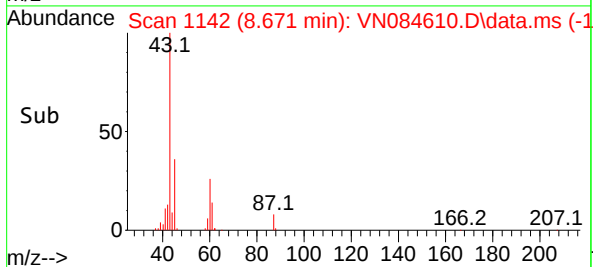
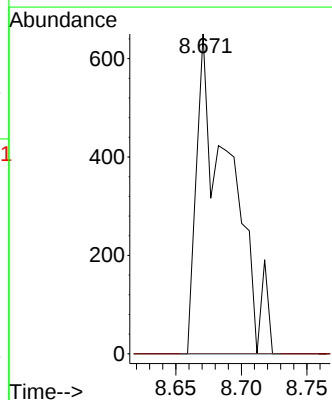
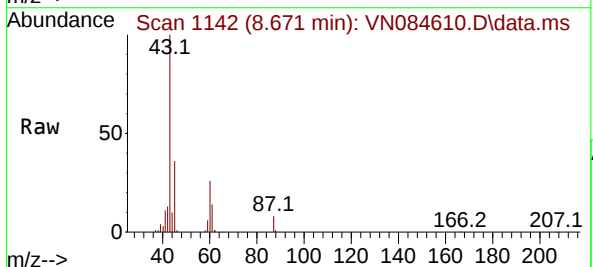


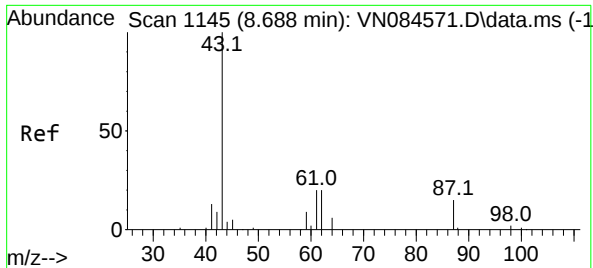
Tgt Ion:117 Resp: 18834
Ion Ratio Lower Upper
117 100
119 5.2 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.374 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Tgt Ion: 62 Resp: 1145
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

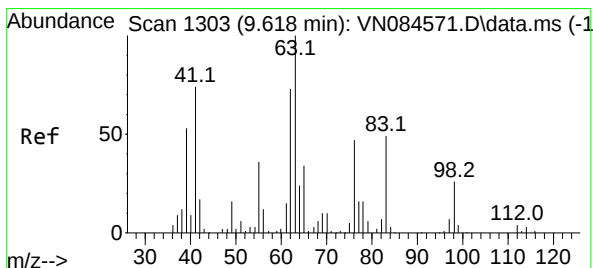
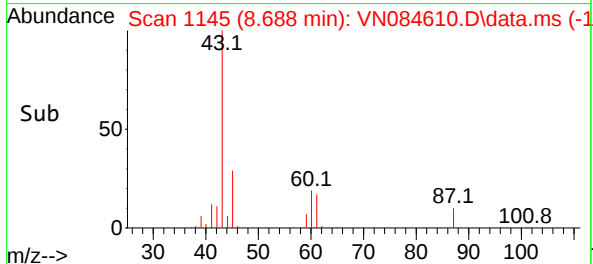
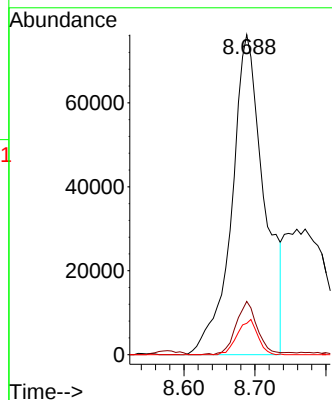
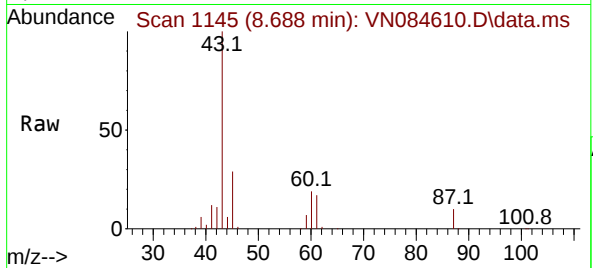




#43
Isopropyl Acetate
Concen: 49.045 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

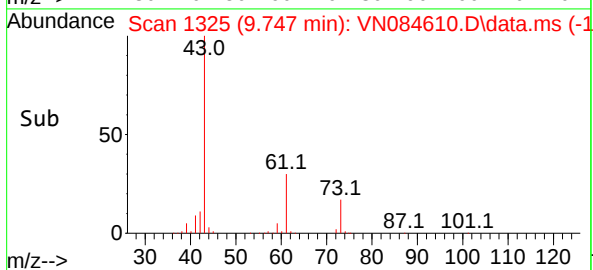
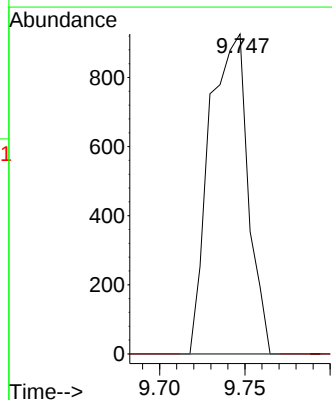
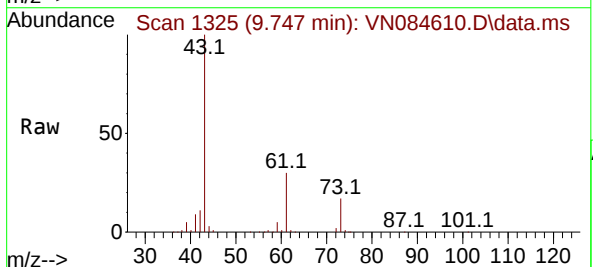
Instrument :
MSVOA_N
ClientSampleId :

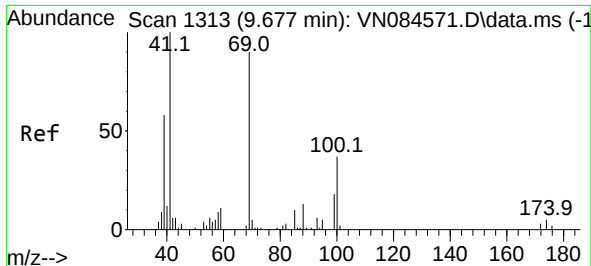
Tgt Ion: 43 Resp: 242137
Ion Ratio Lower Upper
43 100
61 11.0 20.4 30.6#
87 6.9 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.659 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.129 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Tgt Ion: 63 Resp: 1461
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

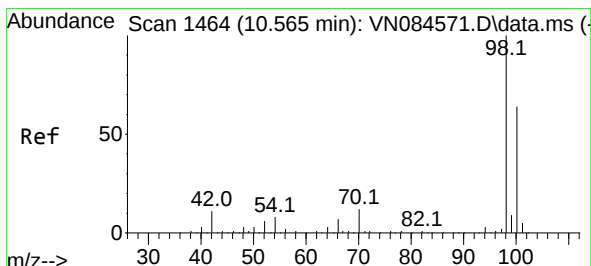
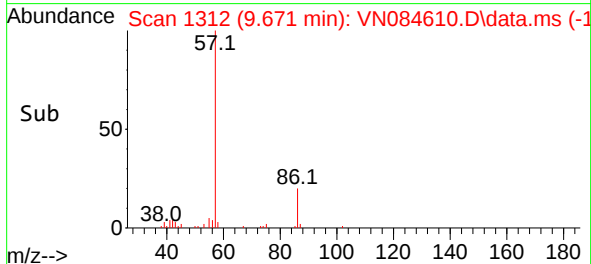
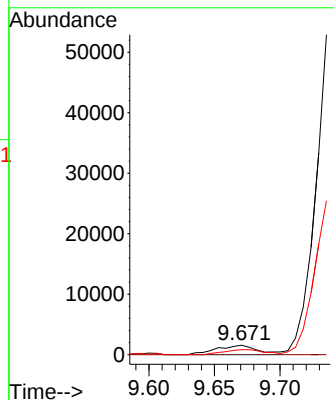
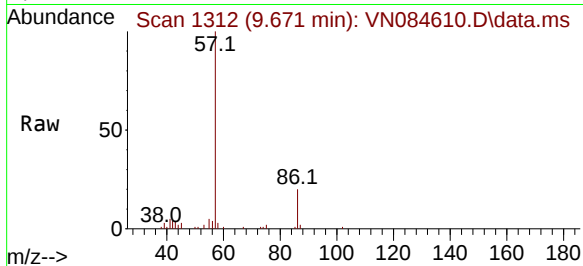




#48
Methyl methacrylate
Concen: 1.678 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

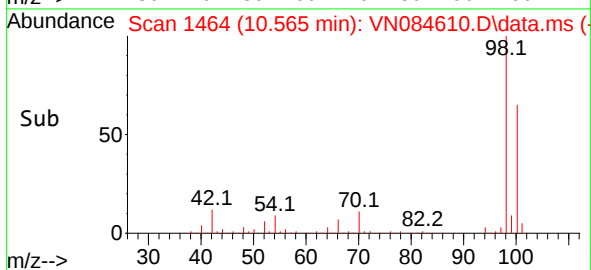
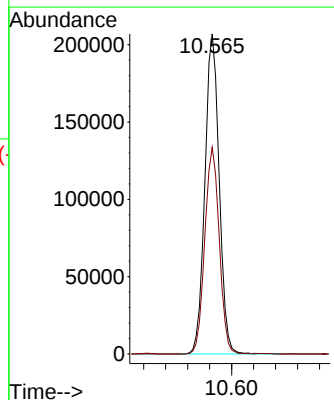
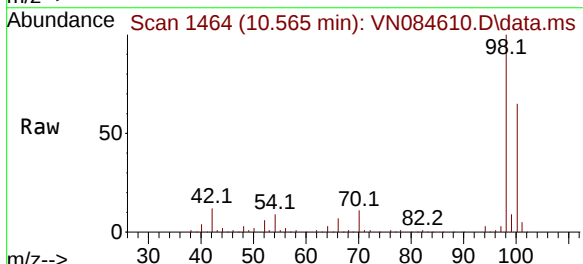
Instrument :
MSVOA_N
ClientSampleId :

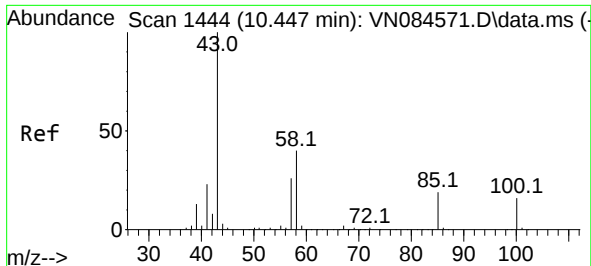
Tgt Ion: 41 Resp: 3489
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 51.1 45.8 68.6



#50
Toluene-d8
Concen: 47.759 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Tgt Ion: 98 Resp: 373491
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1

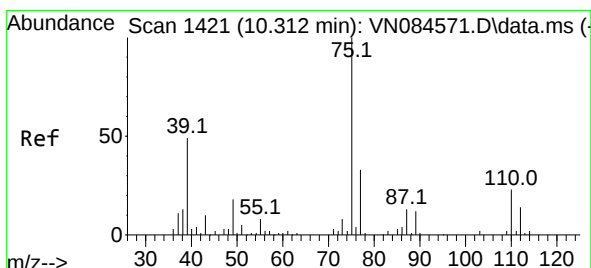
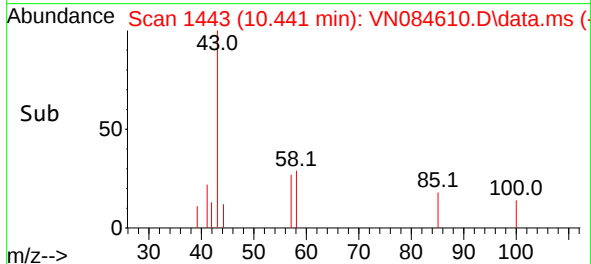
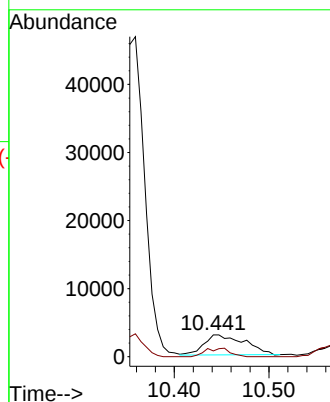
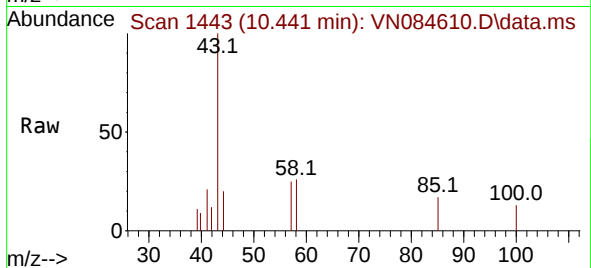




#51
4-Methyl-2-Pentanone
Concen: 3.452 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

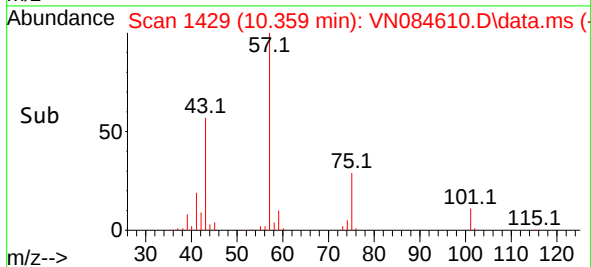
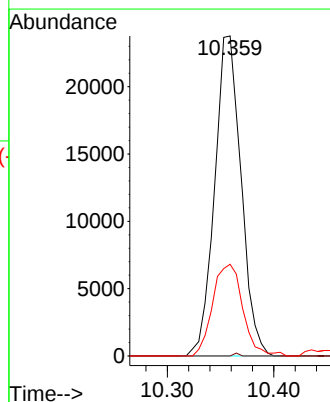
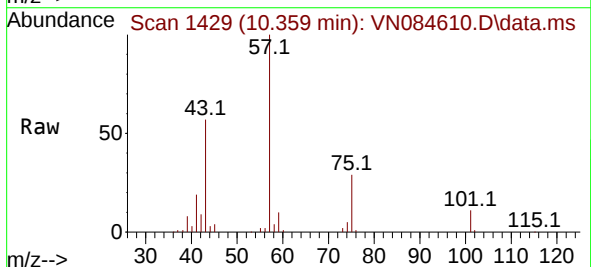
Instrument :
MSVOA_N
ClientSampleId :

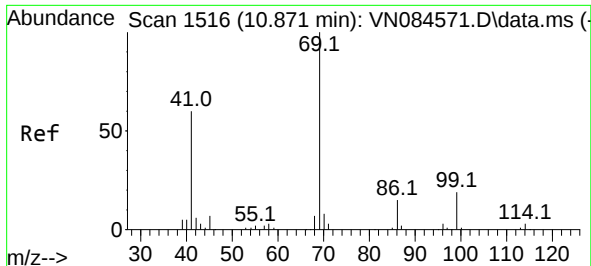
Tgt Ion: 43 Resp: 8790
Ion Ratio Lower Upper
43 100
58 25.2 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 11.326 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Tgt Ion: 75 Resp: 40937
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 28.6 38.7 58.1#

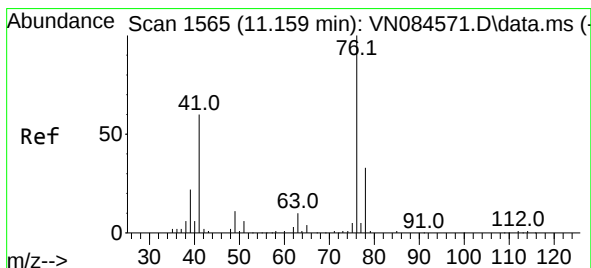
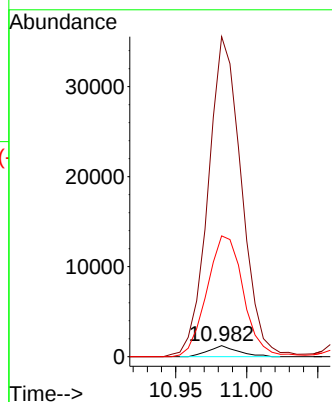
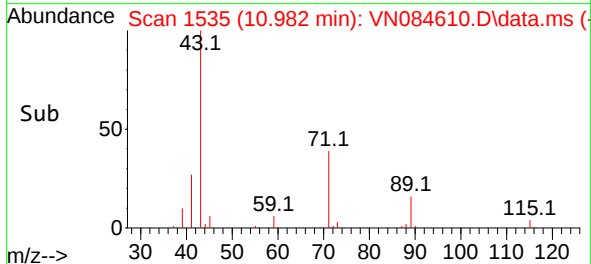
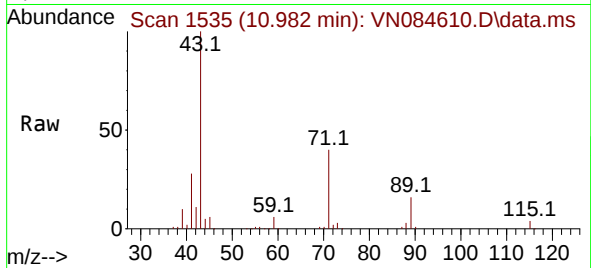




#56
Ethyl methacrylate
Concen: 0.584 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

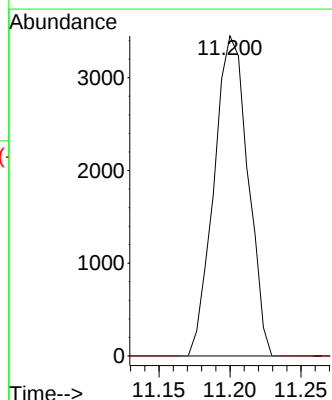
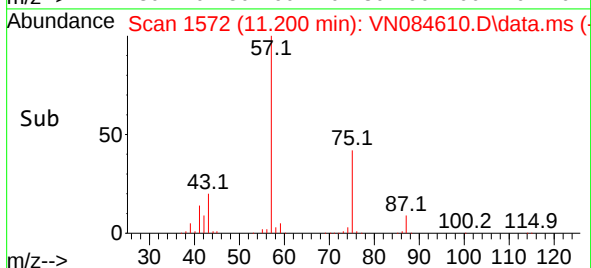
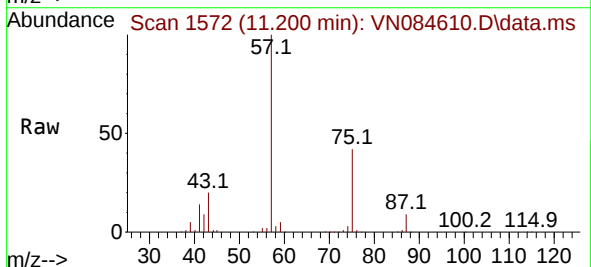
Instrument :
MSVOA_N
ClientSampleId :

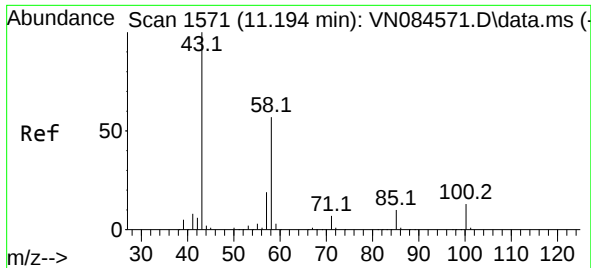
Tgt Ion: 69 Resp: 1760
Ion Ratio Lower Upper
69 100
41 3293.2 53.3 79.9#
39 1364.3 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.608 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Tgt Ion: 76 Resp: 5748
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

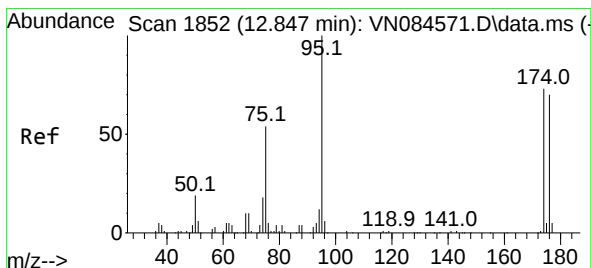
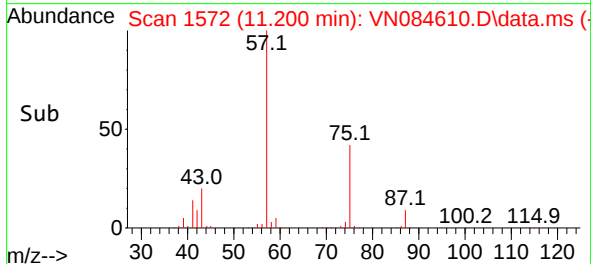
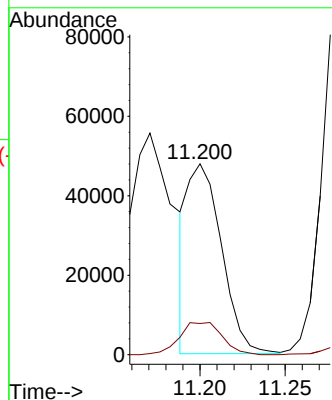
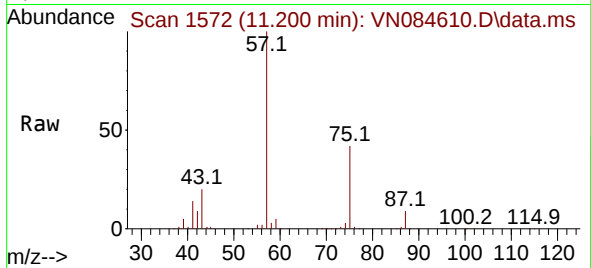




#59
2-Hexanone
Concen: 35.893 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

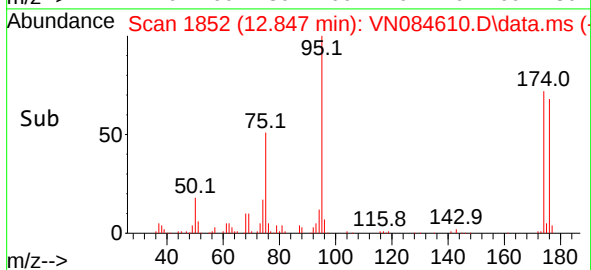
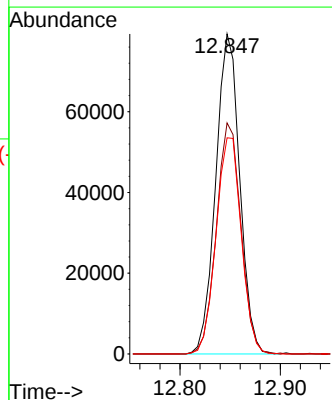
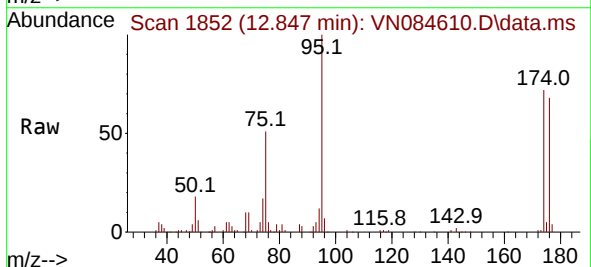
Instrument :
MSVOA_N
ClientSampleId :

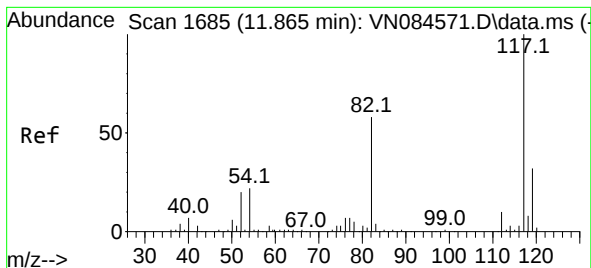
Tgt Ion: 43 Resp: 66532
Ion Ratio Lower Upper
43 100
58 21.3 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 45.071 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Tgt Ion: 95 Resp: 131730
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.2
176 71.2 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084610.D

Acq: 31 Oct 2024 08:58

Instrument :

MSVOA_N

ClientSampleId :

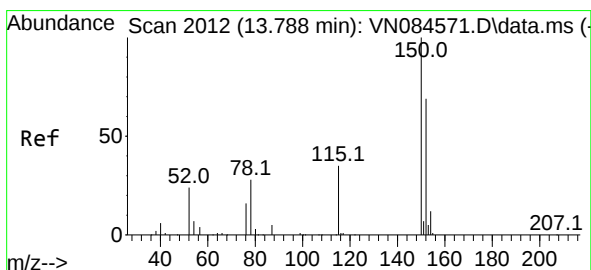
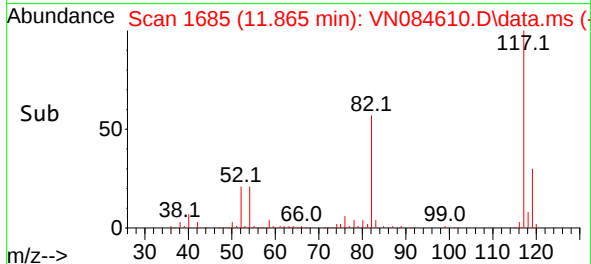
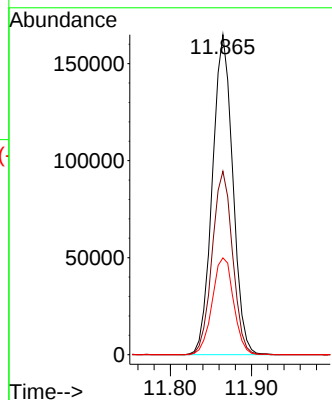
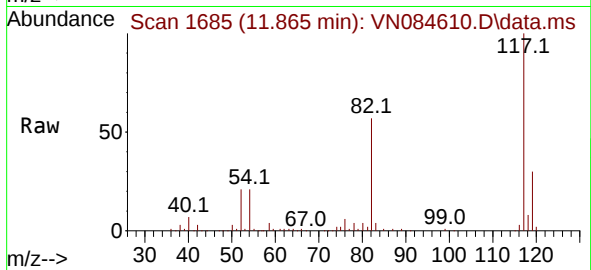
Tgt Ion:117 Resp: 287652

Ion Ratio Lower Upper

117 100

82 57.3 47.2 70.8

119 30.3 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: VN084610.D

Acq: 31 Oct 2024 08:58

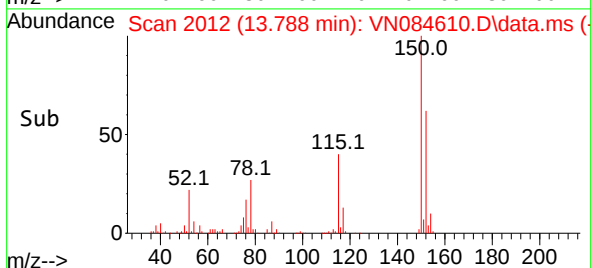
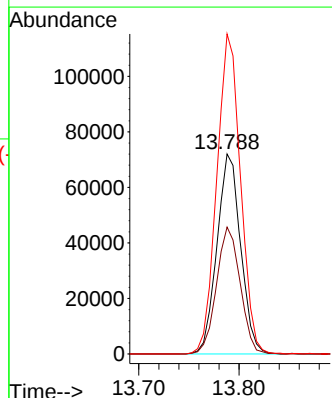
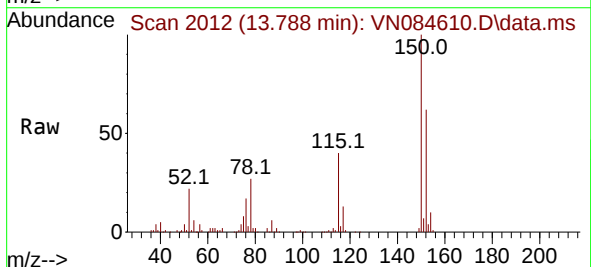
Tgt Ion:152 Resp: 118194

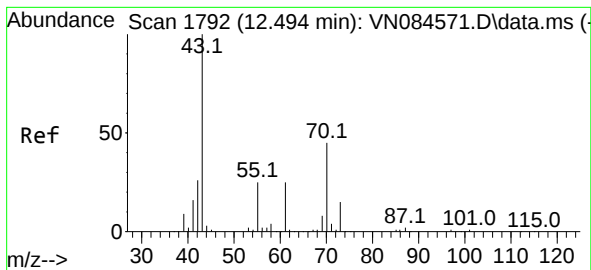
Ion Ratio Lower Upper

152 100

115 63.3 31.3 93.9

150 160.1 0.0 349.8





#74

N-amy1 acetate

Concen: 0.283 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

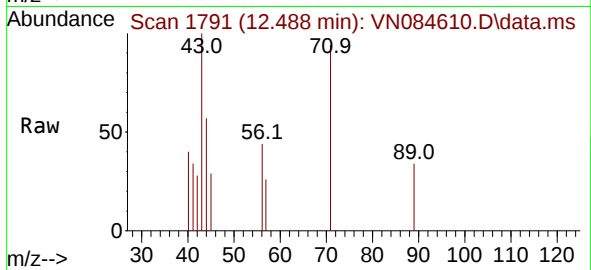
Lab File: VN084610.D

Acq: 31 Oct 2024 08:58

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 999

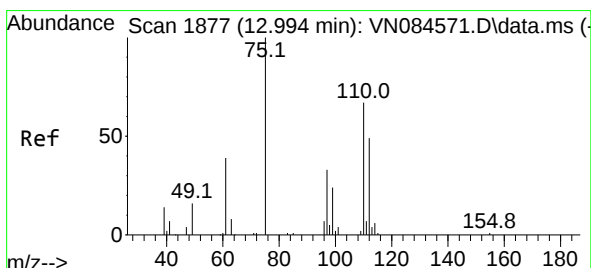
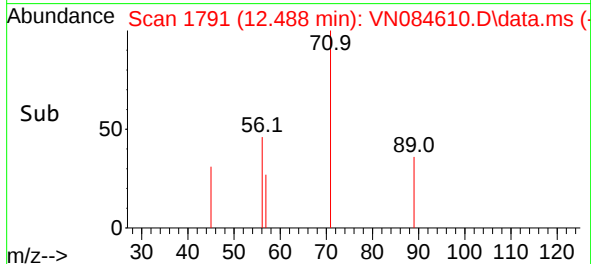
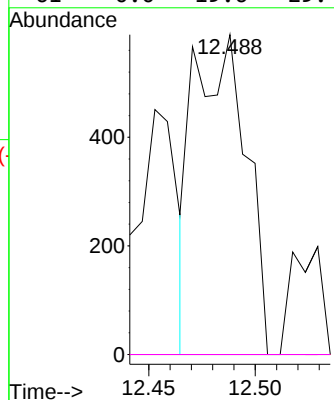
Ion Ratio Lower Upper

43 100

70 0.0 34.4 51.6#

55 0.0 19.6 29.4#

61 0.0 19.6 29.4#



#76

1,2,3-Trichloropropane

Concen: 28.593 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084610.D

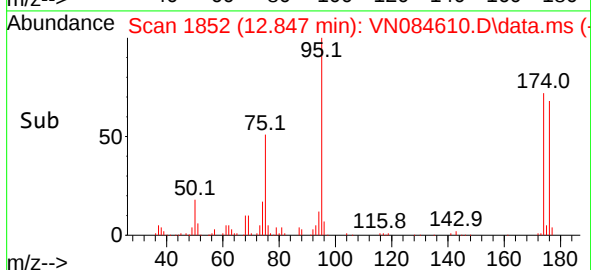
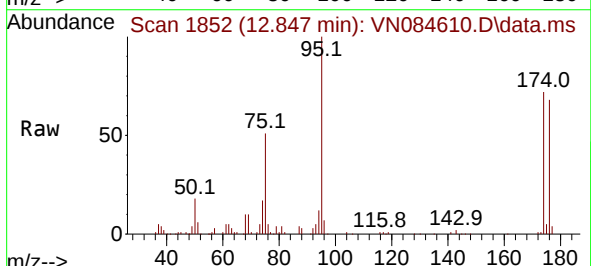
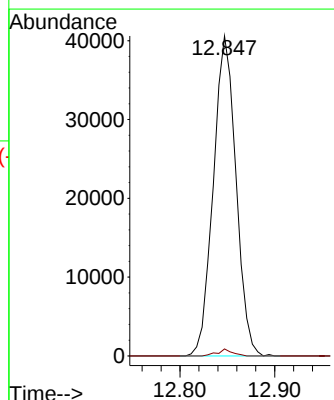
Acq: 31 Oct 2024 08:58

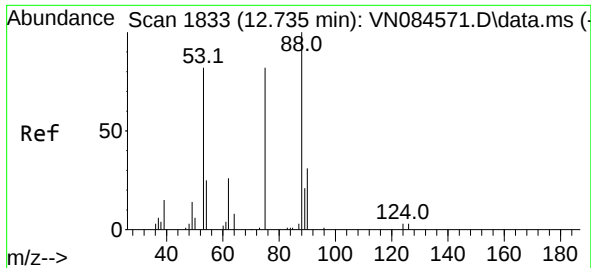
Tgt Ion: 75 Resp: 67554

Ion Ratio Lower Upper

75 100

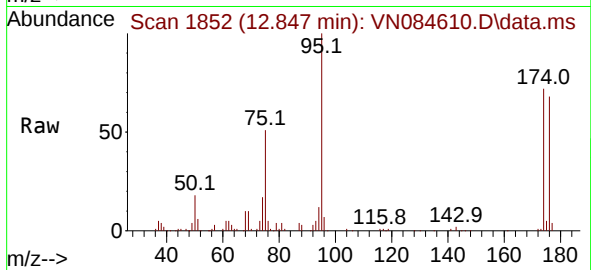
77 1.5 96.9 290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 67.833 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084610.D
Acq: 31 Oct 2024 08:58

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 67554
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

