

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
 Data File : VN084488.D
 Acq On : 24 Oct 2024 15:10
 Operator : JC\MD
 Sample : PB164314ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 02:01:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

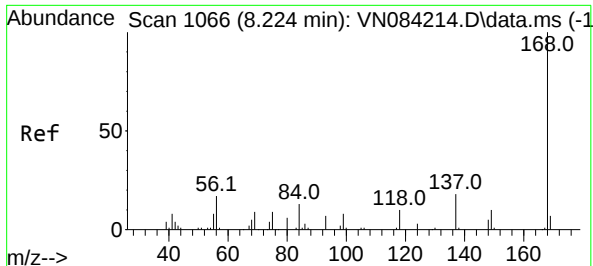
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	196977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	359231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	318413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	141282	48.375	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.760%		
35) Dibromofluoromethane	8.171	113	111834	47.222	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.440%		
50) Toluene-d8	10.565	98	433629	49.767	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.540%		
62) 4-Bromofluorobenzene	12.847	95	152317	47.985	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.960%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.506	59	500	1.038	ug/l #	73
16) Acetone	4.430	43	27806	22.163	ug/l	96
18) Methyl Acetate	5.030	43	1999	0.731	ug/l #	70
20) Methylene Chloride	5.283	84	5261	2.063	ug/l #	70
25) 2-Butanone	7.494	43	4476	2.619	ug/l	92
31) Cyclohexane	8.224	56	4914	1.136	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	17622	5.123	ug/l #	50
37) Ethyl Acetate	7.565	43	3876	1.098	ug/l #	93
38) Carbon Tetrachloride	8.224	117	21643	5.736	ug/l #	15
41) Methacrylonitrile	7.853	41	389	0.203	ug/l #	32
42) 1,2-Dichloroethane	8.682	62	1491	0.410	ug/l #	75
43) Isopropyl Acetate	8.688	43	384463	55.618	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1677	0.661	ug/l #	44
48) Methyl methacrylate	9.665	41	4057	1.474	ug/l #	40
49) 1,4-Dioxane	9.741	88	96	1.895	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12127	3.610	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	55510	13.318	ug/l #	59
57) 1,3-Dichloropropane	11.200	76	7192	1.718	ug/l #	42
59) 2-Hexanone	11.200	43	84630	33.704	ug/l #	55
71) Bromoform	12.847	173	892	0.498	ug/l #	1
74) N-amyl acetate	12.476	43	1484	0.320	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	80222	29.320	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80222	70.293	ug/l #	11

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

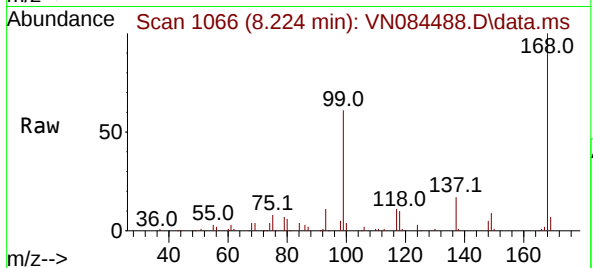
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



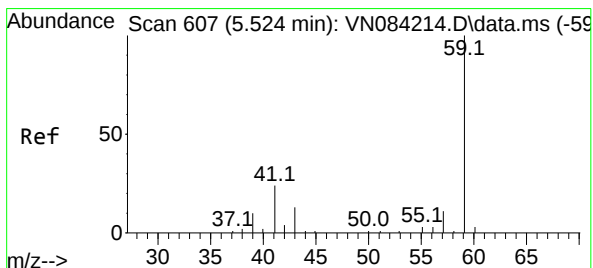
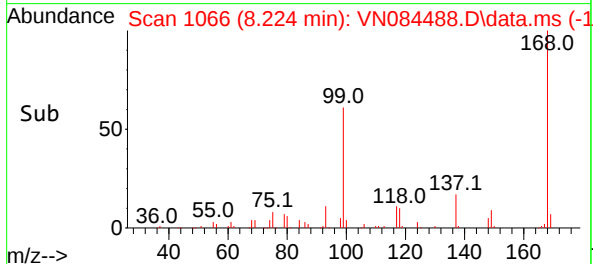
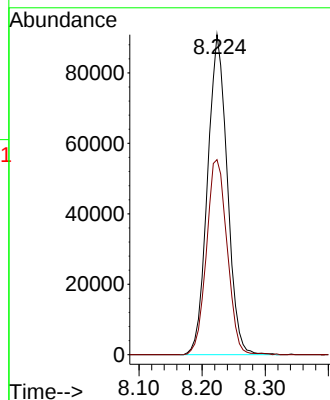


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

Instrument :
MSVOA_N
ClientSampleId :

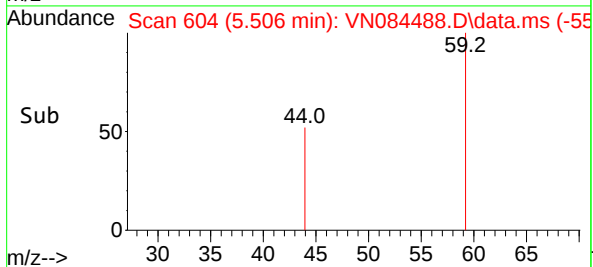
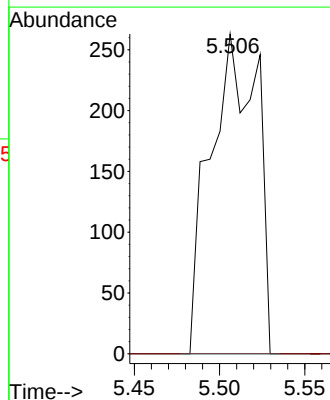
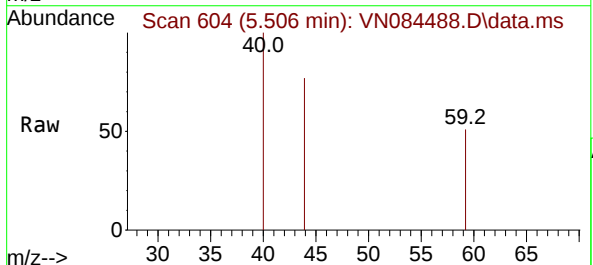


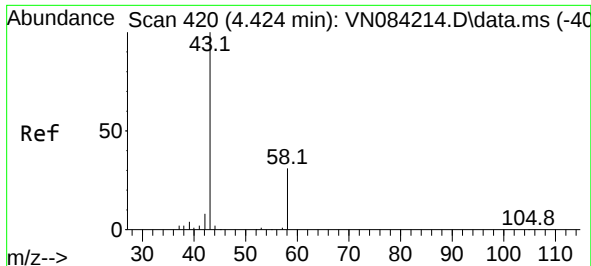
Tgt Ion:168 Resp: 196977
Ion Ratio Lower Upper
168 100
99 61.0 54.2 81.2



#11
Tert butyl alcohol
Concen: 1.038 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

Tgt Ion: 59 Resp: 500
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 22.163 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084488.D

Acq: 24 Oct 2024 15:10

Instrument :

MSVOA_N

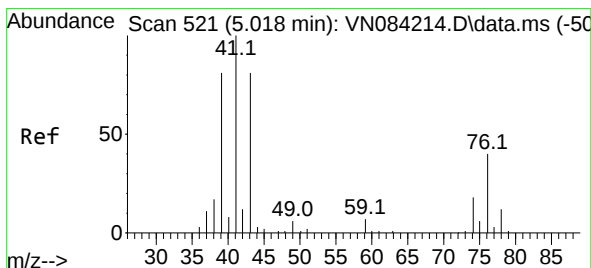
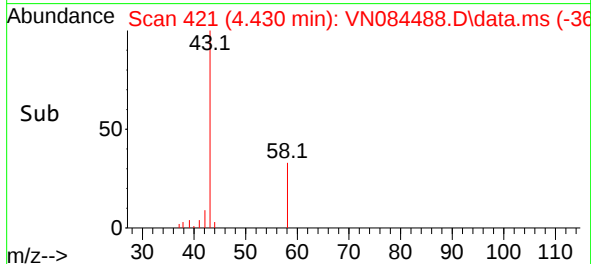
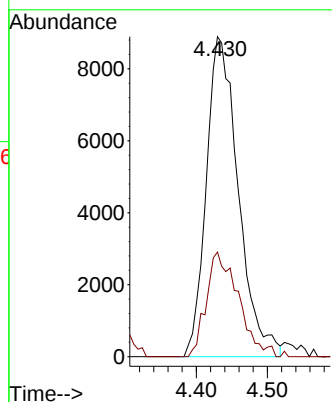
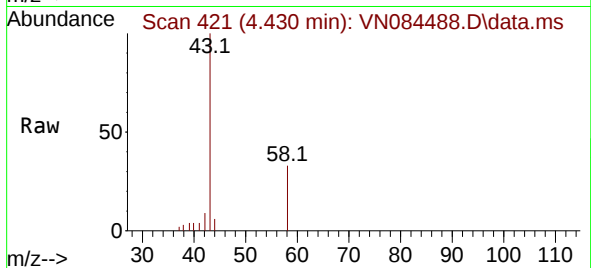
ClientSampleId :

Tgt Ion: 43 Resp: 27806

Ion Ratio Lower Upper

43 100

58 32.7 24.4 36.6



#18

Methyl Acetate

Concen: 0.731 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.012 min

Lab File: VN084488.D

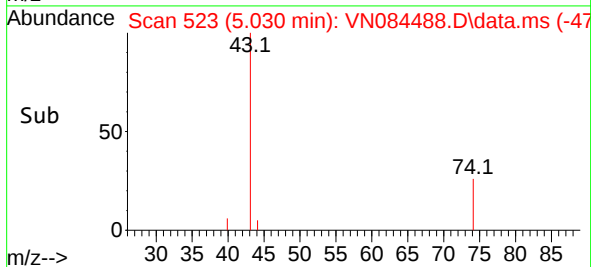
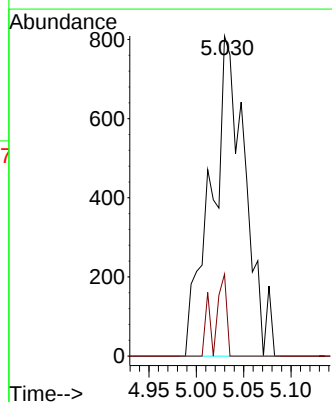
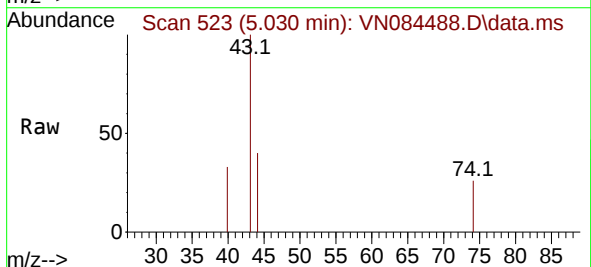
Acq: 24 Oct 2024 15:10

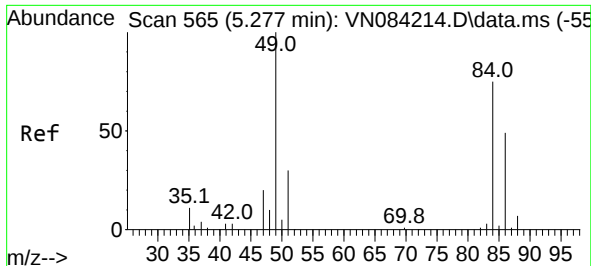
Tgt Ion: 43 Resp: 1999

Ion Ratio Lower Upper

43 100

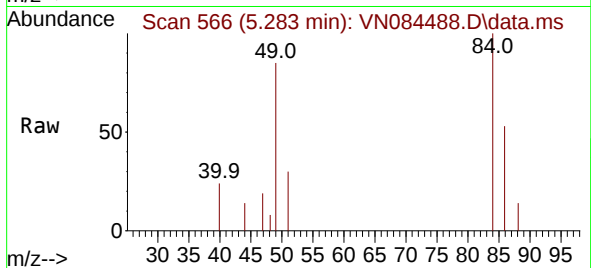
74 9.2 19.2 28.8#



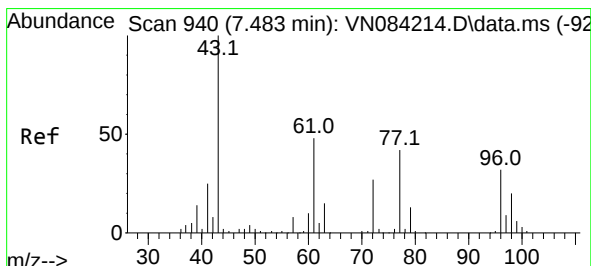
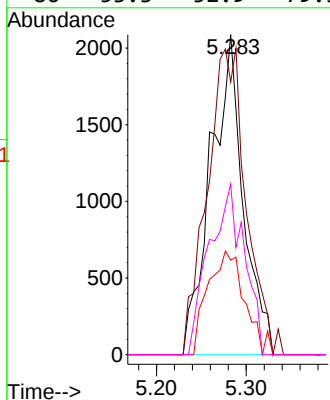
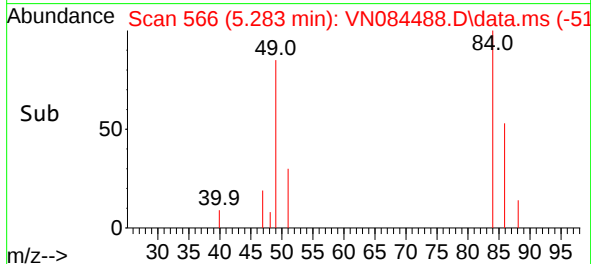


#20
Methylene Chloride
Concen: 2.063 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

Instrument :
MSVOA_N
ClientSampleId :

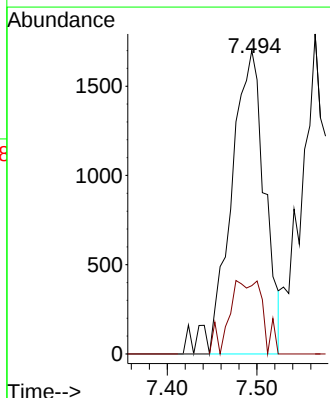
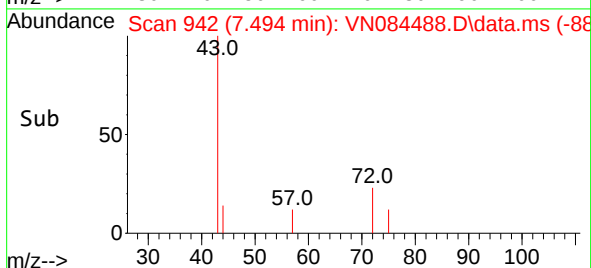
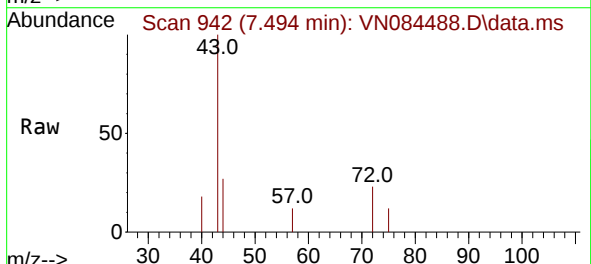


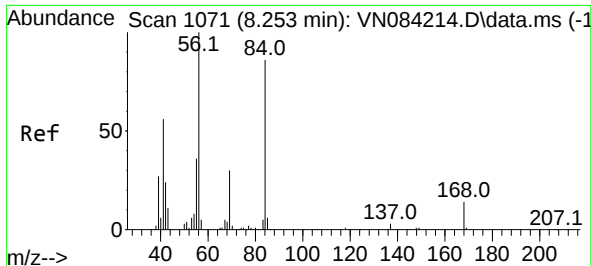
Tgt Ion: 84 Resp: 5261
Ion Ratio Lower Upper
84 100
49 85.2 107.2 160.8#
51 29.5 31.8 47.8#
86 53.3 52.9 79.3



#25
2-Butanone
Concen: 2.619 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

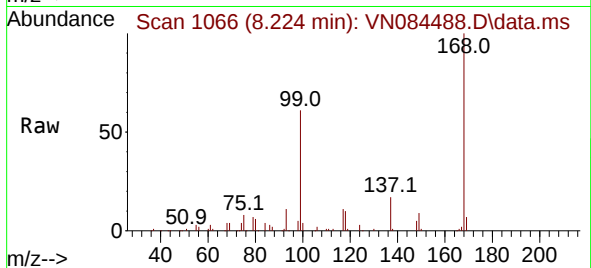
Tgt Ion: 43 Resp: 4476
Ion Ratio Lower Upper
43 100
72 22.5 21.4 32.2



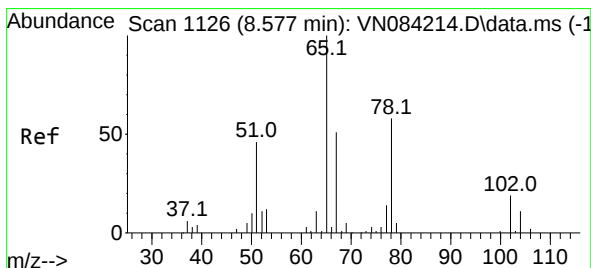
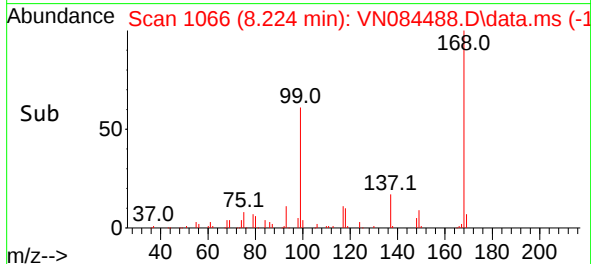
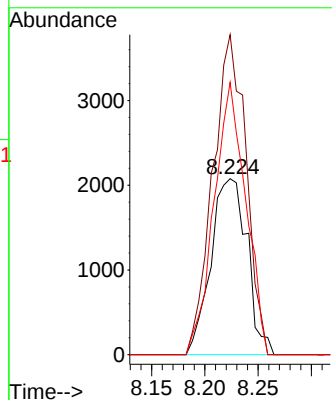


#31
Cyclohexane
Concen: 1.136 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

Instrument :
MSVOA_N
ClientSampleId :

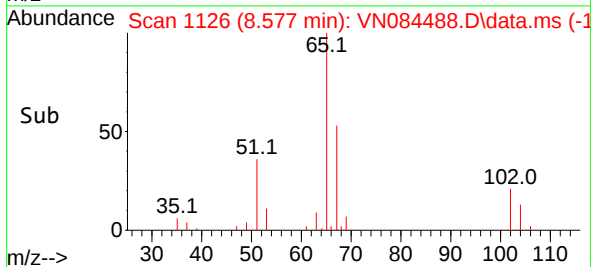
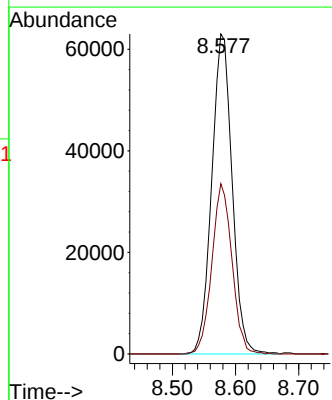
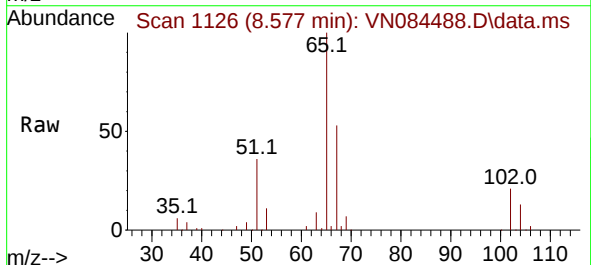


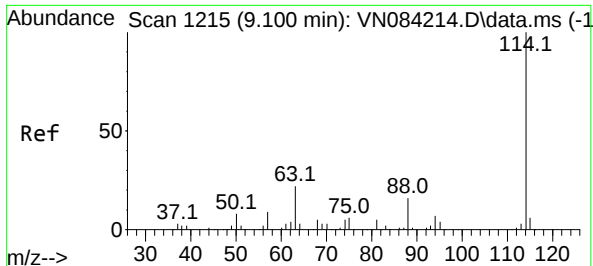
Tgt Ion: 56 Resp: 4914
Ion Ratio Lower Upper
56 100
69 181.8 23.8 35.6#
84 154.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.375 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

Tgt Ion: 65 Resp: 141282
Ion Ratio Lower Upper
65 100
67 52.5 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: VN084488.D

Acq: 24 Oct 2024 15:10

Instrument :

MSVOA_N

ClientSampleId :

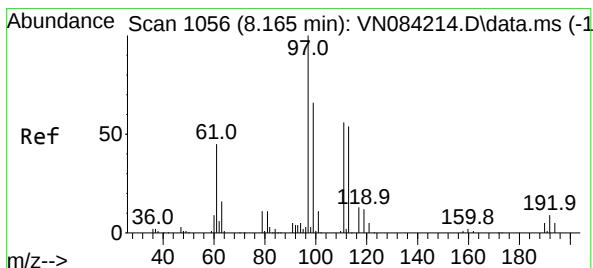
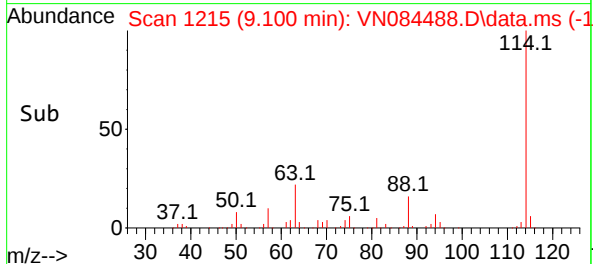
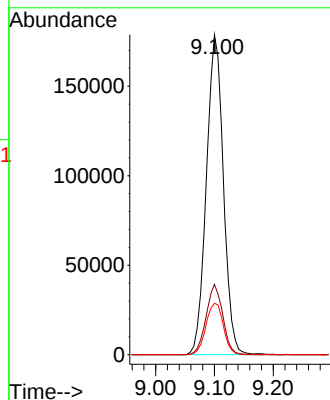
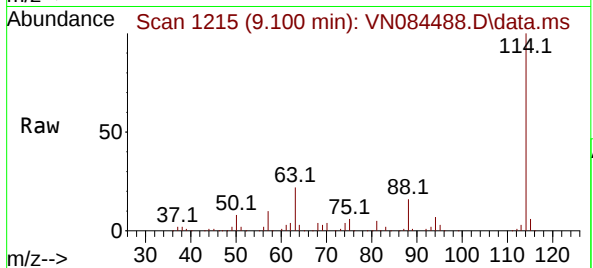
Tgt Ion:114 Resp: 359231

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

88 16.1 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.222 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084488.D

Acq: 24 Oct 2024 15:10

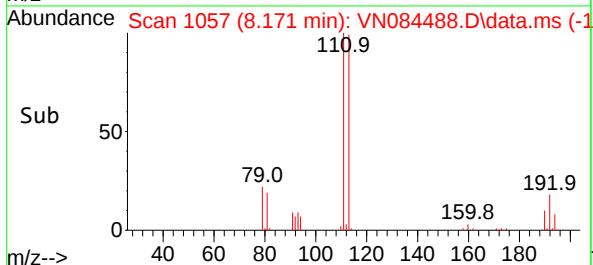
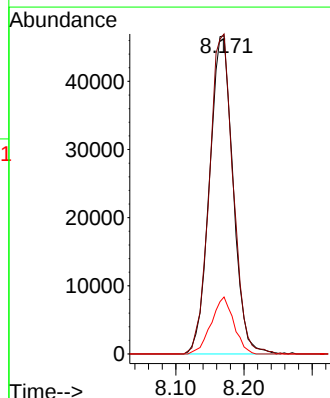
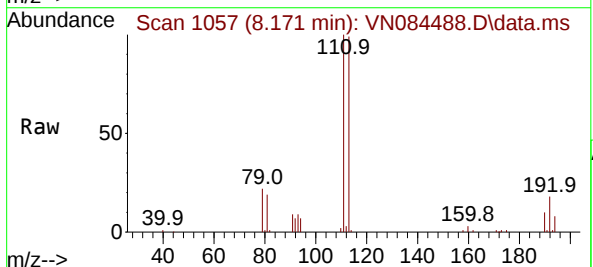
Tgt Ion:113 Resp: 111834

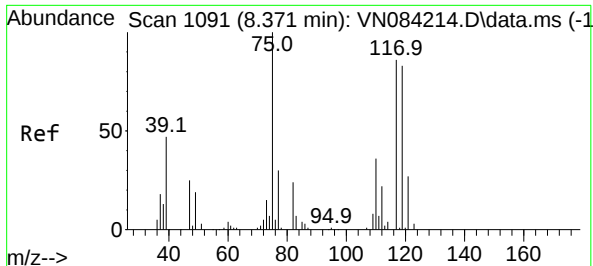
Ion Ratio Lower Upper

113 100

111 101.7 83.3 124.9

192 17.2 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.123 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

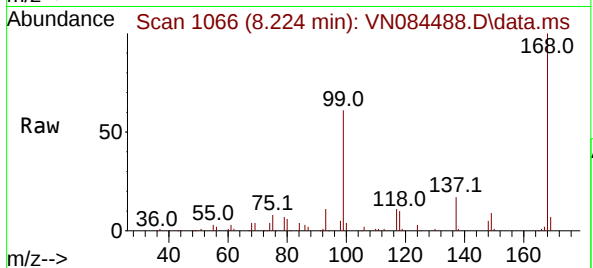
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Acq: 24 Oct 2024 15:10

Instrument :

MSVOA_N

ClientSampleId :



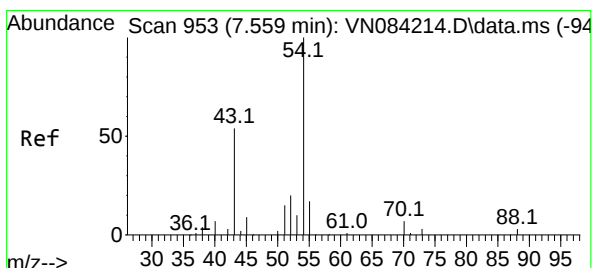
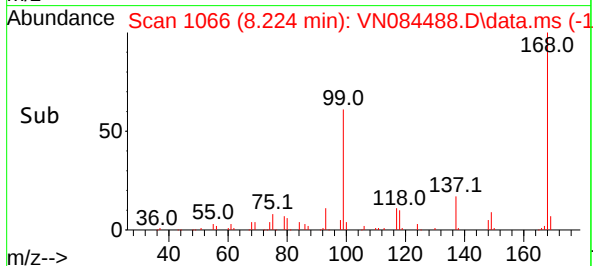
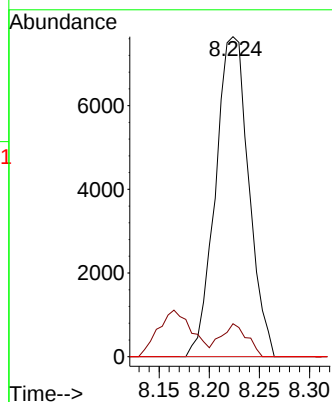
Tgt Ion: 75 Resp: 17622

Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.098 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN084488.D

Acq: 24 Oct 2024 15:10

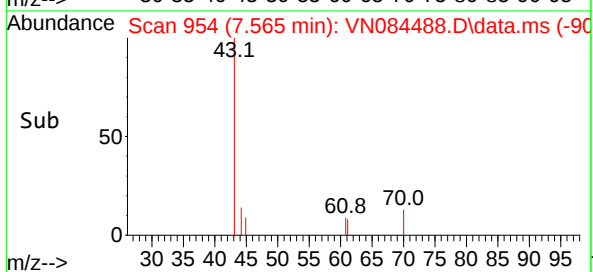
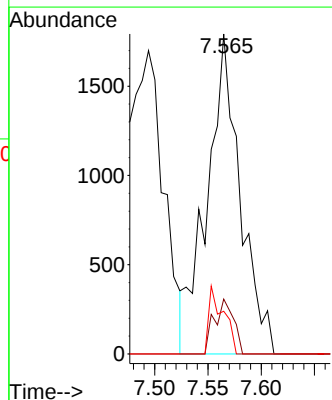
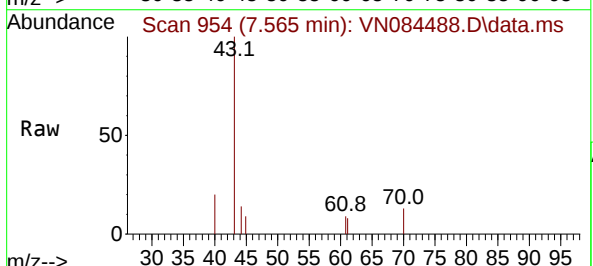
Tgt Ion: 43 Resp: 3876

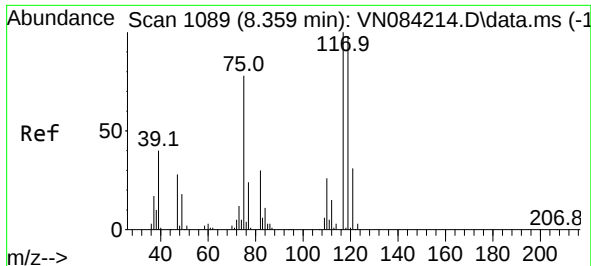
Ion Ratio Lower Upper

43 100

61 10.0 10.7 16.1#

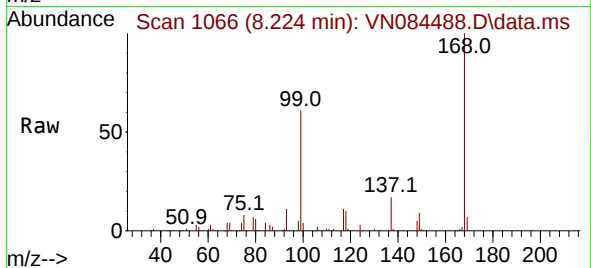
70 9.4 8.8 13.2



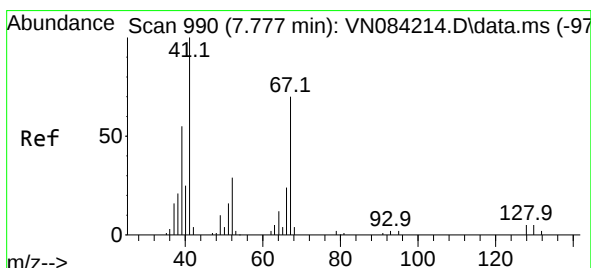
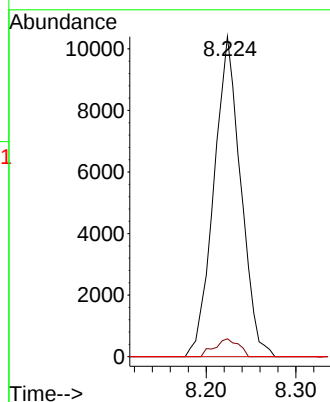
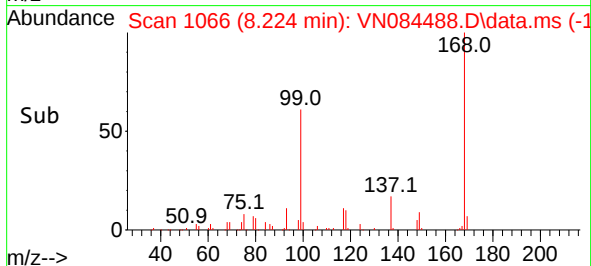


#38
Carbon Tetrachloride
Concen: 5.736 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

Instrument :
MSVOA_N
ClientSampleId :

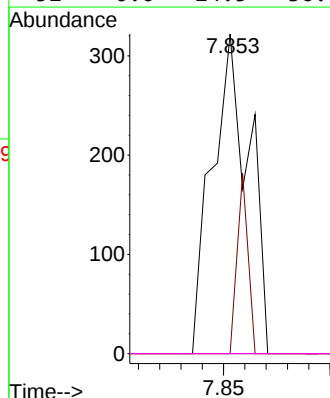
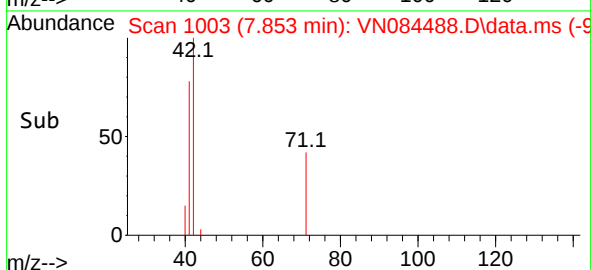
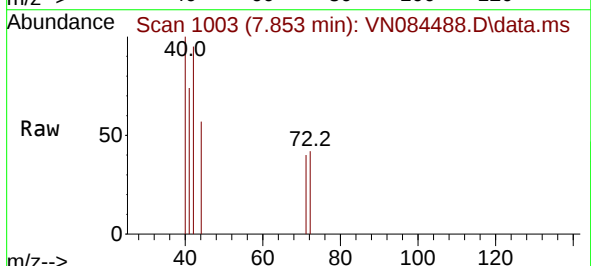


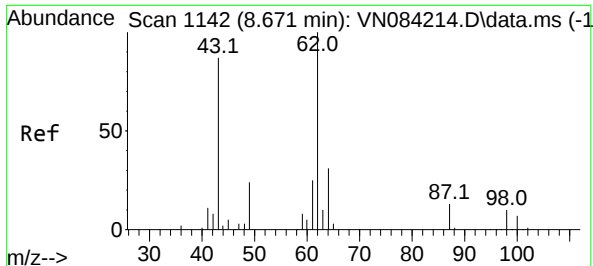
Tgt Ion:117 Resp: 21643
Ion Ratio Lower Upper
117 100
119 5.6 78.7 118.1#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.203 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.076 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

Tgt Ion: 41 Resp: 389
Ion Ratio Lower Upper
41 100
39 16.5 43.3 64.9#
67 0.0 56.1 84.1#
52 0.0 24.5 36.7#





#42

1,2-Dichloroethane

Concen: 0.410 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN084488.D

Acq: 24 Oct 2024 15:10

Instrument :

MSVOA_N

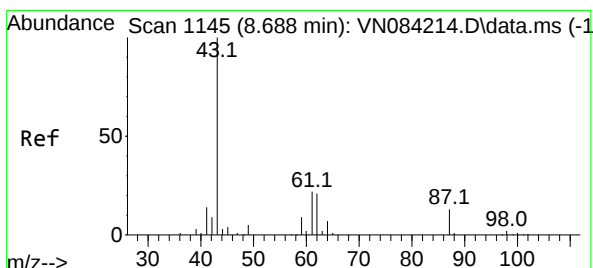
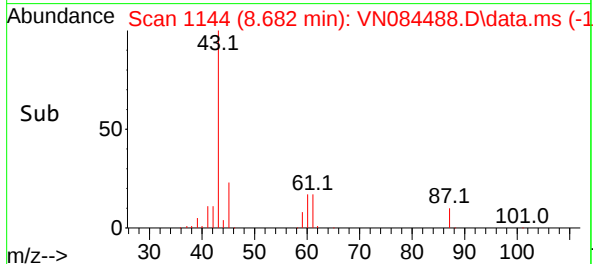
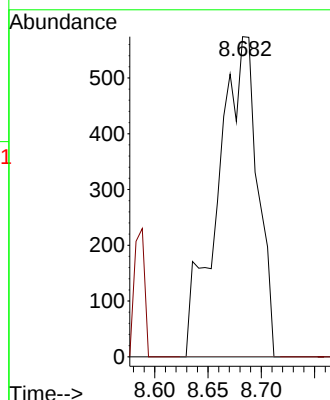
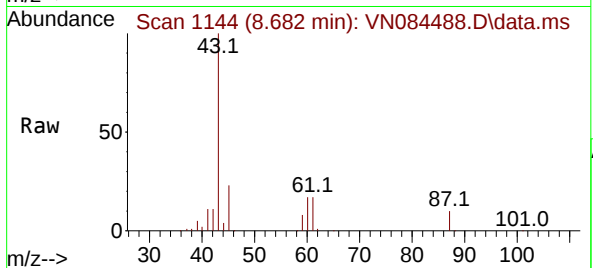
ClientSampleId :

Tgt Ion: 62 Resp: 1491

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 55.618 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN084488.D

Acq: 24 Oct 2024 15:10

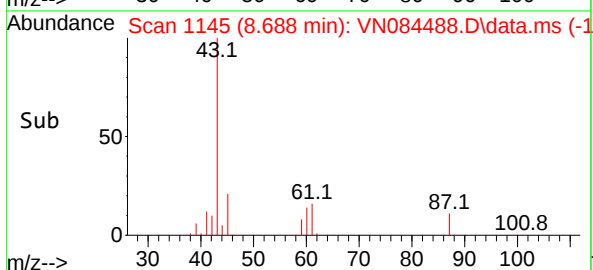
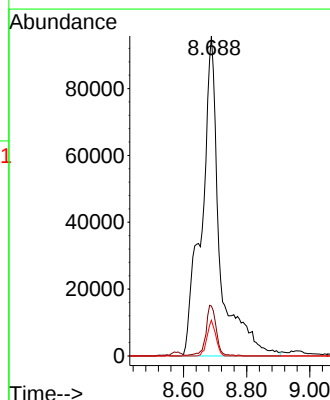
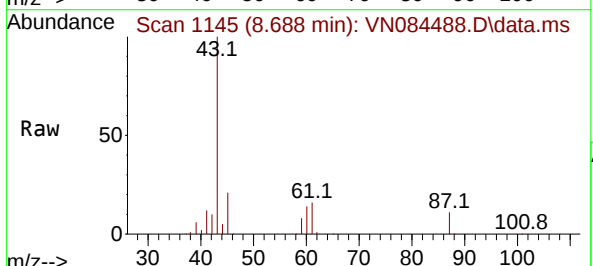
Tgt Ion: 43 Resp: 384463

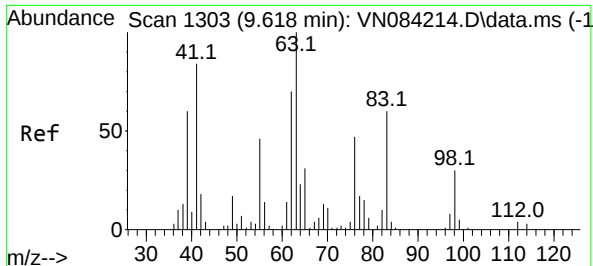
Ion Ratio Lower Upper

43 100

61 9.0 20.4 30.6#

87 5.4 10.3 15.5#

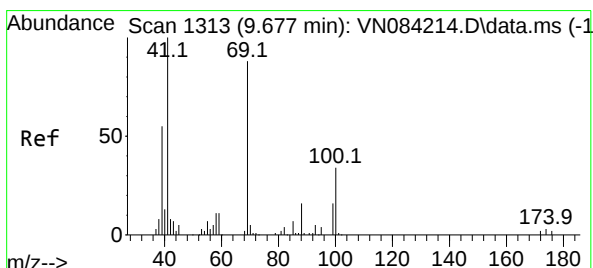
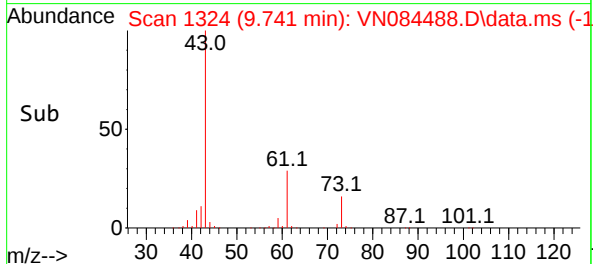
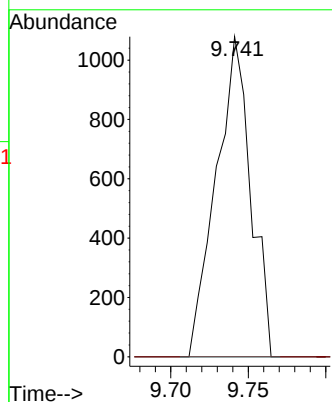
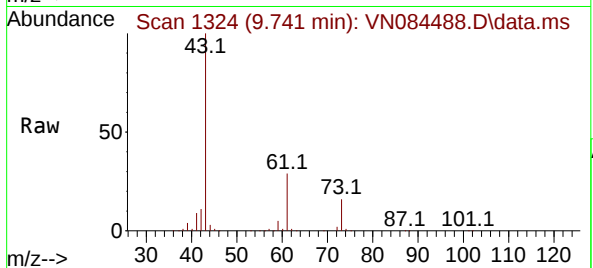




#45
1,2-Dichloropropane
Concen: 0.661 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

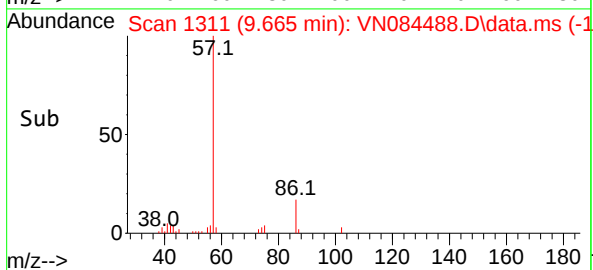
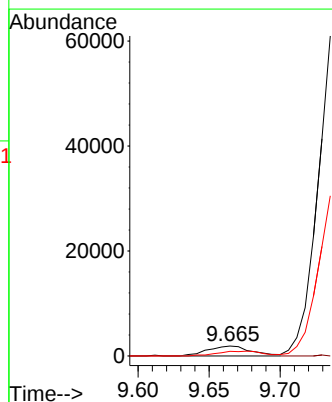
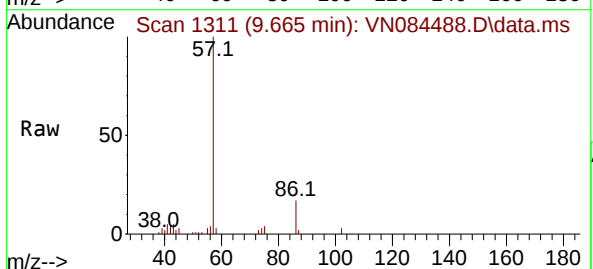
Instrument :
MSVOA_N
ClientSampleId :

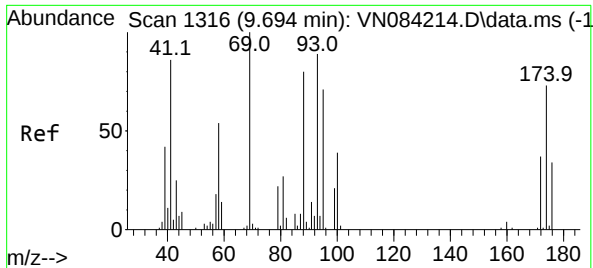
Tgt Ion: 63 Resp: 1677
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.474 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

Tgt Ion: 41 Resp: 4057
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 48.3 45.8 68.6





#49

1,4-Dioxane

Concen: 1.895 ug/l

RT: 9.741 min Scan# 1316

Delta R.T. 0.047 min

Lab File: VN084488.D

Acq: 24 Oct 2024 15:10

Instrument :

MSVOA_N

ClientSampleId :

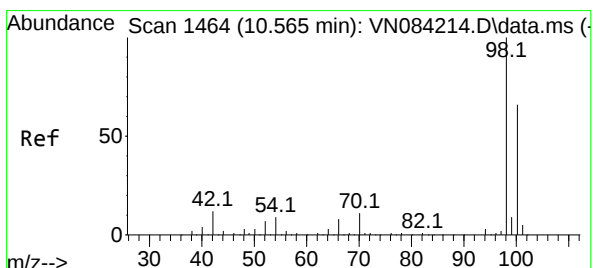
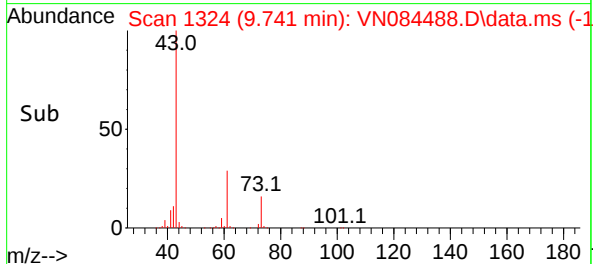
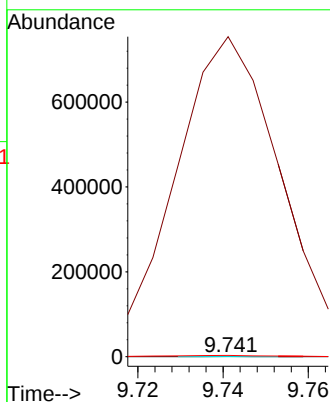
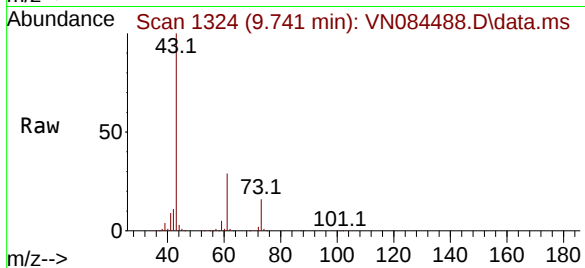
Tgt Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

43 1393291.7 25.3 37.9#

58 5772.9 56.4 84.6#



#50

Toluene-d8

Concen: 49.767 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084488.D

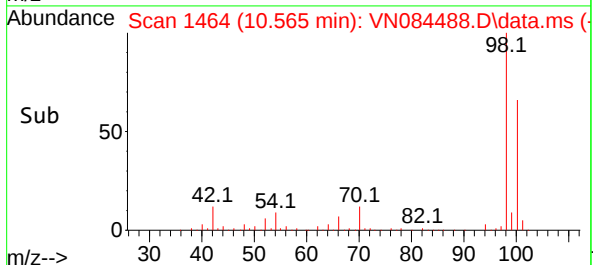
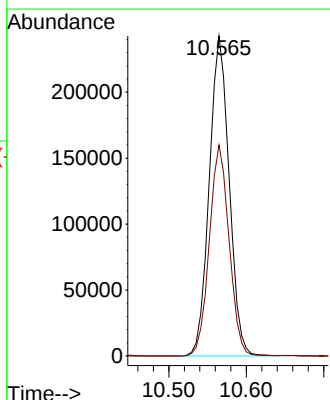
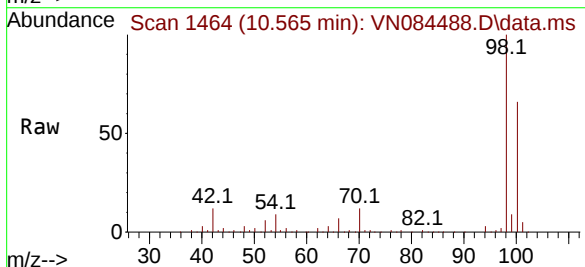
Acq: 24 Oct 2024 15:10

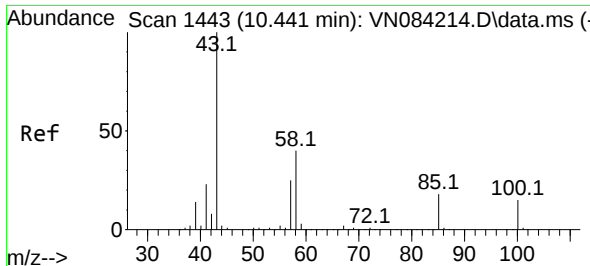
Tgt Ion: 98 Resp: 433629

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1

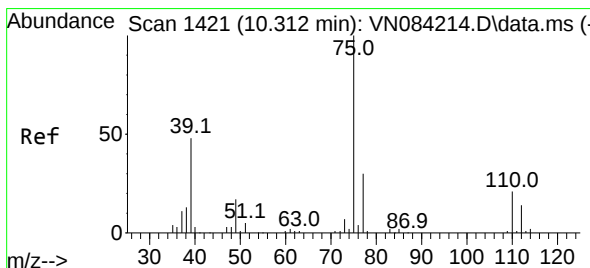
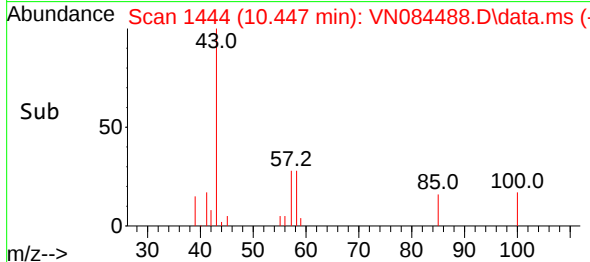
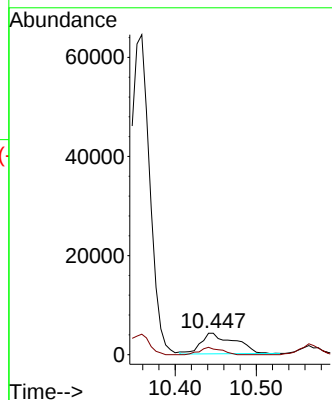
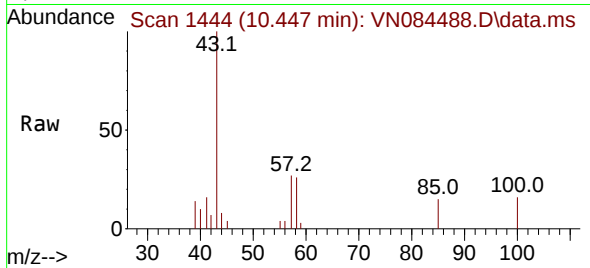




#51
4-Methyl-2-Pentanone
Concen: 3.610 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

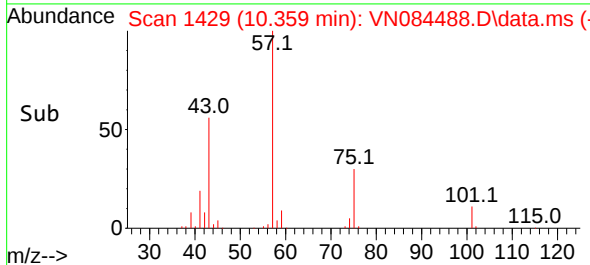
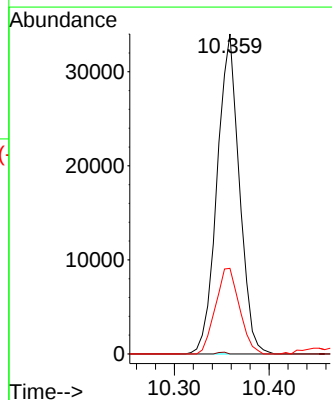
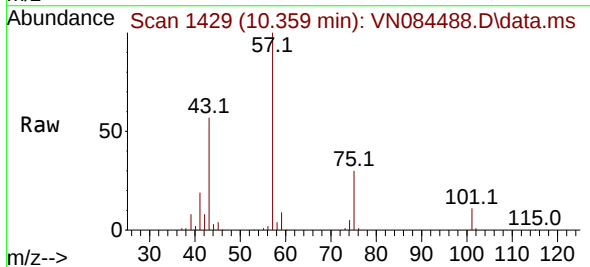
Instrument :
MSVOA_N
ClientSampleId :

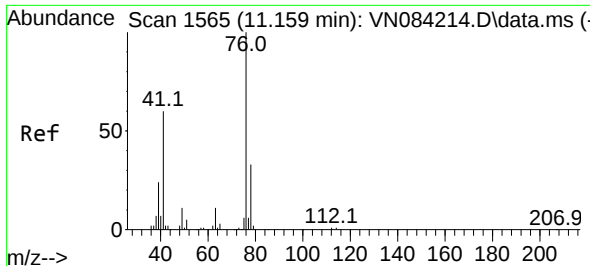
Tgt Ion: 43 Resp: 12127
Ion Ratio Lower Upper
43 100
58 22.3 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 13.318 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

Tgt Ion: 75 Resp: 55510
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 26.7 38.7 58.1#





#57

1,3-Dichloropropane

Concen: 1.718 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

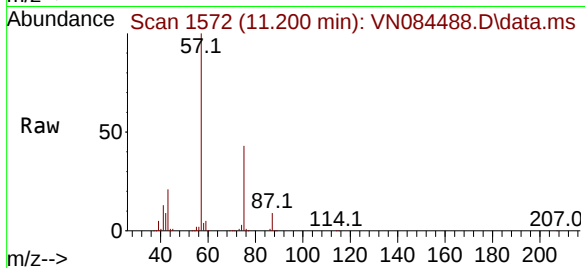
Lab File: VN084488.D

Acq: 24 Oct 2024 15:10

Instrument :

MSVOA_N

ClientSampleId :

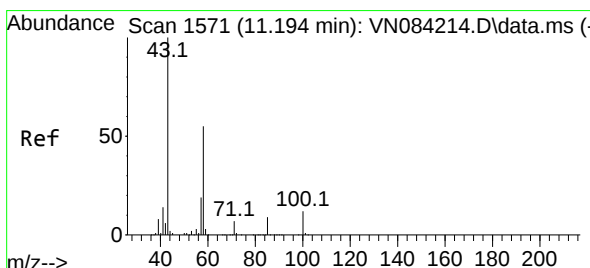
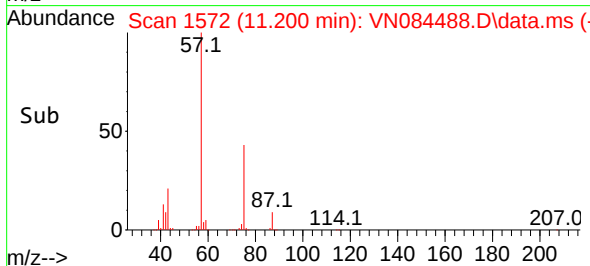
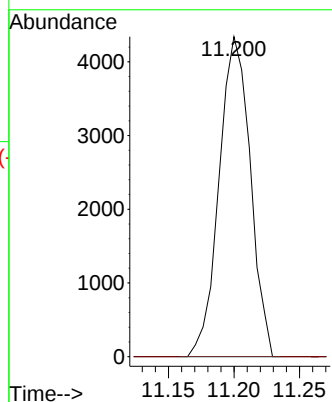


Tgt Ion: 76 Resp: 7192

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 33.704 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084488.D

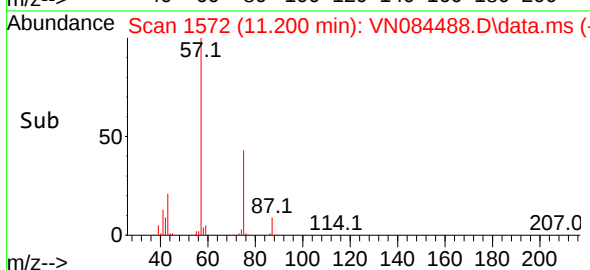
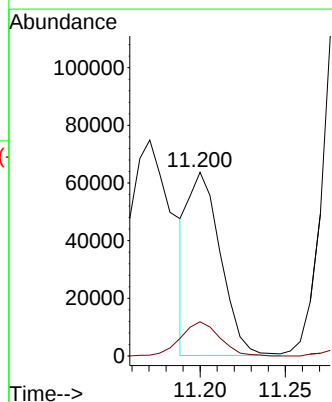
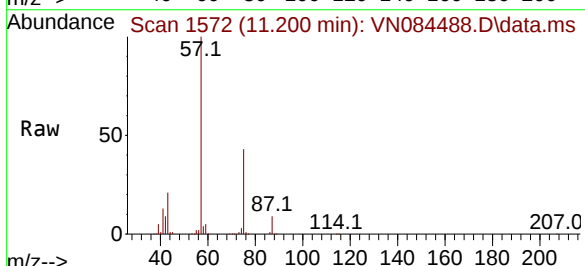
Acq: 24 Oct 2024 15:10

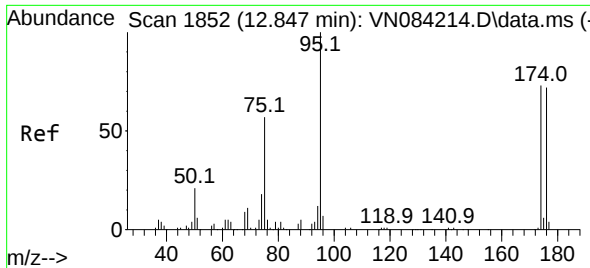
Tgt Ion: 43 Resp: 84630

Ion Ratio Lower Upper

43 100

58 22.4 27.3 81.8#

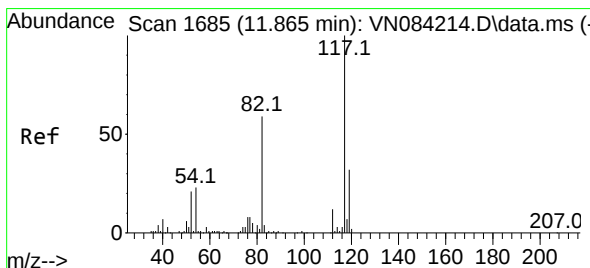
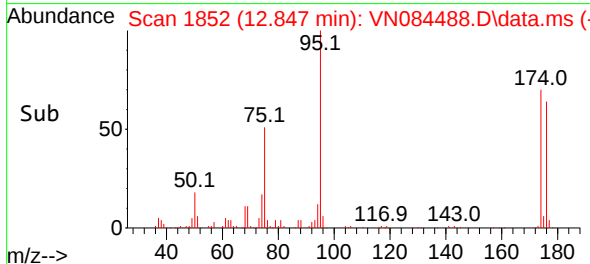
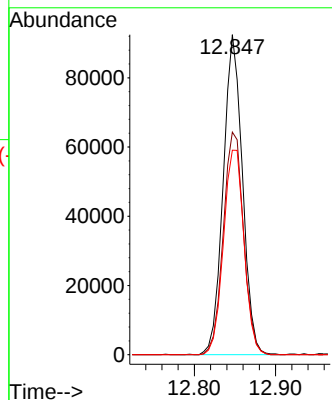
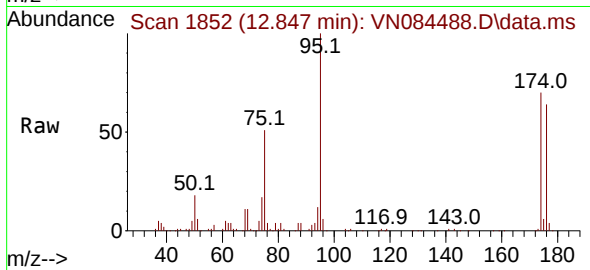




#62
4-Bromofluorobenzene
Concen: 47.985 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

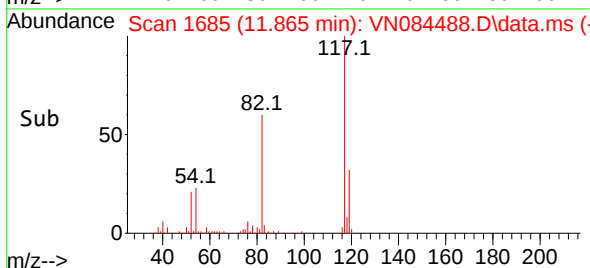
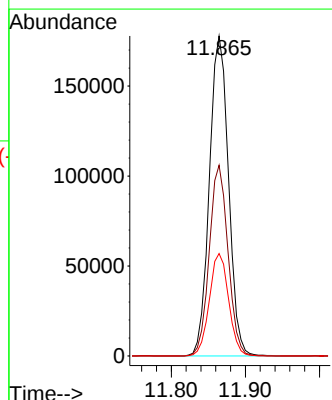
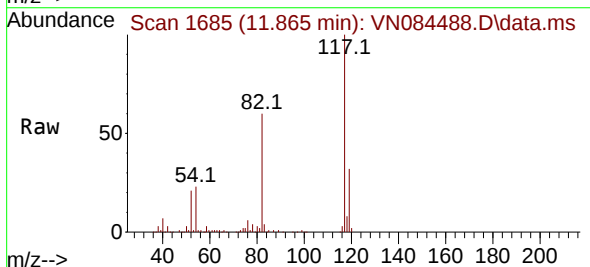
Instrument :
MSVOA_N
ClientSampleId :

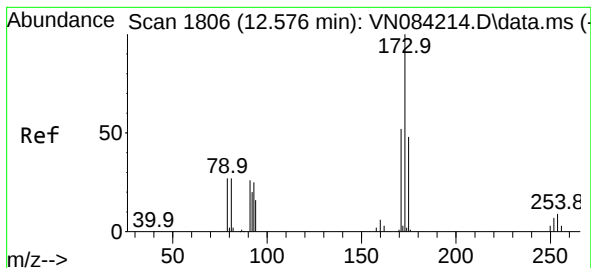
Tgt Ion: 95 Resp: 152317
Ion Ratio Lower Upper
95 100
174 73.3 0.0 145.2
176 68.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

Tgt Ion: 117 Resp: 318413
Ion Ratio Lower Upper
117 100
82 59.6 47.2 70.8
119 32.0 25.4 38.0





#71

Bromoform

Concen: 0.498 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

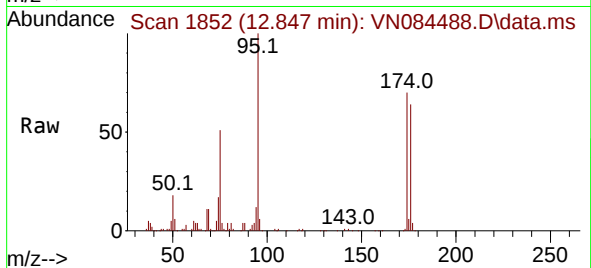
Lab File: VN084488.D

Acq: 24 Oct 2024 15:10

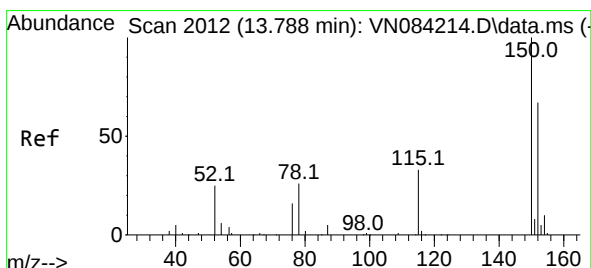
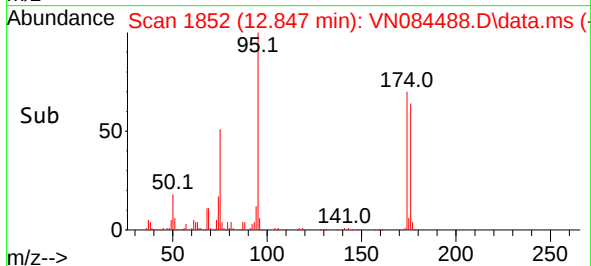
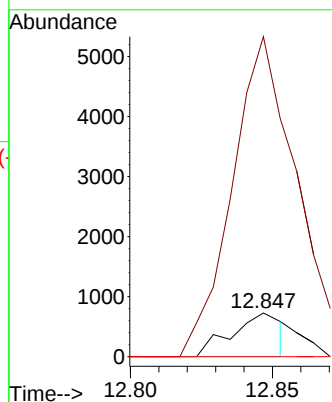
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	892
Ion Ratio	Lower	Upper	
173	100		
175	713.8	23.5	70.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

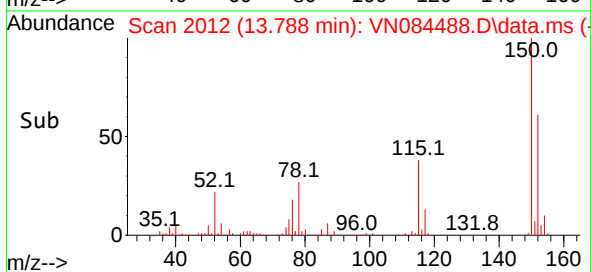
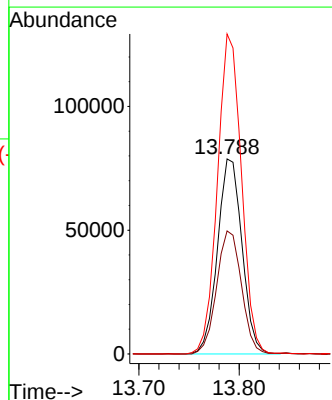
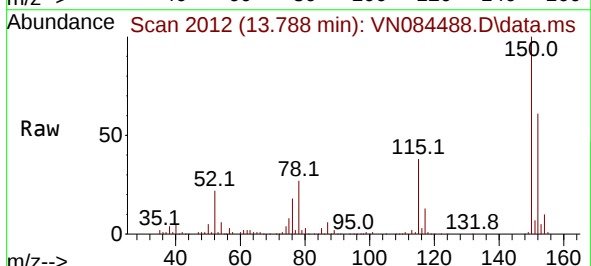
RT: 13.788 min Scan# 2012

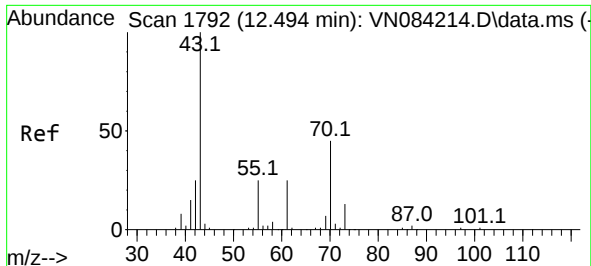
Delta R.T. -0.000 min

Lab File: VN084488.D

Acq: 24 Oct 2024 15:10

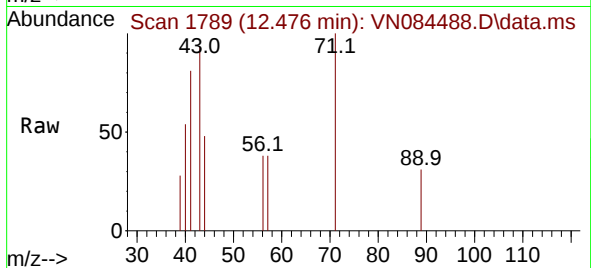
Tgt Ion:	152	Resp:	134022
Ion Ratio	Lower	Upper	
152	100		
115	63.8	31.3	93.9
150	160.3	0.0	349.8



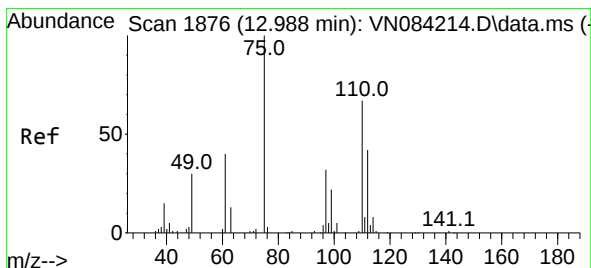
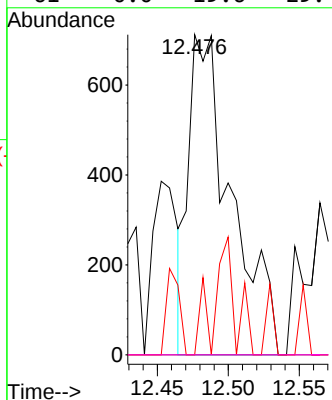
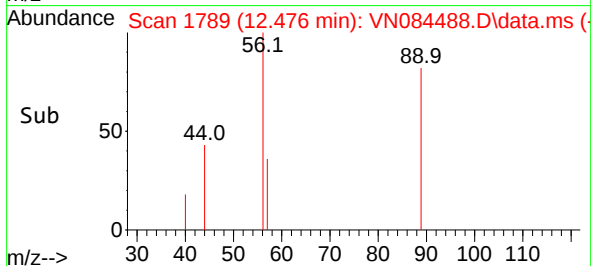


#74
N-amy1 acetate
Concen: 0.320 ug/l
RT: 12.476 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

Instrument :
MSVOA_N
ClientSampleId :

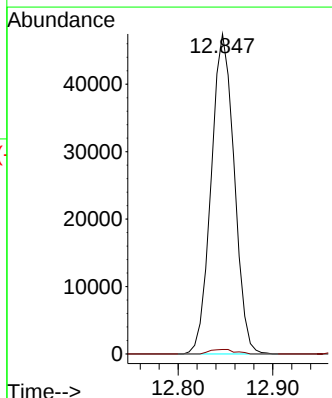
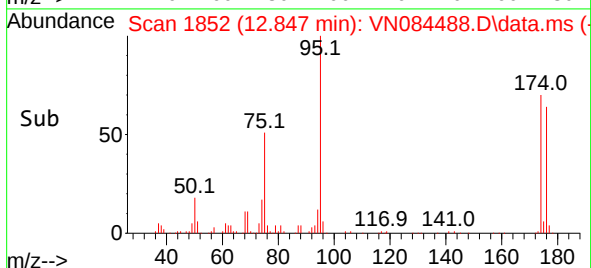
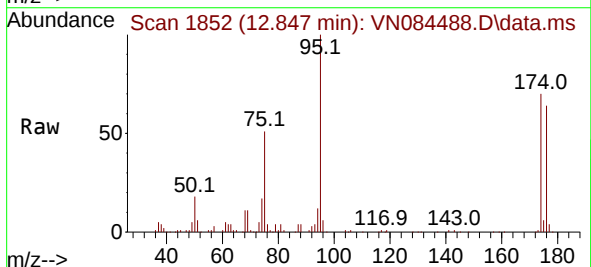


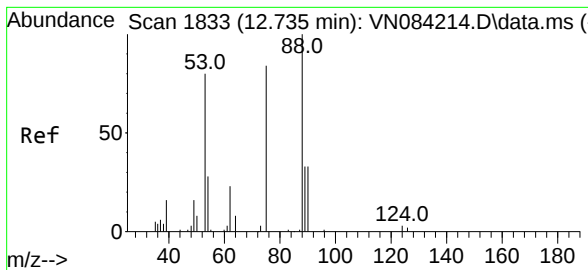
Tgt Ion:	43	Resp:	1484
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	8.2	19.6	29.4#
61	0.0	19.6	29.4#



#76
1,2,3-Trichloropropane
Concen: 29.320 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084488.D
Acq: 24 Oct 2024 15:10

Tgt Ion:	75	Resp:	80222
Ion	Ratio	Lower	Upper
75	100		
77	1.6	96.9	290.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.293 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN084488.D
 Acq: 24 Oct 2024 15:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 80222
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#

