

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
 Data File : VN084486.D
 Acq On : 24 Oct 2024 14:22
 Operator : JC\MD
 Sample : PB164314TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

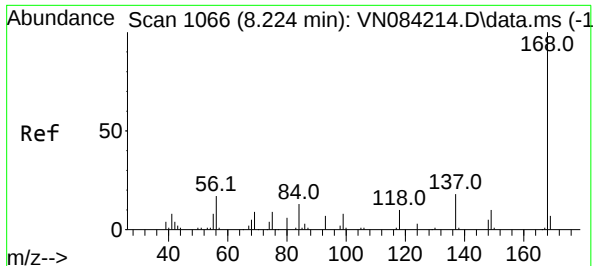
Quant Time: Oct 25 02:00:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	195684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	342841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	303278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135322	46.641	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.280%		
35) Dibromofluoromethane	8.165	113	108074	47.816	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.640%		
50) Toluene-d8	10.565	98	415536	49.971	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.940%		
62) 4-Bromofluorobenzene	12.847	95	147978	48.846	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.700%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.983	94	456	0.270	ug/l #	72
11) Tert butyl alcohol	5.512	59	238	0.497	ug/l #	73
16) Acetone	4.430	43	48976	39.295	ug/l	100
20) Methylene Chloride	5.277	84	5515	2.177	ug/l	88
25) 2-Butanone	7.494	43	5079	2.992	ug/l	90
29) Tetrahydrofuran	7.853	42	612	0.584	ug/l #	51
31) Cyclohexane	8.224	56	4634	1.078	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	17418	5.305	ug/l #	50
37) Ethyl Acetate	7.559	43	3784	1.123	ug/l #	87
38) Carbon Tetrachloride	8.224	117	21475	5.963	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	791	0.228	ug/l #	75
43) Isopropyl Acetate	8.688	43	180921	27.424	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	1507	0.623	ug/l #	44
48) Methyl methacrylate	9.671	41	3953	1.505	ug/l #	42
49) 1,4-Dioxane	9.735	88	62	1.282	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	12290	3.833	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	53323	13.405	ug/l #	63
57) 1,3-Dichloropropane	11.200	76	6811	1.705	ug/l #	42
59) 2-Hexanone	11.200	43	79860	33.324	ug/l #	55
74) N-amyl acetate	12.482	43	1142	0.252	ug/l #	64
76) 1,2,3-Trichloropropane	12.847	75	75661	28.289	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75661	67.822	ug/l #	11
95) Naphthalene	15.647	128	2623	0.362	ug/l #	82

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

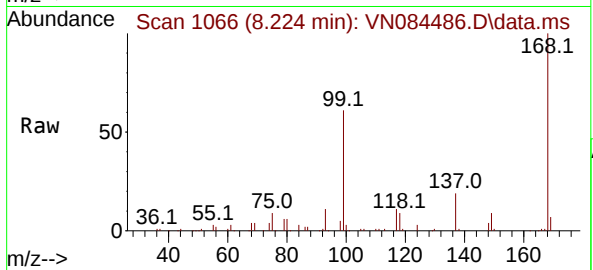
Quant Time: Oct 25 02:00:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



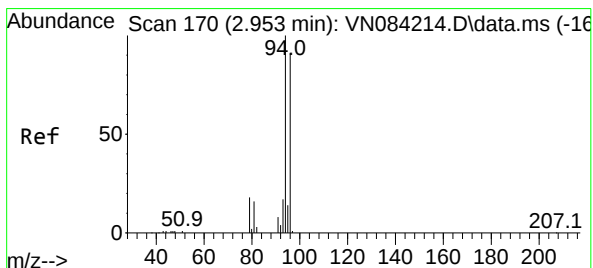
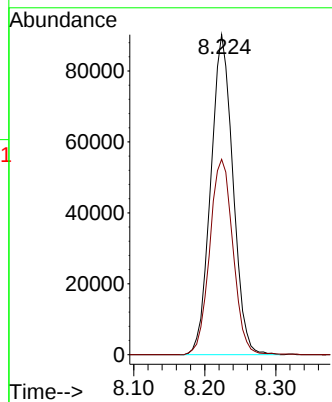
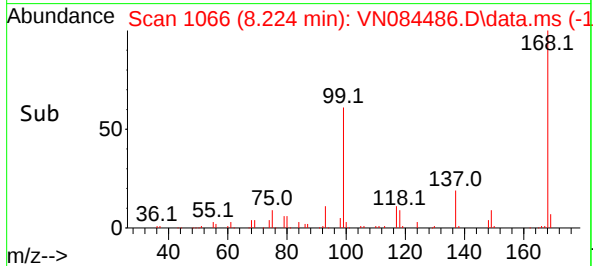


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084486.D
Acq: 24 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :

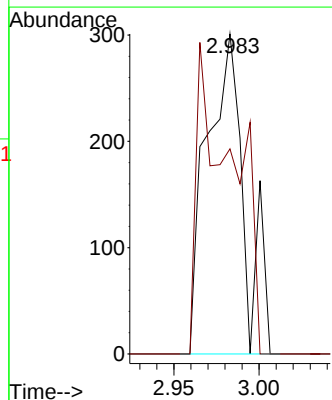
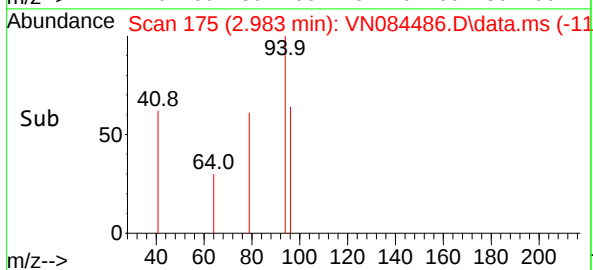
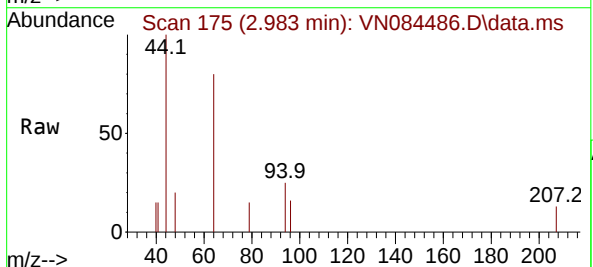


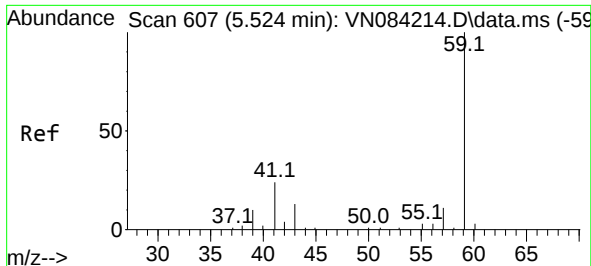
Tgt Ion:168 Resp: 195684
Ion Ratio Lower Upper
168 100
99 61.1 54.2 81.2



#5
Bromomethane
Concen: 0.270 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.029 min
Lab File: VN084486.D
Acq: 24 Oct 2024 14:22

Tgt Ion: 94 Resp: 456
Ion Ratio Lower Upper
94 100
96 64.1 72.9 109.3#





#11

Tert butyl alcohol

Concen: 0.497 ug/l

RT: 5.512 min Scan# 607

Delta R.T. -0.012 min

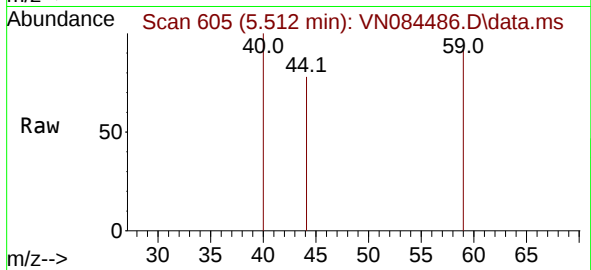
Lab File: VN084486.D

Acq: 24 Oct 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :

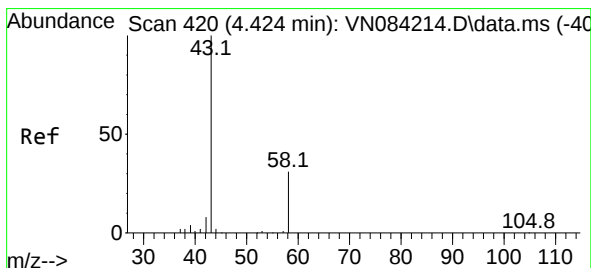
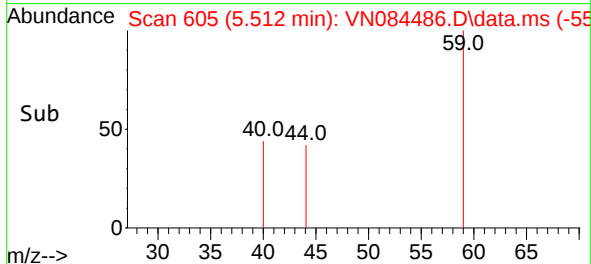
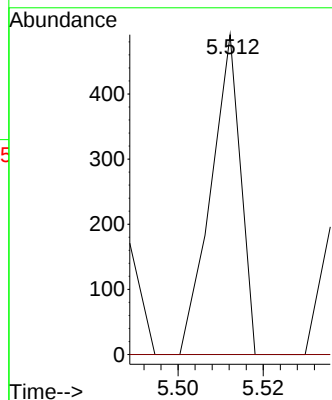


Tgt Ion: 59 Resp: 238

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 39.295 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN084486.D

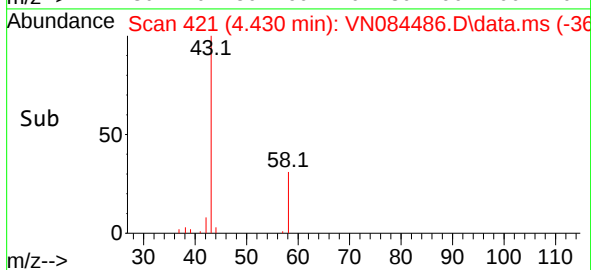
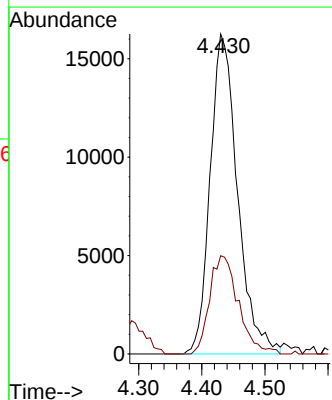
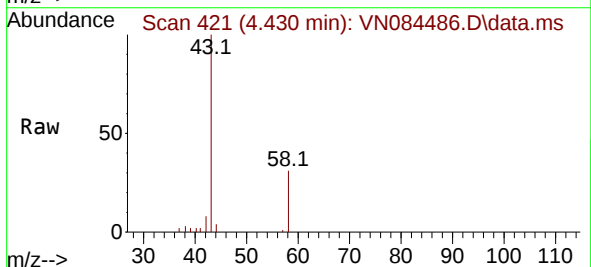
Acq: 24 Oct 2024 14:22

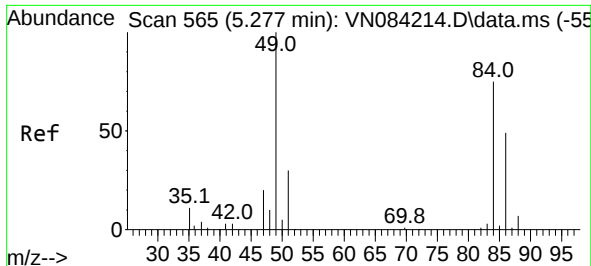
Tgt Ion: 43 Resp: 48976

Ion Ratio Lower Upper

43 100

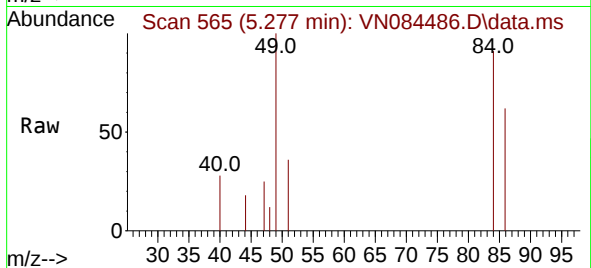
58 30.7 24.4 36.6



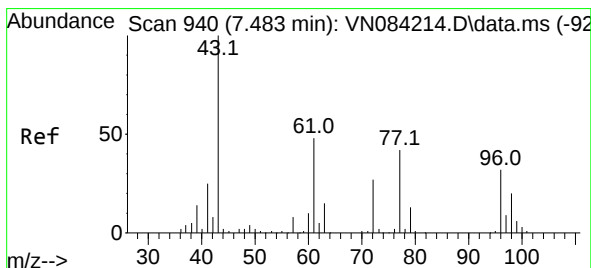
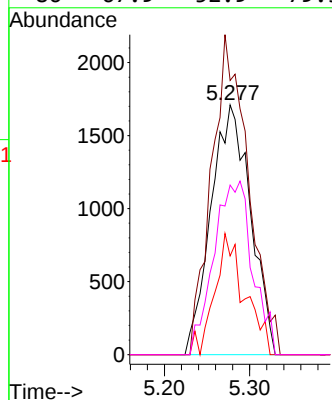
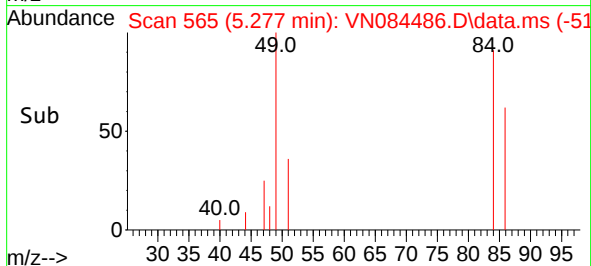


#20
Methylene Chloride
Concen: 2.177 ug/l
RT: 5.277 min Scan# 511
Delta R.T. 0.000 min
Lab File: VN084486.D
Acq: 24 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :

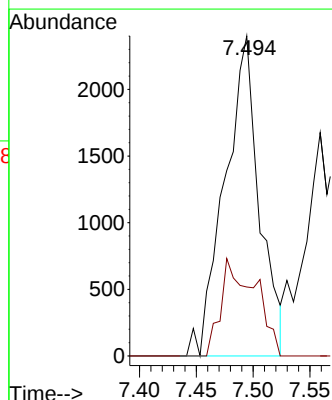
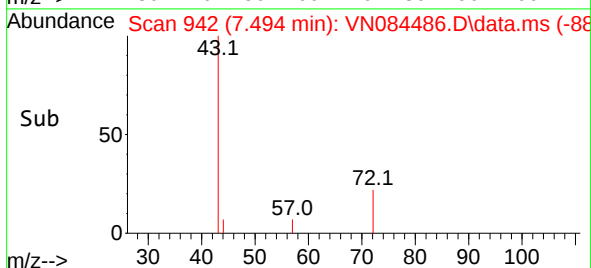
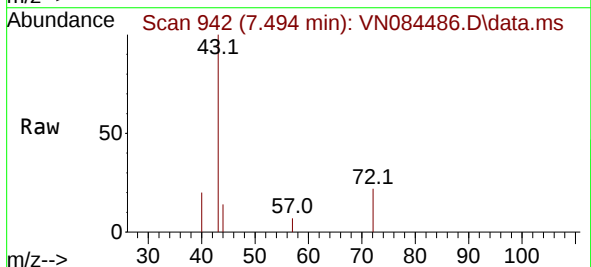


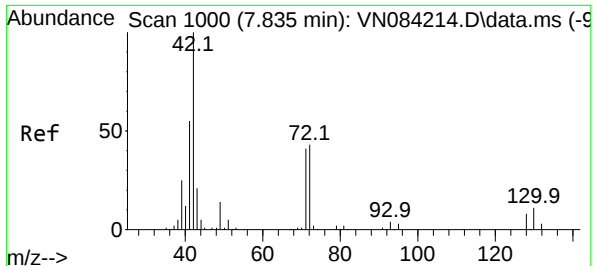
Tgt Ion: 84	Resp: 5515
Ion Ratio	Lower Upper
84 100	
49 109.8	107.2 160.8
51 39.5	31.8 47.8
86 67.9	52.9 79.3



#25
2-Butanone
Concen: 2.992 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084486.D
Acq: 24 Oct 2024 14:22

Tgt Ion: 43	Resp: 5079		
Ion Ratio	Lower	Upper	
43 100			
72 21.5	21.4	32.2	





#29

Tetrahydrofuran

Concen: 0.584 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

Lab File: VN084486.D

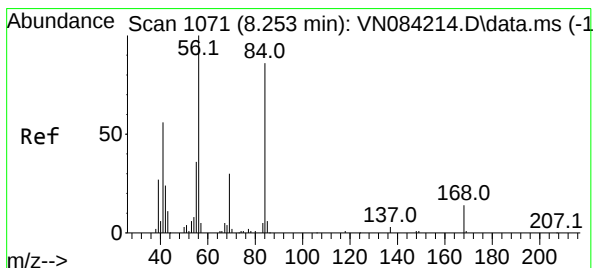
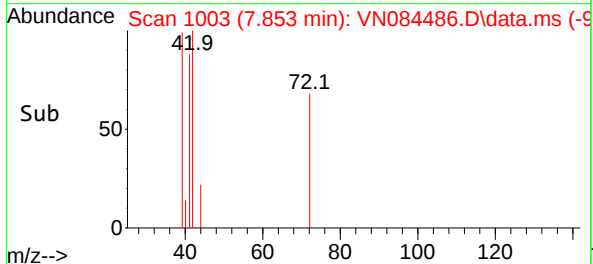
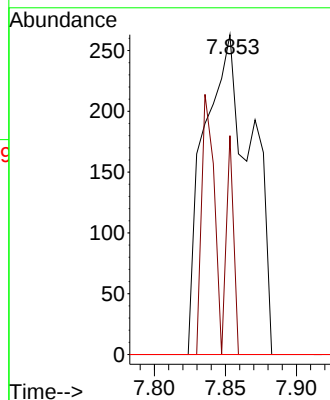
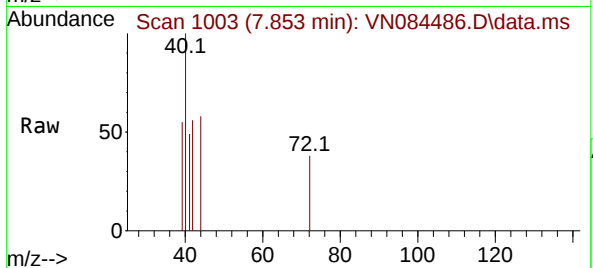
Acq: 24 Oct 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	612
Ion	Ratio	Lower	Upper
42	100		
72	21.4	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.078 ug/l

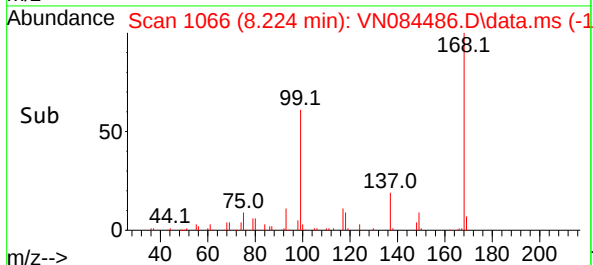
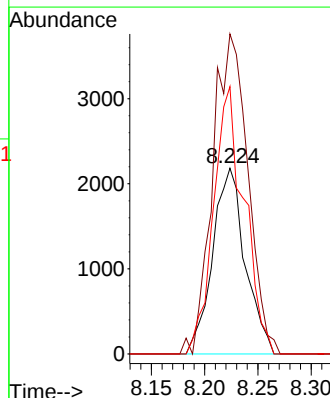
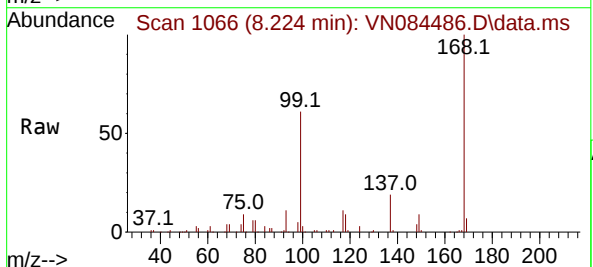
RT: 8.224 min Scan# 1066

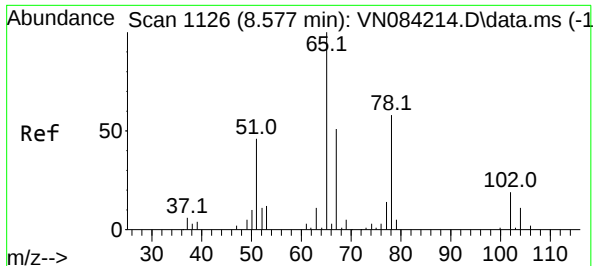
Delta R.T. -0.029 min

Lab File: VN084486.D

Acq: 24 Oct 2024 14:22

Tgt Ion:	56	Resp:	4634
Ion	Ratio	Lower	Upper
56	100		
69	172.2	23.8	35.6#
84	143.9	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 46.641 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084486.D

Acq: 24 Oct 2024 14:22

Instrument :

MSVOA_N

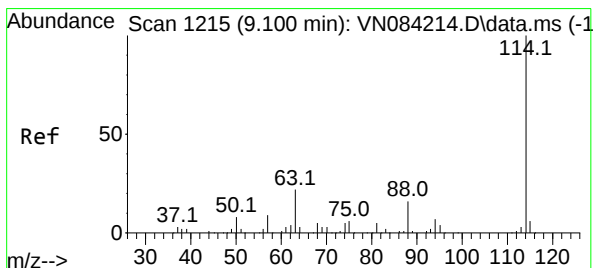
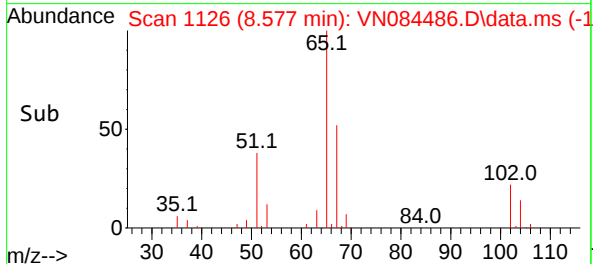
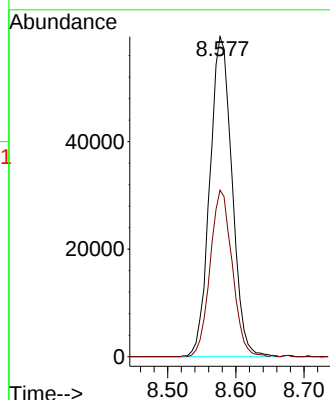
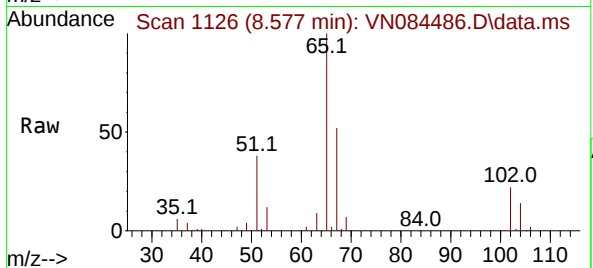
ClientSampleId :

Tgt Ion: 65 Resp: 135322

Ion Ratio Lower Upper

65 100

67 51.7 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: VN084486.D

Acq: 24 Oct 2024 14:22

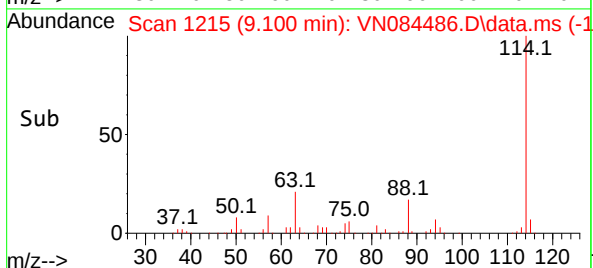
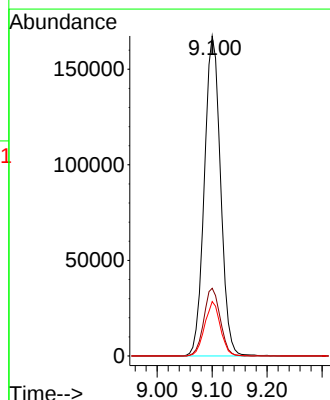
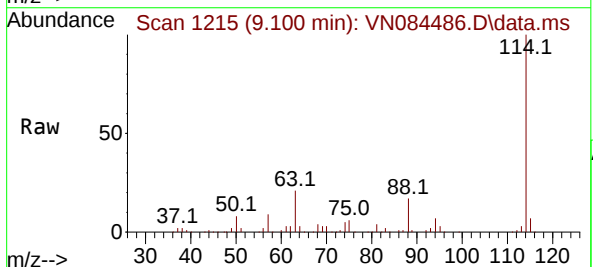
Tgt Ion: 114 Resp: 342841

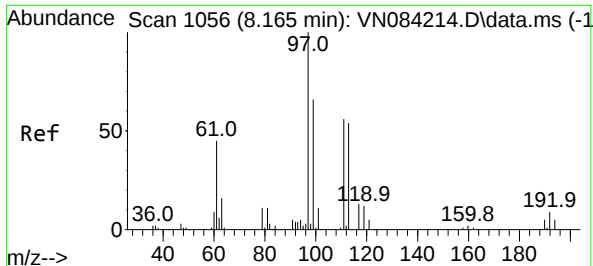
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.8

88 17.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.816 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

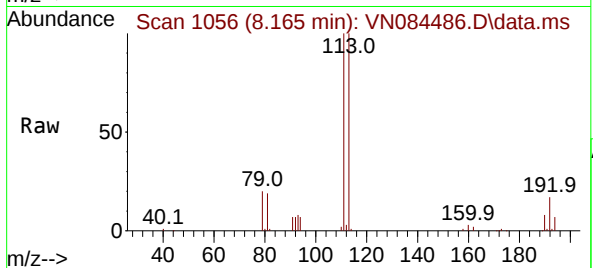
Lab File: VN084486.D

Acq: 24 Oct 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :



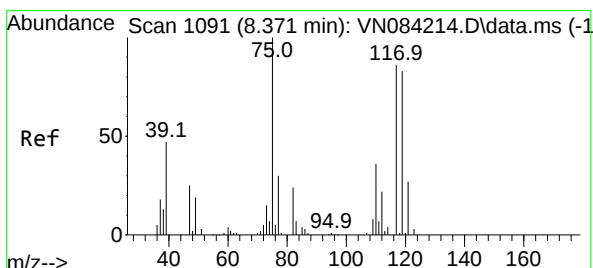
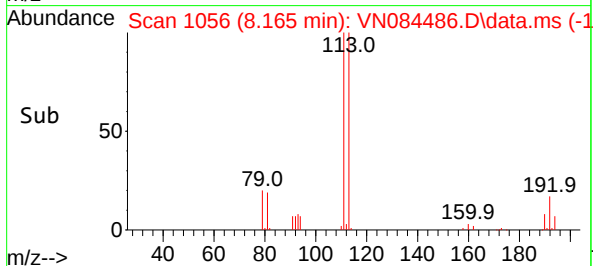
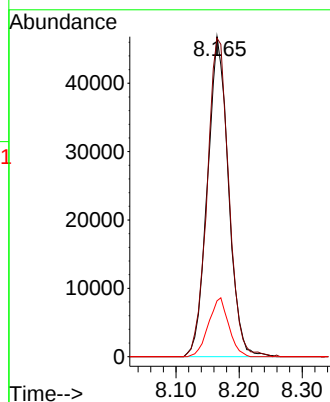
Tgt Ion:113 Resp: 108074

Ion Ratio Lower Upper

113 100

111 102.5 83.3 124.9

192 17.7 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.305 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084486.D

Acq: 24 Oct 2024 14:22

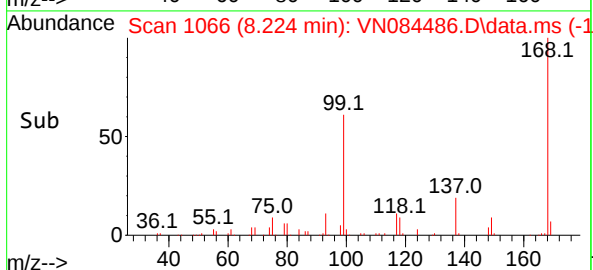
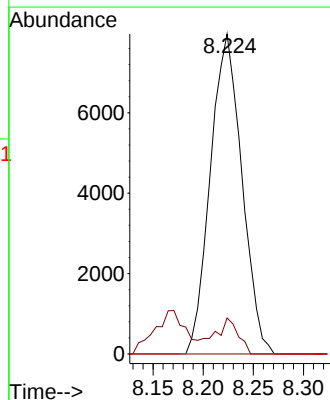
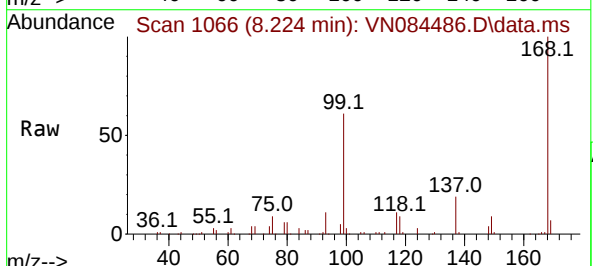
Tgt Ion: 75 Resp: 17418

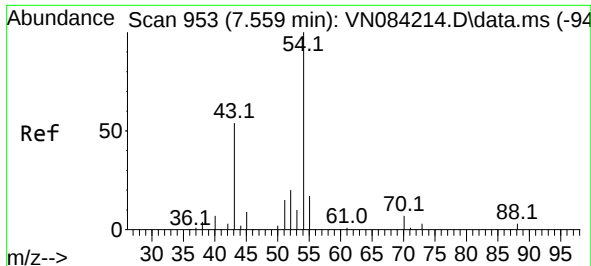
Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.123 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

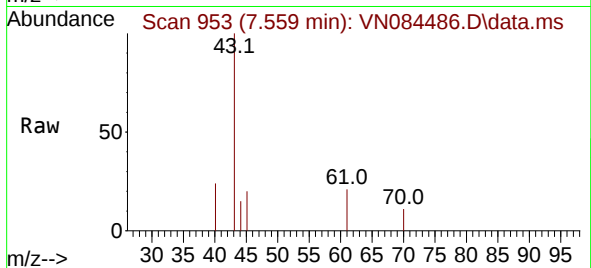
Lab File: VN084486.D

Acq: 24 Oct 2024 14:22

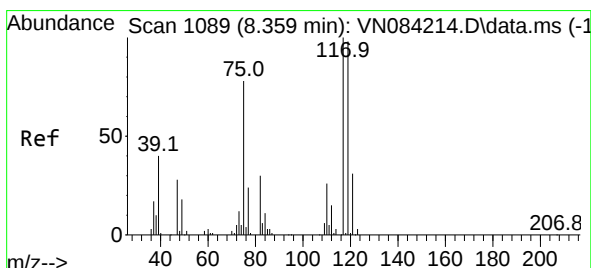
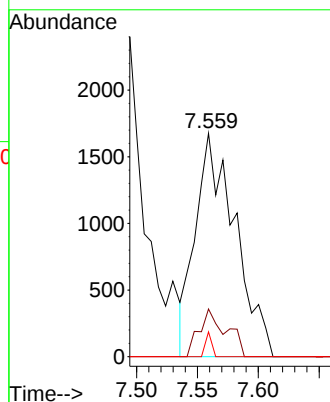
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3784
Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.7	16.1
70	1.7	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.963 ug/l

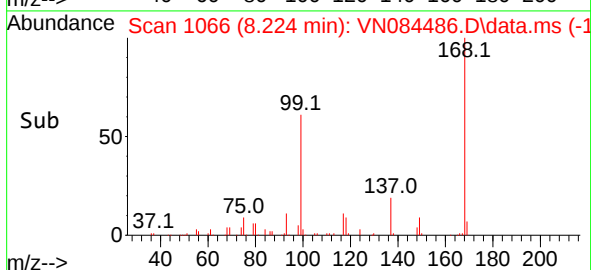
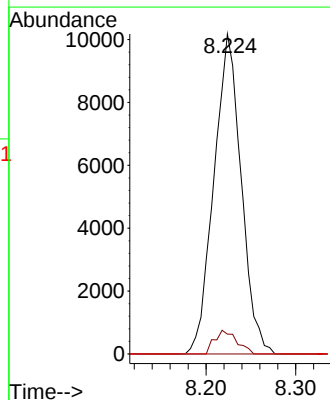
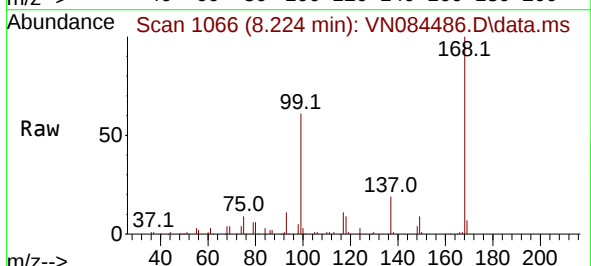
RT: 8.224 min Scan# 1066

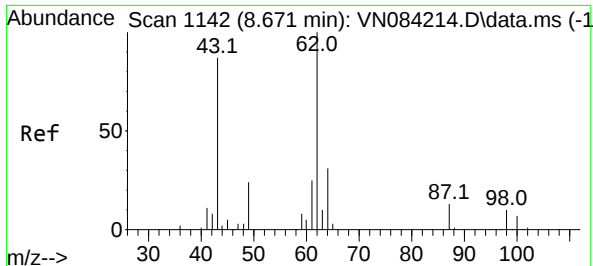
Delta R.T. -0.135 min

Lab File: VN084486.D

Acq: 24 Oct 2024 14:22

Tgt Ion:	117	Resp:	21475
Ion	Ratio	Lower	Upper
117	100		
119	6.2	78.7	118.1#
121	0.0	24.4	36.6#





#42

1,2-Dichloroethane

Concen: 0.228 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN084486.D

Acq: 24 Oct 2024 14:22

Instrument :

MSVOA_N

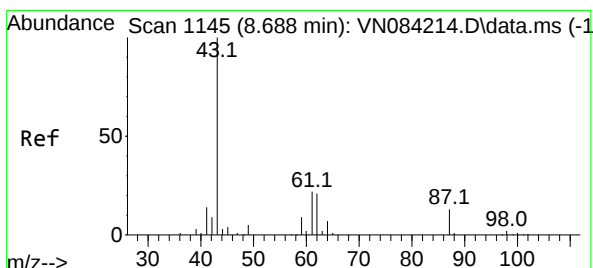
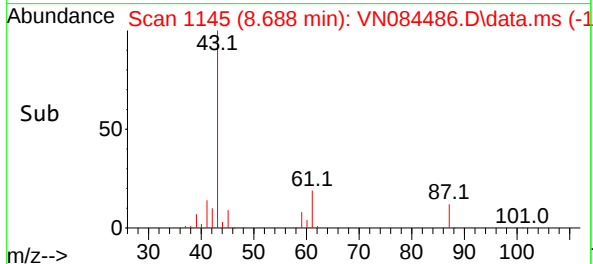
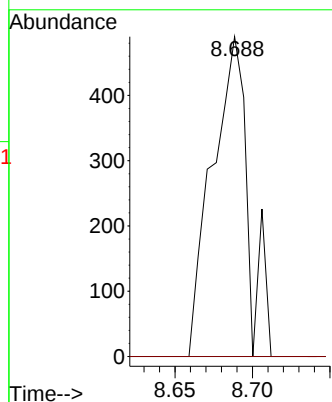
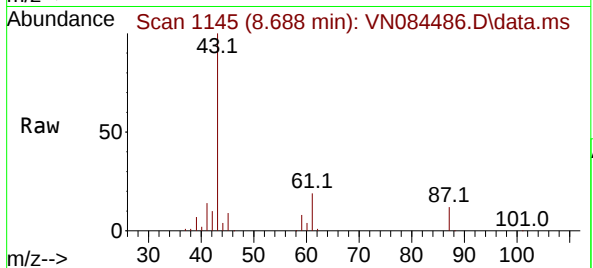
ClientSampleId :

Tgt Ion: 62 Resp: 791

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 27.424 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084486.D

Acq: 24 Oct 2024 14:22

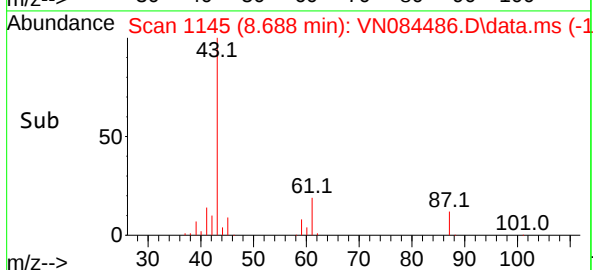
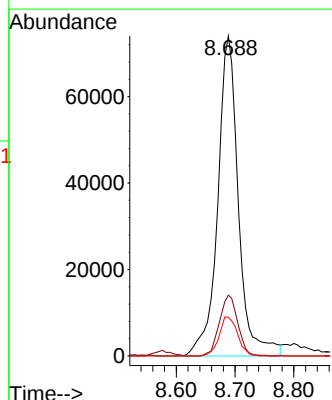
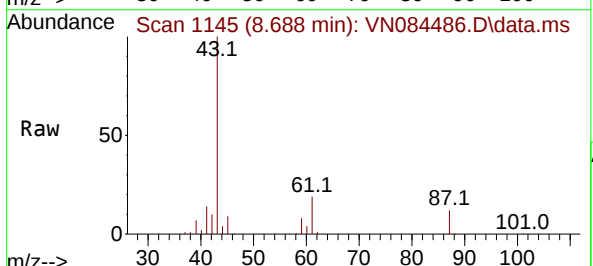
Tgt Ion: 43 Resp: 180921

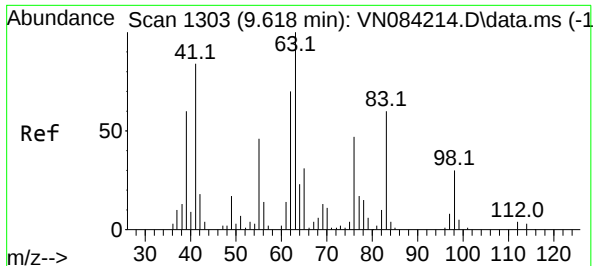
Ion Ratio Lower Upper

43 100

61 16.8 20.4 30.6

87 10.8 10.3 15.5

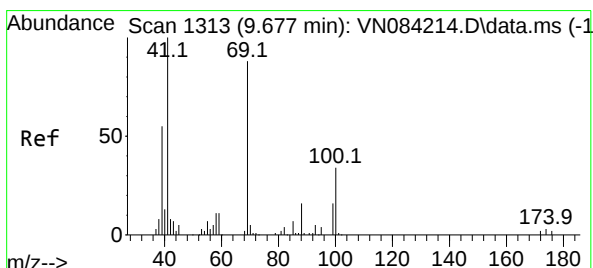
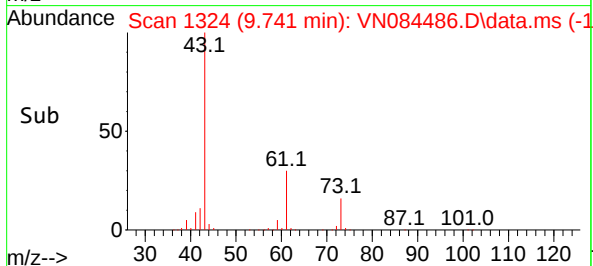
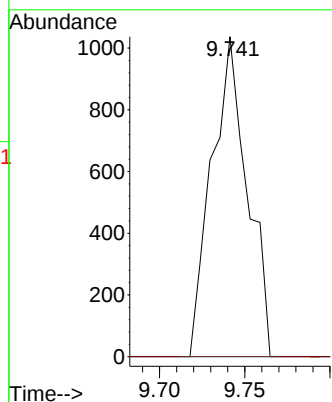
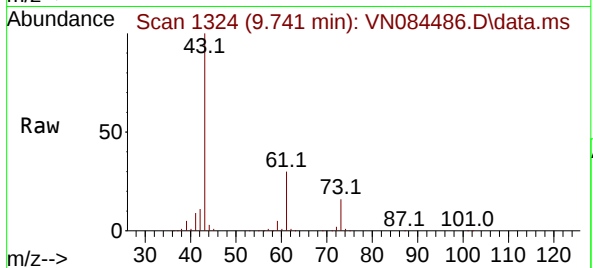




#45
1,2-Dichloropropane
Concen: 0.623 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.124 min
Lab File: VN084486.D
Acq: 24 Oct 2024 14:22

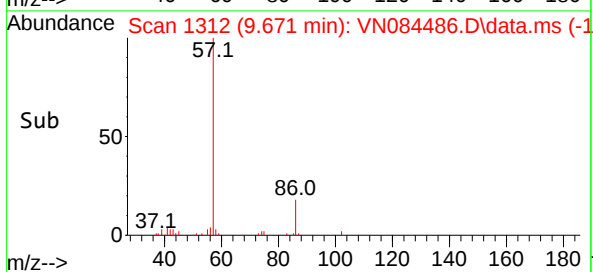
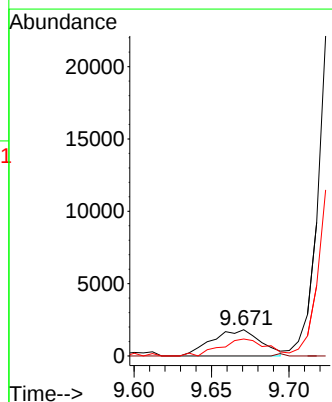
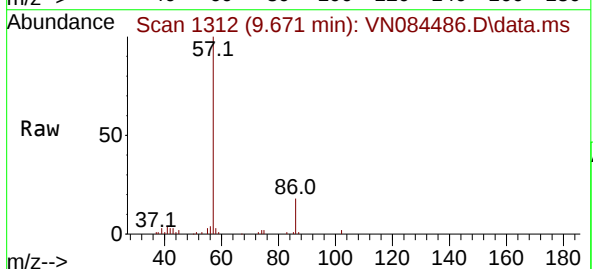
Instrument :
MSVOA_N
ClientSampleId :

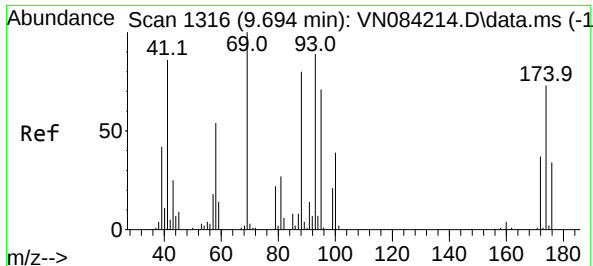
Tgt Ion: 63 Resp: 1507
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.505 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN084486.D
Acq: 24 Oct 2024 14:22

Tgt Ion: 41 Resp: 3953
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 62.1 45.8 68.6





#49

1,4-Dioxane

Concen: 1.282 ug/l

RT: 9.735 min Scan# 1316

Delta R.T. 0.041 min

Lab File: VN084486.D

Acq: 24 Oct 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :

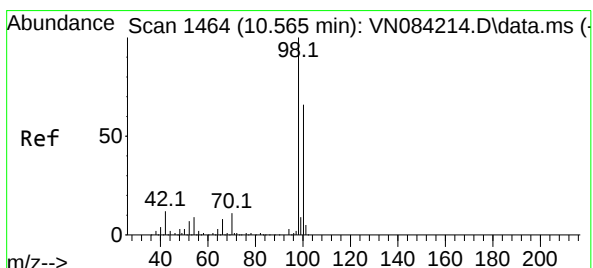
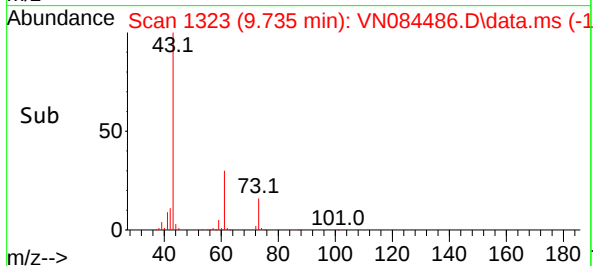
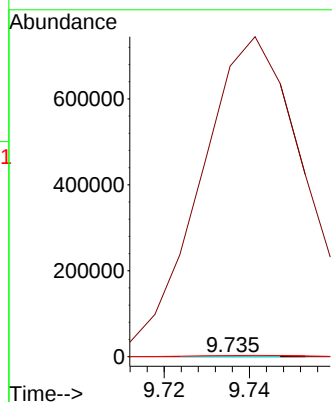
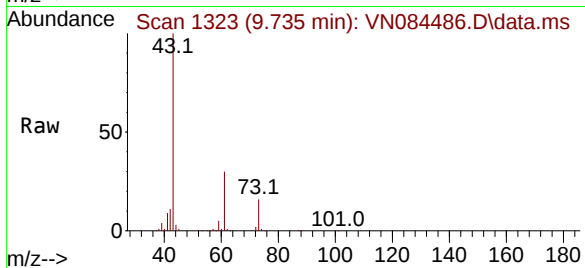
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 2117237.1 25.3 37.9#

58 9301.6 56.4 84.6#



#50

Toluene-d8

Concen: 49.971 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084486.D

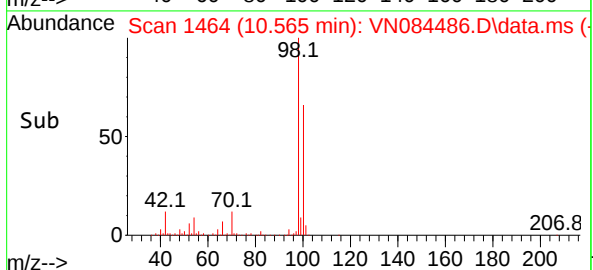
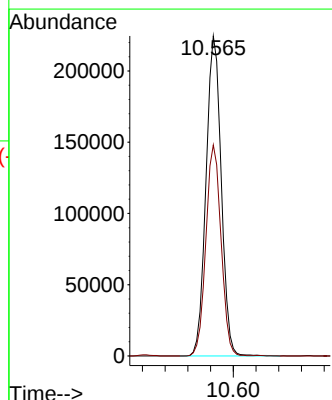
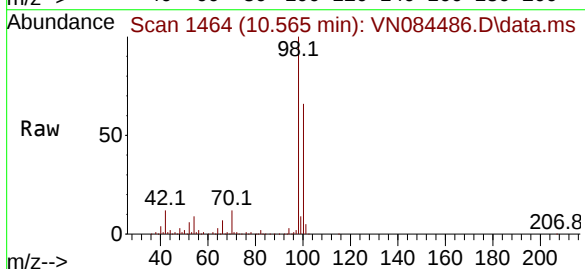
Acq: 24 Oct 2024 14:22

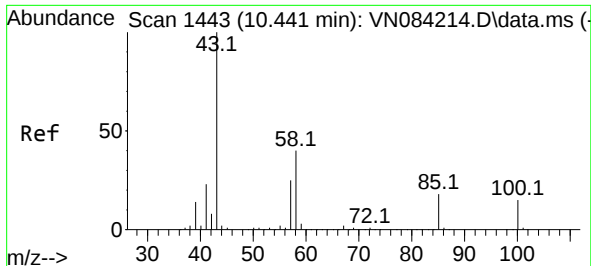
Tgt Ion: 98 Resp: 415536

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1

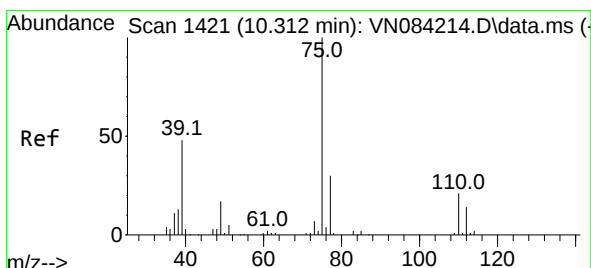
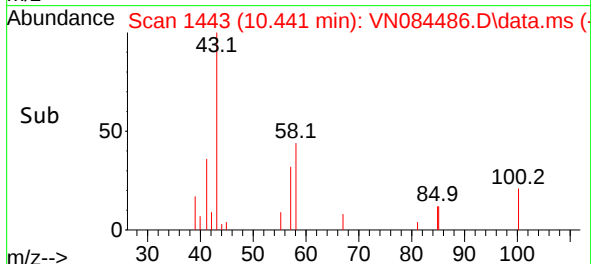
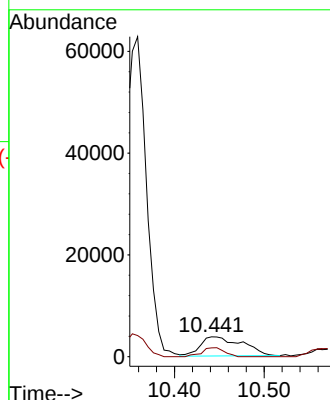
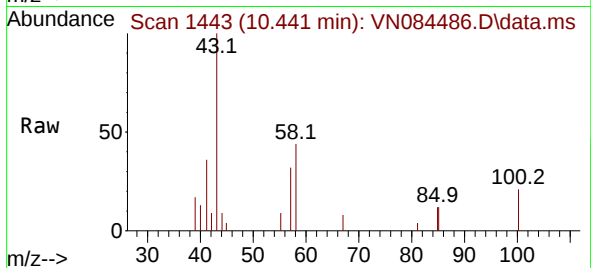




#51
4-Methyl-2-Pentanone
Concen: 3.833 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084486.D
Acq: 24 Oct 2024 14:22

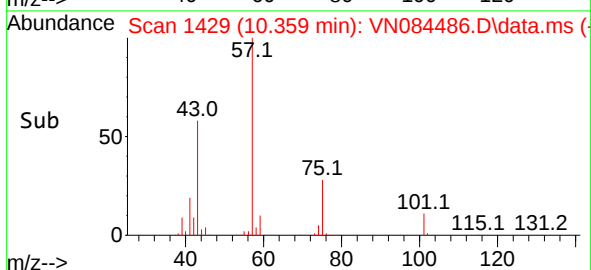
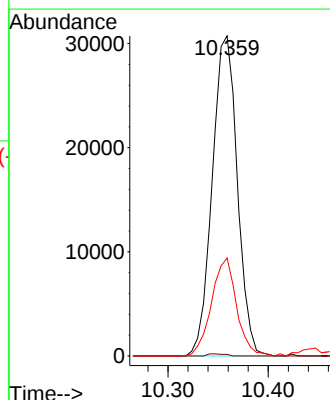
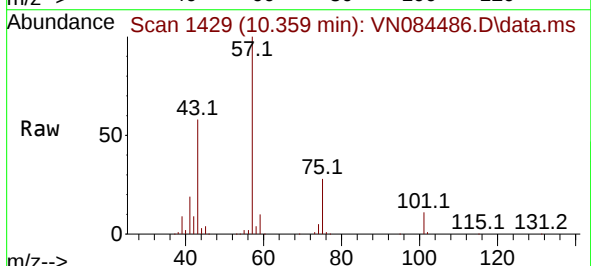
Instrument :
MSVOA_N
ClientSampleId :

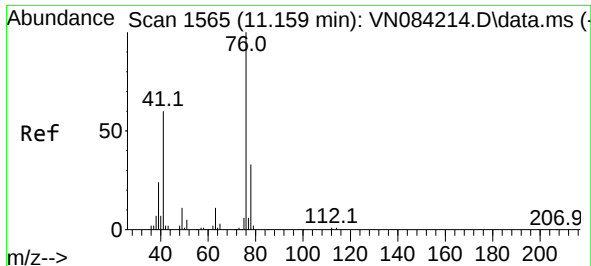
Tgt Ion: 43 Resp: 12290
Ion Ratio Lower Upper
43 100
58 25.1 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 13.405 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084486.D
Acq: 24 Oct 2024 14:22

Tgt Ion: 75 Resp: 53323
Ion Ratio Lower Upper
75 100
77 0.5 24.2 36.2#
39 30.6 38.7 58.1#





#57

1,3-Dichloropropane

Concen: 1.705 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084486.D

Acq: 24 Oct 2024 14:22

Instrument :

MSVOA_N

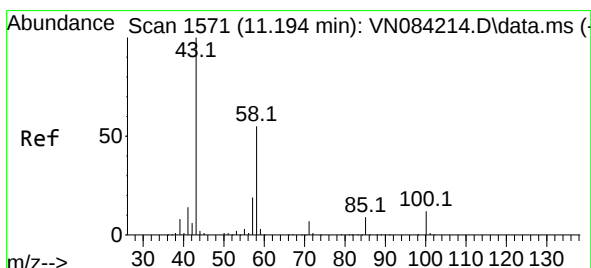
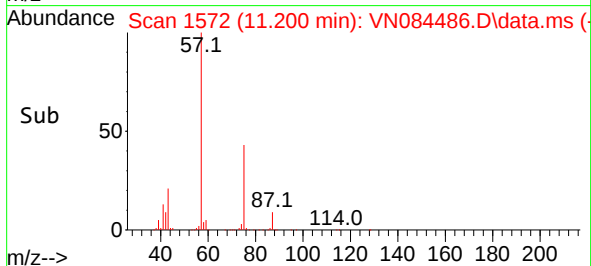
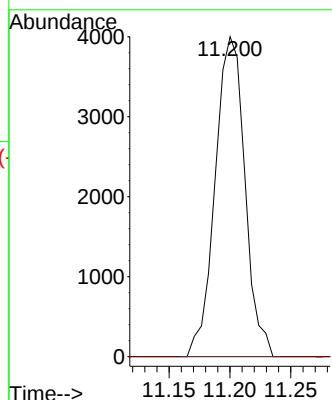
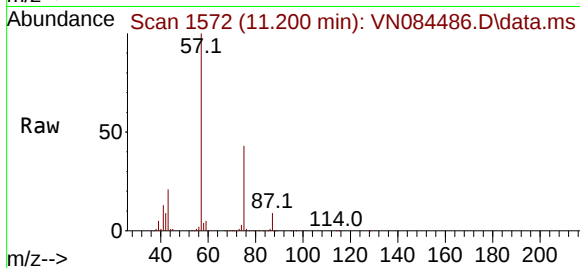
ClientSampleId :

Tgt Ion: 76 Resp: 6811

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 33.324 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084486.D

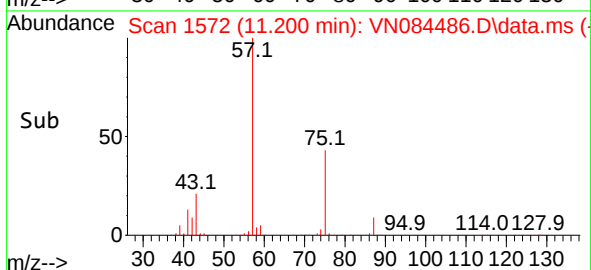
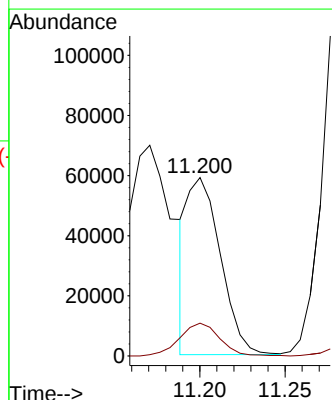
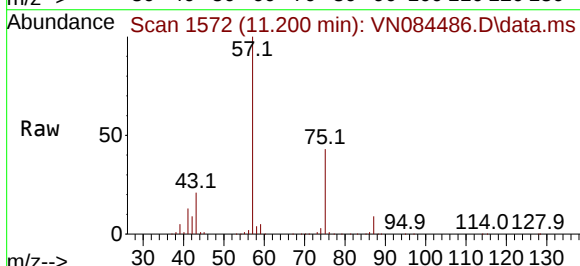
Acq: 24 Oct 2024 14:22

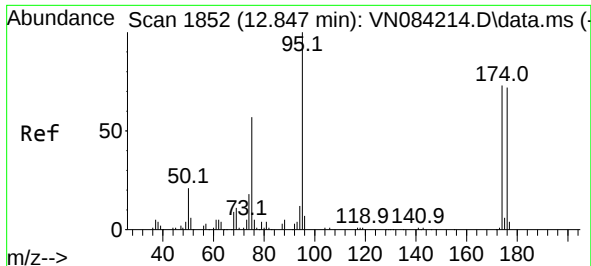
Tgt Ion: 43 Resp: 79860

Ion Ratio Lower Upper

43 100

58 22.4 27.3 81.8#

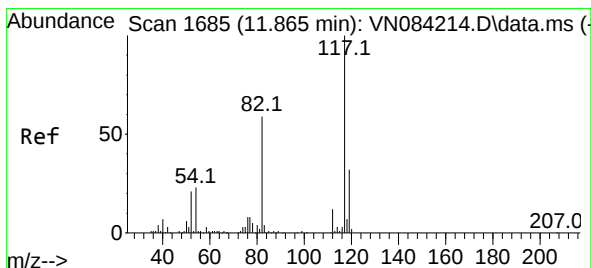
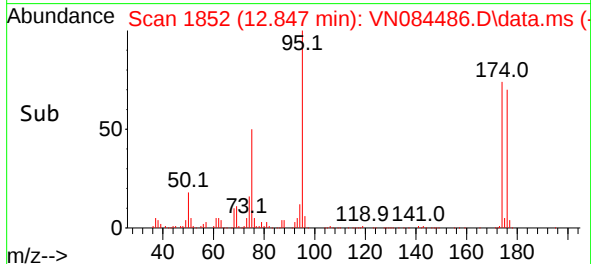
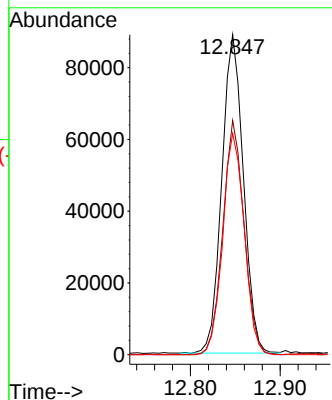
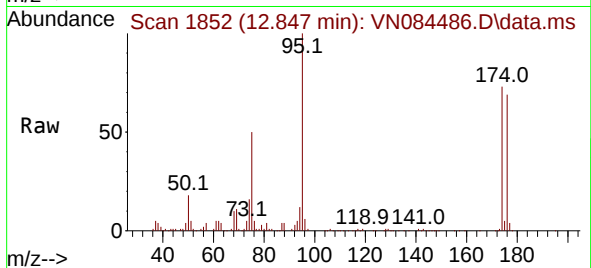




#62
4-Bromofluorobenzene
Concen: 48.846 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084486.D
Acq: 24 Oct 2024 14:22

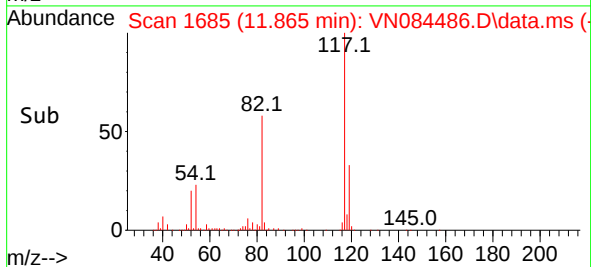
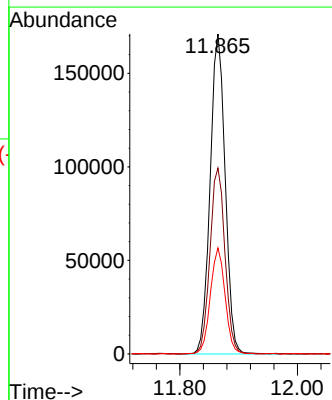
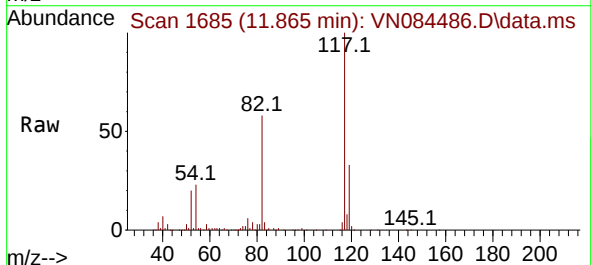
Instrument :
MSVOA_N
ClientSampleId :

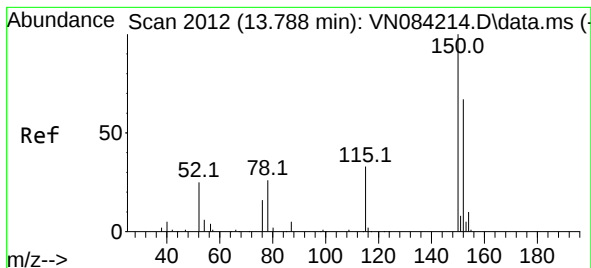
Tgt Ion: 95 Resp: 147978
Ion Ratio Lower Upper
95 100
174 72.5 0.0 145.2
176 69.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084486.D
Acq: 24 Oct 2024 14:22

Tgt Ion: 117 Resp: 303278
Ion Ratio Lower Upper
117 100
82 58.1 47.2 70.8
119 33.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

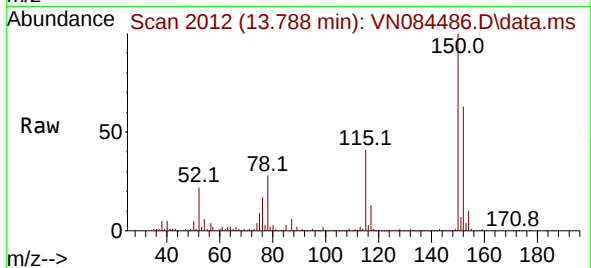
Lab File: VN084486.D

Acq: 24 Oct 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :



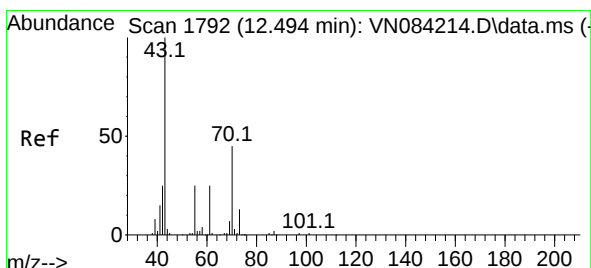
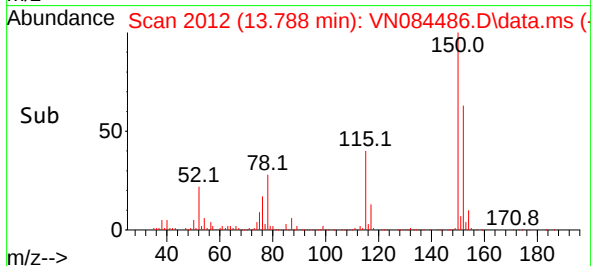
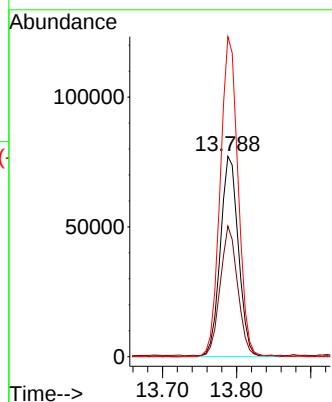
Tgt Ion:152 Resp: 131007

Ion Ratio Lower Upper

152 100

115 61.7 31.3 93.9

150 157.6 0.0 349.8



#74

N-ethyl acetate

Concen: 0.252 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN084486.D

Acq: 24 Oct 2024 14:22

Tgt Ion: 43 Resp: 1142

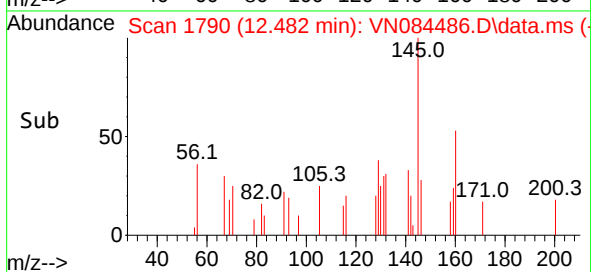
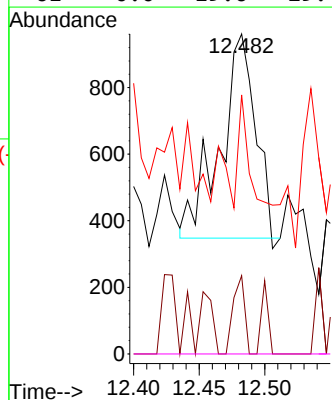
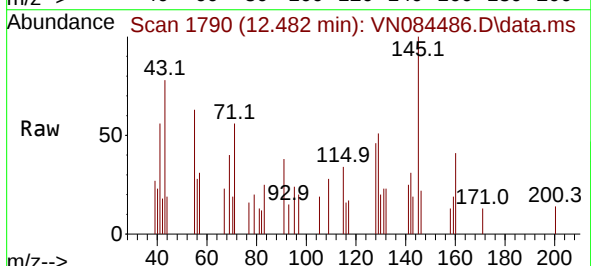
Ion Ratio Lower Upper

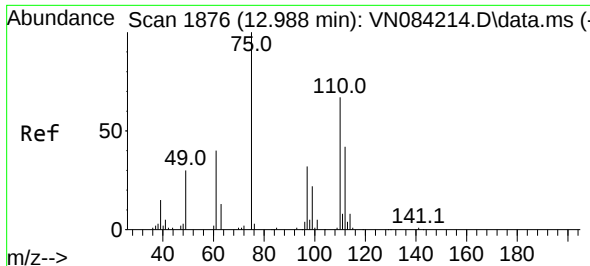
43 100

70 12.5 34.4 51.6#

55 24.8 19.6 29.4

61 0.0 19.6 29.4#

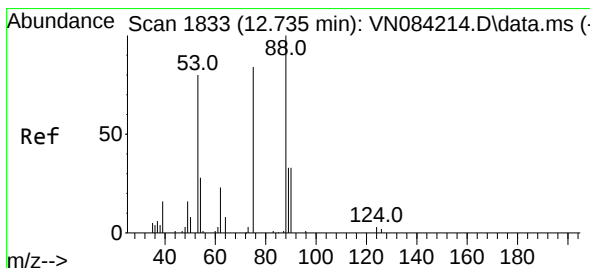
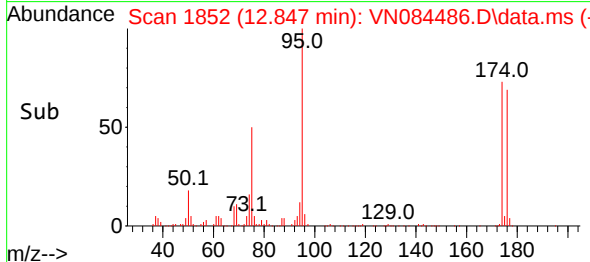
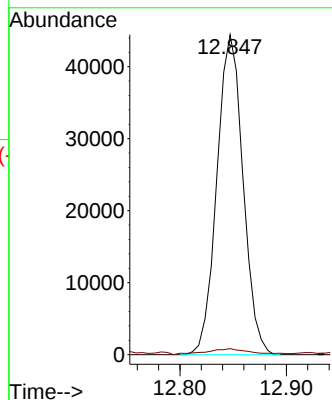
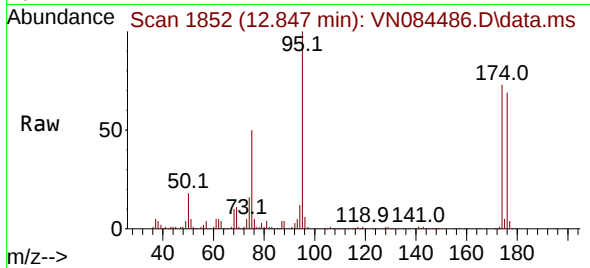




#76
1,2,3-Trichloropropane
Concen: 28.289 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084486.D
Acq: 24 Oct 2024 14:22

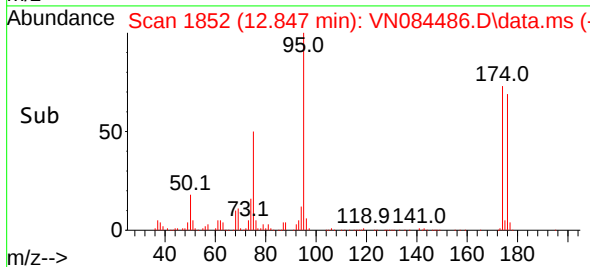
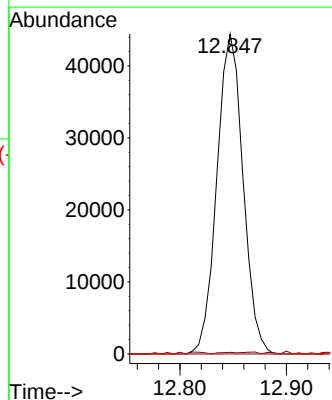
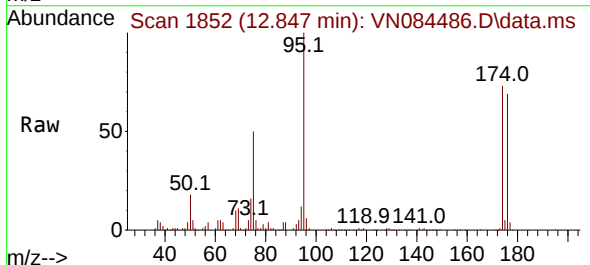
Instrument :
MSVOA_N
ClientSampleId :

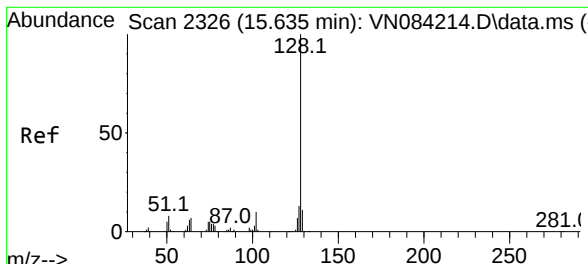
Tgt Ion: 75 Resp: 75661
Ion Ratio Lower Upper
75 100
77 3.3 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.822 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084486.D
Acq: 24 Oct 2024 14:22

Tgt Ion: 75 Resp: 75661
Ion Ratio Lower Upper
75 100
53 0.3 78.0 117.0#
89 0.0 35.5 53.3#





#95
 Naphthalene
 Concen: 0.362 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN084486.D
 Acq: 24 Oct 2024 14:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:	128	Resp:	2623
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	25.7	8.7	13.1#

