

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102924\
 Data File : VN084566.D
 Acq On : 29 Oct 2024 16:05
 Operator : JC\MD
 Sample : P4578-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:05:12 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

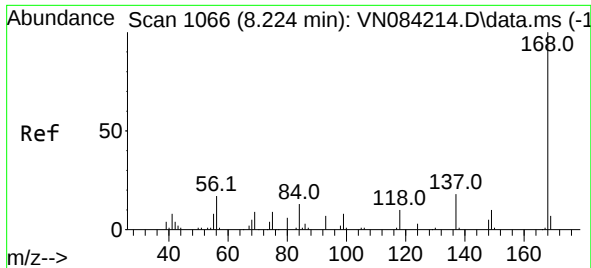
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	154983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	288756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117419	51.098	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.200%	
35) Dibromofluoromethane	8.165	113	93433	49.081	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.160%	
50) Toluene-d8	10.565	98	349472	49.898	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.800%	
62) 4-Bromofluorobenzene	12.847	95	137763	53.992	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	588	0.281	ug/l #	41
6) Chloroethane	3.142	64	672	0.463	ug/l #	45
11) Tert butyl alcohol	5.494	59	3992	10.536	ug/l #	73
13) Acrolein	4.165	56	117	0.269	ug/l #	4
16) Acetone	4.430	43	34440	34.889	ug/l	92
18) Methyl Acetate	5.024	43	6955	3.233	ug/l #	83
20) Methylene Chloride	5.271	84	3144	1.567	ug/l #	80
25) 2-Butanone	7.488	43	4080	3.035	ug/l #	86
31) Cyclohexane	8.218	56	3760	1.105	ug/l #	18
36) 1,1-Dichloropropene	8.218	75	13652	4.937	ug/l #	50
37) Ethyl Acetate	7.553	43	2720	0.959	ug/l #	88
38) Carbon Tetrachloride	8.224	117	17330	5.713	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	635	0.217	ug/l #	75
43) Isopropyl Acetate	8.688	43	173767	31.273	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1157	0.568	ug/l #	44
48) Methyl methacrylate	9.671	41	2891	1.307	ug/l #	44
51) 4-Methyl-2-Pentanone	10.447	43	9480	3.510	ug/l #	67
53) t-1,3-Dichloropropene	10.723	75	661	0.212	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	34150	10.193	ug/l #	61
56) Ethyl methacrylate	10.982	69	1418	0.458	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4722	1.403	ug/l #	42
59) 2-Hexanone	11.170	43	82990	41.117	ug/l #	24
71) Bromoform	12.841	173	483	0.314	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	70922	27.553	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70922	66.058	ug/l #	11

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

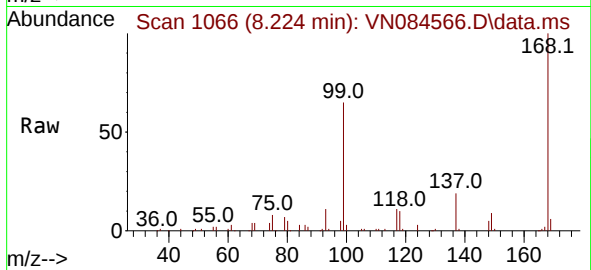
Quant Time: Oct 30 05:05:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



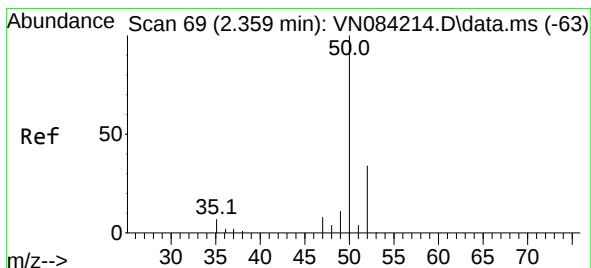
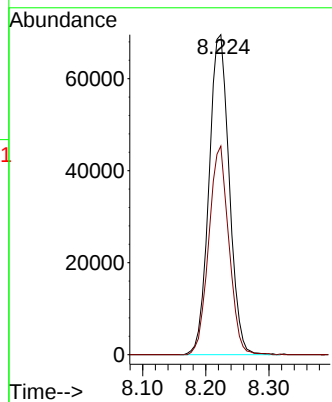
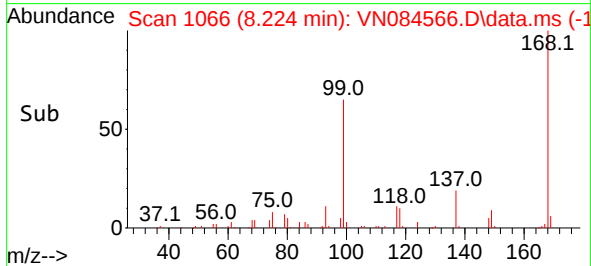


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

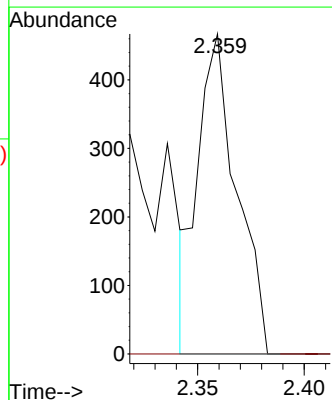
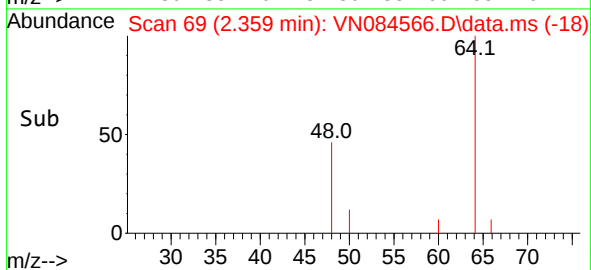
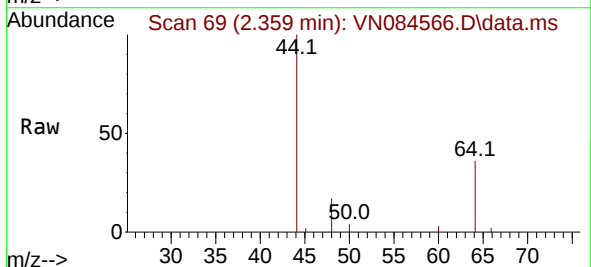


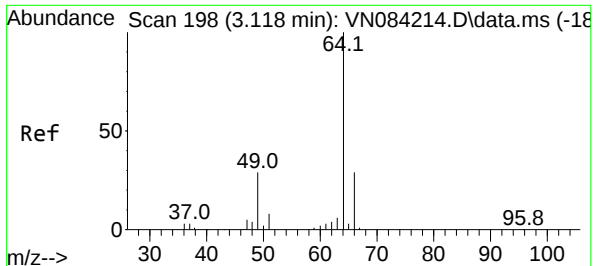
Tgt Ion:168 Resp: 154983
Ion Ratio Lower Upper
168 100
99 65.2 54.2 81.2



#3
Chloromethane
Concen: 0.281 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

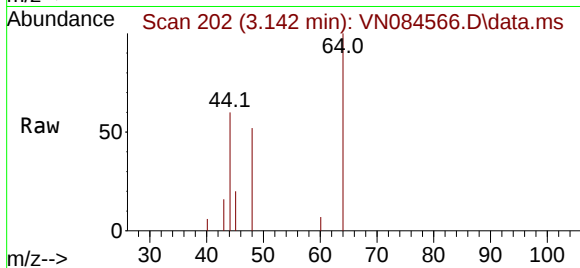
Tgt Ion: 50 Resp: 588
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



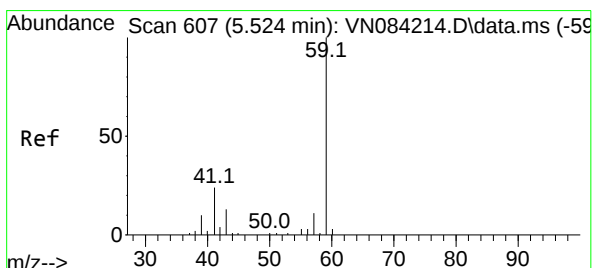
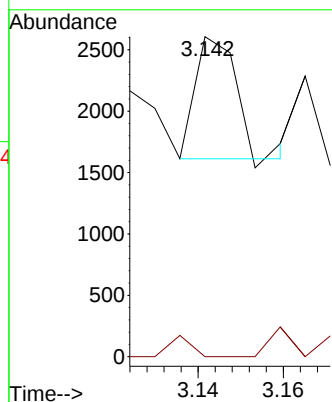
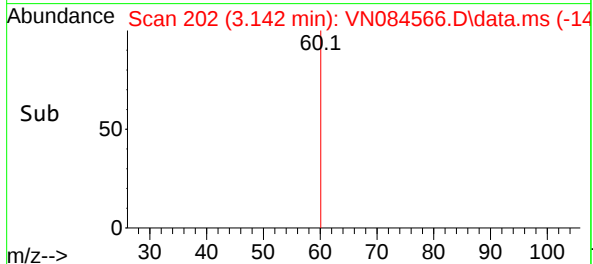


#6
Chloroethane
Concen: 0.463 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.023 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

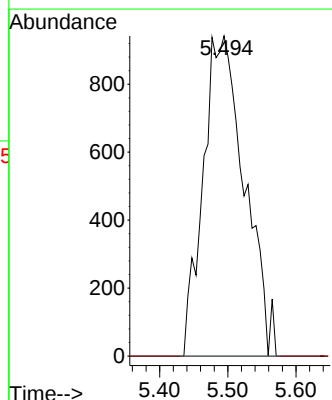
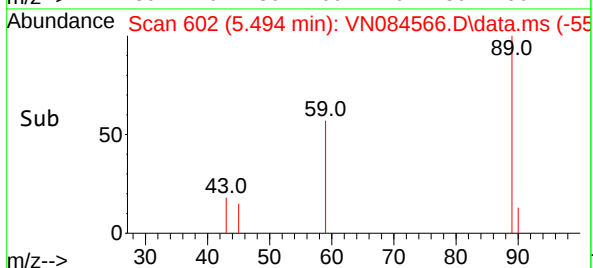
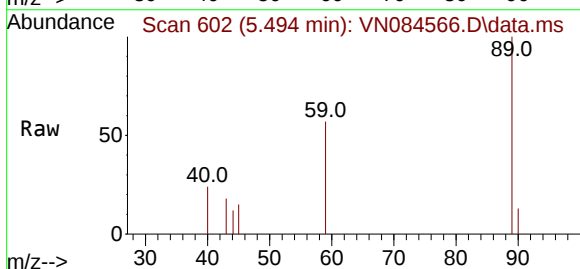


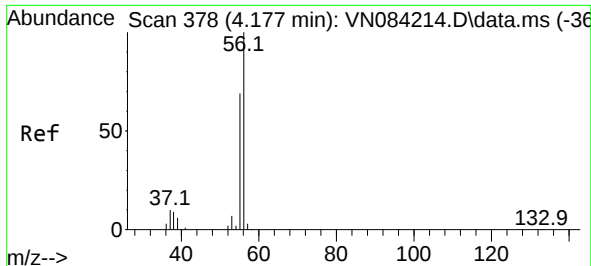
Tgt Ion: 64 Resp: 672
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 10.536 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

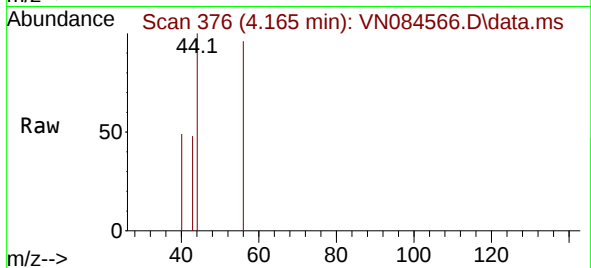
Tgt Ion: 59 Resp: 3992
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



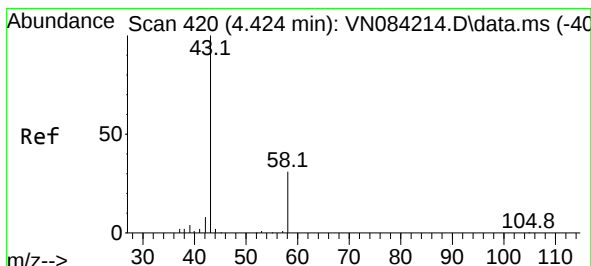
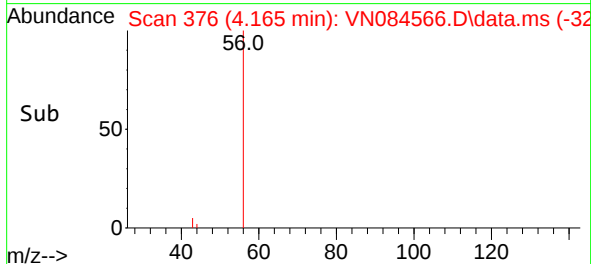
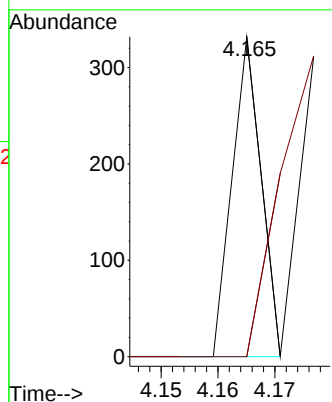


#13
Acrolein
Concen: 0.269 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

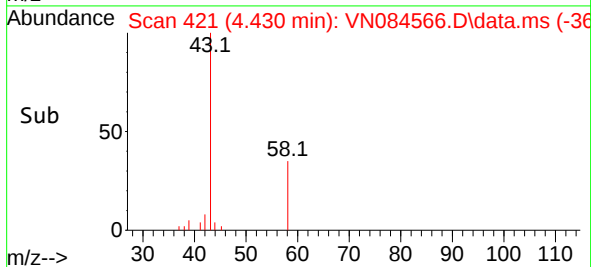
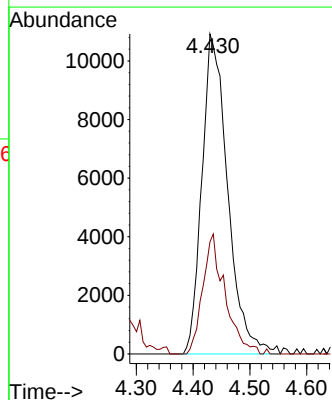
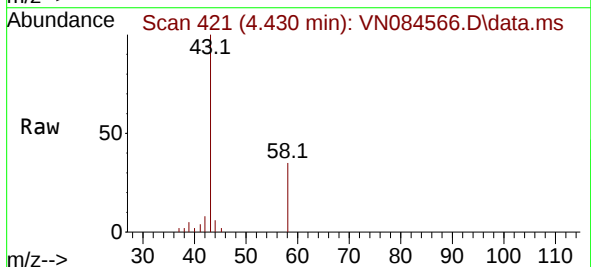


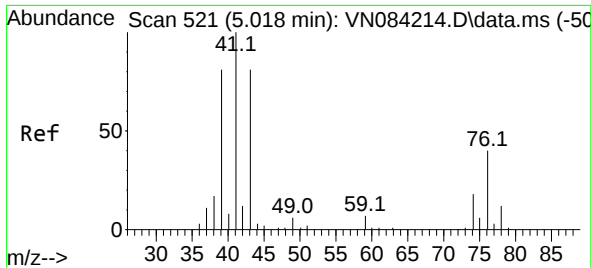
Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 151.3 57.2 85.8#



#16
Acetone
Concen: 34.889 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

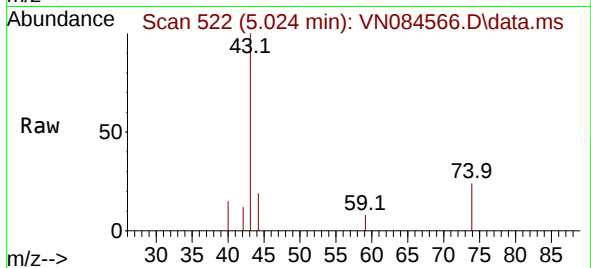
Tgt Ion: 43 Resp: 34440
Ion Ratio Lower Upper
43 100
58 35.0 24.4 36.6



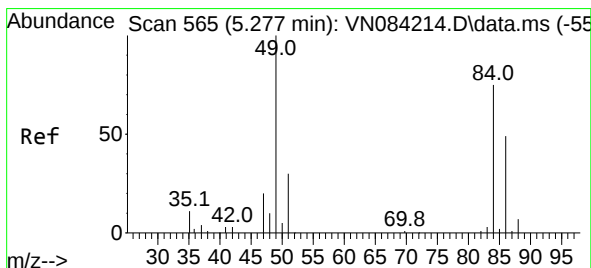
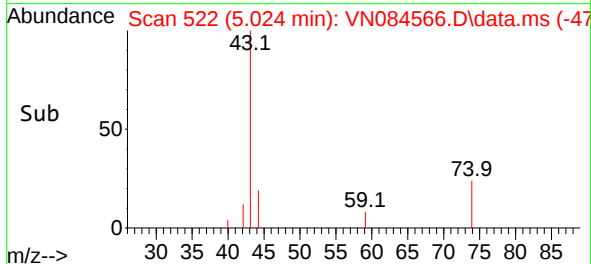
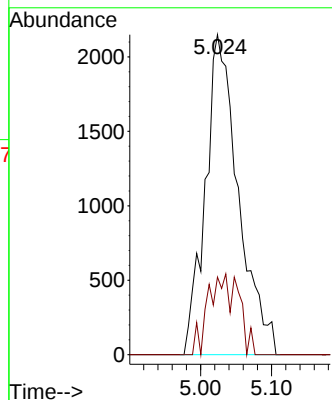


#18
Methyl Acetate
Concen: 3.233 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

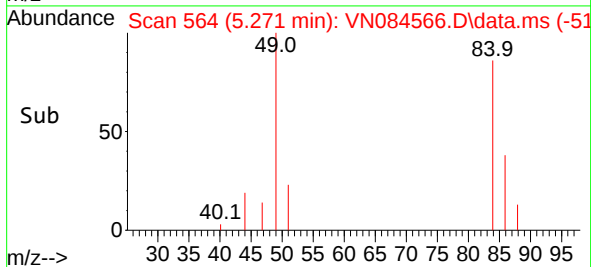
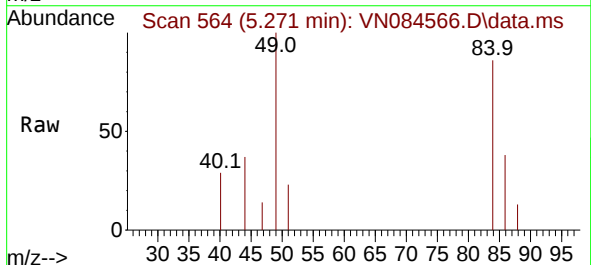
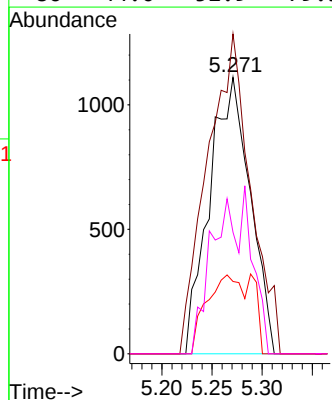


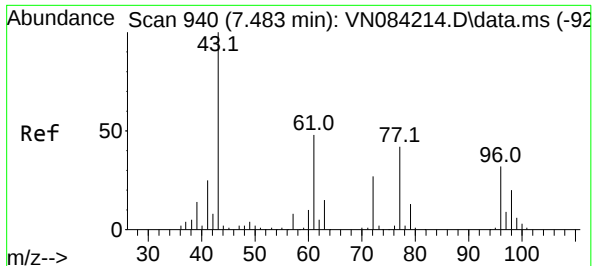
Tgt Ion: 43 Resp: 6955
Ion Ratio Lower Upper
43 100
74 15.8 19.2 28.8#



#20
Methylene Chloride
Concen: 1.567 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

Tgt Ion: 84 Resp: 3144
Ion Ratio Lower Upper
84 100
49 115.7 107.2 160.8
51 26.2 31.8 47.8#
86 44.0 52.9 79.3#





#25

2-Butanone

Concen: 3.035 ug/l

RT: 7.488 min Scan# 94

Delta R.T. 0.006 min

Lab File: VN084566.D

Acq: 29 Oct 2024 16:05

Instrument :

MSVOA_N

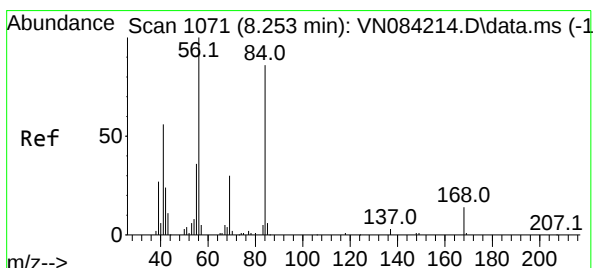
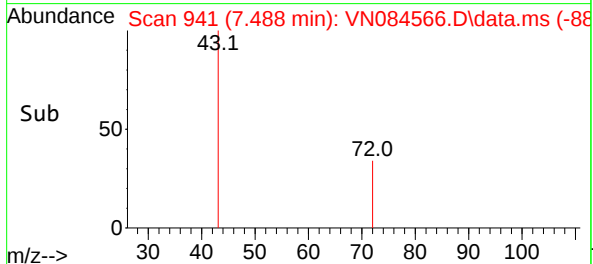
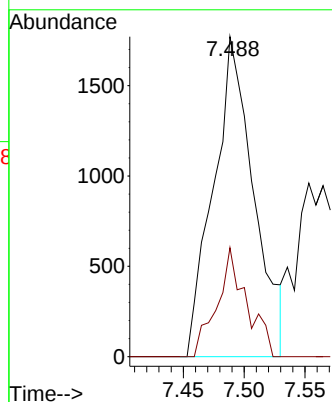
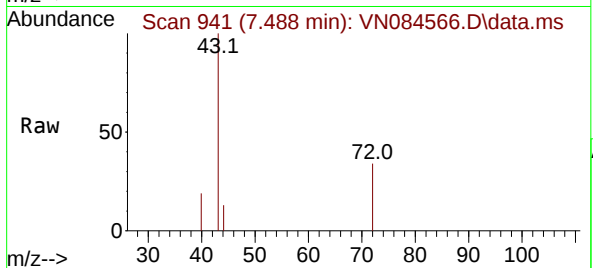
ClientSampleId :

Tgt Ion: 43 Resp: 4080

Ion Ratio Lower Upper

43 100

72 34.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.105 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN084566.D

Acq: 29 Oct 2024 16:05

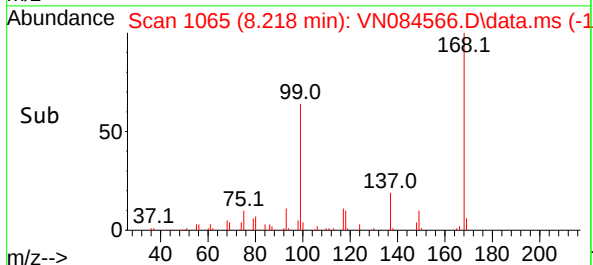
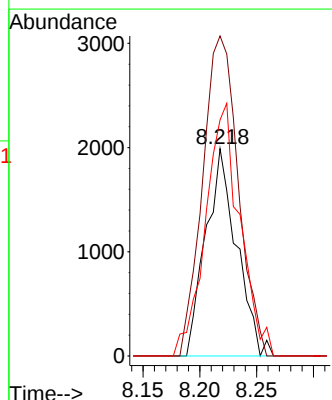
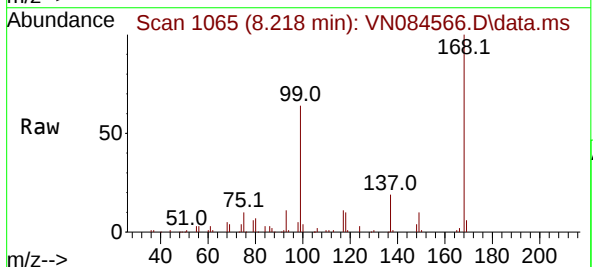
Tgt Ion: 56 Resp: 3760

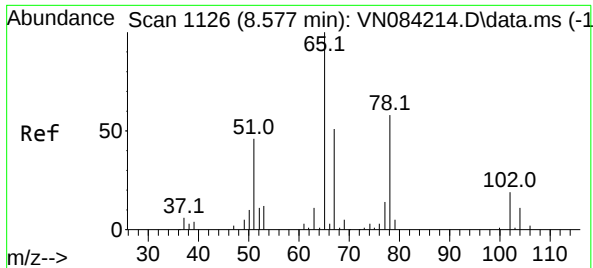
Ion Ratio Lower Upper

56 100

69 154.3 23.8 35.6#

84 113.8 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 51.098 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084566.D

Acq: 29 Oct 2024 16:05

Instrument :

MSVOA_N

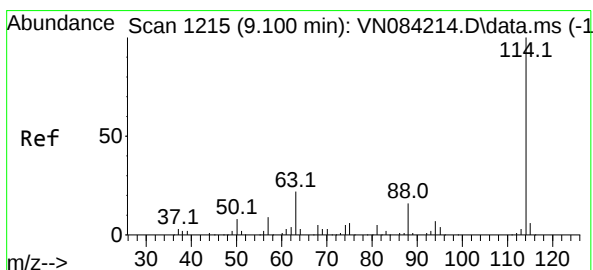
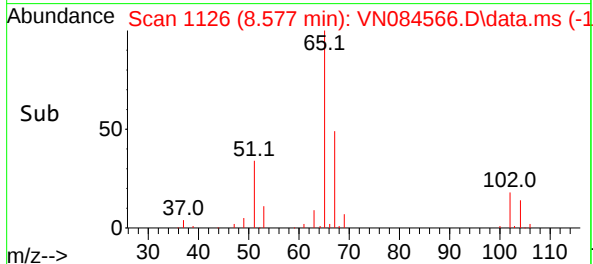
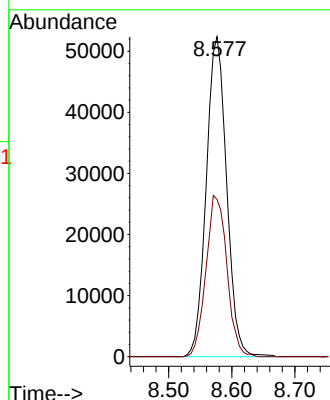
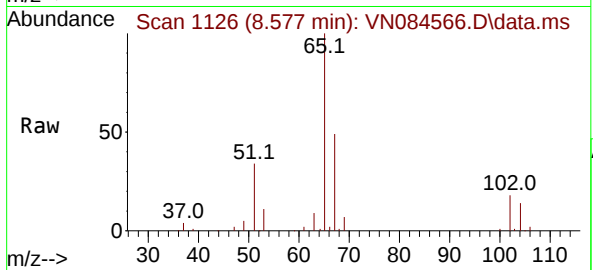
ClientSampleId :

Tgt Ion: 65 Resp: 117419

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: VN084566.D

Acq: 29 Oct 2024 16:05

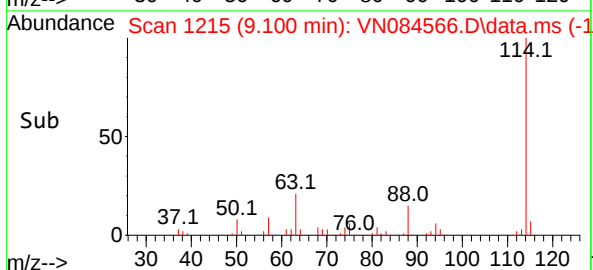
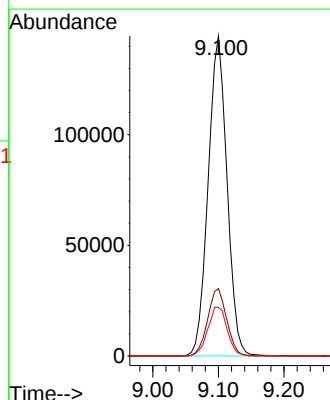
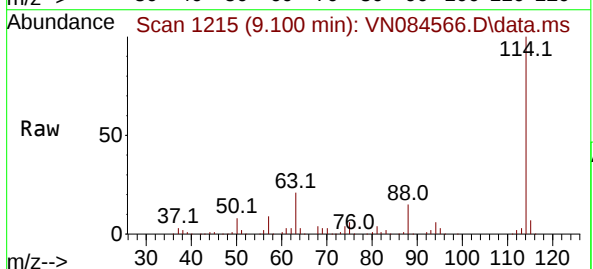
Tgt Ion: 114 Resp: 288756

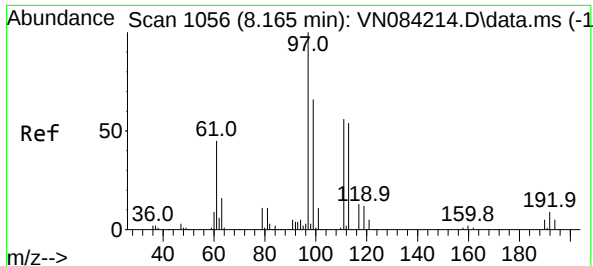
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.8

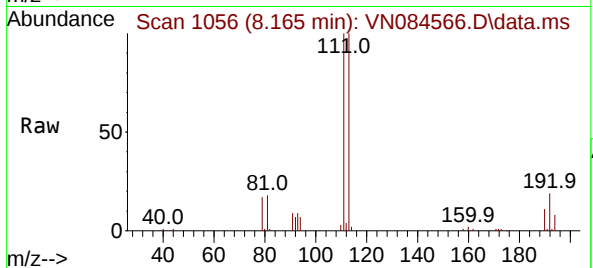
88 15.2 0.0 31.6



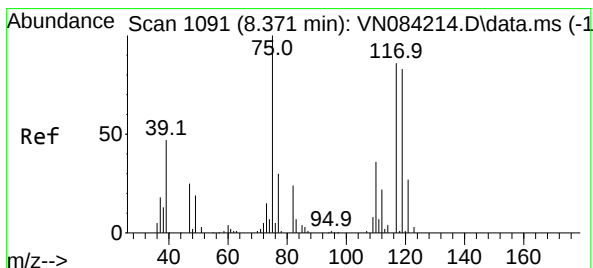
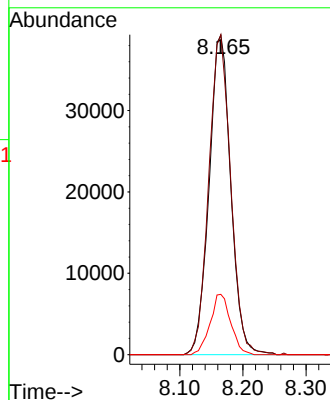
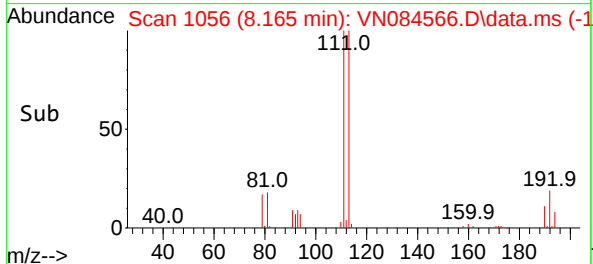


#35
Dibromofluoromethane
Concen: 49.081 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

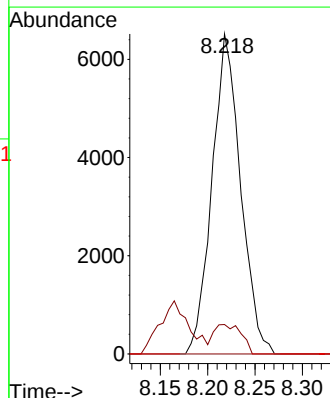
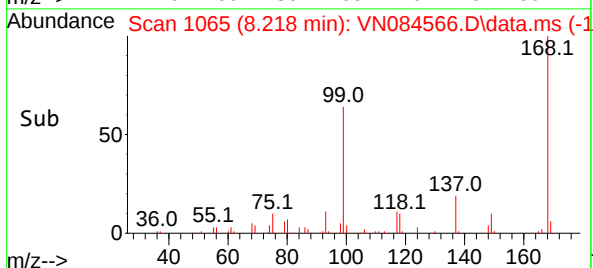
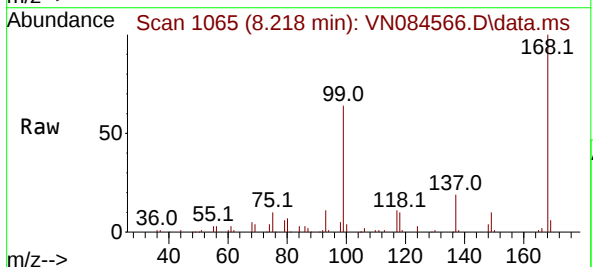


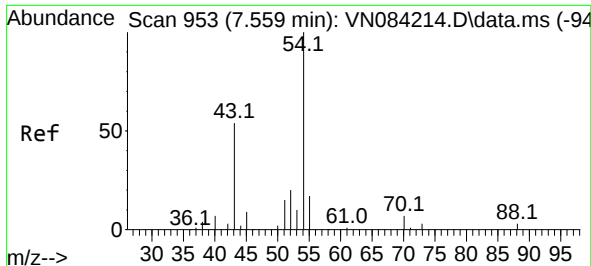
Tgt Ion:113 Resp: 93433
Ion Ratio Lower Upper
113 100
111 101.3 83.3 124.9
192 18.0 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.937 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

Tgt Ion: 75 Resp: 13652
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.959 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN084566.D

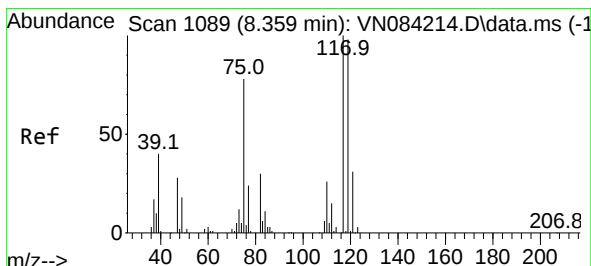
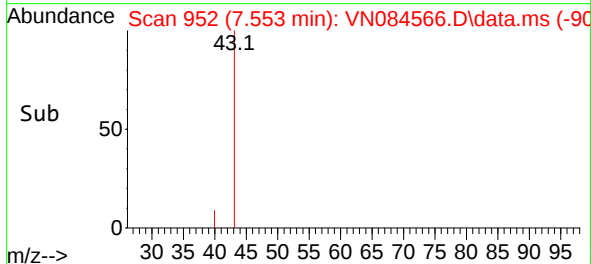
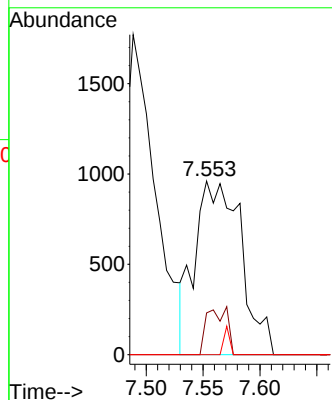
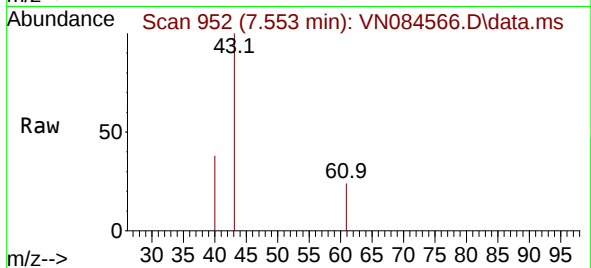
Acq: 29 Oct 2024 16:05

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	2720
Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.7	16.1
70	2.1	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.713 ug/l

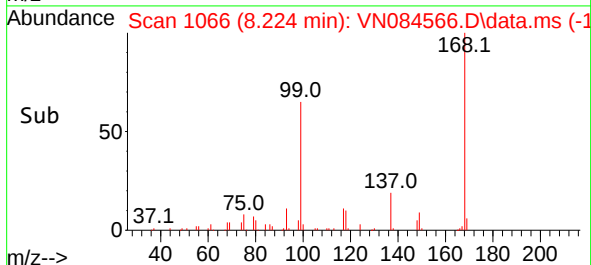
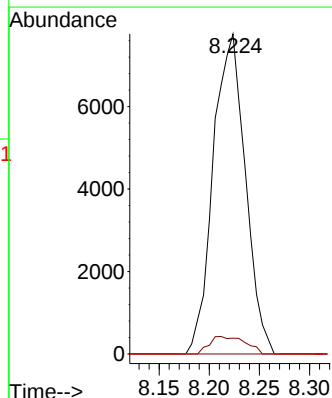
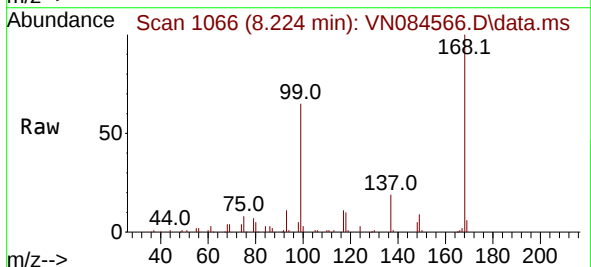
RT: 8.224 min Scan# 1066

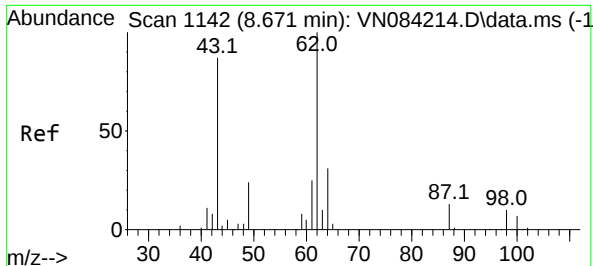
Delta R.T. -0.135 min

Lab File: VN084566.D

Acq: 29 Oct 2024 16:05

Tgt Ion:	117	Resp:	17330
Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.7	118.1#
121	0.0	24.4	36.6#





#42

1,2-Dichloroethane

Concen: 0.217 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN084566.D

Acq: 29 Oct 2024 16:05

Instrument :

MSVOA_N

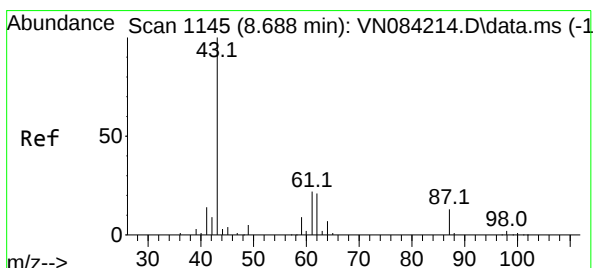
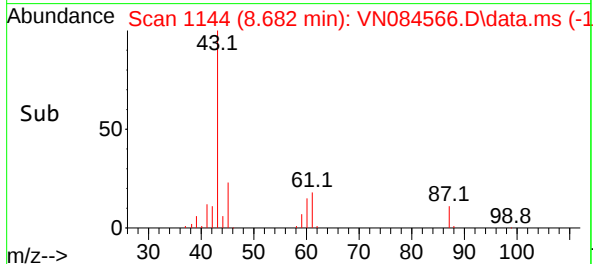
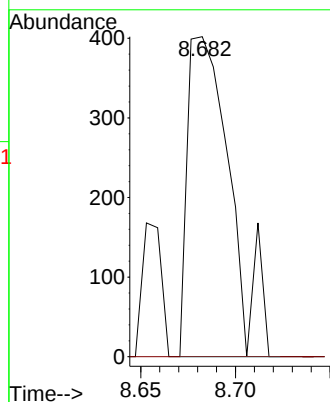
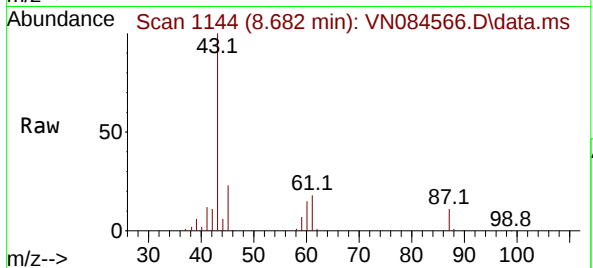
ClientSampleId :

Tgt Ion: 62 Resp: 635

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 31.273 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN084566.D

Acq: 29 Oct 2024 16:05

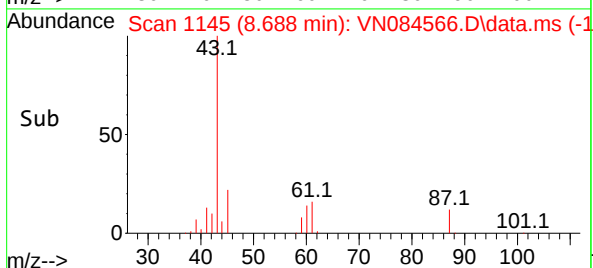
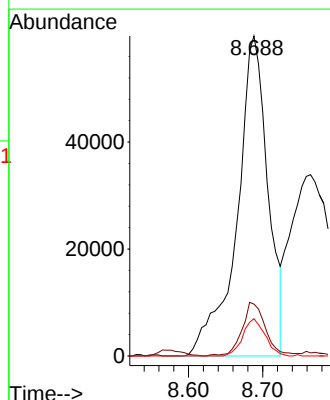
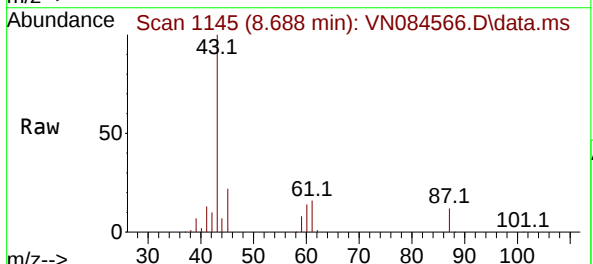
Tgt Ion: 43 Resp: 173767

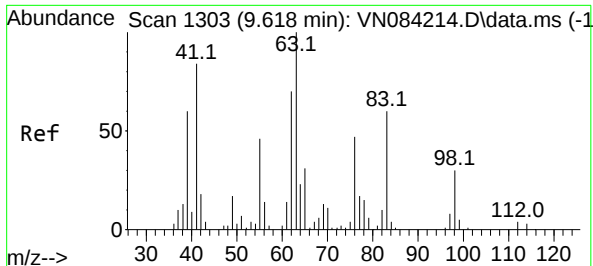
Ion Ratio Lower Upper

43 100

61 12.6 20.4 30.6#

87 8.3 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.568 ug/l

RT: 9.741 min Scan# 1157

Delta R.T. 0.123 min

Lab File: VN084566.D

Acq: 29 Oct 2024 16:05

Instrument :

MSVOA_N

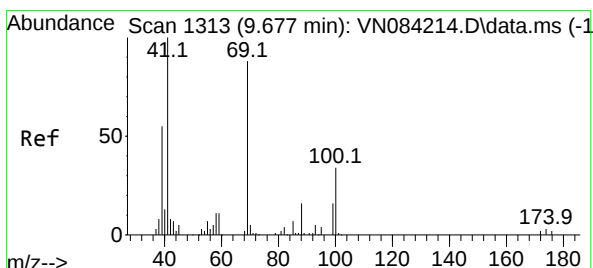
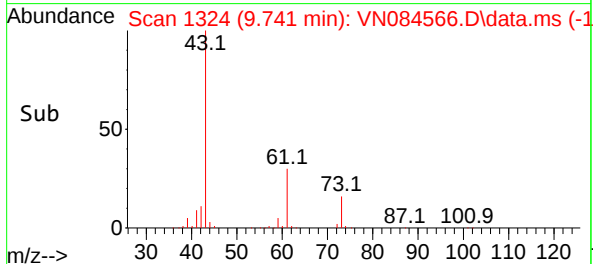
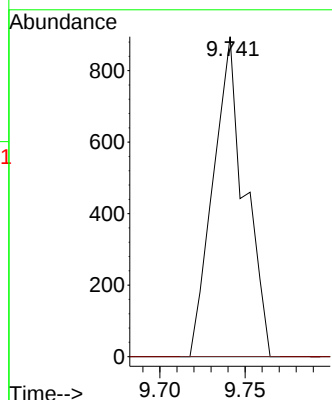
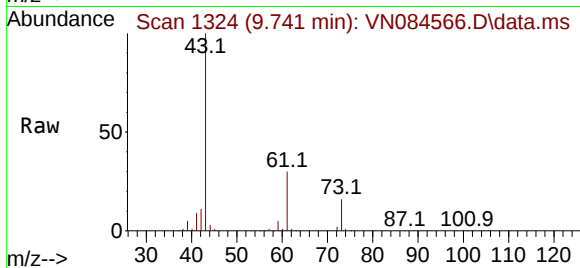
ClientSampleId :

Tgt Ion: 63 Resp: 1157

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.307 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN084566.D

Acq: 29 Oct 2024 16:05

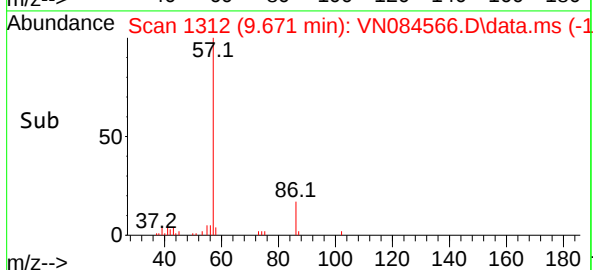
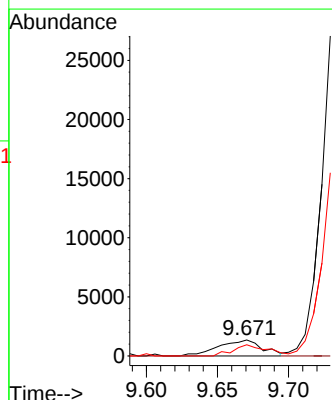
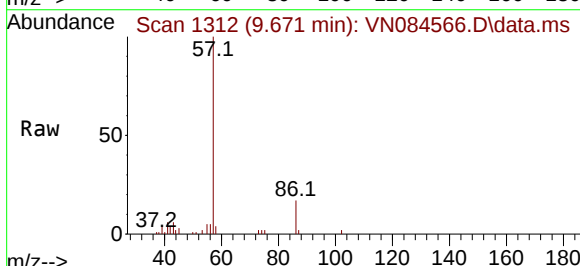
Tgt Ion: 41 Resp: 2891

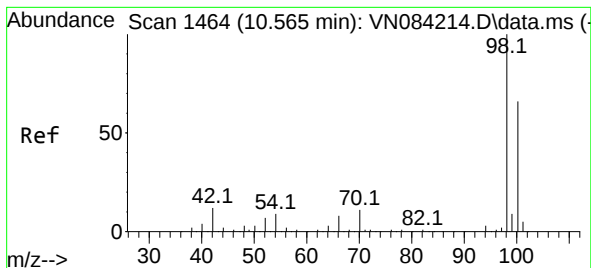
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 55.9 45.8 68.6

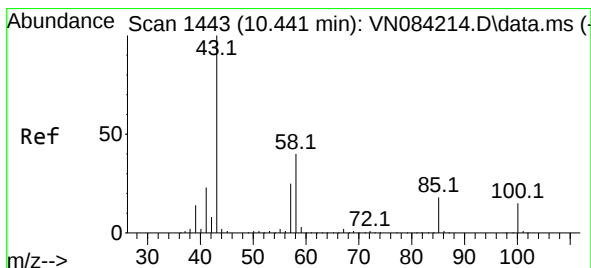
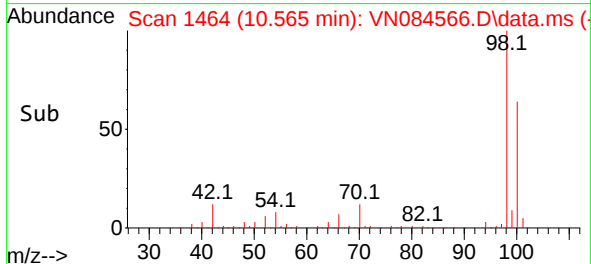
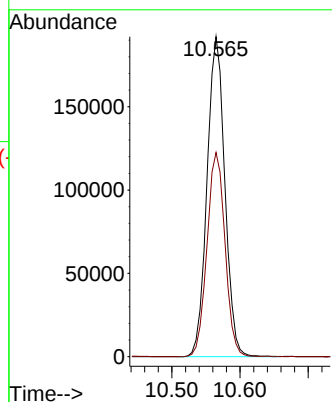
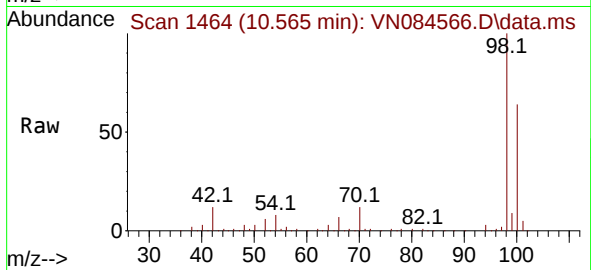




#50
Toluene-d8
Concen: 49.898 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

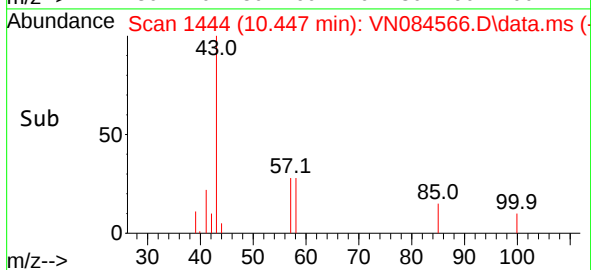
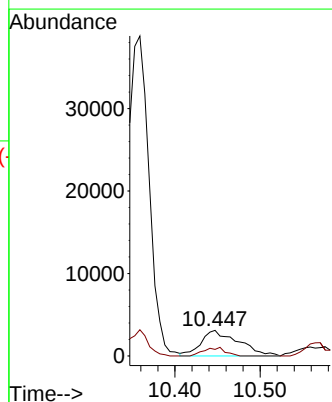
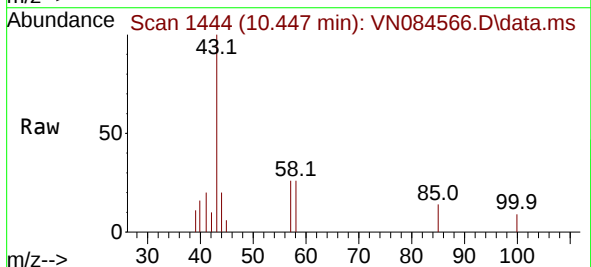
Instrument :
MSVOA_N
ClientSampleId :

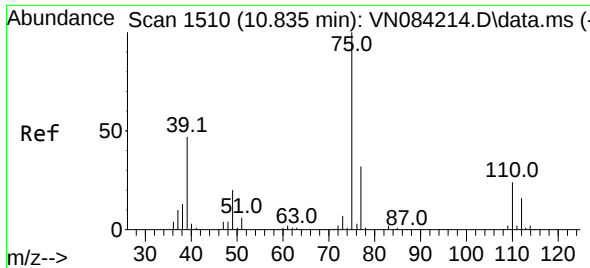
Tgt Ion: 98 Resp: 349472
Ion Ratio Lower Upper
98 100
100 64.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 3.510 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

Tgt Ion: 43 Resp: 9480
Ion Ratio Lower Upper
43 100
58 18.9 31.6 47.4#

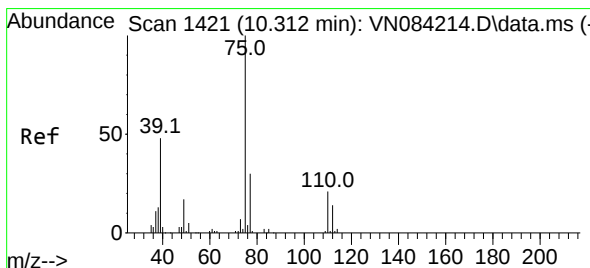
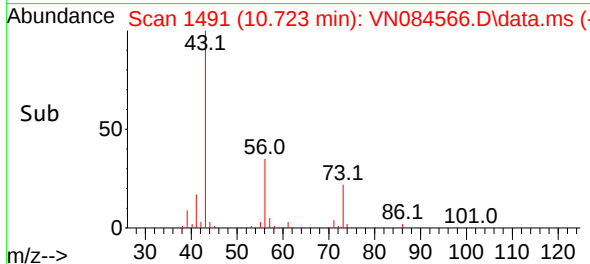
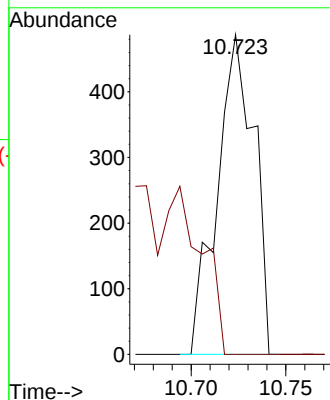
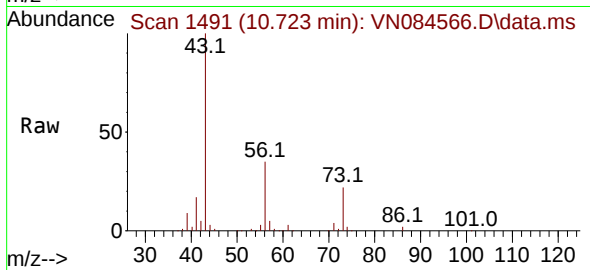




#53
t-1,3-Dichloropropene
Concen: 0.212 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

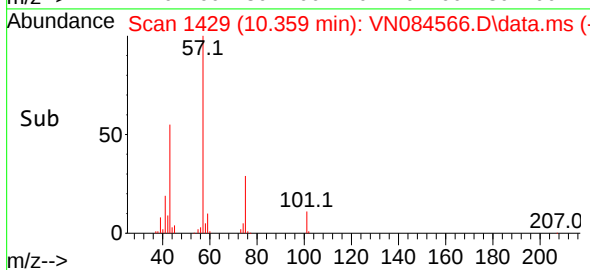
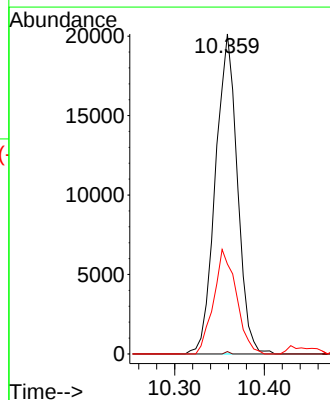
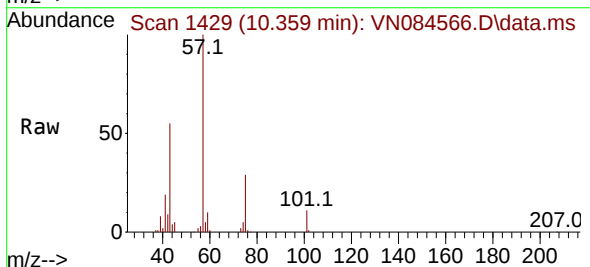
Instrument :
MSVOA_N
ClientSampleId :

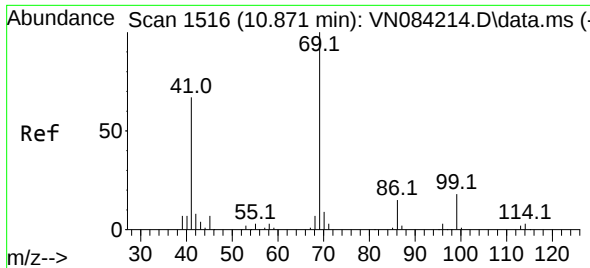
Tgt Ion: 75 Resp: 661
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 10.193 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

Tgt Ion: 75 Resp: 34150
Ion Ratio Lower Upper
75 100
77 0.8 24.2 36.2#
39 28.1 38.7 58.1#

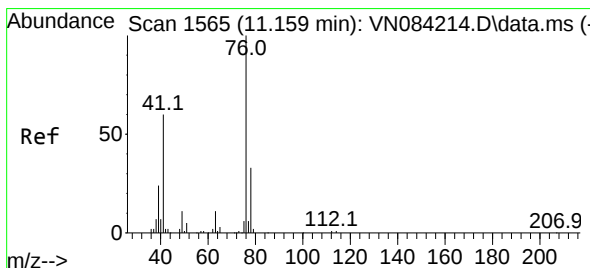
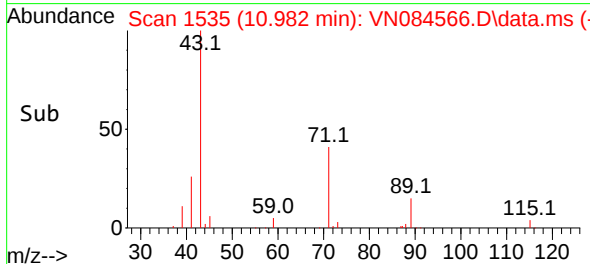
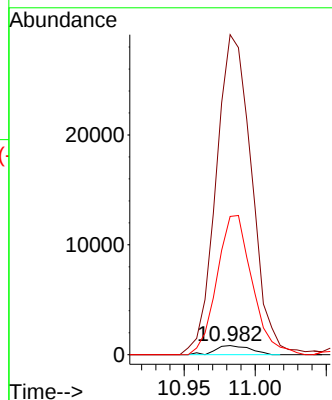
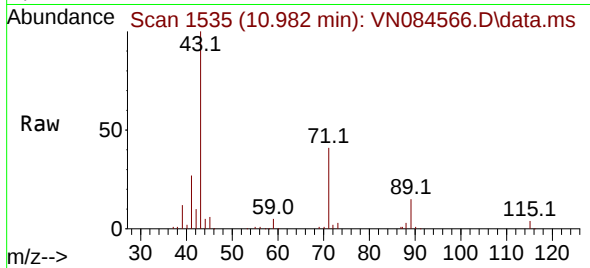




#56
Ethyl methacrylate
Concen: 0.458 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

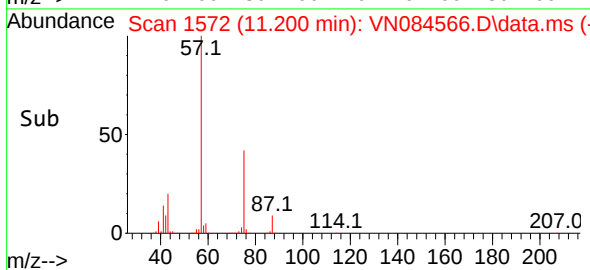
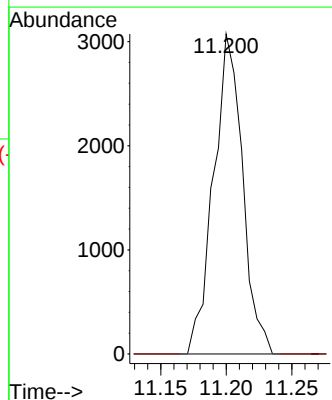
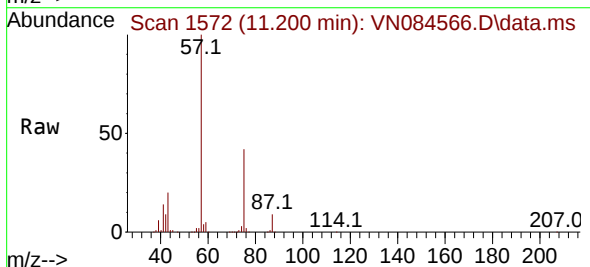
Instrument :
MSVOA_N
ClientSampleId :

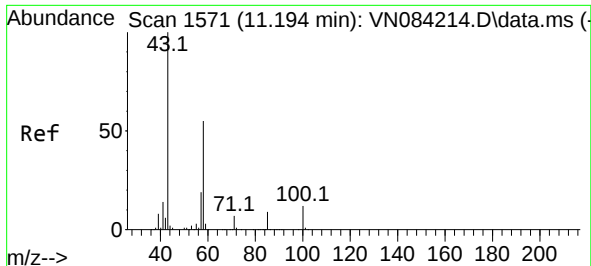
Tgt Ion: 69 Resp: 1418
Ion Ratio Lower Upper
69 100
41 3579.8 53.3 79.9#
39 1540.6 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.403 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

Tgt Ion: 76 Resp: 4722
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

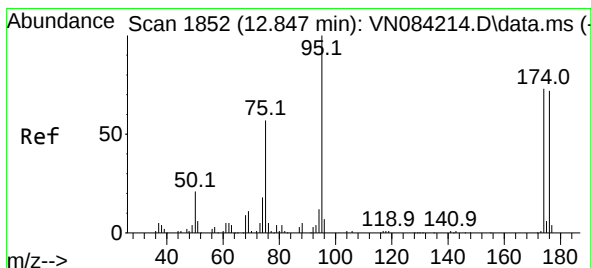
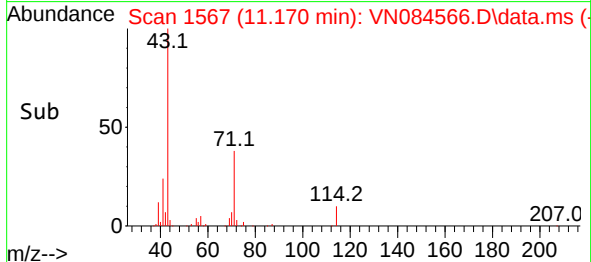
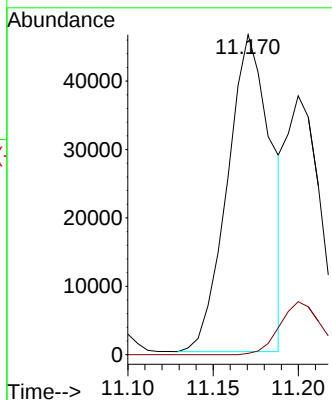
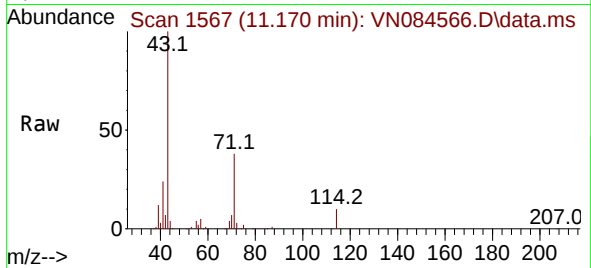




#59
2-Hexanone
Concen: 41.117 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

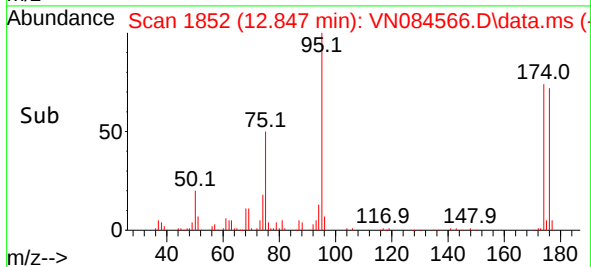
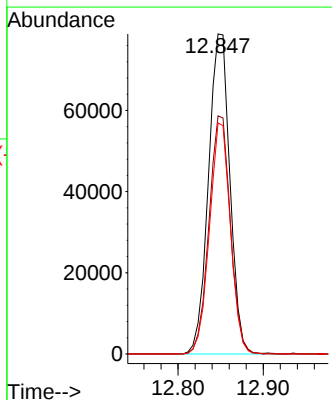
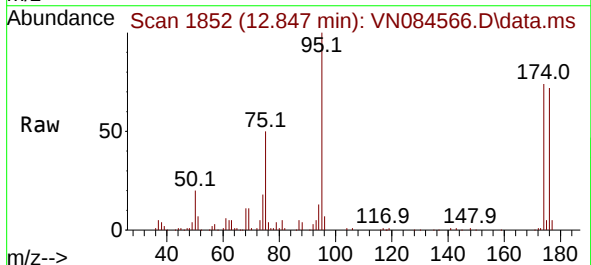
Instrument :
MSVOA_N
ClientSampleId :

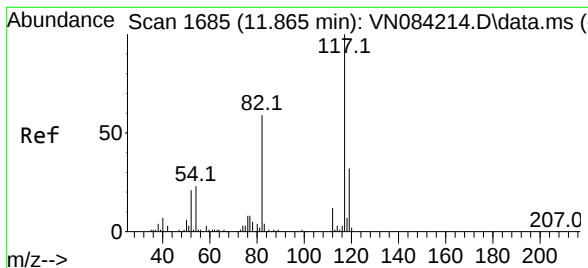
Tgt Ion: 43 Resp: 82990
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 53.992 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

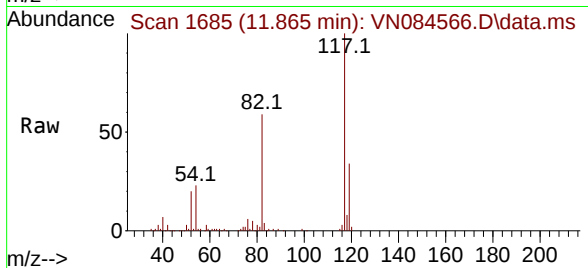
Tgt Ion: 95 Resp: 137763
Ion Ratio Lower Upper
95 100
174 74.5 0.0 145.2
176 70.3 0.0 140.0



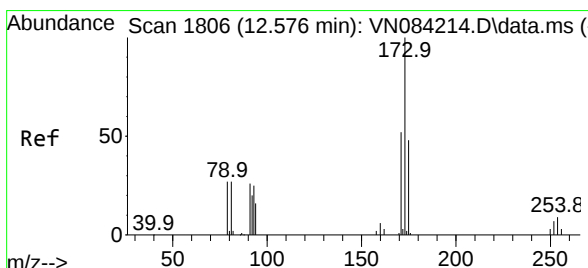
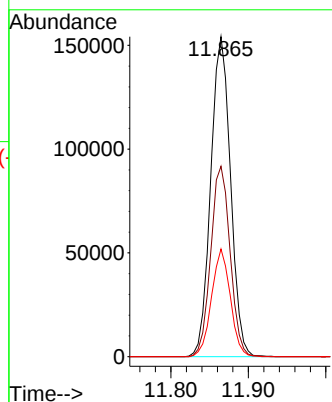
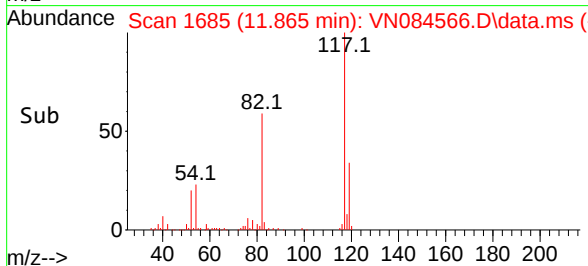


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :

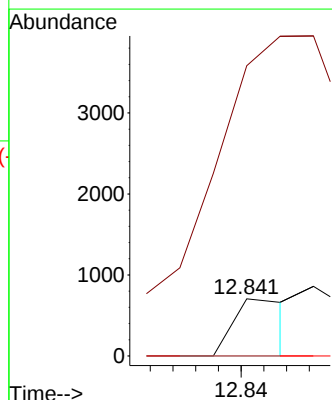
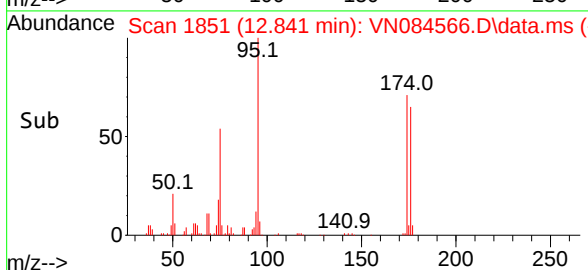
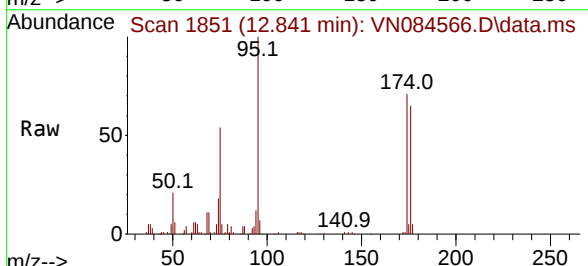


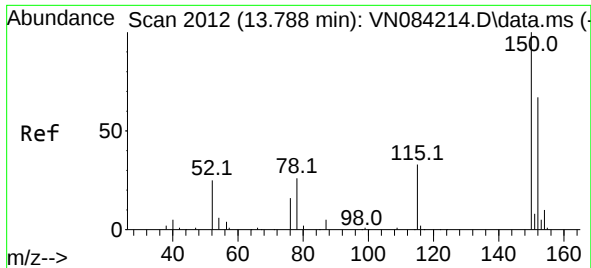
Tgt Ion:117 Resp: 273279
Ion Ratio Lower Upper
117 100
82 59.5 47.2 70.8
119 33.6 25.4 38.0



#71
Bromoform
Concen: 0.314 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084566.D
Acq: 29 Oct 2024 16:05

Tgt Ion:173 Resp: 483
Ion Ratio Lower Upper
173 100
175 0.0 23.5 70.6#
254 0.0 0.0 0.0

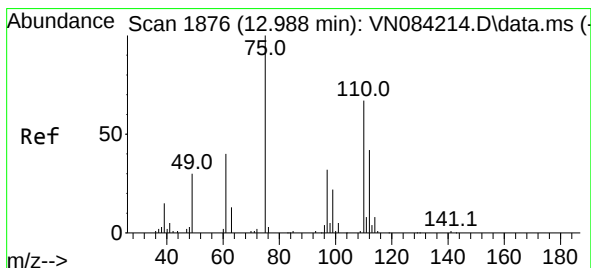
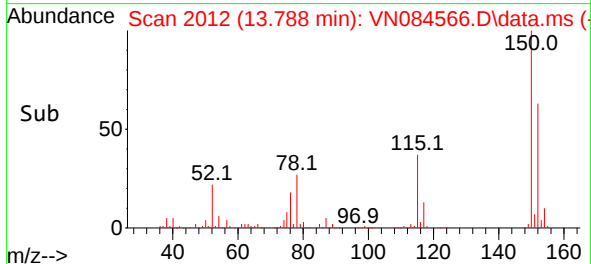
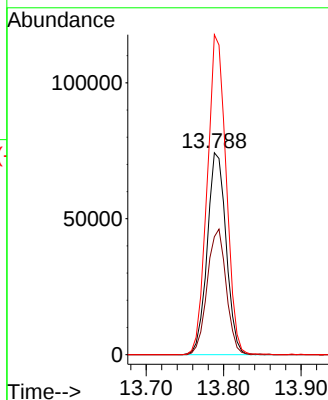
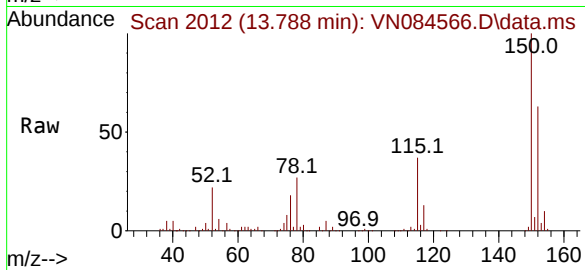




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN084566.D
 Acq: 29 Oct 2024 16:05

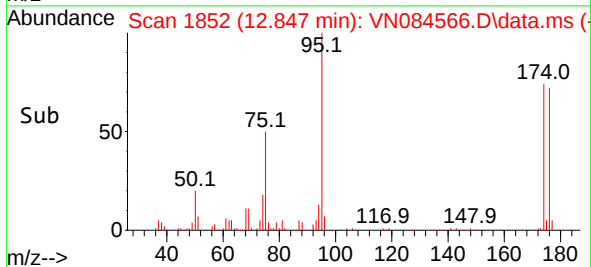
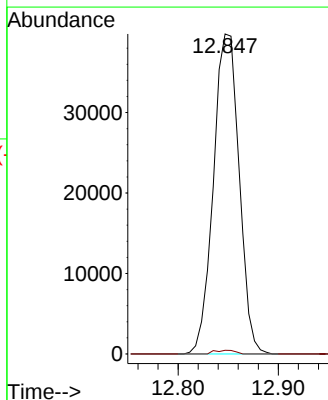
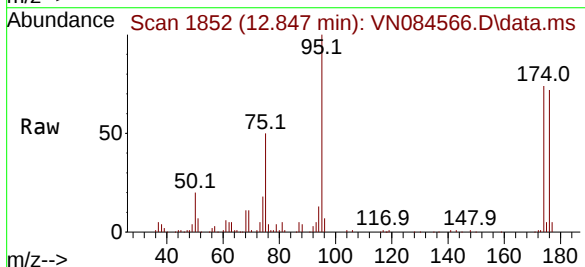
Instrument :
 MSVOA_N
 ClientSampleId :

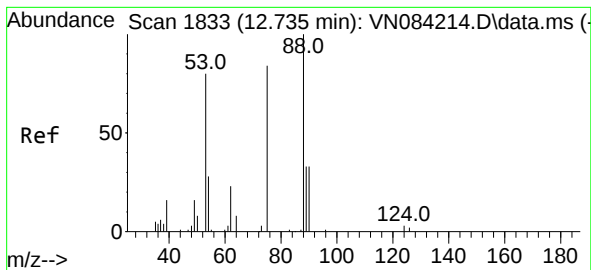
Tgt Ion:152 Resp: 126082
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.3 93.9
 150 158.4 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 27.553 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084566.D
 Acq: 29 Oct 2024 16:05

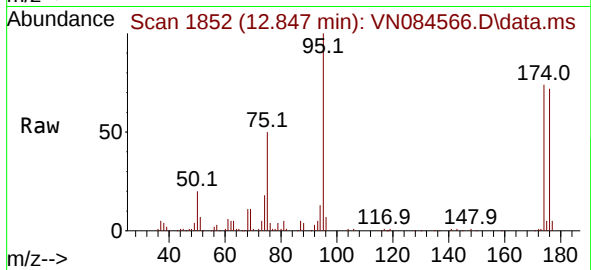
Tgt Ion: 75 Resp: 70922
 Ion Ratio Lower Upper
 75 100
 77 0.9 96.9 290.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.058 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084566.D
 Acq: 29 Oct 2024 16:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 70922
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#

