

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
 Data File : VN084781.D
 Acq On : 11 Nov 2024 18:54
 Operator : JC\MD
 Sample : P4792-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:37:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

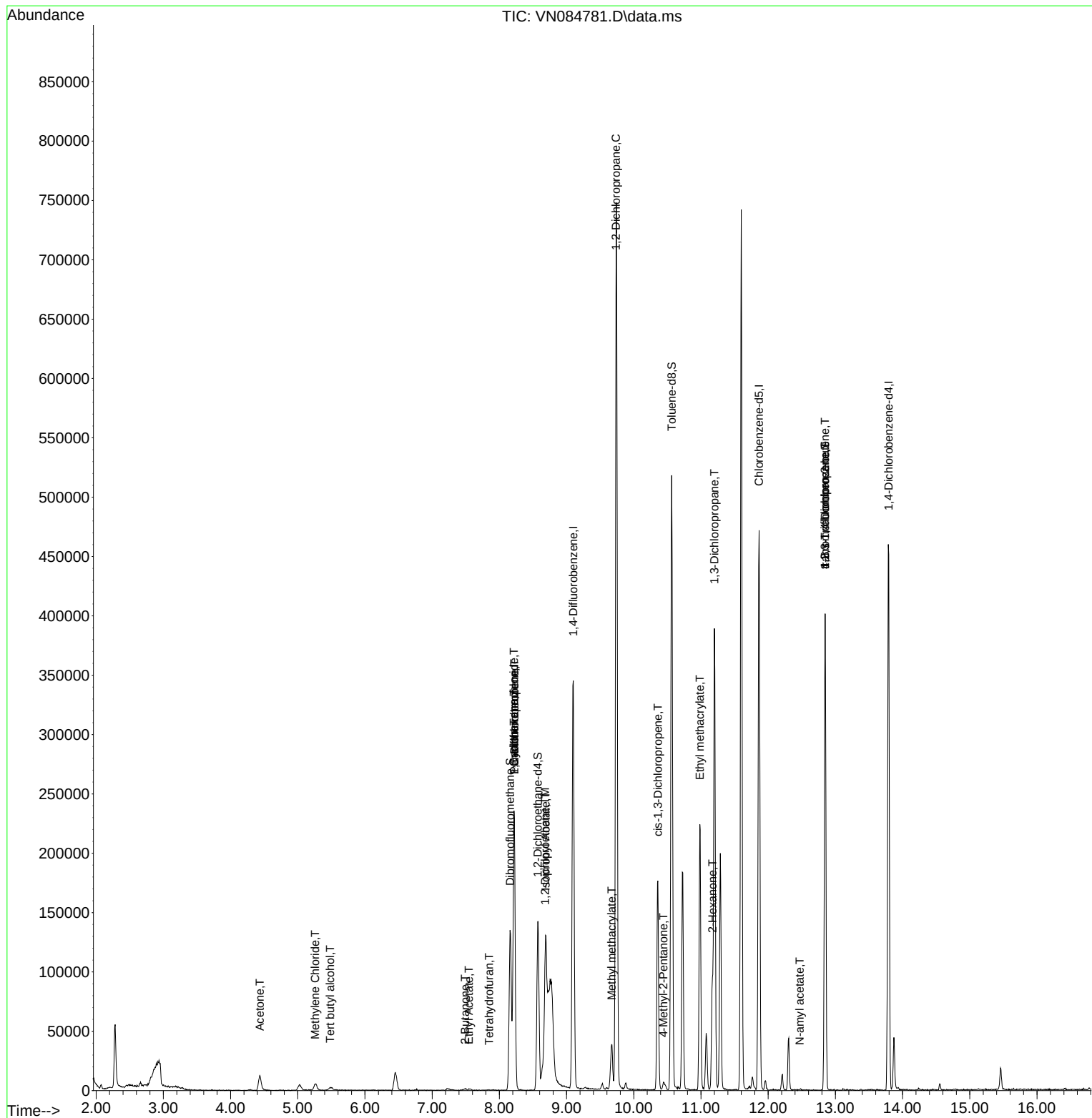
Internal Standards						
1) Pentafluorobenzene	8.224	168	169665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	120720	49.263	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.520%		
35) Dibromofluoromethane	8.159	113	98602	48.172	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.340%		
50) Toluene-d8	10.565	98	361128	47.895	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.800%		
62) 4-Bromofluorobenzene	12.847	95	137570	48.819	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.640%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	525	Below Cal	#	41
6) Chloroethane	3.106	64	155	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	1833	5.667	ug/l #	73
16) Acetone	4.436	43	23989	31.395	ug/l	99
18) Methyl Acetate	5.024	43	9839	Below Cal		94
20) Methylene Chloride	5.259	84	4656	2.160	ug/l #	87
25) 2-Butanone	7.488	43	2563	2.242	ug/l	93
29) Tetrahydrofuran	7.847	42	433	0.571	ug/l #	34
31) Cyclohexane	8.218	56	3687	1.090	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	13828	4.871	ug/l #	50
37) Ethyl Acetate	7.547	43	911	0.354	ug/l #	77
38) Carbon Tetrachloride	8.218	117	18800	5.925	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	817	0.277	ug/l #	75
43) Isopropyl Acetate	8.688	43	207922	43.574	ug/l #	73
45) 1,2-Dichloropropane	9.735	63	796	0.372	ug/l #	44
48) Methyl methacrylate	9.671	41	2805	1.399	ug/l #	37
51) 4-Methyl-2-Pentanone	10.441	43	6789	2.765	ug/l #	83
54) cis-1,3-Dichloropropene	10.359	75	32683	9.378	ug/l #	59
56) Ethyl methacrylate	10.982	69	1176	0.405	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4002	1.161	ug/l #	42
59) 2-Hexanone	11.171	43	75257	42.110	ug/l #	24
74) N-amyl acetate	12.470	43	812	0.219	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	70061	28.182	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70061	66.860	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	62	Below Cal	#	24

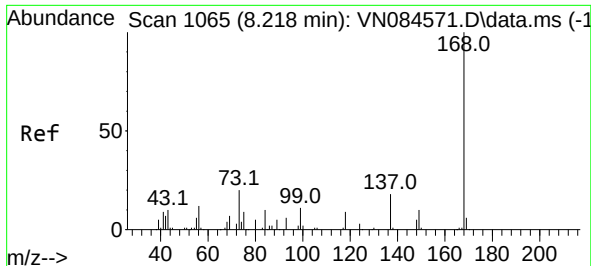
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

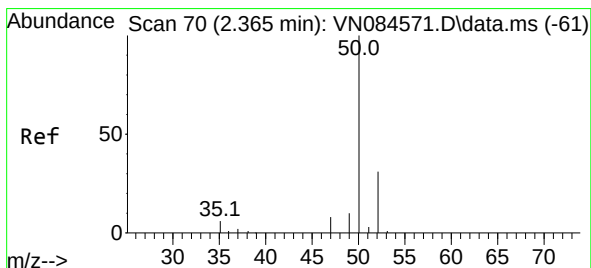
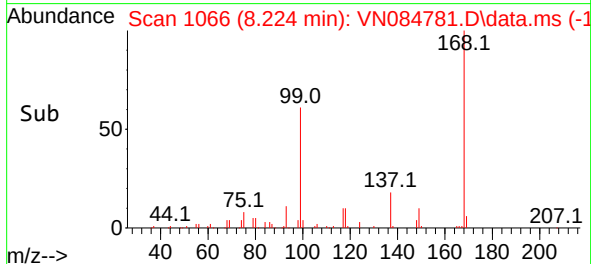
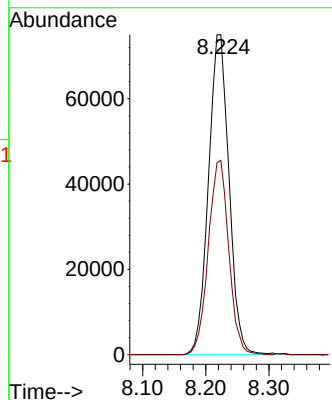
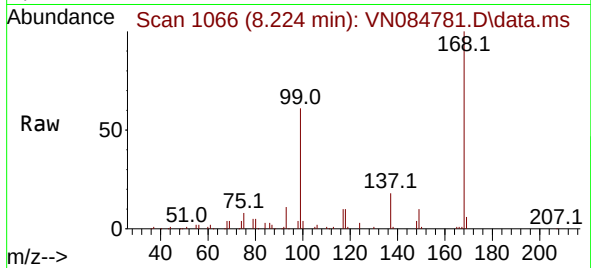




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

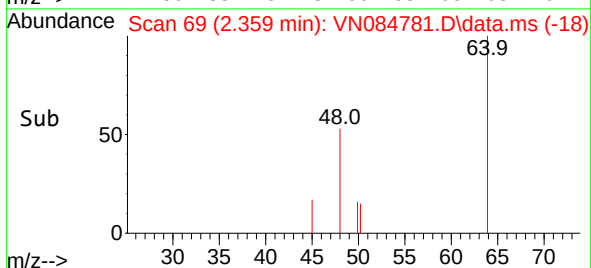
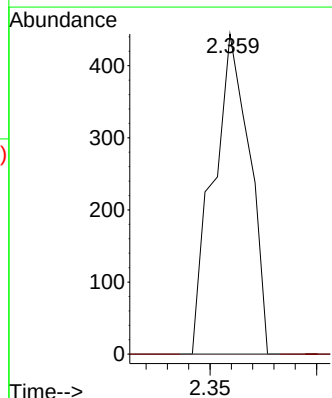
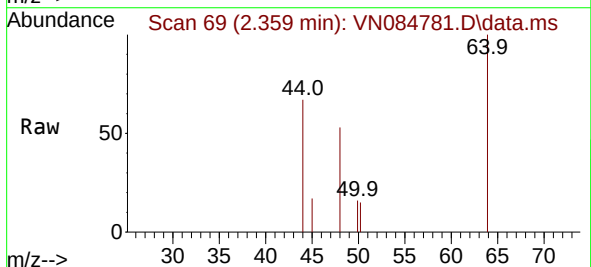
Instrument :
MSVOA_N
ClientSampleId :

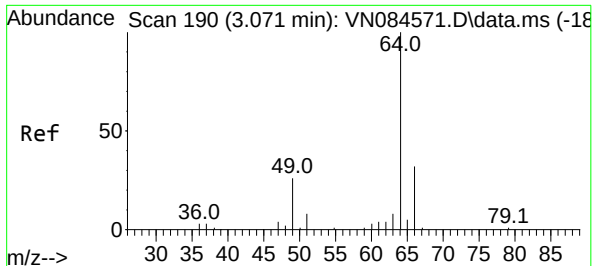
Tgt Ion:168 Resp: 169665
Ion Ratio Lower Upper
168 100
99 60.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

Tgt Ion: 50 Resp: 525
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

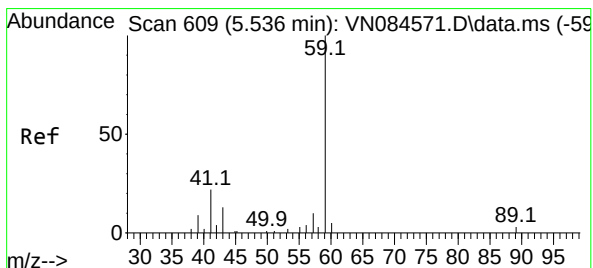
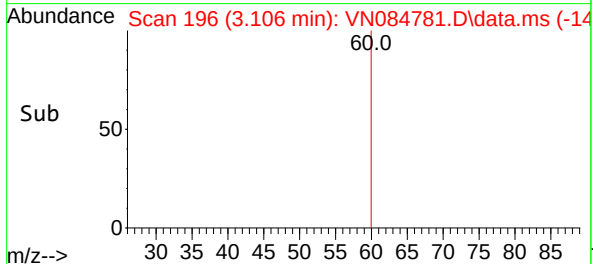
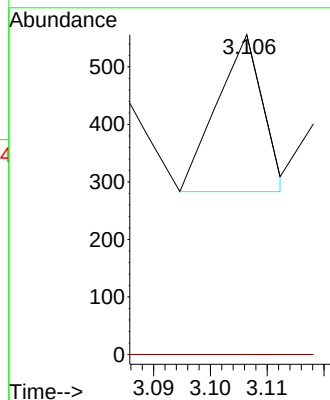
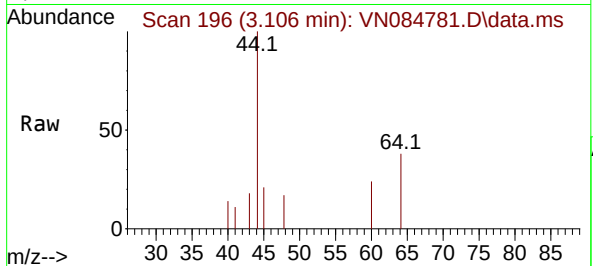




#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 190
Delta R.T. -0.012 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

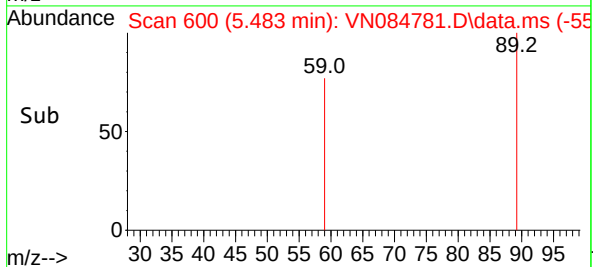
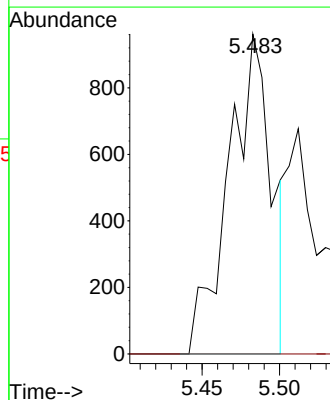
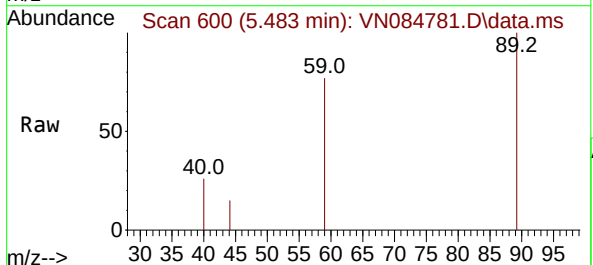
Instrument :
MSVOA_N
ClientSampleId :

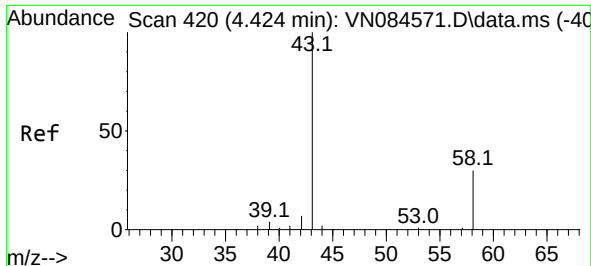
Tgt Ion: 64 Resp: 155
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 5.667 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

Tgt Ion: 59 Resp: 1833
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

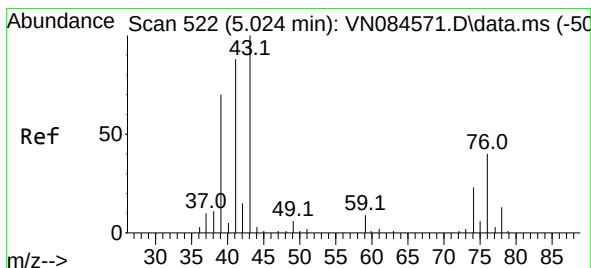
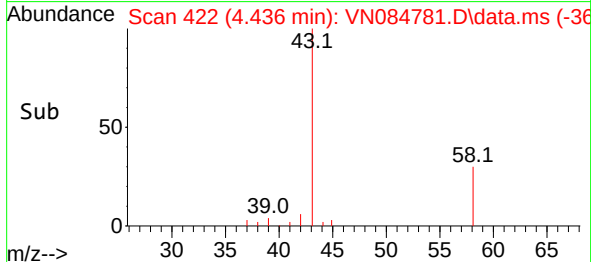
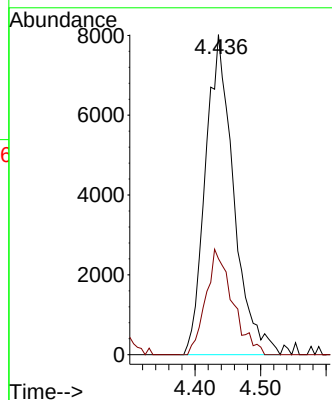
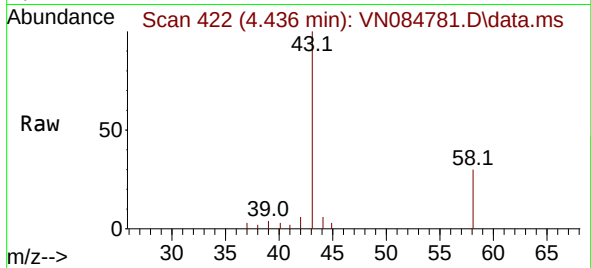




#16
Acetone
Concen: 31.395 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

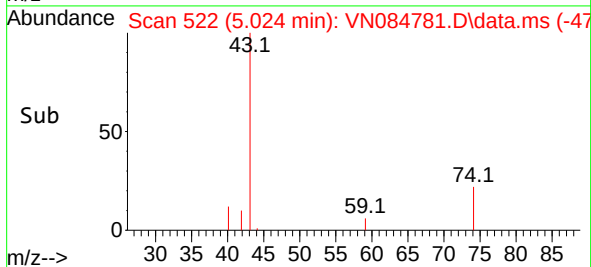
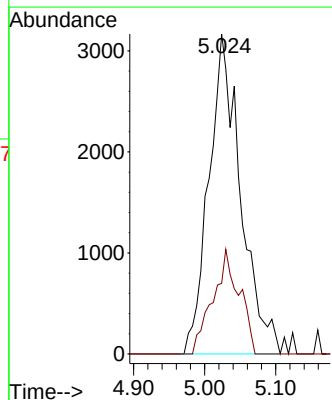
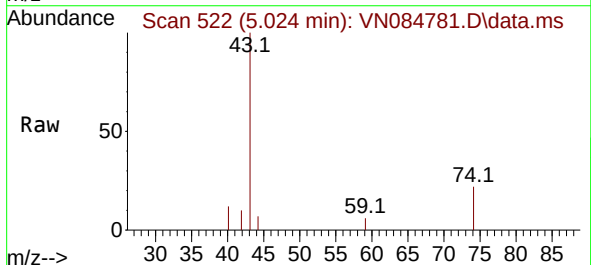
Instrument :
MSVOA_N
ClientSampleId :

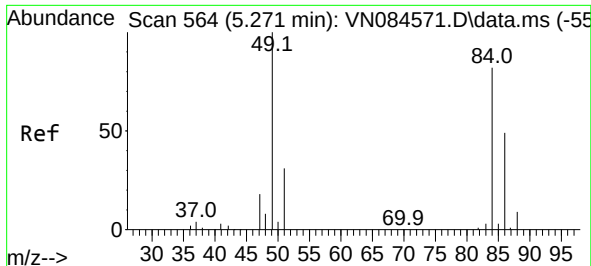
Tgt Ion: 43 Resp: 23989
Ion Ratio Lower Upper
43 100
58 30.0 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

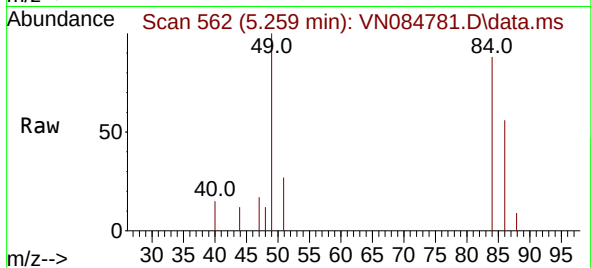
Tgt Ion: 43 Resp: 9839
Ion Ratio Lower Upper
43 100
74 27.1 19.2 28.8



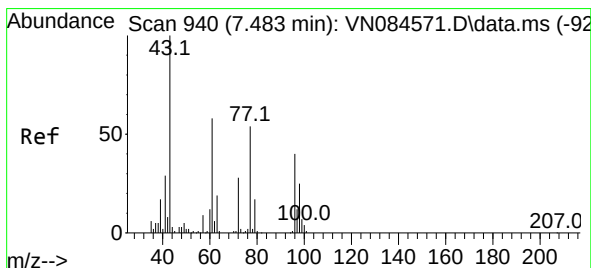
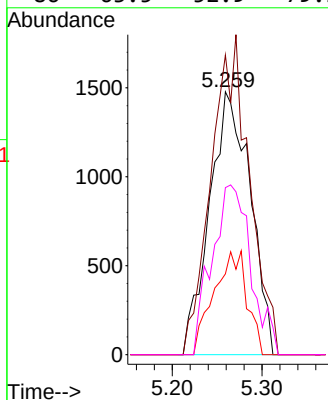
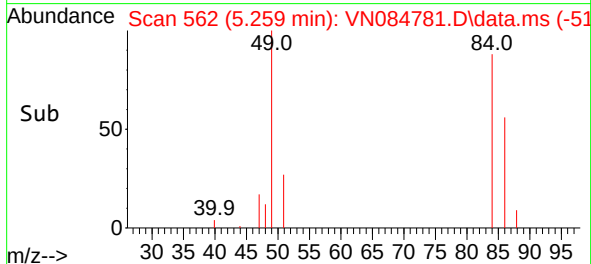


#20
Methylene Chloride
Concen: 2.160 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

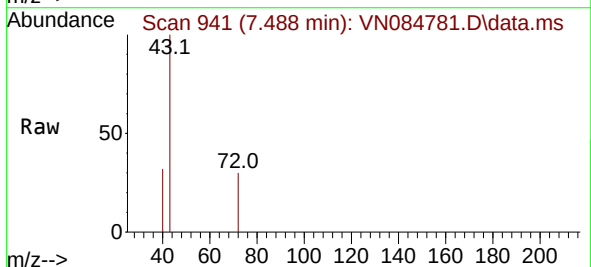
Instrument :
MSVOA_N
ClientSampleId :



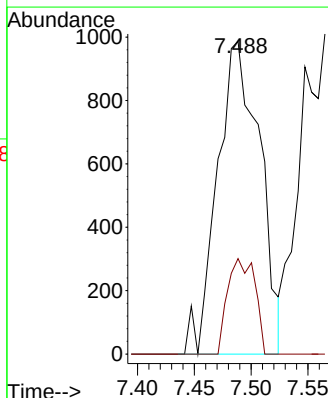
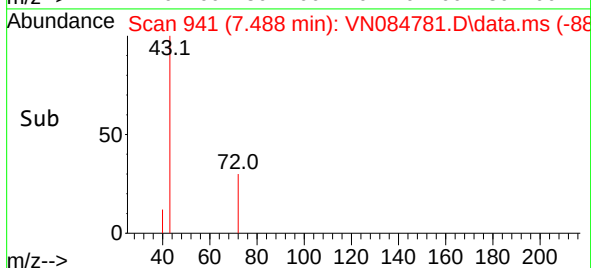
Tgt Ion: 84	Resp:	4656	
Ion	Ratio	Lower	Upper
84	100		
49	114.0	107.2	160.8
51	30.7	31.8	47.8#
86	63.5	52.9	79.3

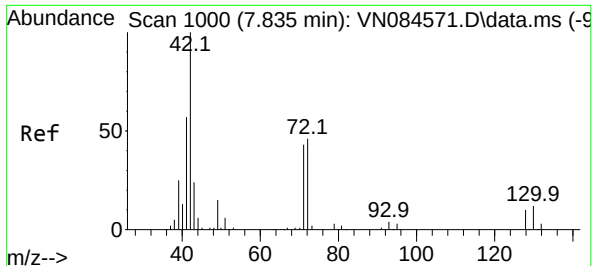


#25
2-Butanone
Concen: 2.242 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54



Tgt Ion: 43	Resp: 2563
Ion Ratio	Lower Upper
43 100	
72 30.5	21.4 32.2





#29

Tetrahydrofuran

Concen: 0.571 ug/l

RT: 7.847 min Scan# 1065

Delta R.T. 0.012 min

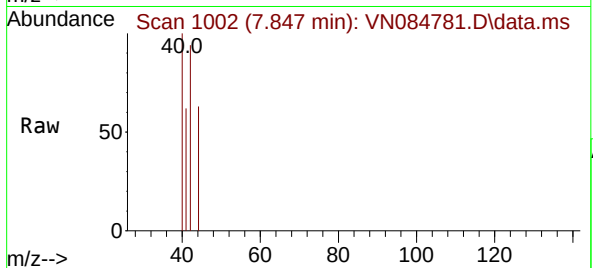
Lab File: VN084781.D

Acq: 11 Nov 2024 18:54

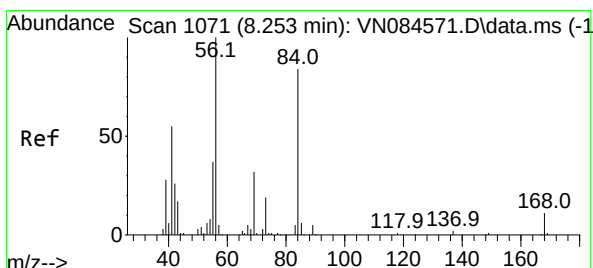
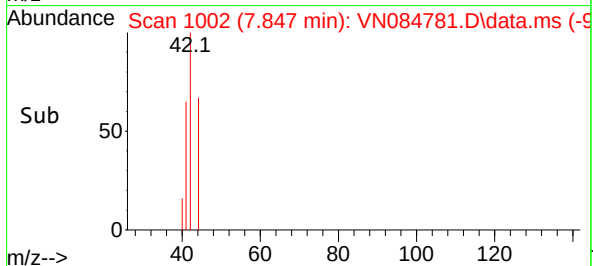
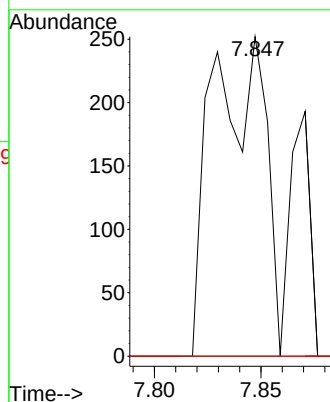
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	433
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.090 ug/l

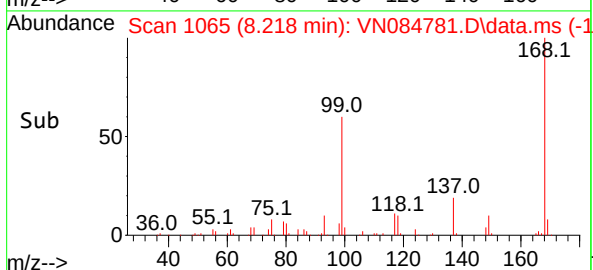
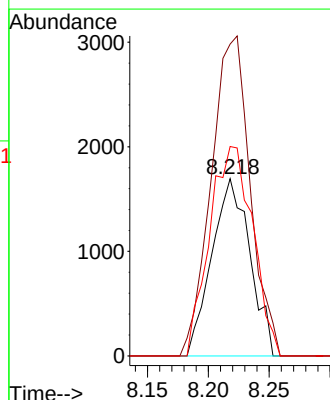
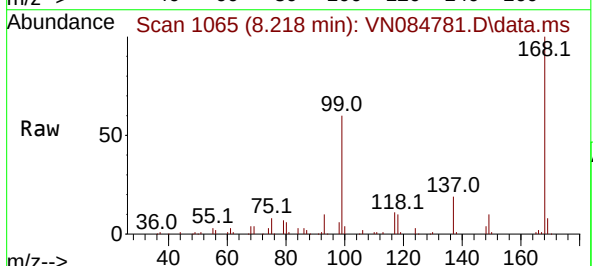
RT: 8.218 min Scan# 1065

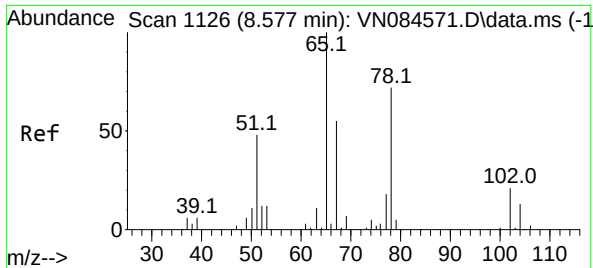
Delta R.T. -0.035 min

Lab File: VN084781.D

Acq: 11 Nov 2024 18:54

Tgt Ion:	56	Resp:	3687
Ion	Ratio	Lower	Upper
56	100		
69	175.9	23.8	35.6#
84	118.2	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.263 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN084781.D

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Instrument :

MSVOA_N

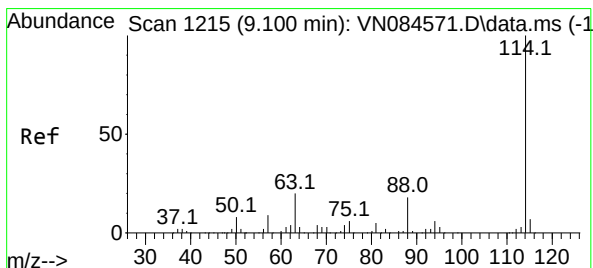
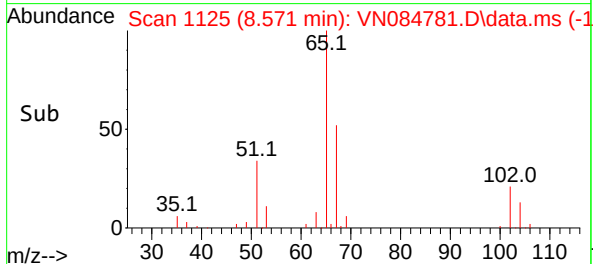
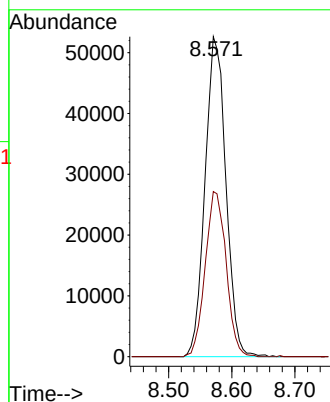
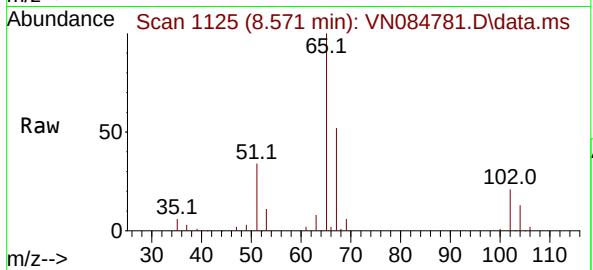
ClientSampleId :

Tgt Ion: 65 Resp: 120720

Ion Ratio Lower Upper

65 100

67 51.6 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: VN084781.D

Acq: 11 Nov 2024 18:54

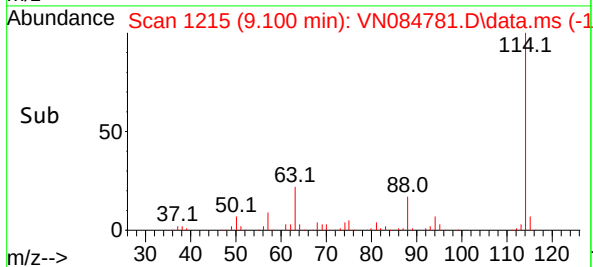
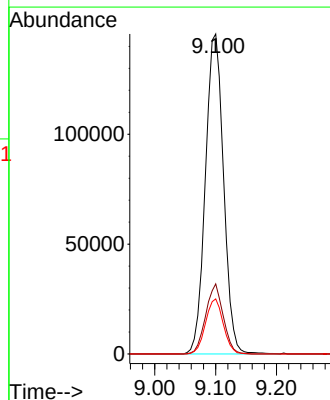
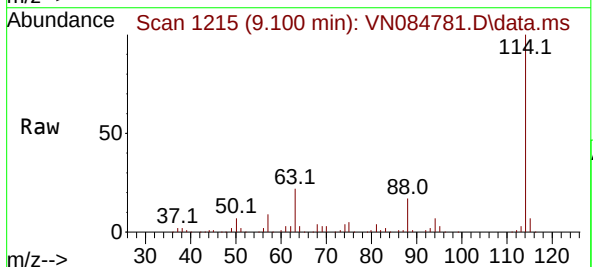
Tgt Ion: 114 Resp: 302397

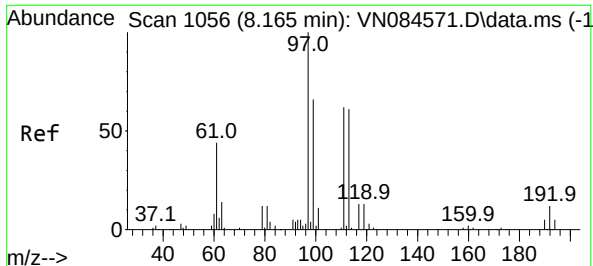
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

88 17.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.172 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

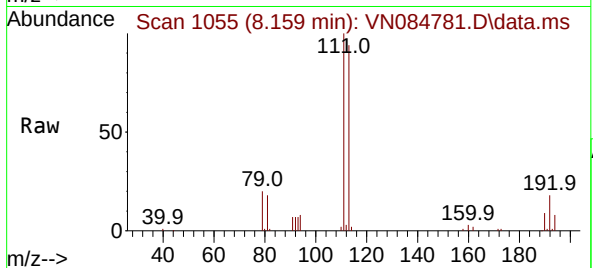
Lab File: VN084781.D

Acq: 11 Nov 2024 18:54

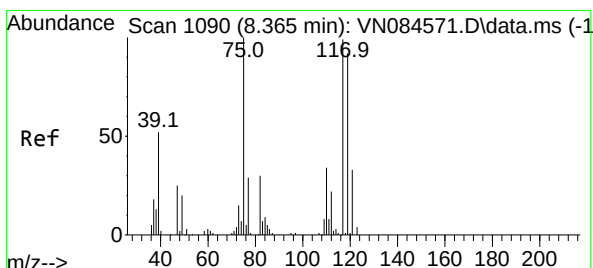
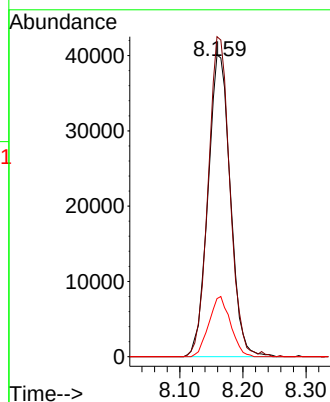
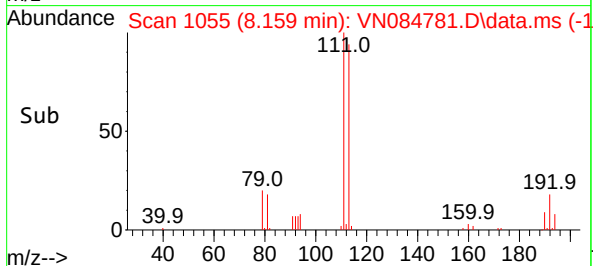
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	113	Resp:	98602
Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.3	124.9
192	19.2	13.5	20.3



#36

1,1-Dichloropropene

Concen: 4.871 ug/l

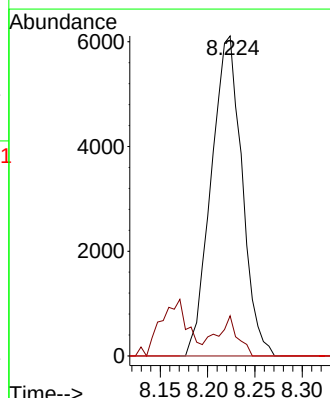
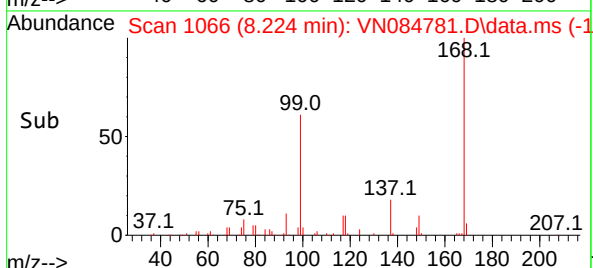
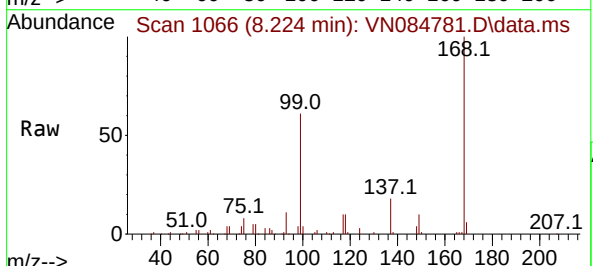
RT: 8.224 min Scan# 1066

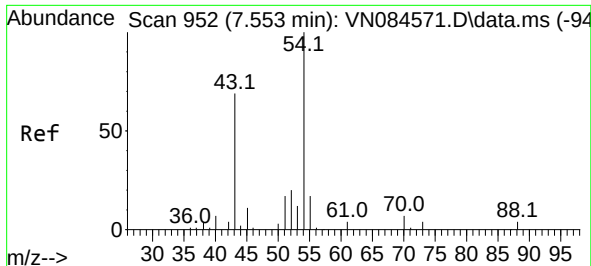
Delta R.T. -0.147 min

Lab File: VN084781.D

Acq: 11 Nov 2024 18:54

Tgt Ion:	75	Resp:	13828
Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.9	50.7#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 0.354 ug/l

RT: 7.547 min Scan# 911

Delta R.T. -0.012 min

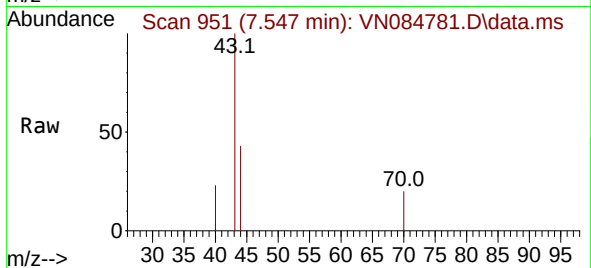
Lab File: VN084781.D

Acq: 11 Nov 2024 18:54

Instrument :

MSVOA_N

ClientSampleId :



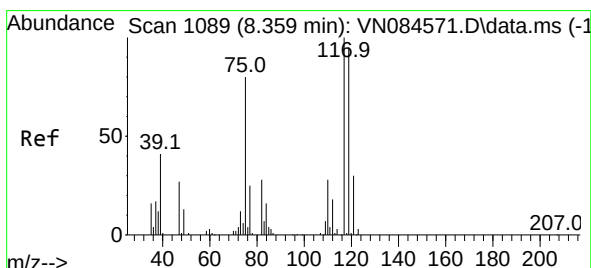
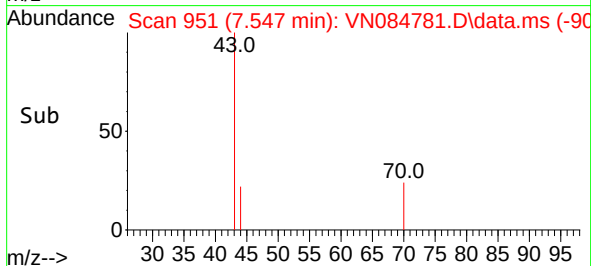
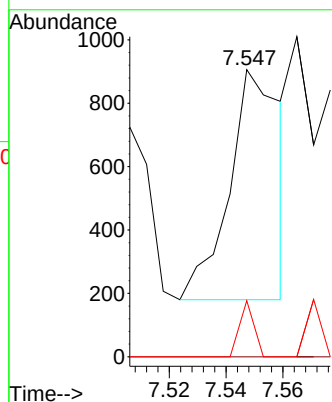
Tgt Ion: 43 Resp: 911

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 6.8 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.925 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084781.D

Acq: 11 Nov 2024 18:54

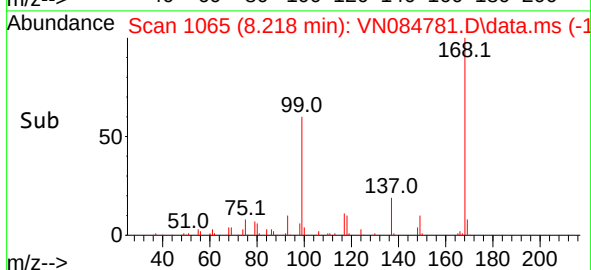
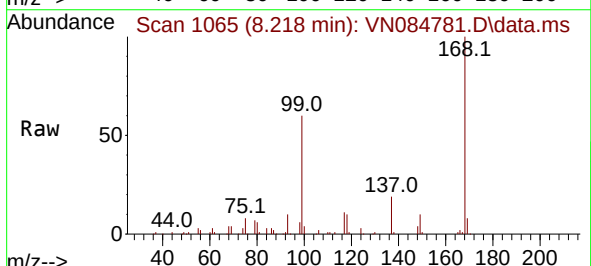
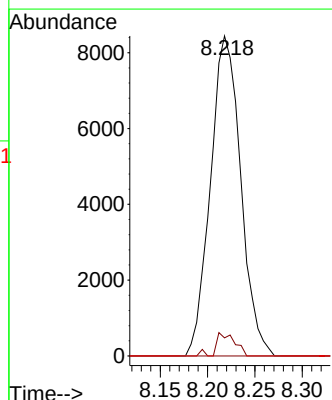
Tgt Ion: 117 Resp: 18800

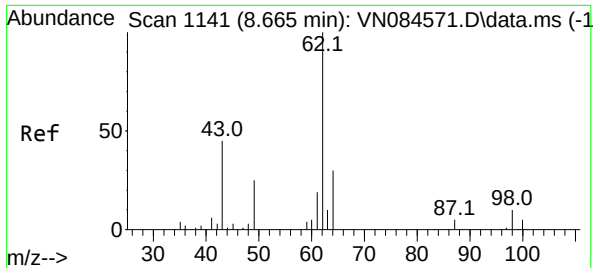
Ion Ratio Lower Upper

117 100

119 5.7 78.7 118.1#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.277 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.011 min

Lab File: VN084781.D

Acq: 11 Nov 2024 18:54

Instrument :

MSVOA_N

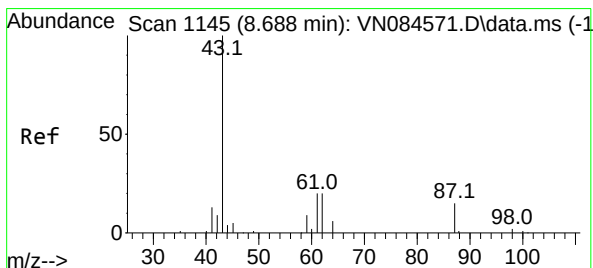
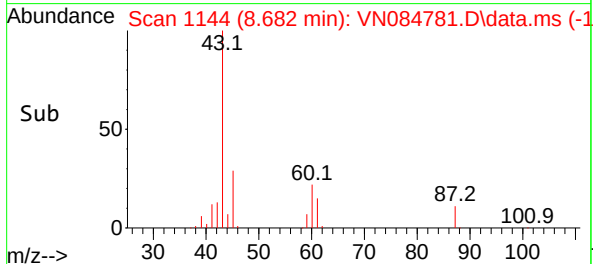
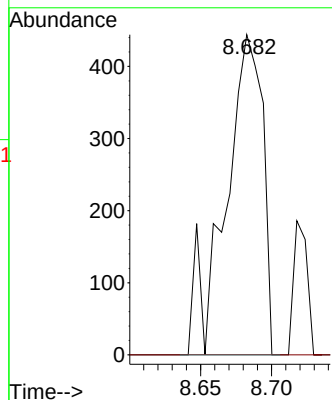
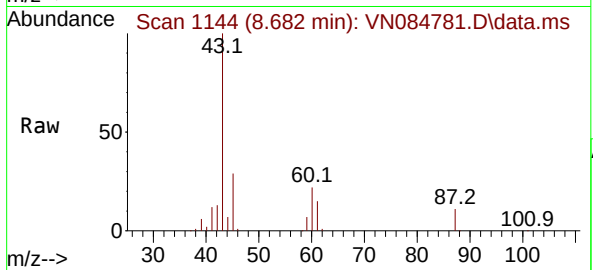
ClientSampleId :

Tgt Ion: 62 Resp: 817

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 43.574 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084781.D

Acq: 11 Nov 2024 18:54

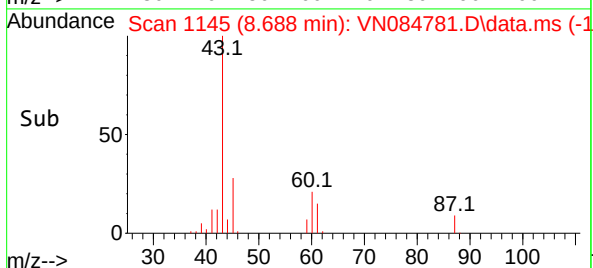
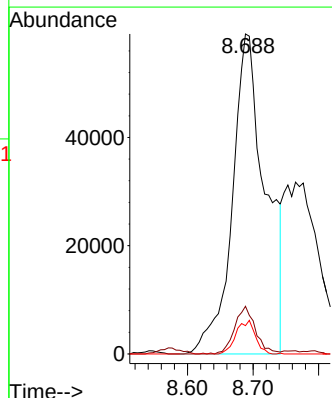
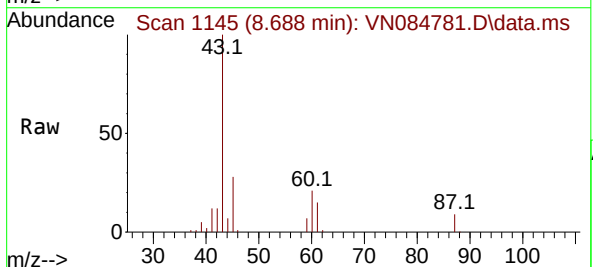
Tgt Ion: 43 Resp: 207922

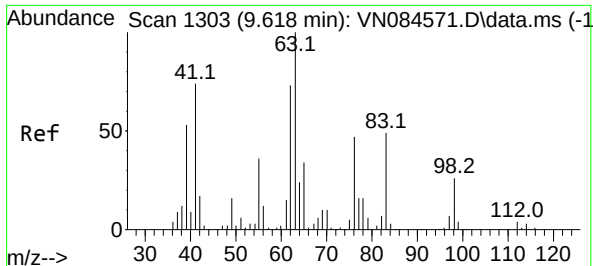
Ion Ratio Lower Upper

43 100

61 9.4 20.4 30.6#

87 6.1 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.372 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN084781.D

Acq: 11 Nov 2024 18:54

Instrument :

MSVOA_N

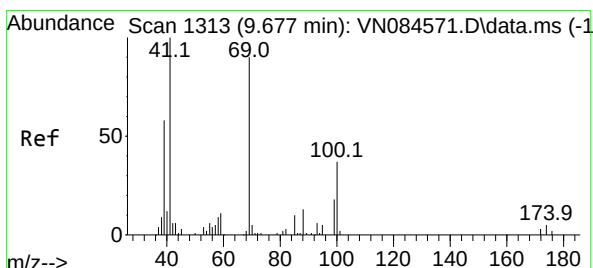
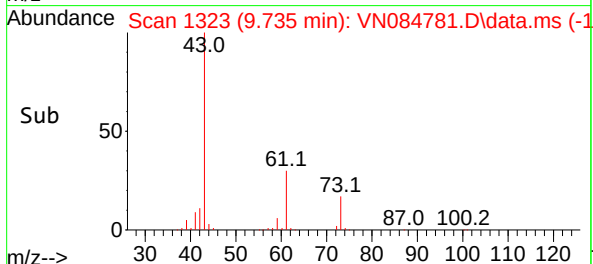
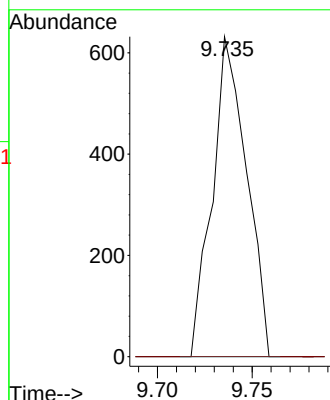
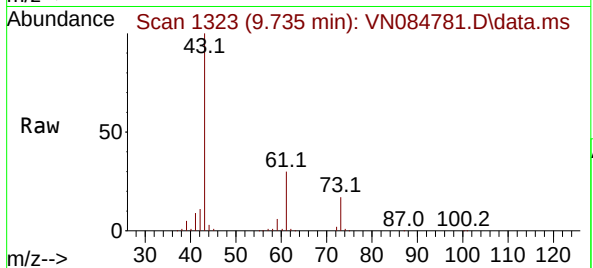
ClientSampleId :

Tgt Ion: 63 Resp: 796

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.399 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN084781.D

Acq: 11 Nov 2024 18:54

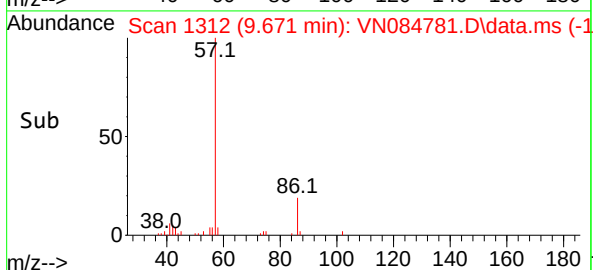
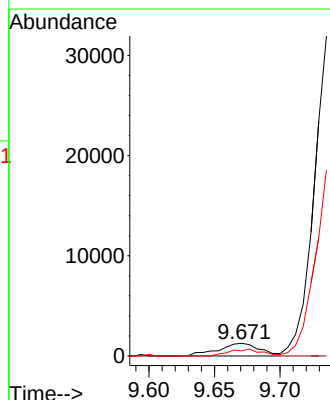
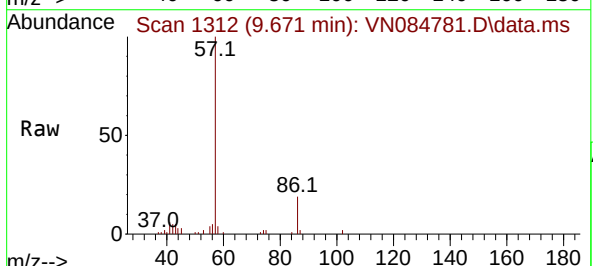
Tgt Ion: 41 Resp: 2805

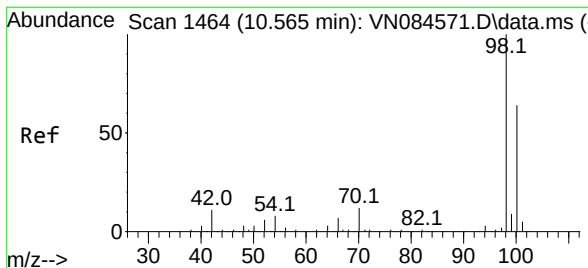
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 42.5 45.8 68.6#

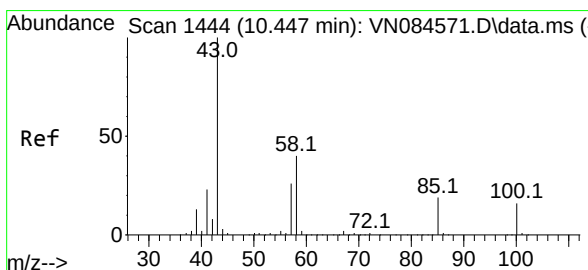
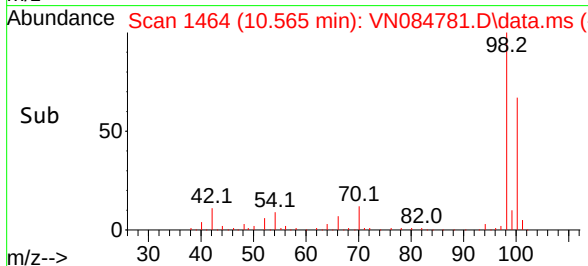
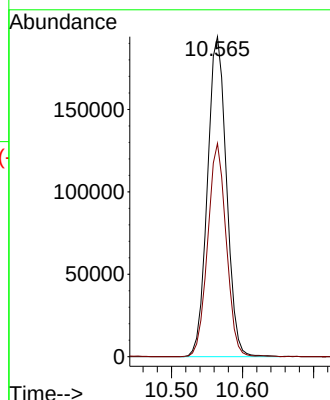
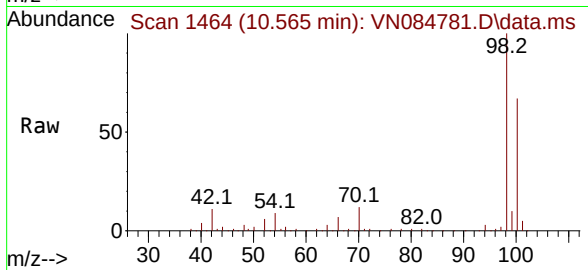




#50
Toluene-d8
Concen: 47.895 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

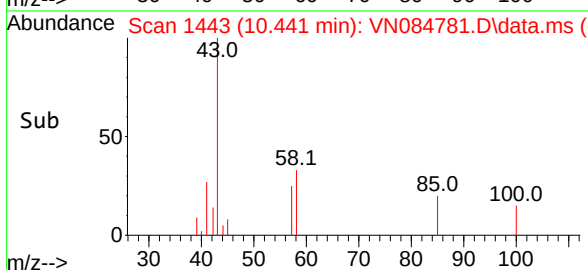
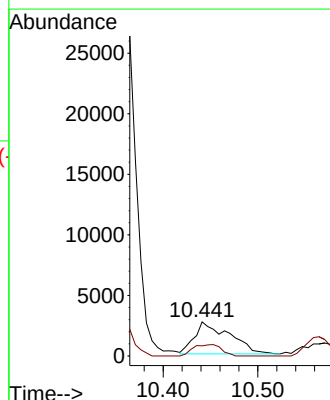
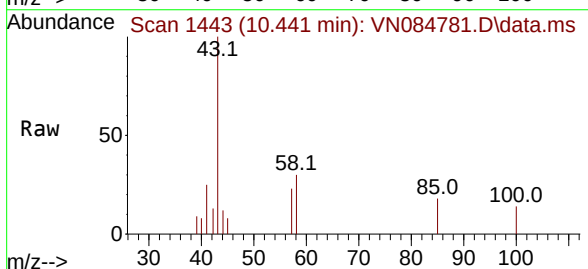
Instrument :
MSVOA_N
ClientSampleId :

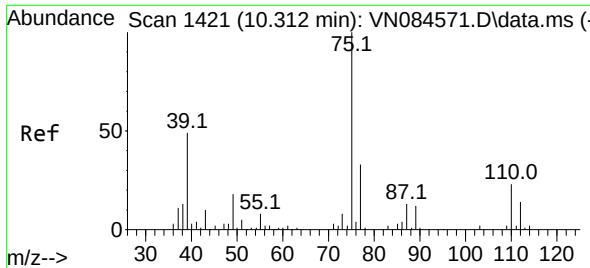
Tgt Ion: 98 Resp: 361128
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 2.765 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

Tgt Ion: 43 Resp: 6789
Ion Ratio Lower Upper
43 100
58 28.8 31.6 47.4#

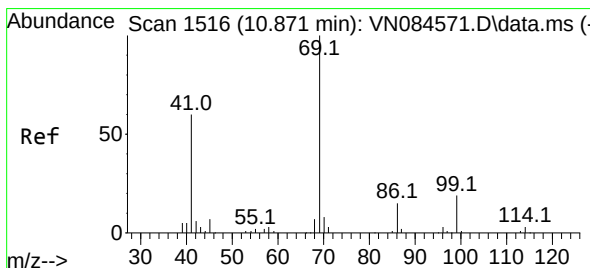
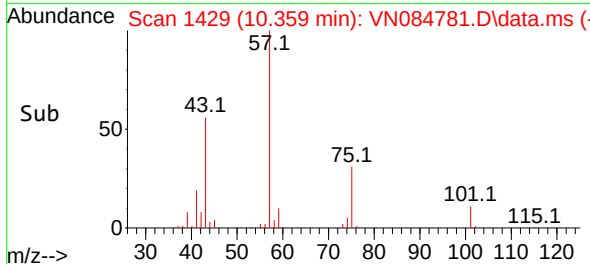
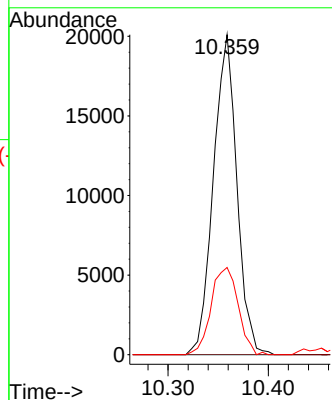
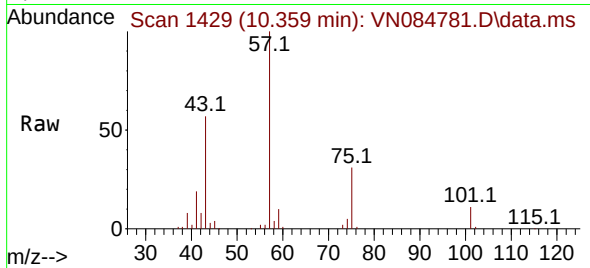




#54
 cis-1,3-Dichloropropene
 Concen: 9.378 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084781.D
 Acq: 11 Nov 2024 18:54

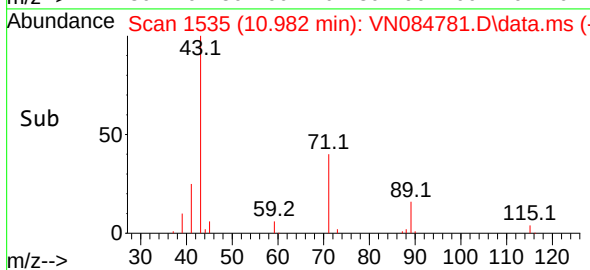
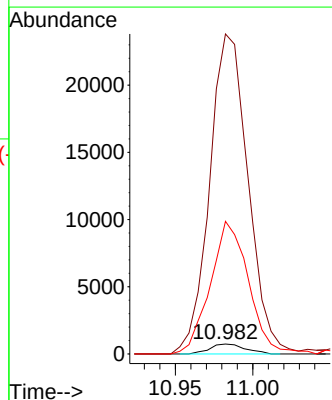
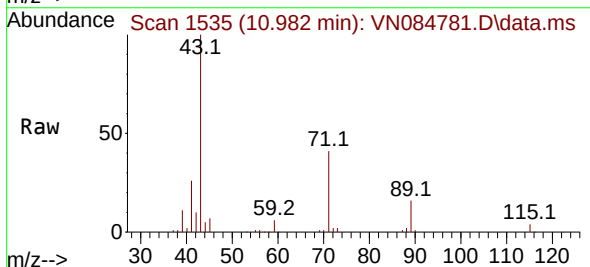
Instrument :
 MSVOA_N
 ClientSampleId :

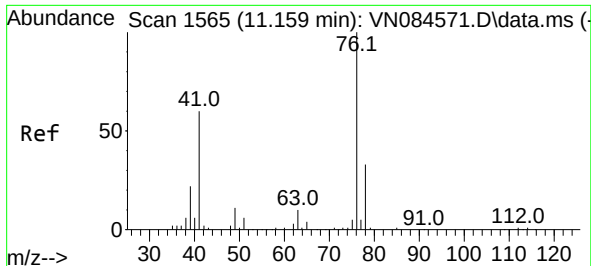
Tgt Ion: 75 Resp: 32683
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 27.3 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.405 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN084781.D
 Acq: 11 Nov 2024 18:54

Tgt Ion: 69 Resp: 1176
 Ion Ratio Lower Upper
 69 100
 41 3494.4 53.3 79.9#
 39 1442.7 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.161 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN084781.D

Acq: 11 Nov 2024 18:54

Instrument :

MSVOA_N

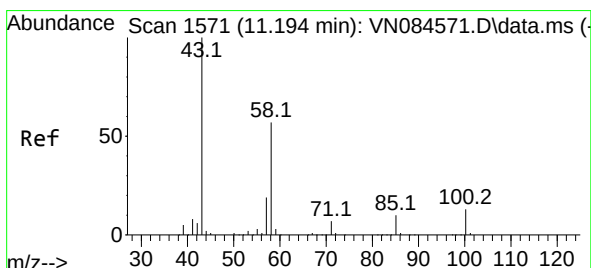
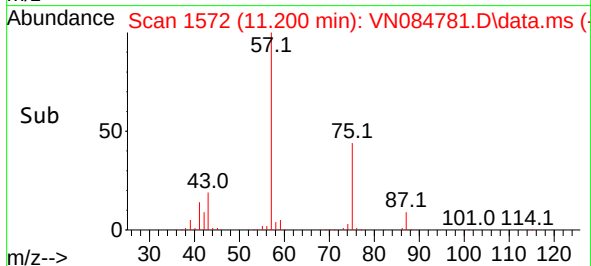
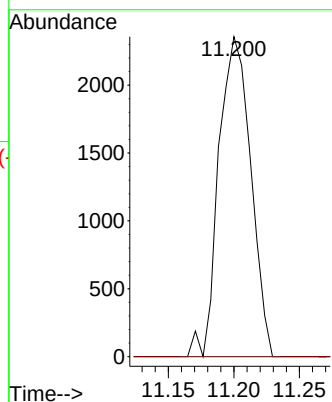
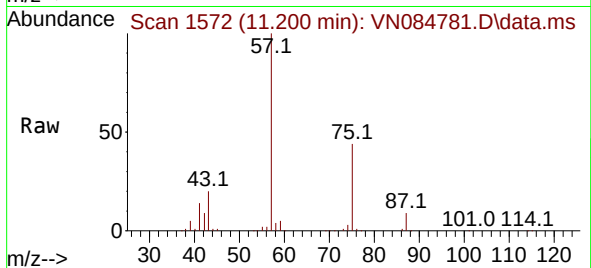
ClientSampleId :

Tgt Ion: 76 Resp: 4002

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 42.110 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084781.D

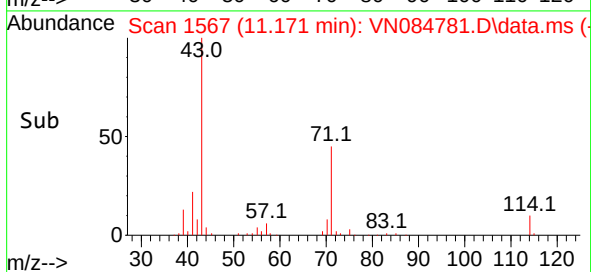
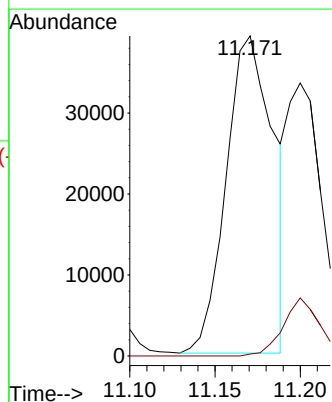
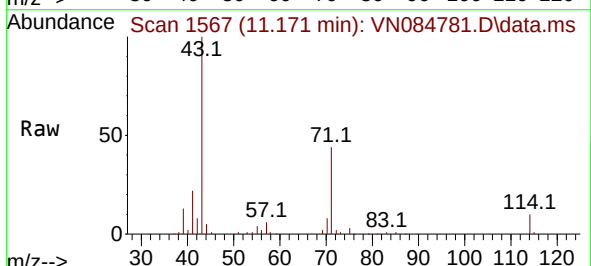
Acq: 11 Nov 2024 18:54

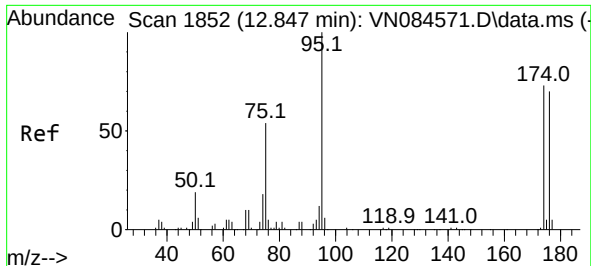
Tgt Ion: 43 Resp: 75257

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

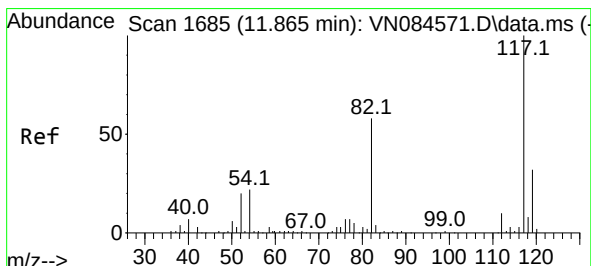
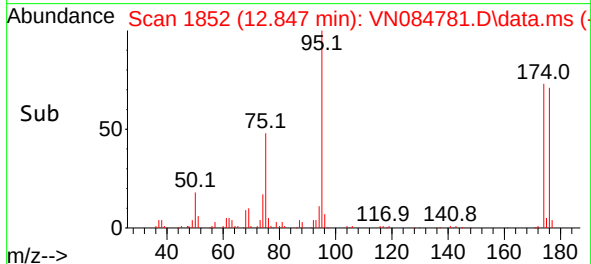
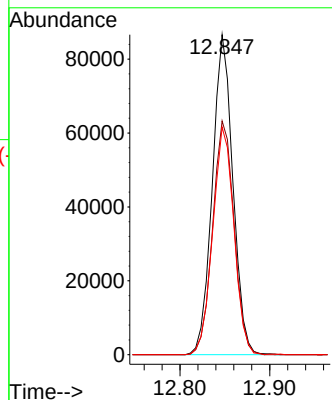
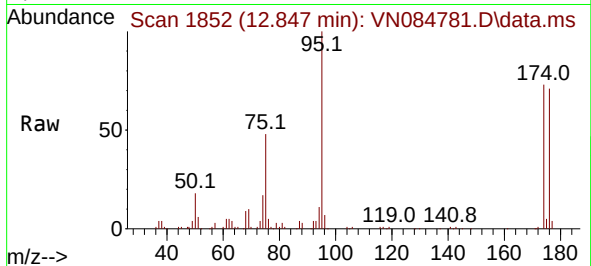




#62
4-Bromofluorobenzene
Concen: 48.819 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

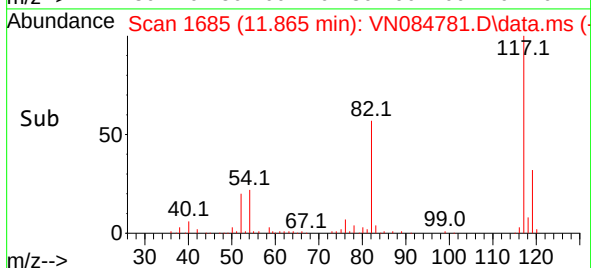
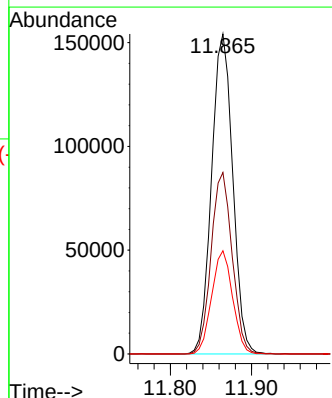
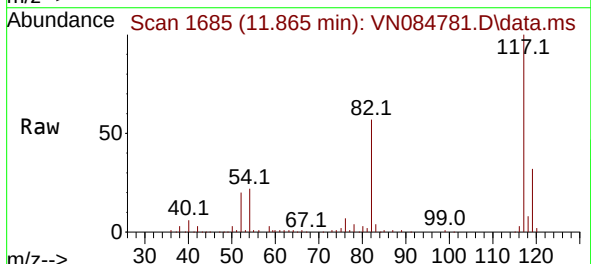
Instrument :
MSVOA_N
ClientSampleId :

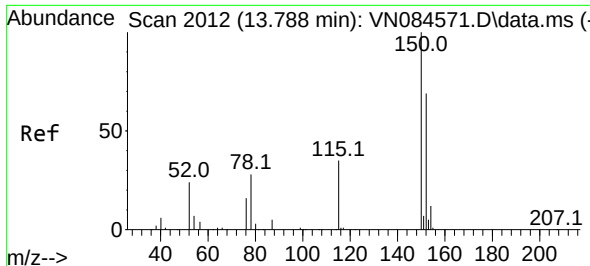
Tgt Ion: 95 Resp: 137570
Ion Ratio Lower Upper
95 100
174 76.2 0.0 145.2
176 73.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

Tgt Ion: 117 Resp: 278924
Ion Ratio Lower Upper
117 100
82 56.7 47.2 70.8
119 32.3 25.4 38.0

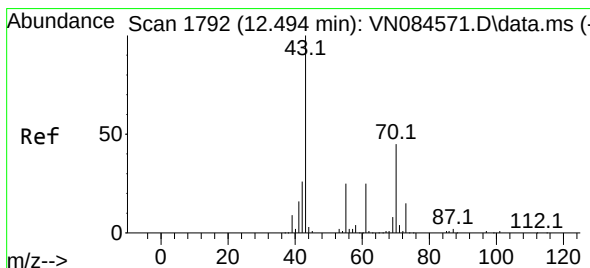
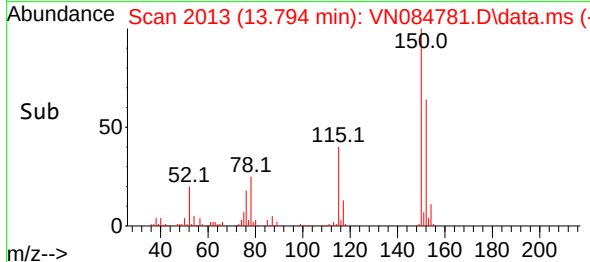
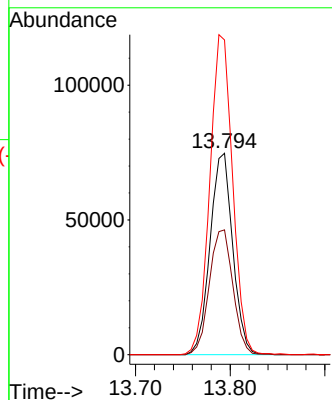
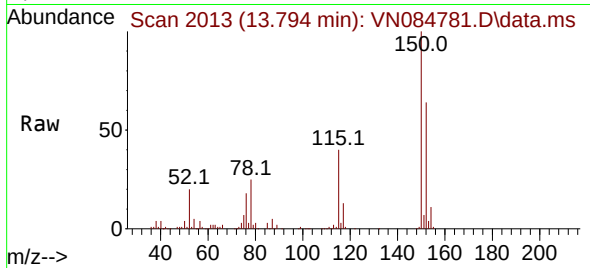




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

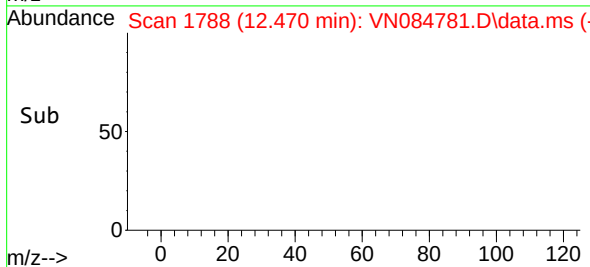
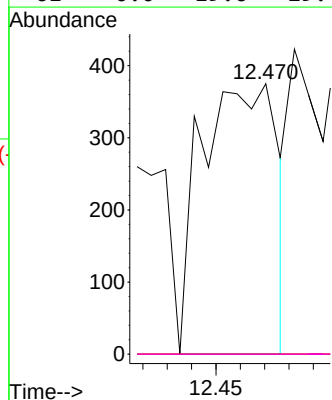
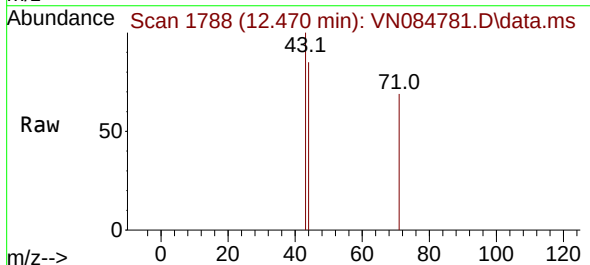
Instrument :
MSVOA_N
ClientSampleId :

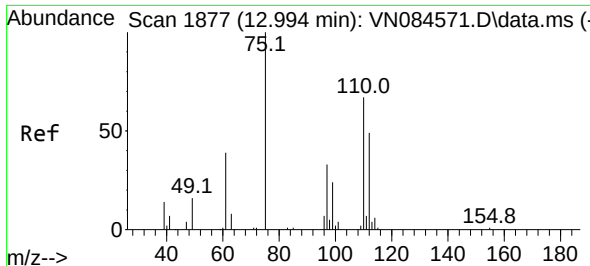
Tgt Ion:152 Resp: 124364
Ion Ratio Lower Upper
152 100
115 64.3 31.3 93.9
150 159.7 0.0 349.8



#74
N-ethyl acetate
Concen: 0.219 ug/l
RT: 12.470 min Scan# 1788
Delta R.T. -0.024 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

Tgt Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 19.6 29.4#
61 0.0 19.6 29.4#

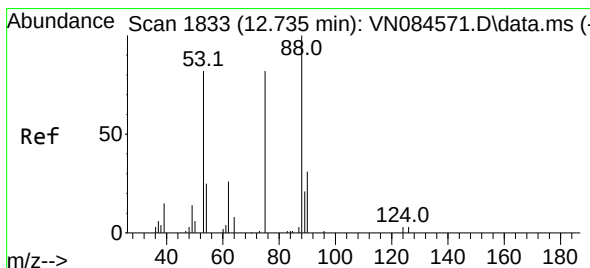
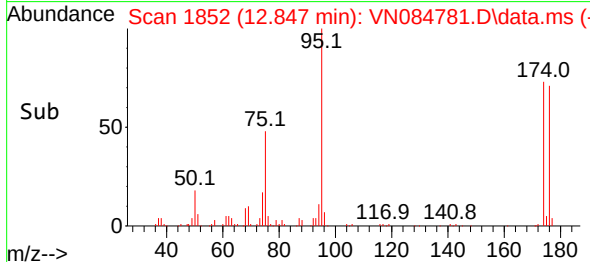
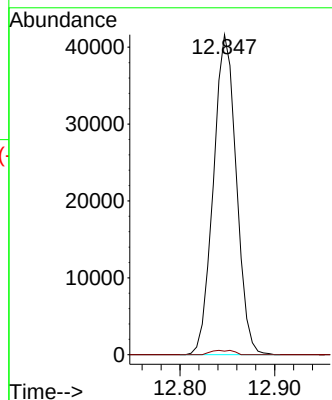
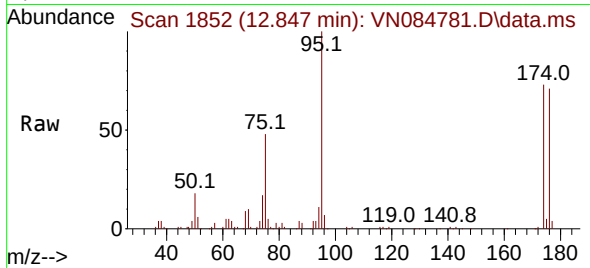




#76
1,2,3-Trichloropropane
Concen: 28.182 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

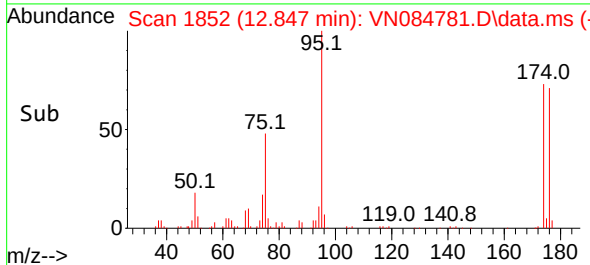
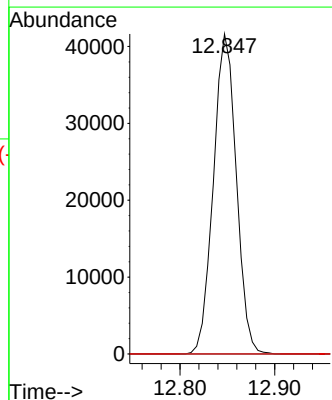
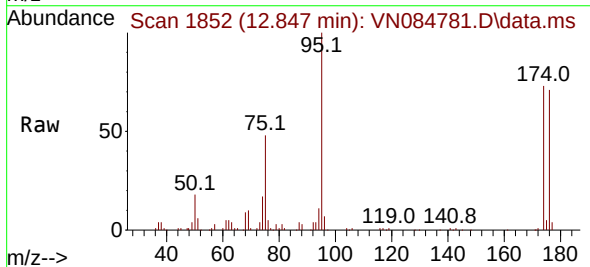
Instrument :
MSVOA_N
ClientSampleId :

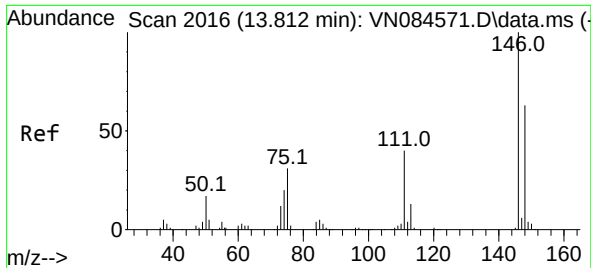
Tgt Ion: 75 Resp: 70061
Ion Ratio Lower Upper
75 100
77 1.3 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.860 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084781.D
Acq: 11 Nov 2024 18:54

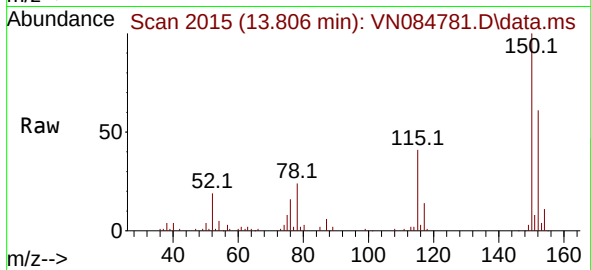
Tgt Ion: 75 Resp: 70061
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.806 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN084781.D
 Acq: 11 Nov 2024 18:54

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:146 Resp: 62
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.2 63.6#
 148 0.0 31.9 95.9#

