

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
 Data File : VN084778.D
 Acq On : 11 Nov 2024 17:42
 Operator : JC\MD
 Sample : P4771-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:35:43 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	176743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	126108	49.401	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.800%		
35) Dibromofluoromethane	8.165	113	101989	48.311	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.620%		
50) Toluene-d8	10.565	98	373448	48.022	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.040%		
62) 4-Bromofluorobenzene	12.847	95	141355	48.637	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.280%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	453	Below Cal	#	41
6) Chloroethane	3.130	64	166	Below Cal	#	45
11) Tert butyl alcohol	5.495	59	1967	5.838	ug/l #	73
16) Acetone	4.430	43	19860	24.358	ug/l	90
18) Methyl Acetate	5.030	43	8146	Below Cal	#	67
20) Methylene Chloride	5.271	84	2035	0.906	ug/l #	70
25) 2-Butanone	7.483	43	1418	1.191	ug/l #	59
31) Cyclohexane	8.218	56	3483	0.988	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14052	4.799	ug/l #	53
37) Ethyl Acetate	7.565	43	2175	0.819	ug/l #	86
38) Carbon Tetrachloride	8.218	117	19189	5.864	ug/l #	15
43) Isopropyl Acetate	8.688	43	162373	32.754	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	773	0.350	ug/l #	44
48) Methyl methacrylate	9.665	41	2696	1.304	ug/l #	42
51) 4-Methyl-2-Pentanone	10.447	43	7138	2.819	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	31870	8.867	ug/l #	63
56) Ethyl methacrylate	10.982	69	1395	0.466	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3888	1.094	ug/l #	42
59) 2-Hexanone	11.171	43	78497	42.586	ug/l #	24
74) N-amyl acetate	12.488	43	1060	0.278	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	72171	28.290	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72171	67.115	ug/l #	11
88) 1,4-Dichlorobenzene	13.818	146	180	Below Cal	#	36

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

Quant Time: Nov 12 00:35:43 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

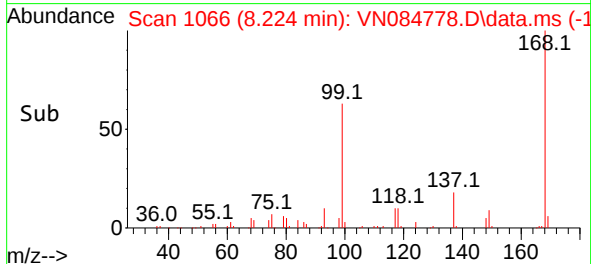
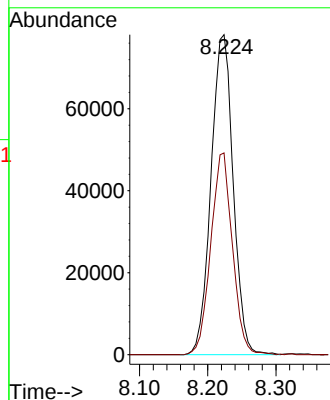
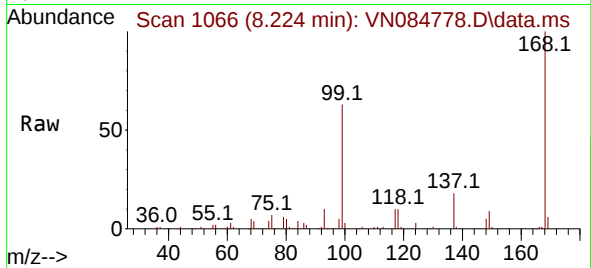




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

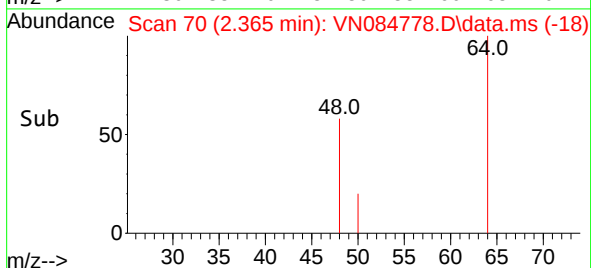
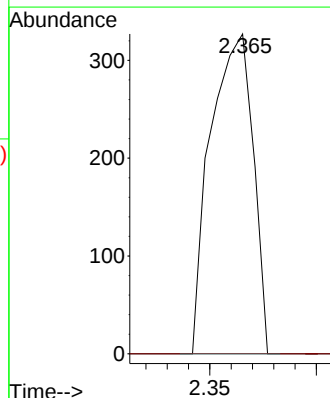
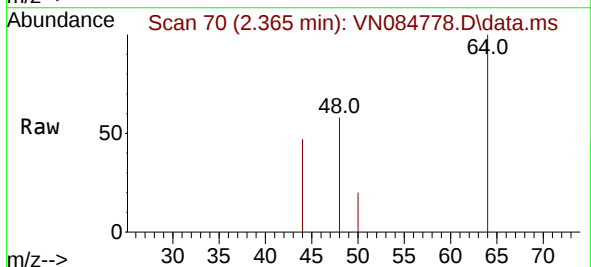
Instrument :
MSVOA_N
ClientSampleId :

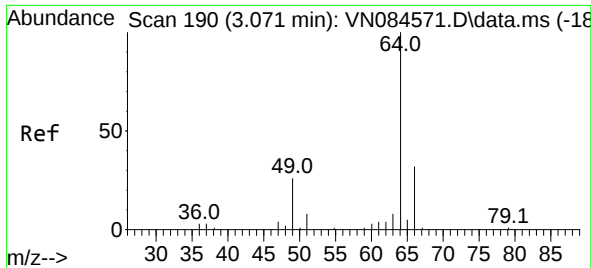
Tgt Ion:168 Resp: 176743
Ion Ratio Lower Upper
168 100
99 63.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

Tgt Ion: 50 Resp: 453
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

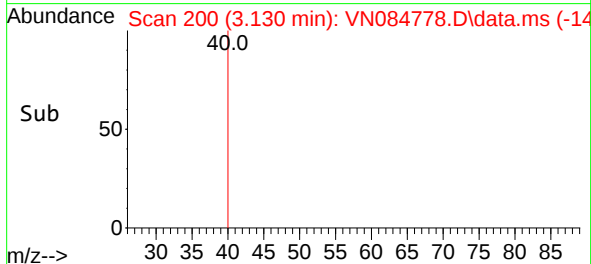
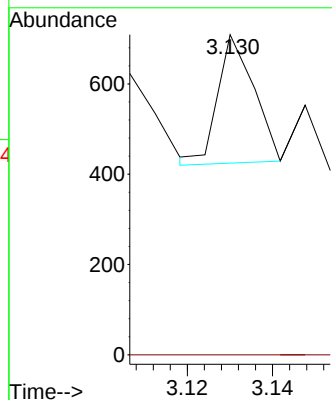
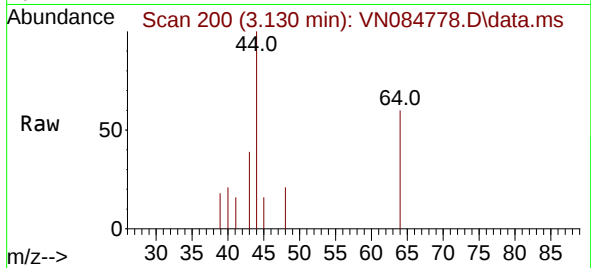




#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

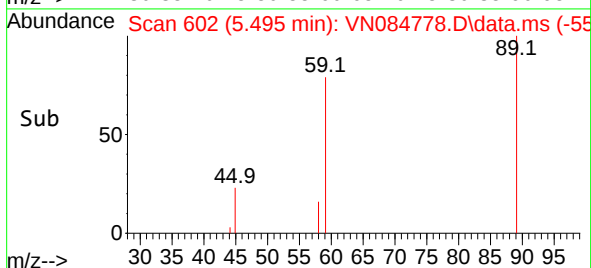
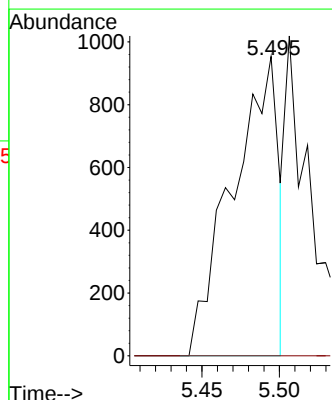
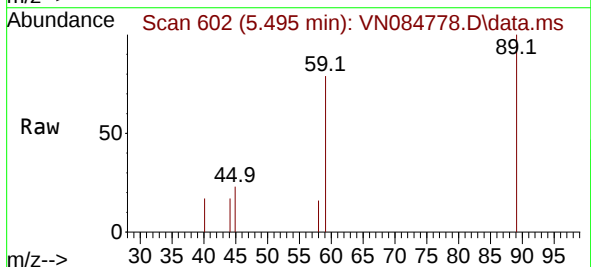
Instrument :
MSVOA_N
ClientSampleId :

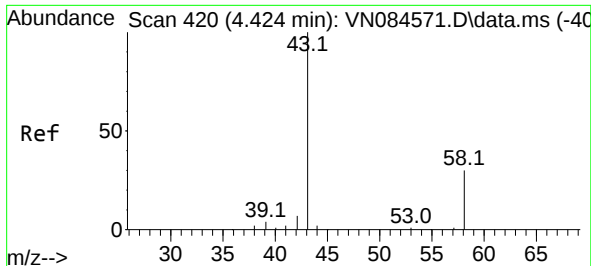
Tgt Ion: 64 Resp: 166
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 5.838 ug/l
RT: 5.495 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

Tgt Ion: 59 Resp: 1967
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

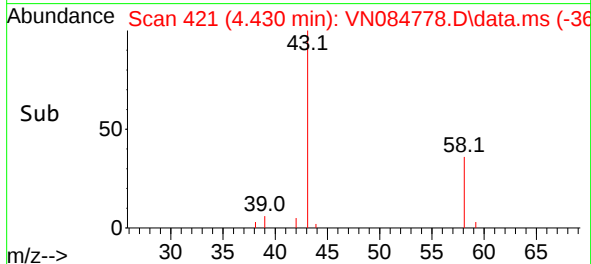
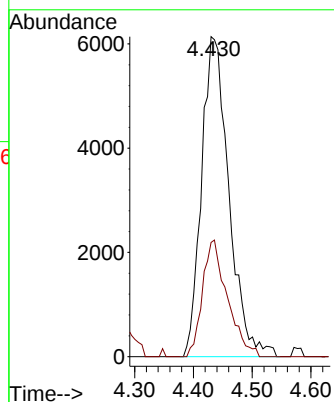
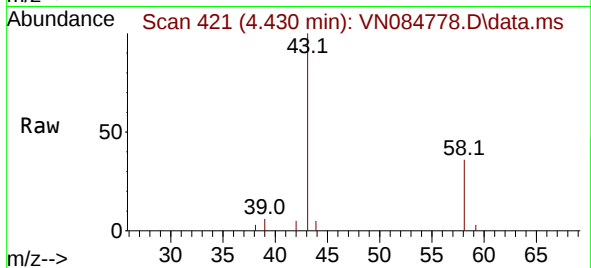




#16
Acetone
Concen: 24.358 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

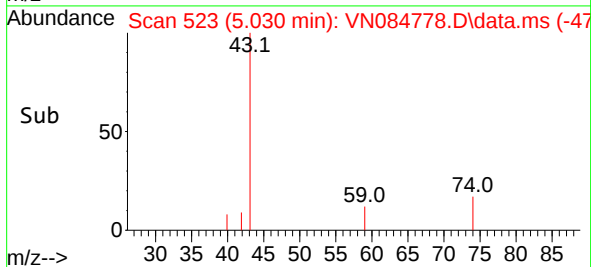
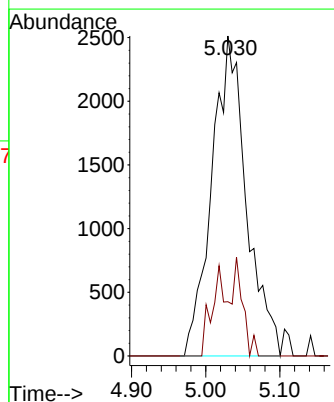
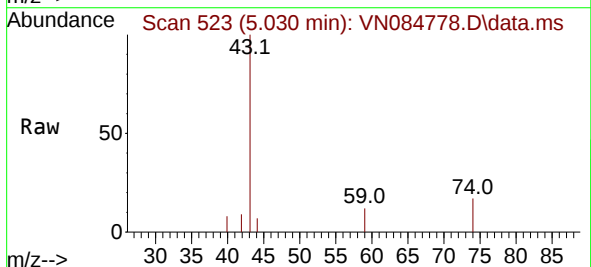
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 19860
Ion Ratio Lower Upper
43 100
58 35.7 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

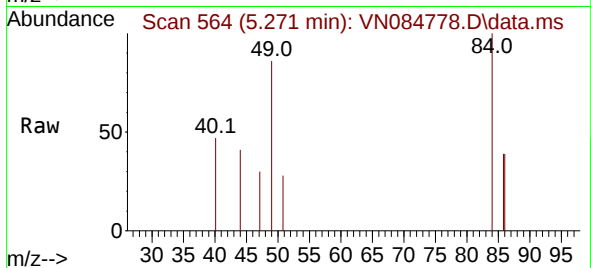
Tgt Ion: 43 Resp: 8146
Ion Ratio Lower Upper
43 100
74 7.5 19.2 28.8#



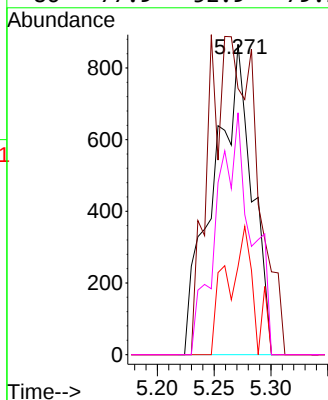
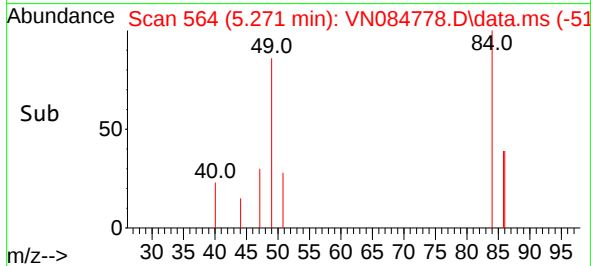


#20
Methylene Chloride
Concen: 0.906 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

Instrument :
MSVOA_N
ClientSampleId :

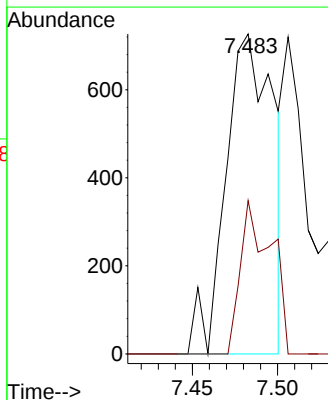
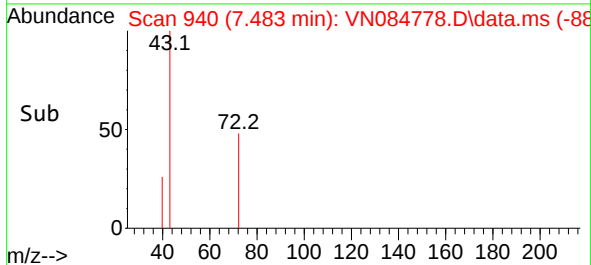
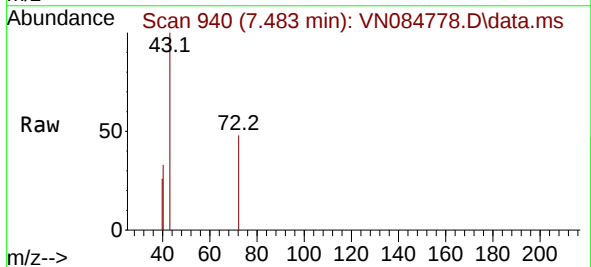


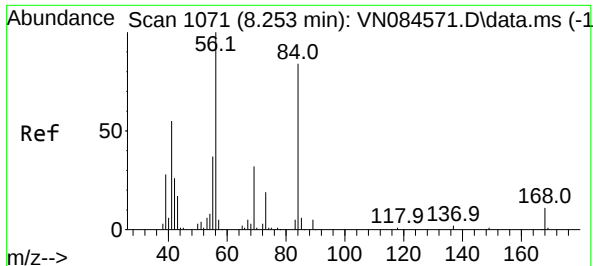
Tgt Ion:	84	Resp:	2035
Ion	Ratio	Lower	Upper
84	100		
49	85.8	107.2	160.8#
51	28.4	31.8	47.8#
86	77.9	52.9	79.3



#25
2-Butanone
Concen: 1.191 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

Tgt Ion:	43	Resp:	1418
Ion	Ratio	Lower	Upper
43	100		
72	47.9	21.4	32.2#





#31

Cyclohexane

Concen: 0.988 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

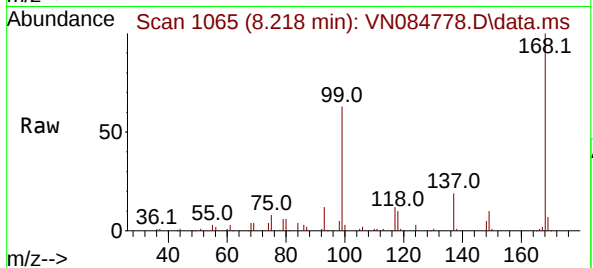
Lab File: VN084778.D

Acq: 11 Nov 2024 17:42

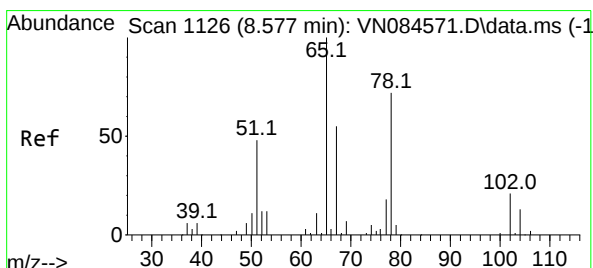
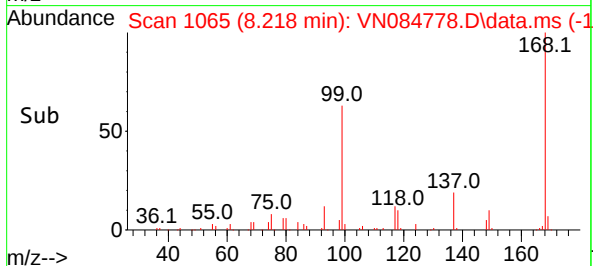
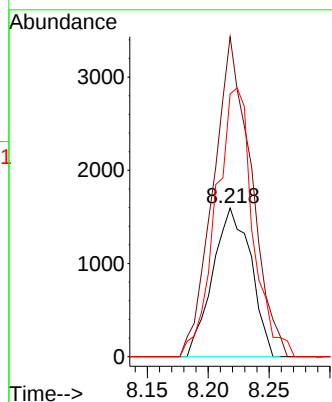
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	3483
Ion Ratio	Lower	Upper	
56	100		
69	215.2	23.8	35.6#
84	176.6	68.8	103.2#



#33

1,2-Dichloroethane-d4

Concen: 49.401 ug/l

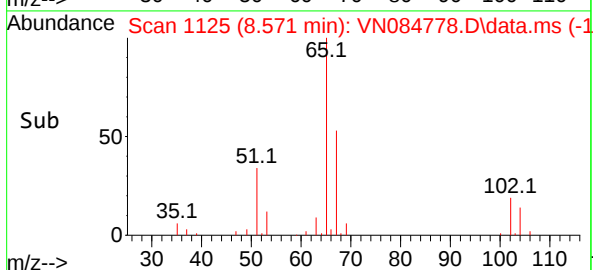
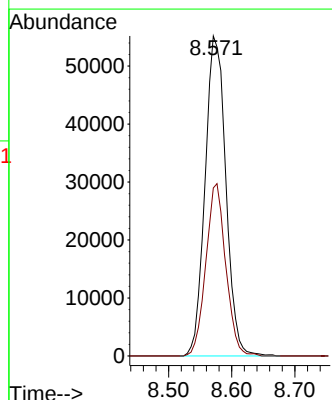
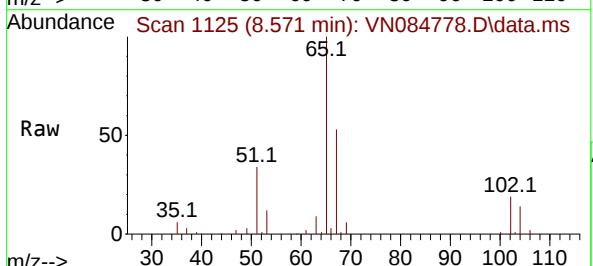
RT: 8.571 min Scan# 1125

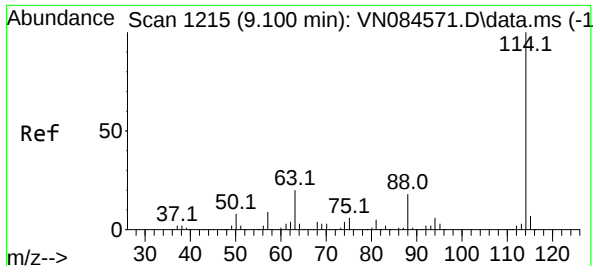
Delta R.T. -0.006 min

Lab File: VN084778.D

Acq: 11 Nov 2024 17:42

Tgt Ion:	65	Resp:	126108
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# 11

Delta R.T. 0.000 min

Lab File: VN084778.D

Acq: 11 Nov 2024 17:42

Instrument :

MSVOA_N

ClientSampleId :

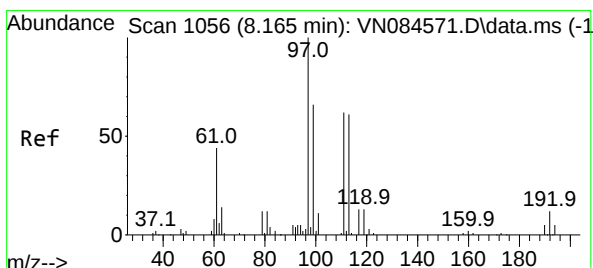
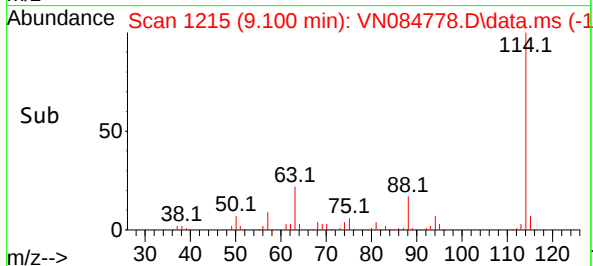
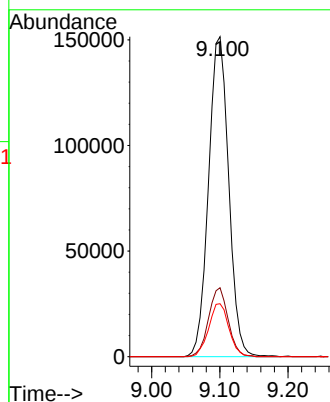
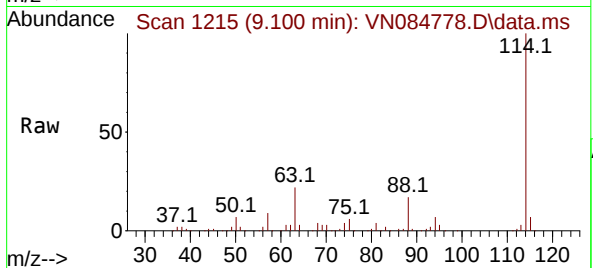
Tgt Ion:114 Resp: 311885

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.8

88 16.5 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.311 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084778.D

Acq: 11 Nov 2024 17:42

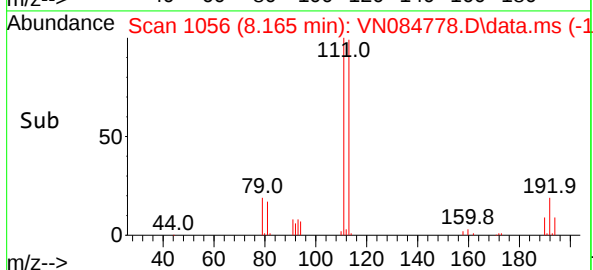
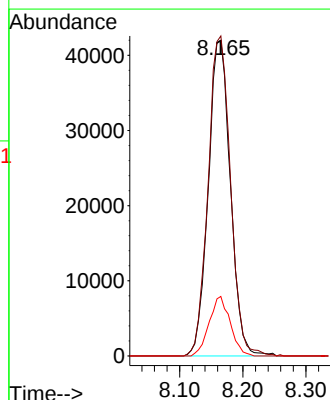
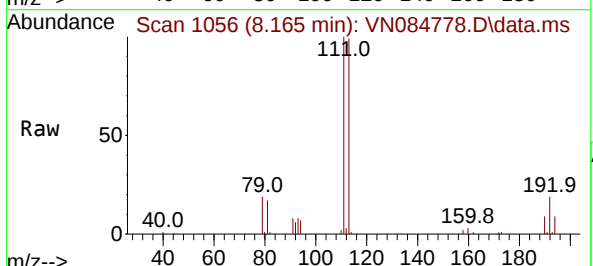
Tgt Ion:113 Resp: 101989

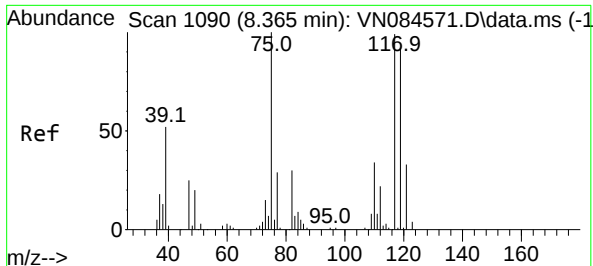
Ion Ratio Lower Upper

113 100

111 103.0 83.3 124.9

192 18.0 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.799 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.153 min

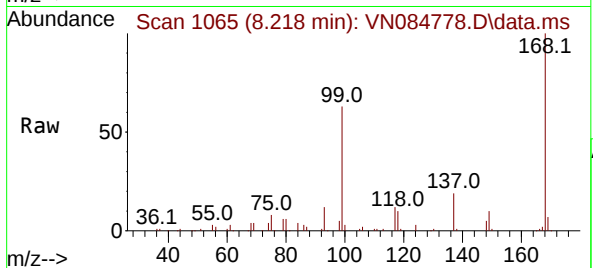
Lab File: VN084778.D

Acq: 11 Nov 2024 17:42

Instrument :

MSVOA_N

ClientSampleId :



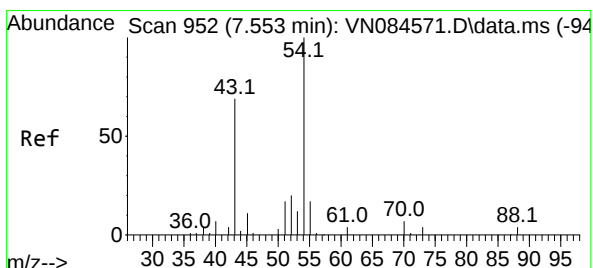
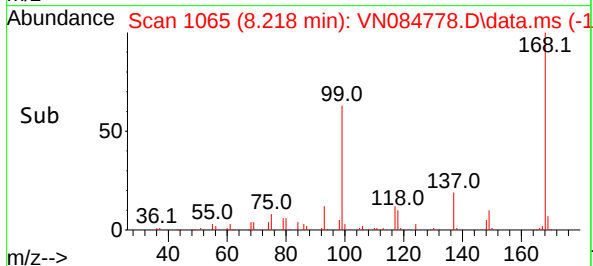
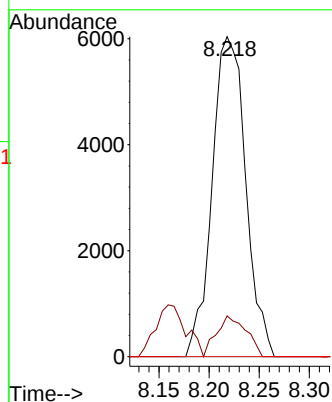
Tgt Ion: 75 Resp: 14052

Ion Ratio Lower Upper

75 100

110 11.3 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.819 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN084778.D

Acq: 11 Nov 2024 17:42

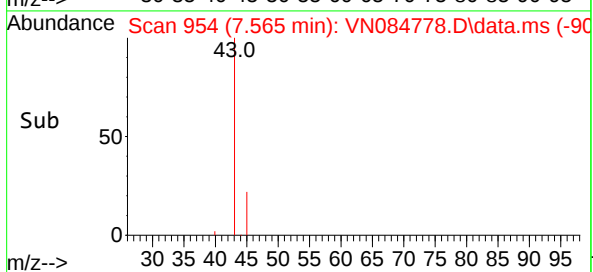
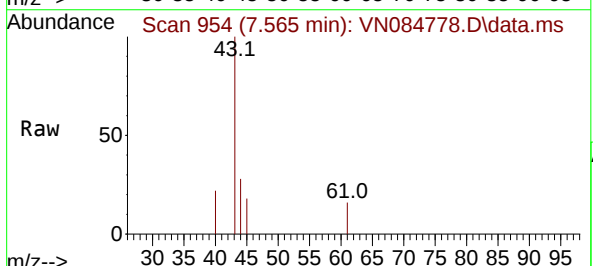
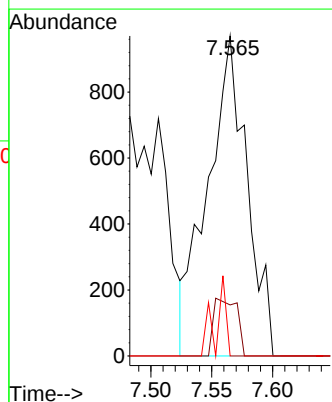
Tgt Ion: 43 Resp: 2175

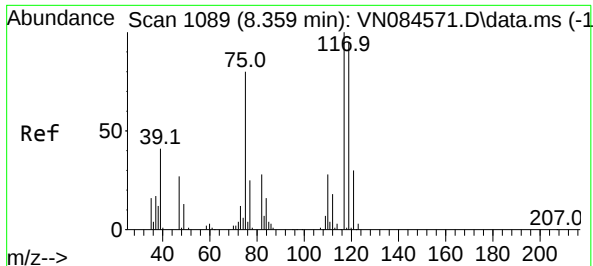
Ion Ratio Lower Upper

43 100

61 10.7 10.7 16.1#

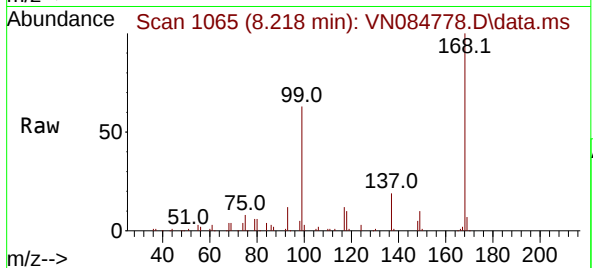
70 2.6 8.8 13.2#



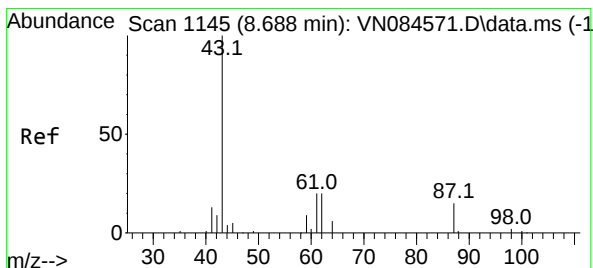
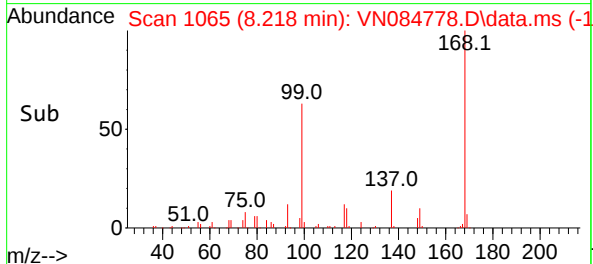
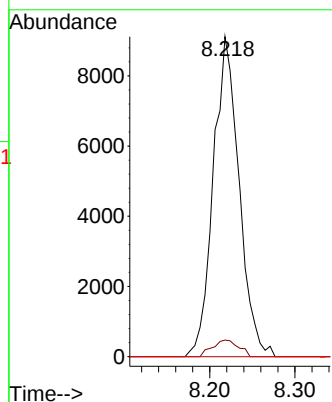


#38
Carbon Tetrachloride
Concen: 5.864 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

Instrument :
MSVOA_N
ClientSampleId :

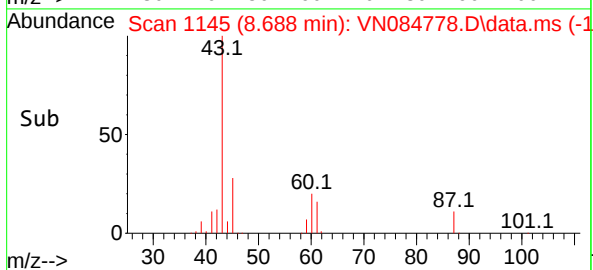
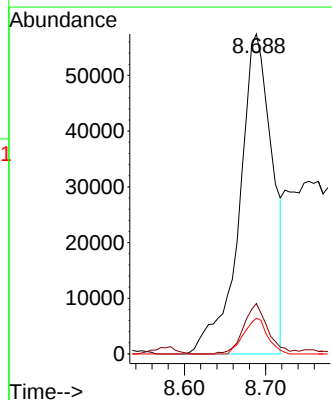
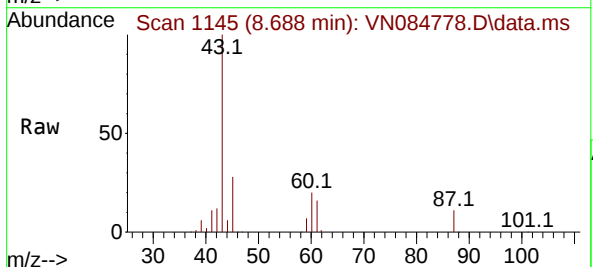


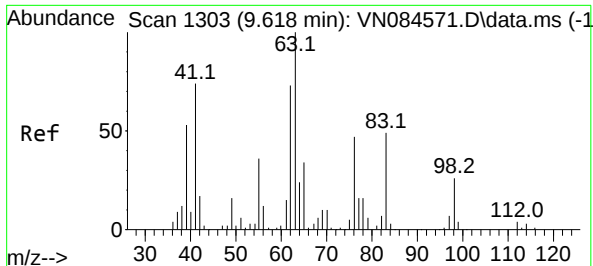
Tgt Ion:117 Resp: 19189
Ion Ratio Lower Upper
117 100
119 5.2 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 32.754 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

Tgt Ion: 43 Resp: 162373
Ion Ratio Lower Upper
43 100
61 11.7 20.4 30.6#
87 8.0 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.350 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN084778.D

Acq: 11 Nov 2024 17:42

Instrument :

MSVOA_N

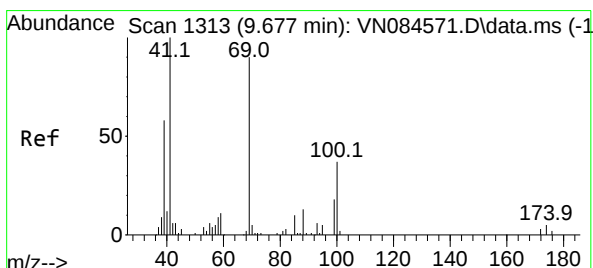
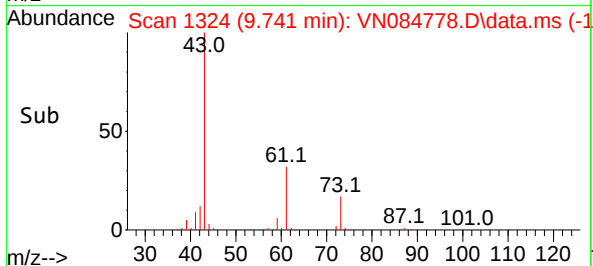
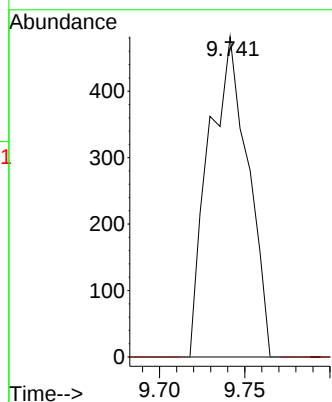
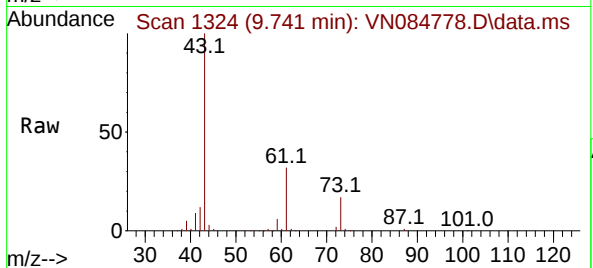
ClientSampleId :

Tgt Ion: 63 Resp: 773

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.304 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084778.D

Acq: 11 Nov 2024 17:42

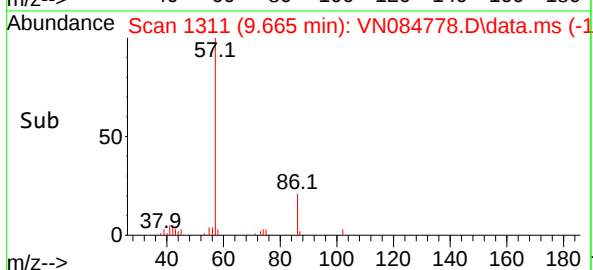
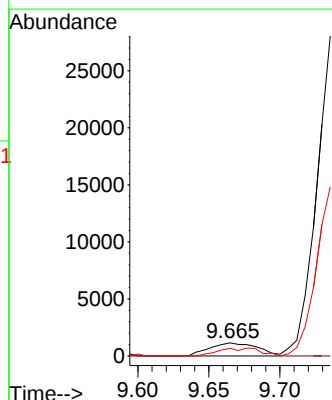
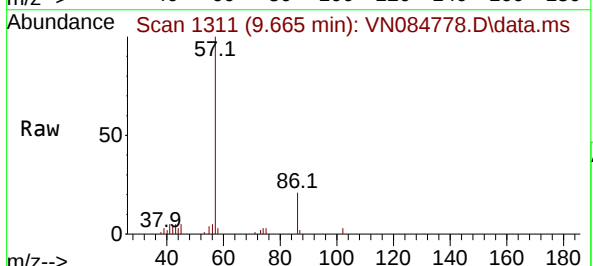
Tgt Ion: 41 Resp: 2696

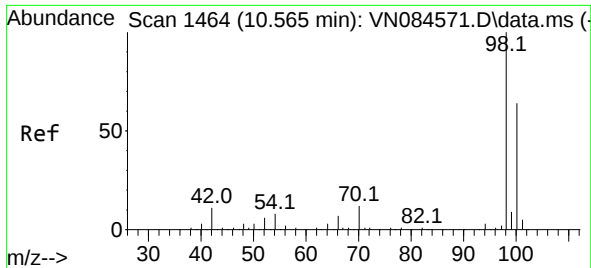
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 51.4 45.8 68.6

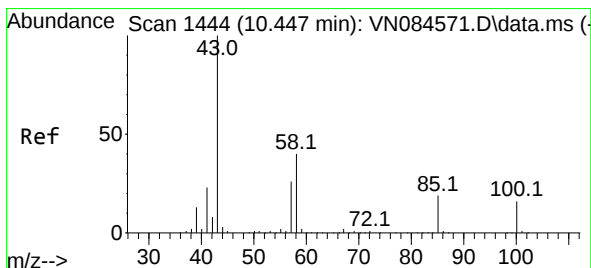
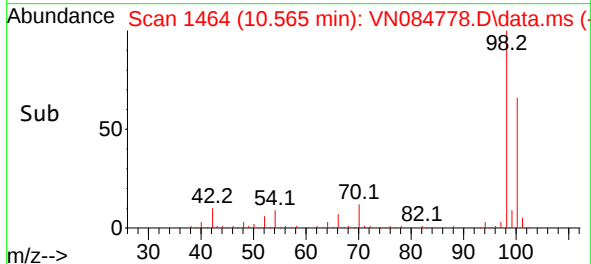
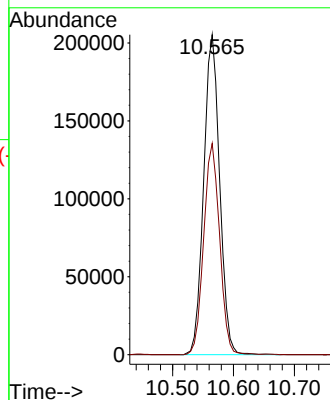
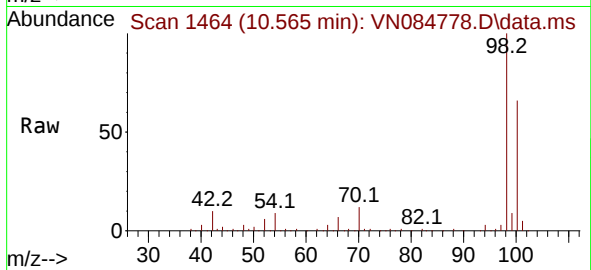




#50
Toluene-d8
Concen: 48.022 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

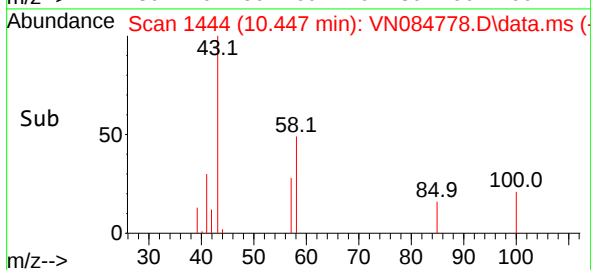
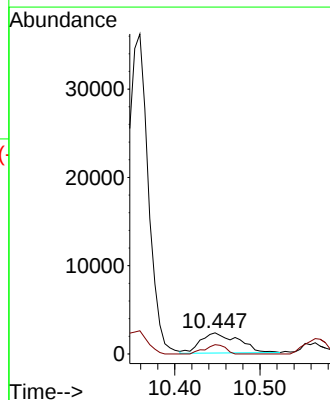
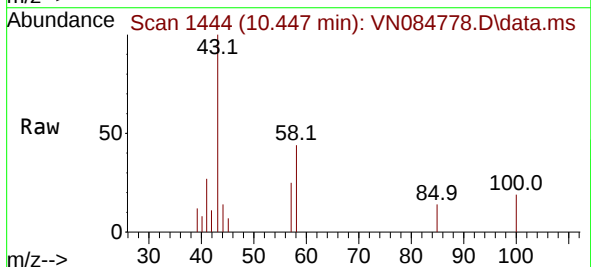
Instrument :
MSVOA_N
ClientSampleId :

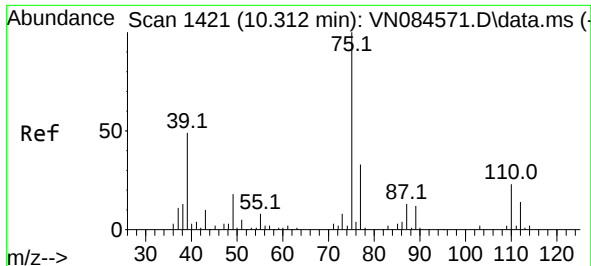
Tgt Ion: 98 Resp: 373448
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 2.819 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

Tgt Ion: 43 Resp: 7138
Ion Ratio Lower Upper
43 100
58 24.8 31.6 47.4#

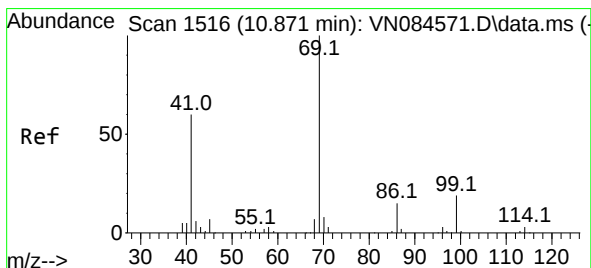
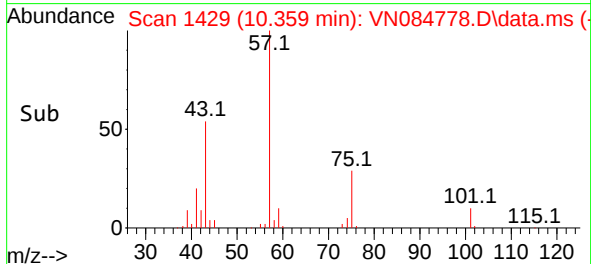
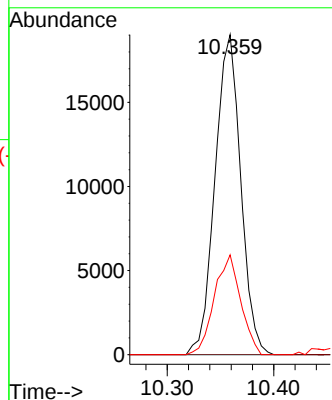
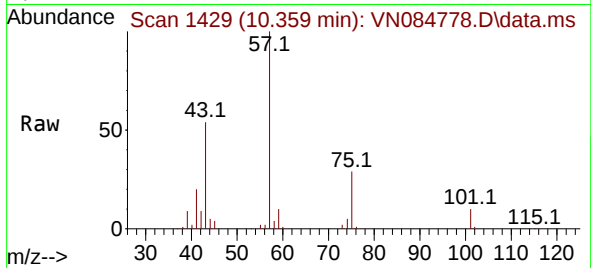




#54
 cis-1,3-Dichloropropene
 Concen: 8.867 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084778.D
 Acq: 11 Nov 2024 17:42

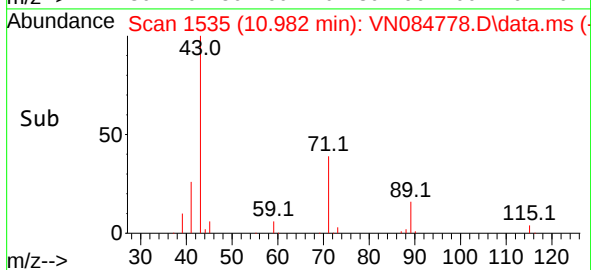
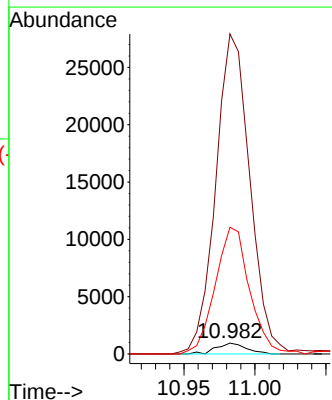
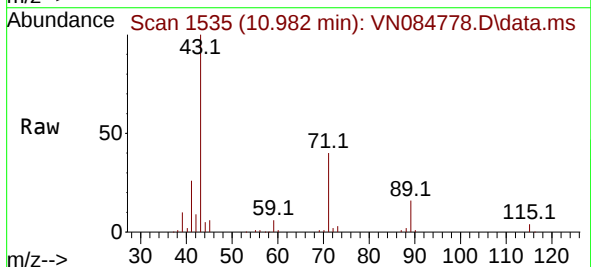
Instrument :
 MSVOA_N
 ClientSampleId :

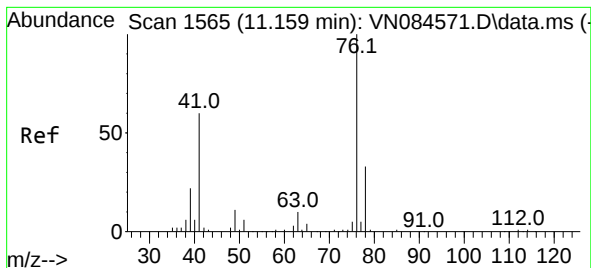
Tgt Ion: 75 Resp: 31870
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 31.2 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.466 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN084778.D
 Acq: 11 Nov 2024 17:42

Tgt Ion: 69 Resp: 1395
 Ion Ratio Lower Upper
 69 100
 41 3366.0 53.3 79.9#
 39 1334.6 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.094 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN084778.D

Acq: 11 Nov 2024 17:42

Instrument :

MSVOA_N

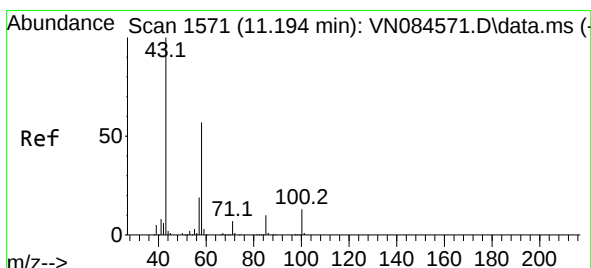
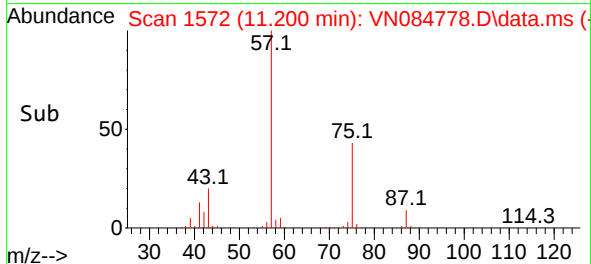
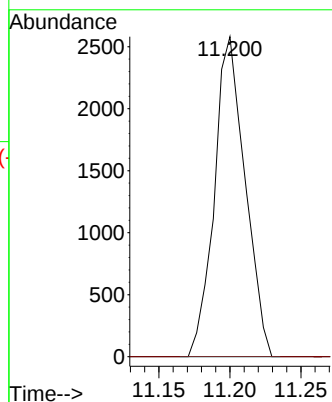
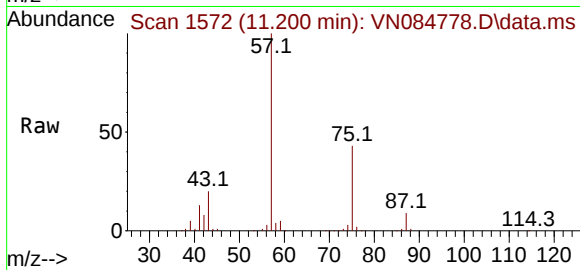
ClientSampleId :

Tgt Ion: 76 Resp: 3888

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 42.586 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN084778.D

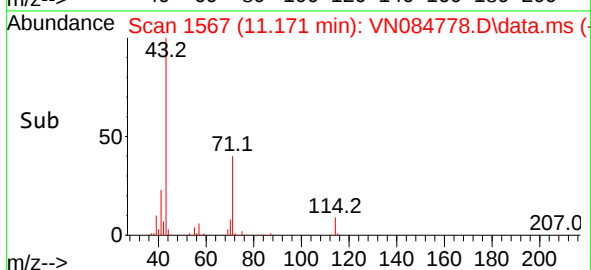
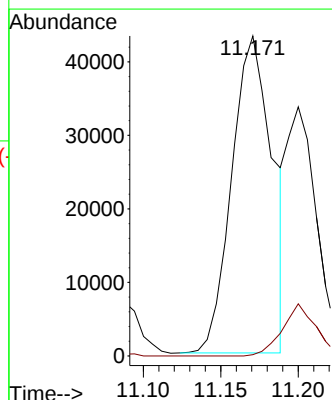
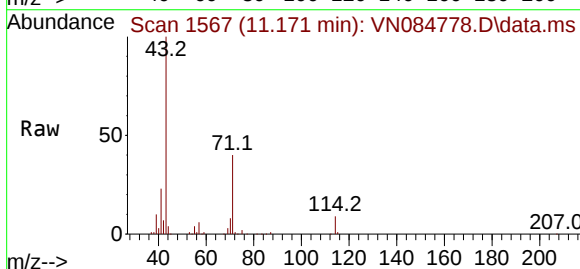
Acq: 11 Nov 2024 17:42

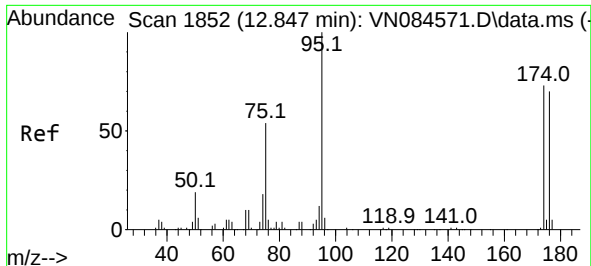
Tgt Ion: 43 Resp: 78497

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

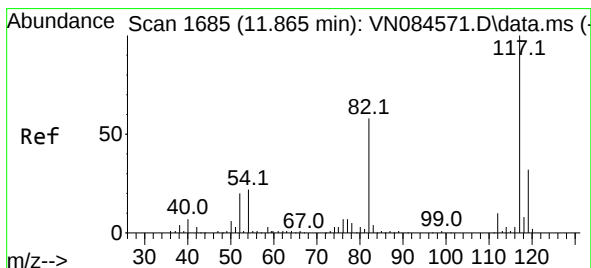
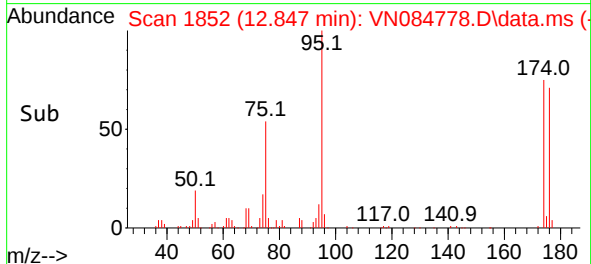
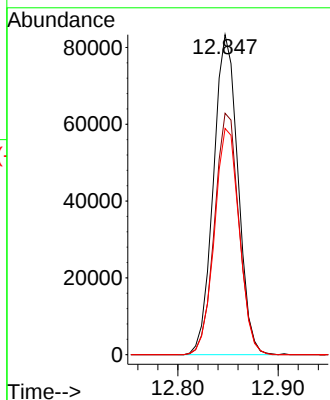
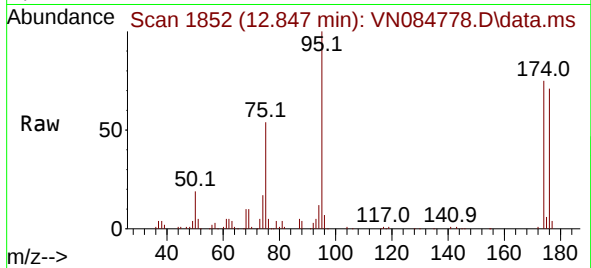




#62
4-Bromofluorobenzene
Concen: 48.637 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

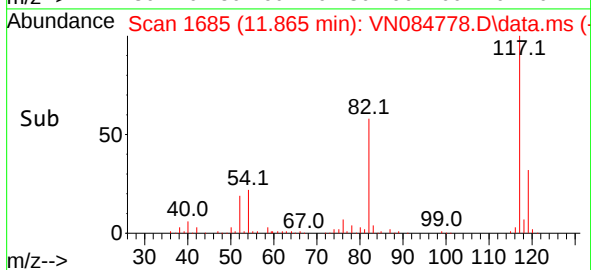
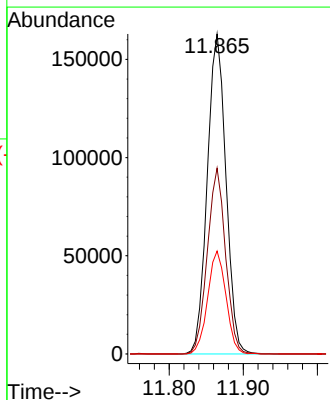
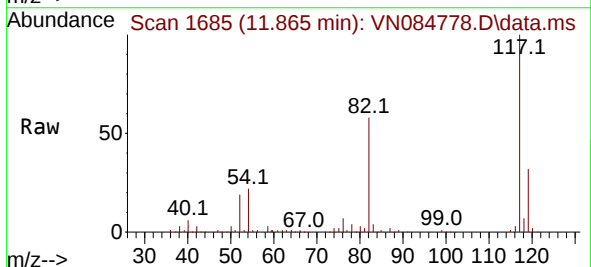
Instrument :
MSVOA_N
ClientSampleId :

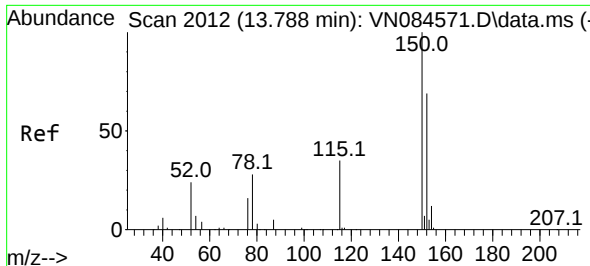
Tgt Ion: 95 Resp: 141355
Ion Ratio Lower Upper
95 100
174 75.5 0.0 145.2
176 71.7 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

Tgt Ion: 117 Resp: 285217
Ion Ratio Lower Upper
117 100
82 58.1 47.2 70.8
119 32.1 25.4 38.0

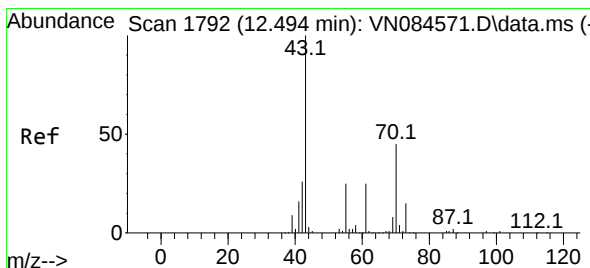
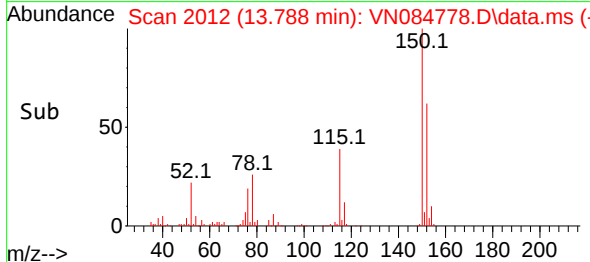
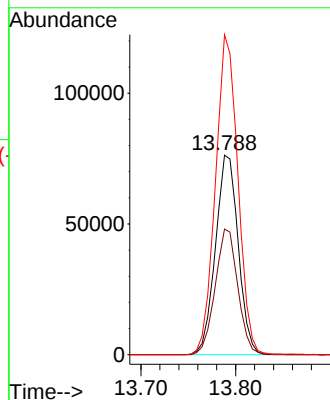
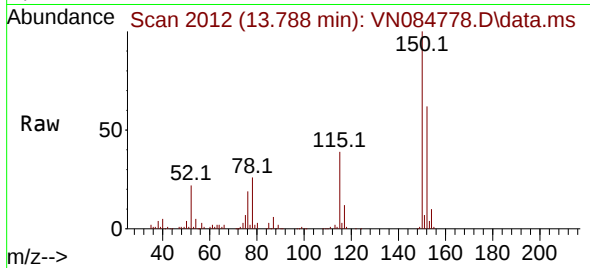




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

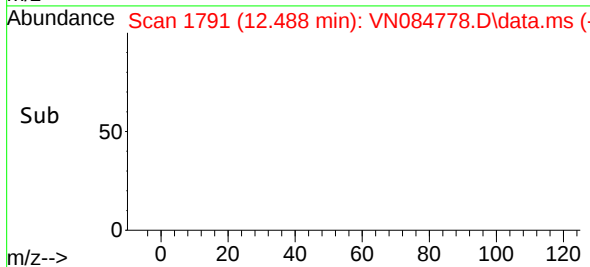
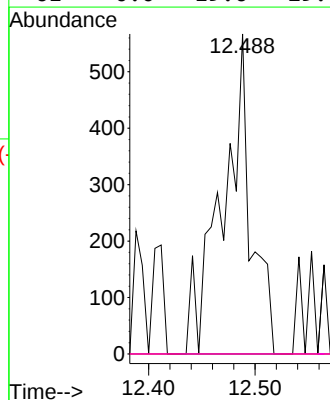
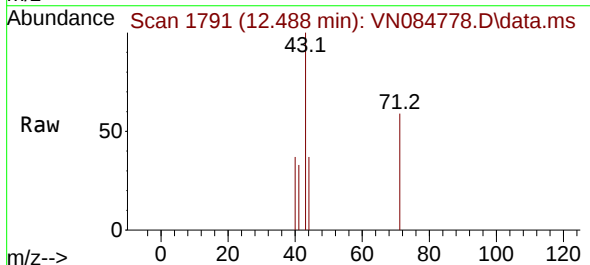
Instrument :
MSVOA_N
ClientSampleId :

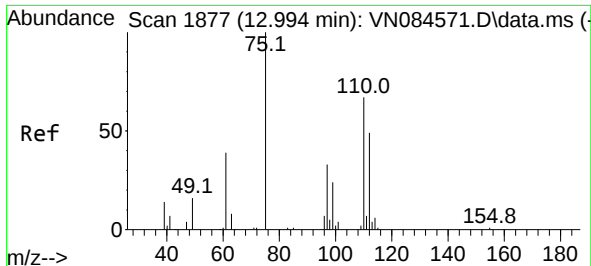
Tgt Ion:152 Resp: 127623
Ion Ratio Lower Upper
152 100
115 62.4 31.3 93.9
150 158.0 0.0 349.8



#74
N-ethyl acetate
Concen: 0.278 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

Tgt Ion: 43 Resp: 1060
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#

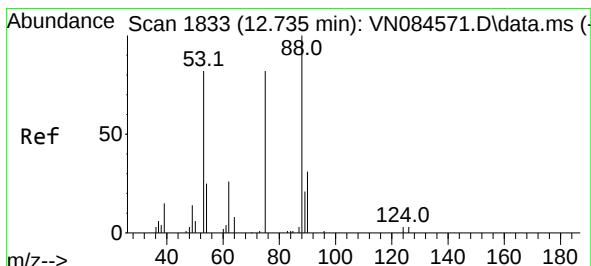
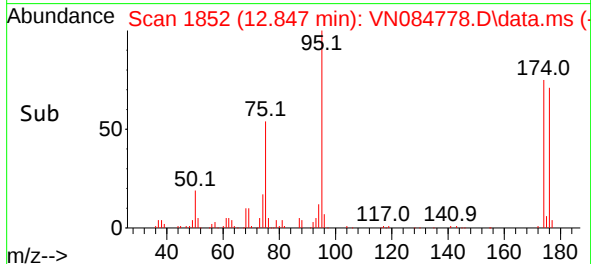
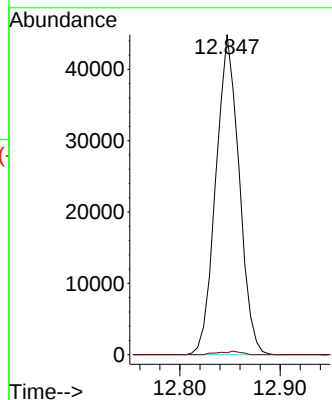
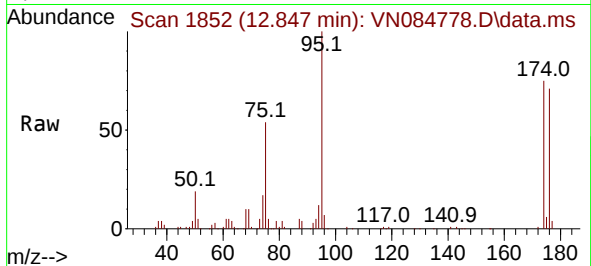




#76
1,2,3-Trichloropropane
Concen: 28.290 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

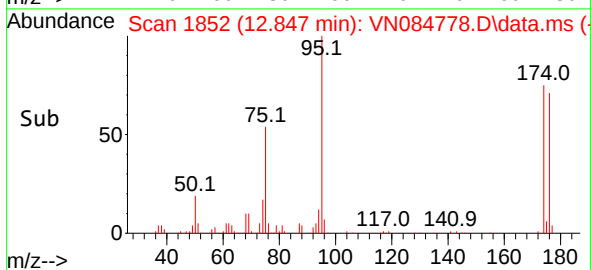
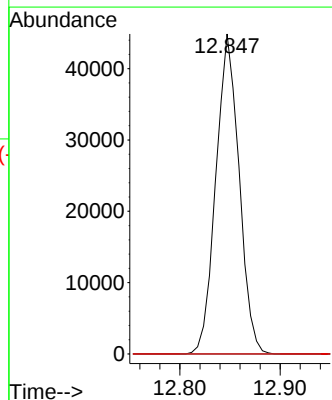
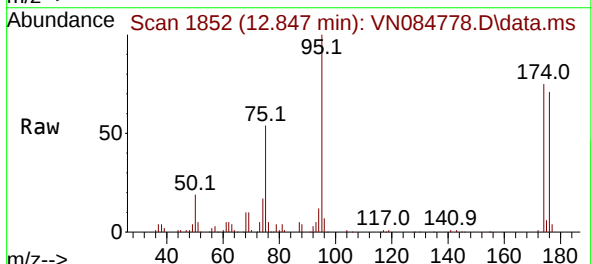
Instrument :
MSVOA_N
ClientSampleId :

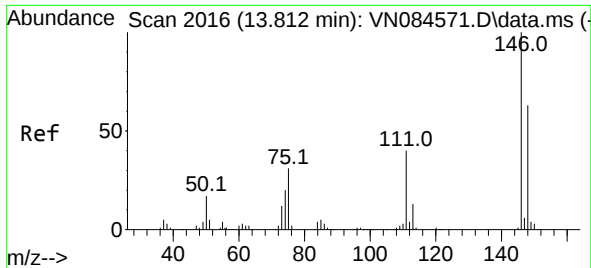
Tgt Ion: 75 Resp: 72171
Ion Ratio Lower Upper
75 100
77 1.0 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.115 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084778.D
Acq: 11 Nov 2024 17:42

Tgt Ion: 75 Resp: 72171
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: 13.818 min Scan# 20

Delta R.T. 0.006 min

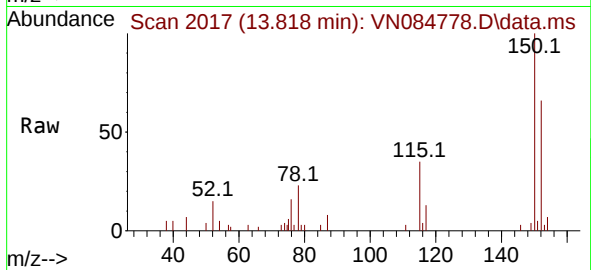
Lab File: VN084778.D

Acq: 11 Nov 2024 17:42

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:146 Resp: 180

Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

148 112.2 31.9 95.9#

