

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110524\
 Data File : VN084694.D
 Acq On : 05 Nov 2024 17:48
 Operator : JC\MD
 Sample : P4695-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:35:42 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)

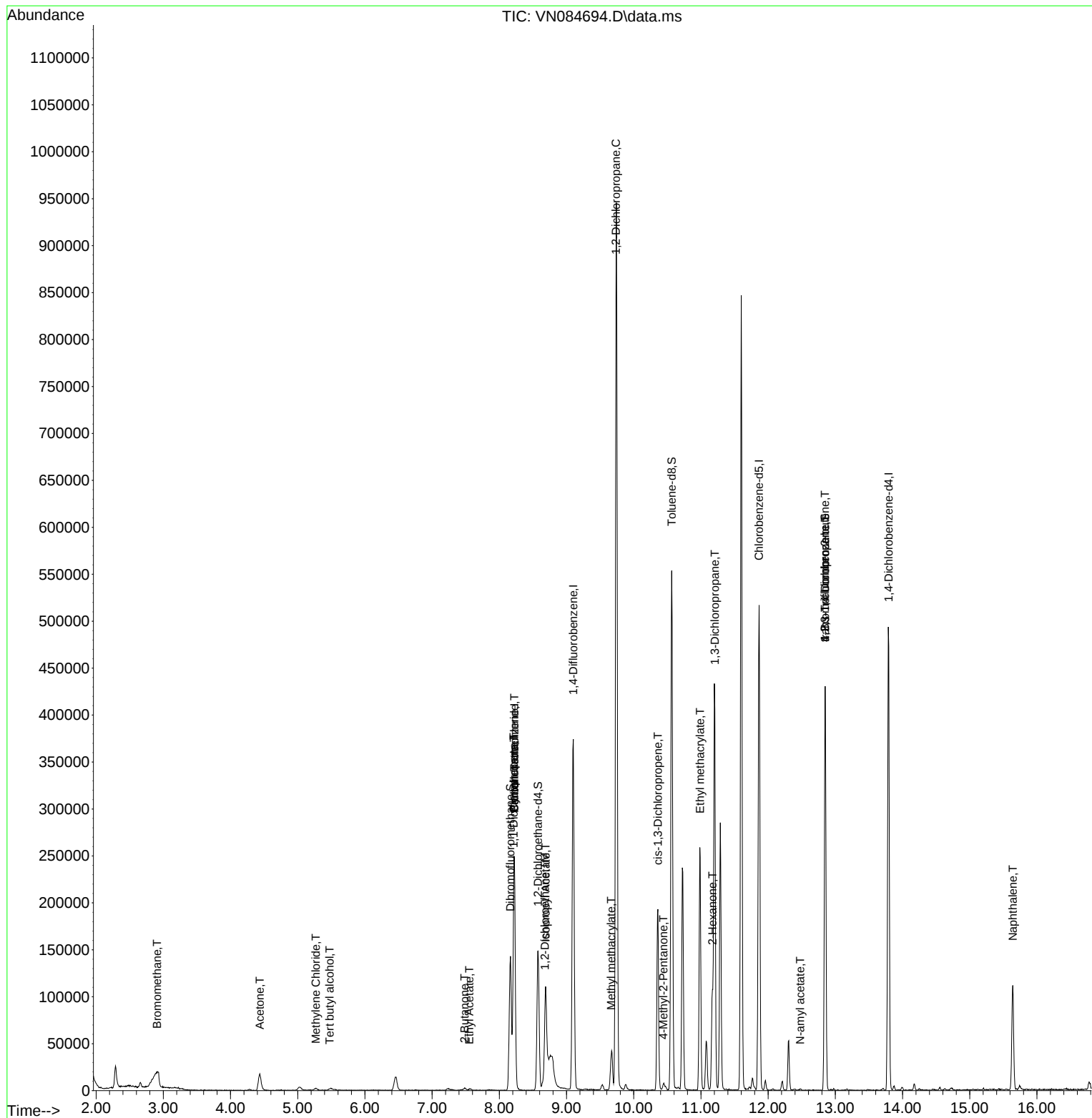
Internal Standards						
1) Pentafluorobenzene	8.224	168	180541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124772	47.849	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.700%		
35) Dibromofluoromethane	8.165	113	102693	46.755	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.520%		
50) Toluene-d8	10.565	98	387590	47.905	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.800%		
62) 4-Bromofluorobenzene	12.847	95	151431	50.079	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.160%		
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	627	Below Cal	#	41
5) Bromomethane	2.907	94	247	0.209	ug/l #	4
6) Chloroethane	3.101	64	324	Below Cal	#	45
11) Tert butyl alcohol	5.477	59	1048	3.045	ug/l #	73
16) Acetone	4.436	43	33457	42.044	ug/l	95
18) Methyl Acetate	5.024	43	7903	Below Cal		100
20) Methylene Chloride	5.271	84	1687	0.736	ug/l	95
25) 2-Butanone	7.483	43	4498	3.697	ug/l #	88
31) Cyclohexane	8.218	56	3759	1.044	ug/l #	22
36) 1,1-Dichloropropene	8.212	75	15526	5.097	ug/l #	51
37) Ethyl Acetate	7.553	43	2719	0.984	ug/l #	82
38) Carbon Tetrachloride	8.224	117	18944	5.564	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	702	0.222	ug/l #	75
43) Isopropyl Acetate	8.688	43	142126	27.400	ug/l #	84
45) 1,2-Dichloropropane	9.735	63	1070	0.466	ug/l #	44
48) Methyl methacrylate	9.665	41	2616	1.216	ug/l #	44
51) 4-Methyl-2-Pentanone	10.441	43	4166	1.581	ug/l #	84
54) cis-1,3-Dichloropropene	10.359	75	36396	9.733	ug/l #	60
56) Ethyl methacrylate	10.988	69	1089	0.349	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4620	1.249	ug/l #	42
59) 2-Hexanone	11.171	43	86659	45.188	ug/l #	24
74) N-amyl acetate	12.476	43	1068	0.263	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	77473	28.441	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77473	67.474	ug/l #	11
88) 1,4-Dichlorobenzene	13.735	146	54	Below Cal	#	24
95) Naphthalene	15.641	128	106422	13.493	ug/l	99

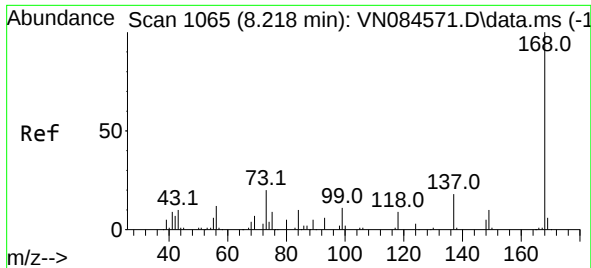
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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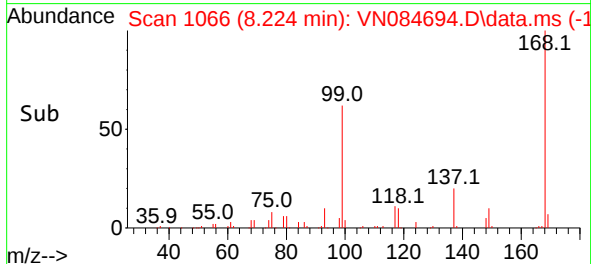
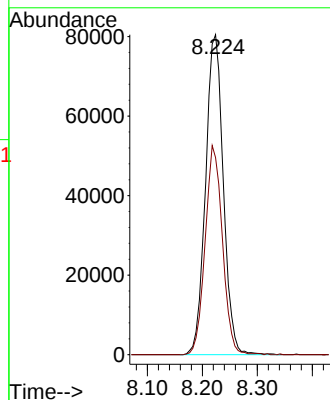
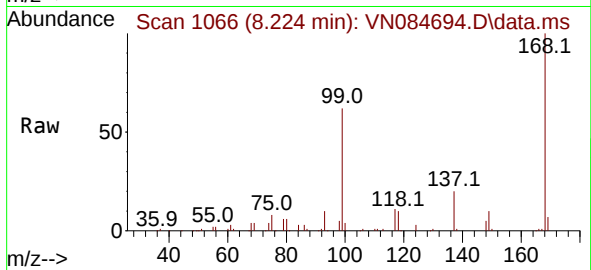




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

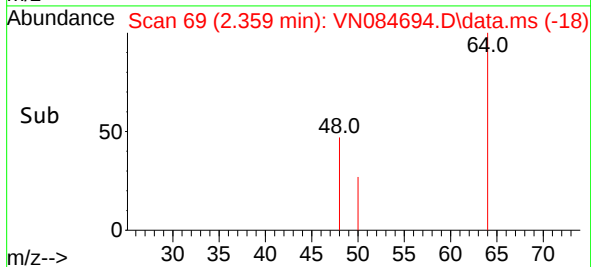
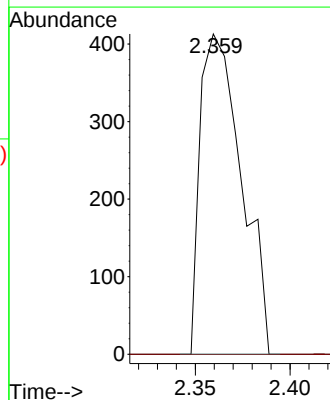
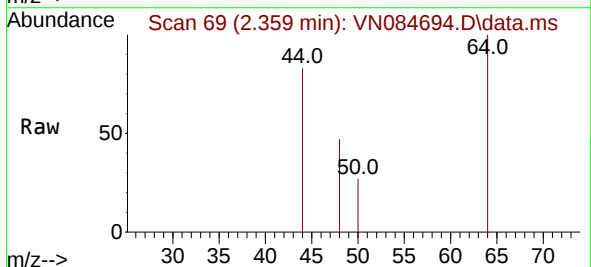
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 180541
Ion Ratio Lower Upper
168 100
99 61.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

Tgt Ion: 50 Resp: 627
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

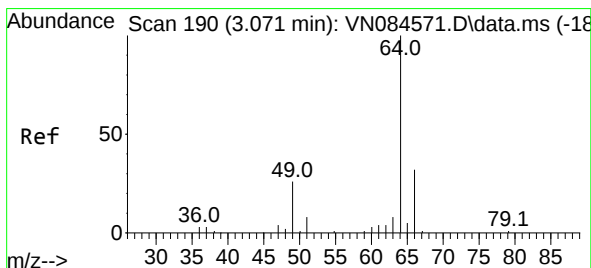
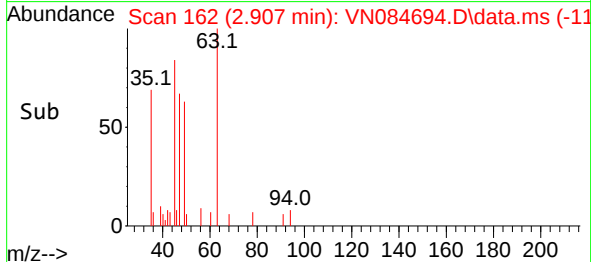
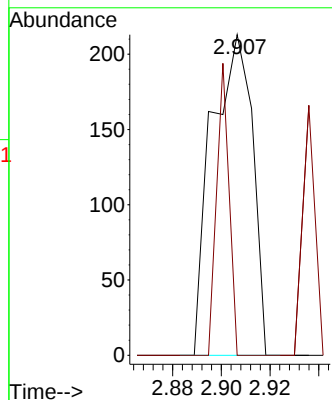
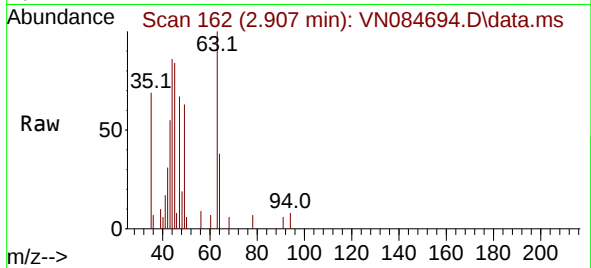




#5
Bromomethane
Concen: 0.209 ug/l
RT: 2.907 min Scan# 11
Delta R.T. -0.046 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

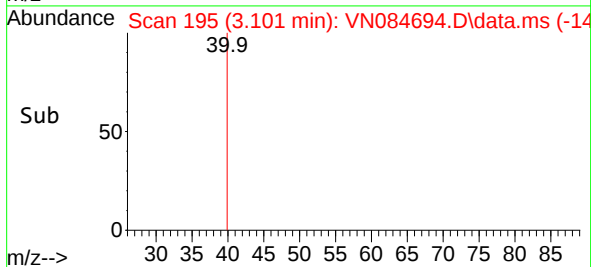
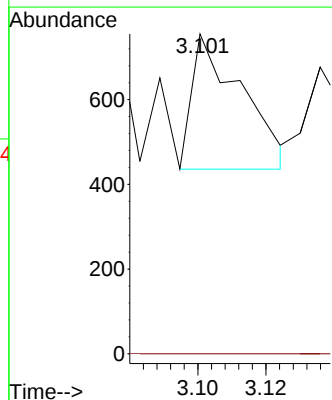
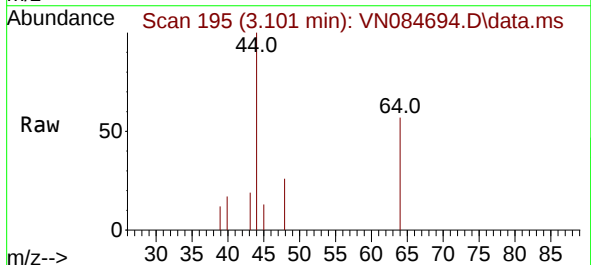
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 195
Delta R.T. -0.017 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

Tgt Ion: 64 Resp: 324
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#





#11

Tert butyl alcohol

Concen: 3.045 ug/l

RT: 5.477 min Scan# 59

Delta R.T. -0.047 min

Lab File: VN084694.D

Acq: 05 Nov 2024 17:48

Instrument :

MSVOA_N

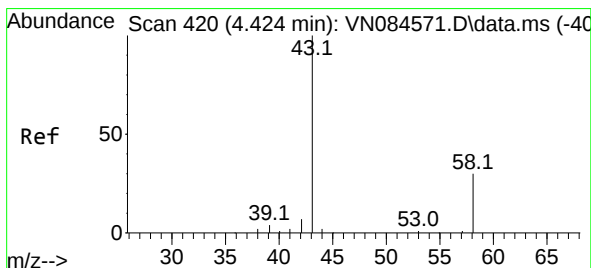
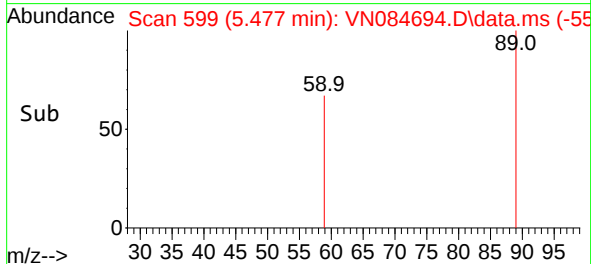
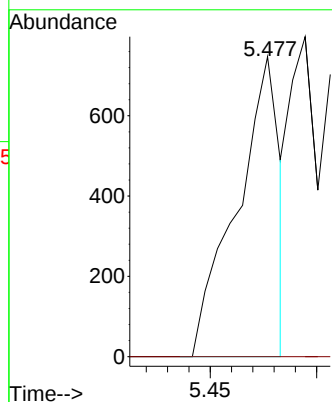
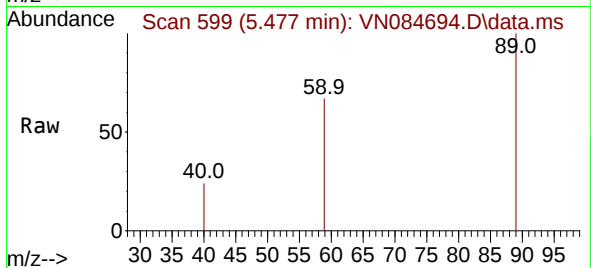
ClientSampleId :

Tgt Ion: 59 Resp: 1048

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 42.044 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN084694.D

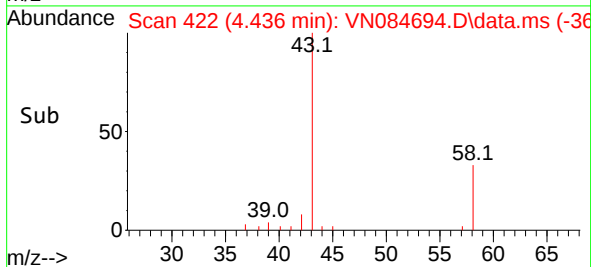
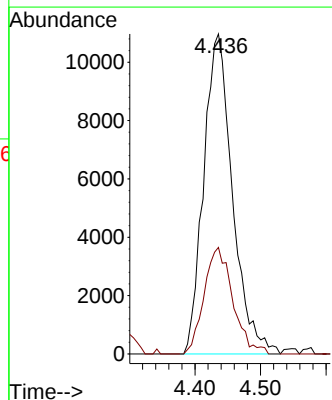
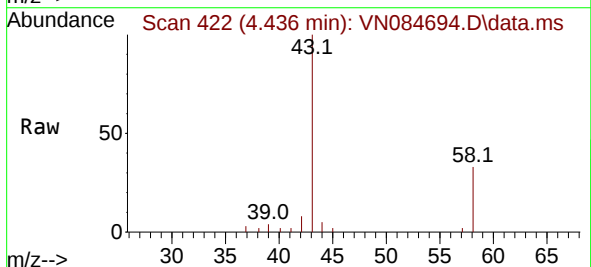
Acq: 05 Nov 2024 17:48

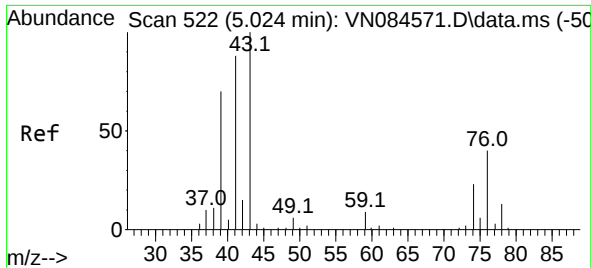
Tgt Ion: 43 Resp: 33457

Ion Ratio Lower Upper

43 100

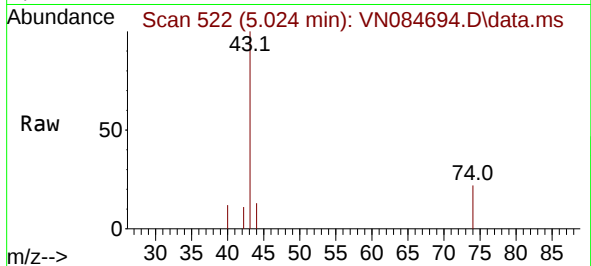
58 33.3 24.4 36.6



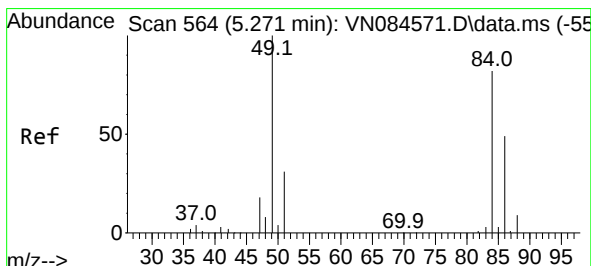
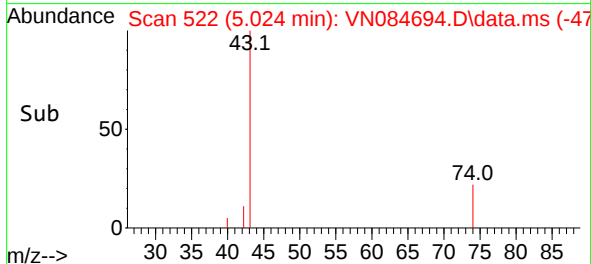
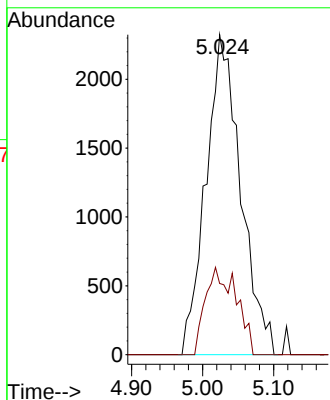


#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

Instrument :
MSVOA_N
ClientSampleId :

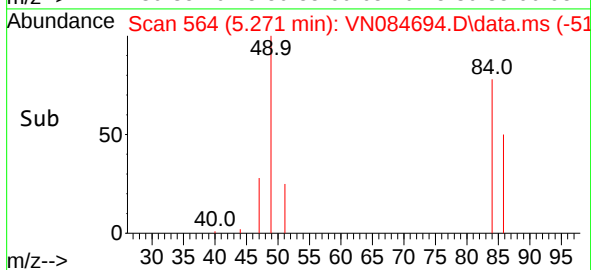
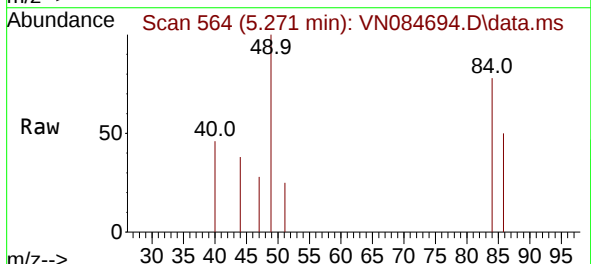
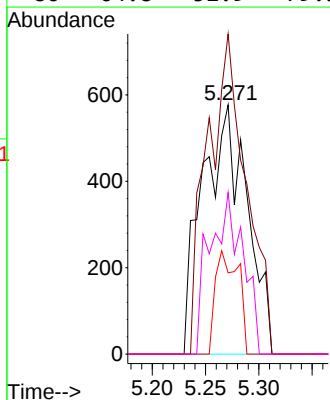


Tgt Ion: 43 Resp: 7903
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8



#20
Methylene Chloride
Concen: 0.736 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

Tgt Ion: 84 Resp: 1687
Ion Ratio Lower Upper
84 100
49 128.4 107.2 160.8
51 32.6 31.8 47.8
86 64.8 52.9 79.3

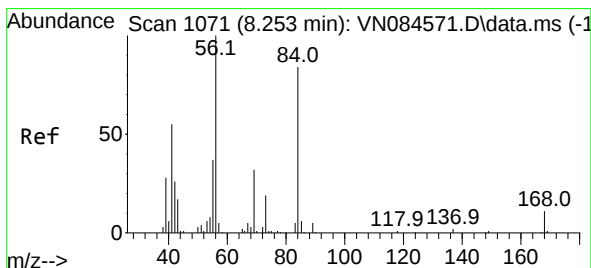
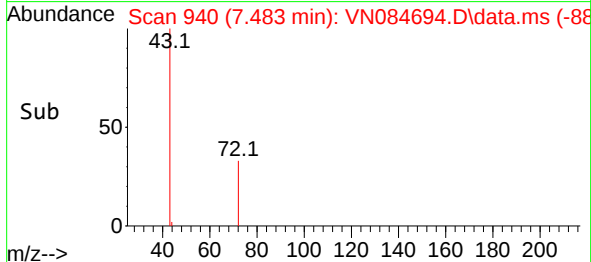
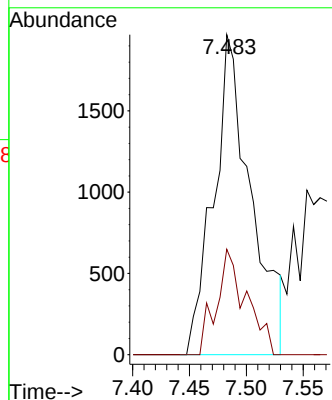
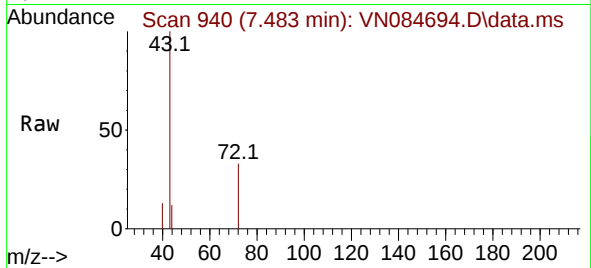




#25
2-Butanone
Concen: 3.697 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

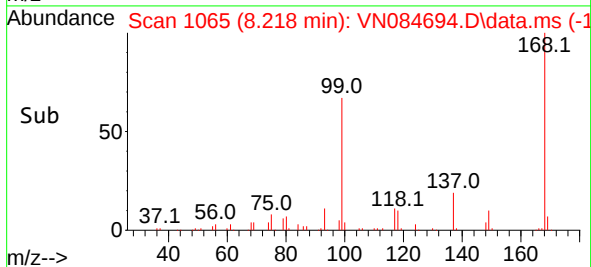
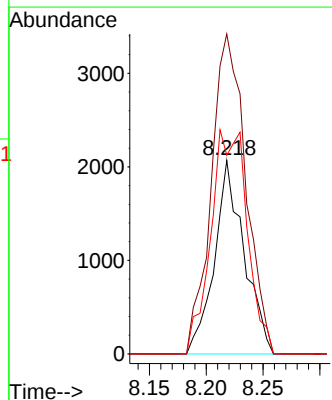
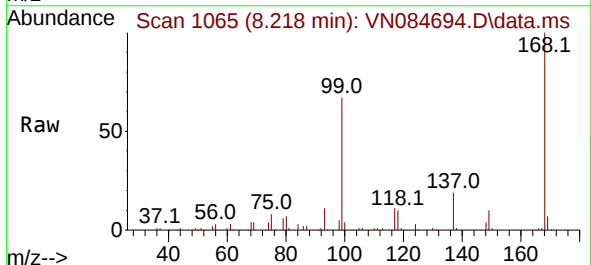
Instrument :
MSVOA_N
ClientSampleId :

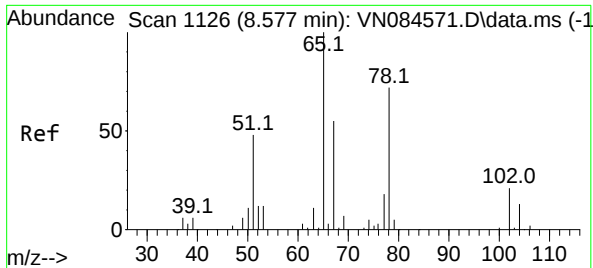
Tgt Ion: 43 Resp: 4498
Ion Ratio Lower Upper
43 100
72 33.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.044 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

Tgt Ion: 56 Resp: 3759
Ion Ratio Lower Upper
56 100
69 165.3 23.8 35.6#
84 102.7 68.8 103.2

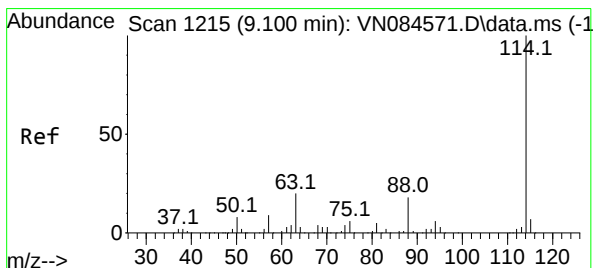
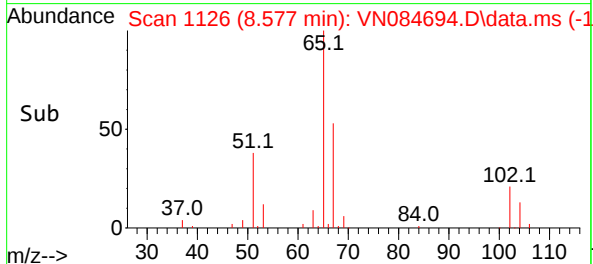
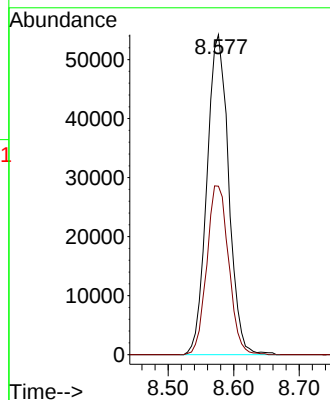
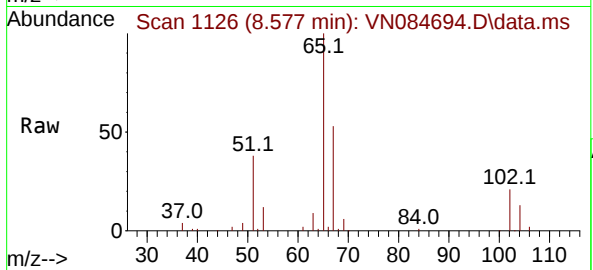




#33
 1,2-Dichloroethane-d4
 Concen: 47.849 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084694.D
 Acq: 05 Nov 2024 17:48

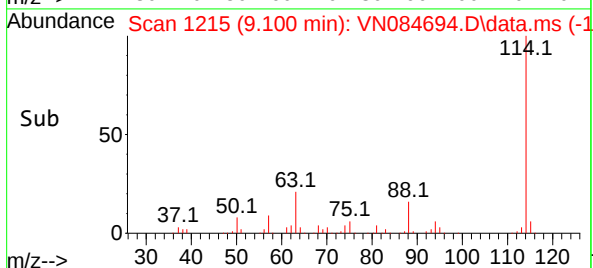
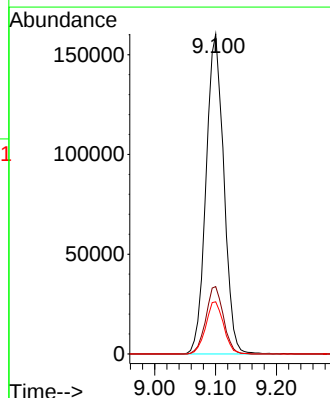
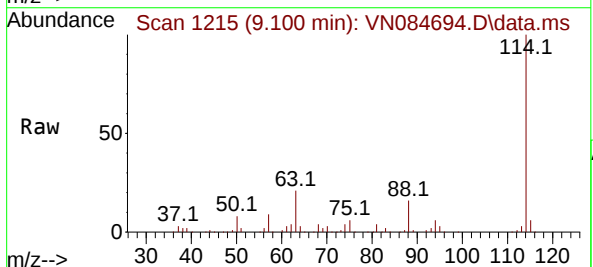
Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 65 Resp: 124772
 Ion Ratio Lower Upper
 65 100
 67 53.2 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: VN084694.D
 Acq: 05 Nov 2024 17:48

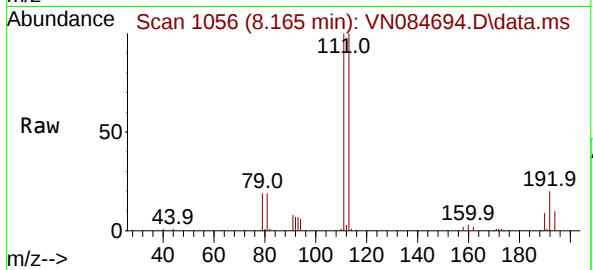
Tgt Ion: 114 Resp: 324490
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.8
 88 16.3 0.0 31.6



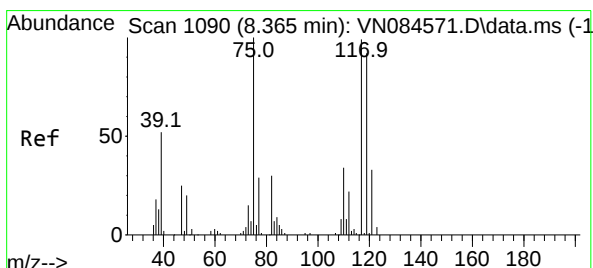
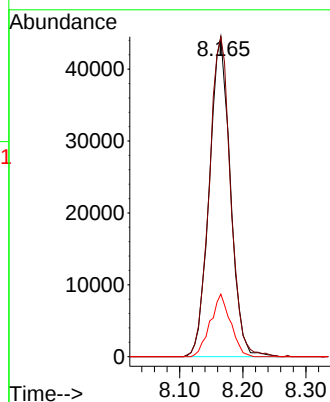
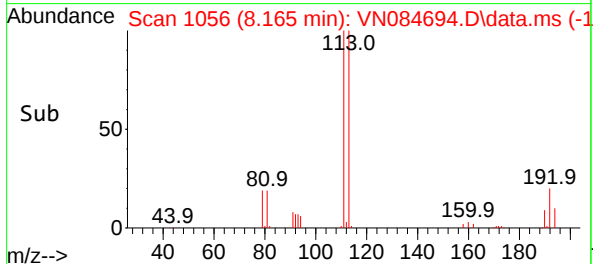


#35
Dibromofluoromethane
Concen: 46.755 ug/l
RT: 8.165 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

Instrument :
MSVOA_N
ClientSampleId :

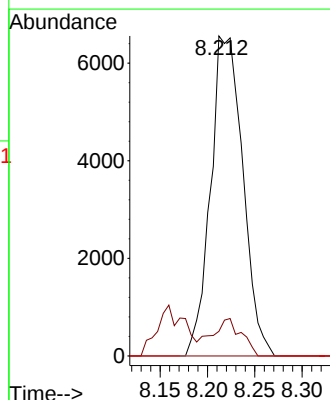
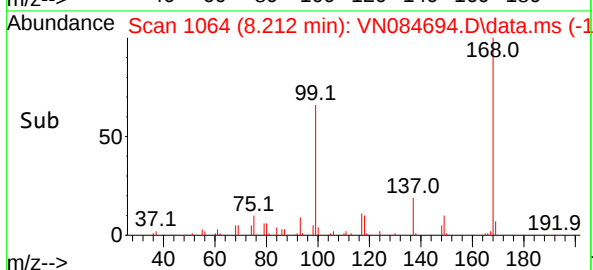
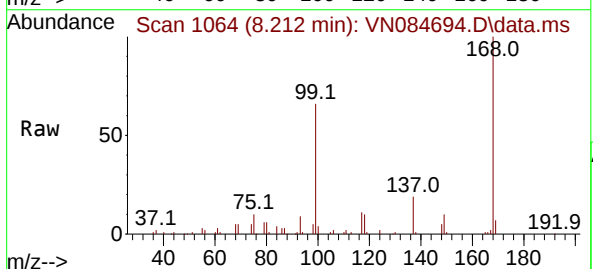


Tgt Ion:113 Resp: 102693
Ion Ratio Lower Upper
113 100
111 101.9 83.3 124.9
192 18.9 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.097 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.159 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

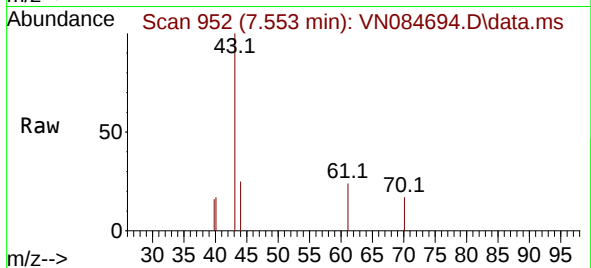
Tgt Ion: 75 Resp: 15526
Ion Ratio Lower Upper
75 100
110 9.8 16.9 50.7#
77 0.0 24.7 37.1#



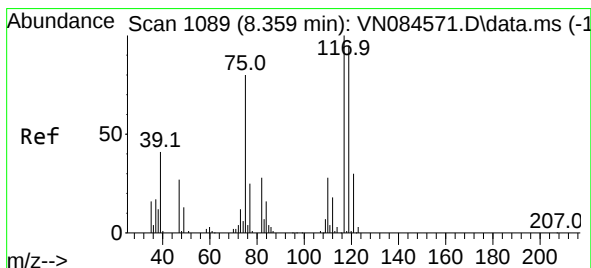
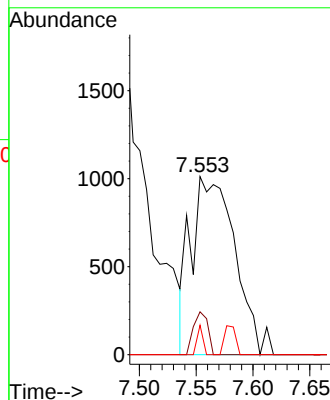
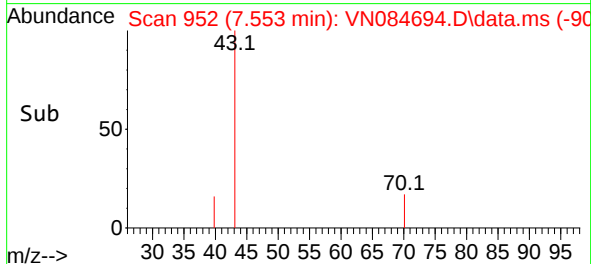


#37
Ethyl Acetate
Concen: 0.984 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

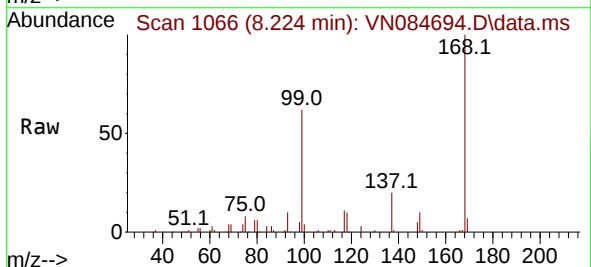
Instrument :
MSVOA_N
ClientSampleId :



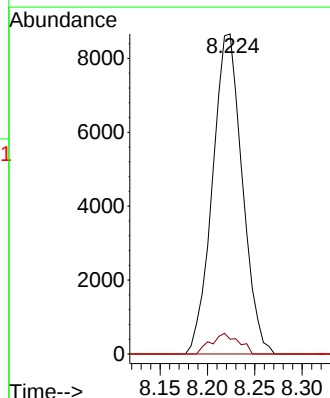
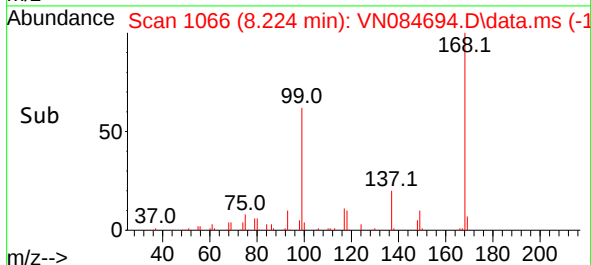
Tgt Ion: 43 Resp: 2719
Ion Ratio Lower Upper
43 100
61 7.9 10.7 16.1#
70 2.2 8.8 13.2#

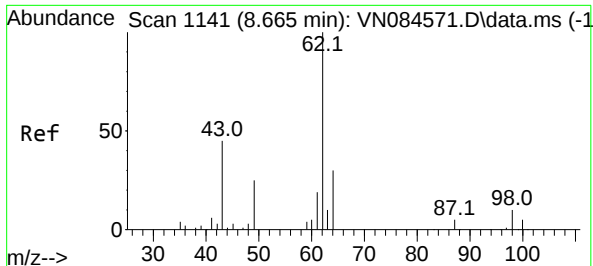


#38
Carbon Tetrachloride
Concen: 5.564 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48



Tgt Ion: 117 Resp: 18944
Ion Ratio Lower Upper
117 100
119 4.6 78.7 118.1#
121 0.0 24.4 36.6#

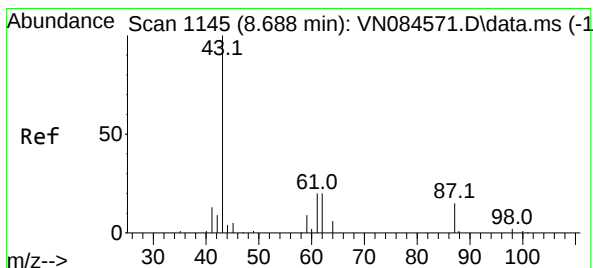
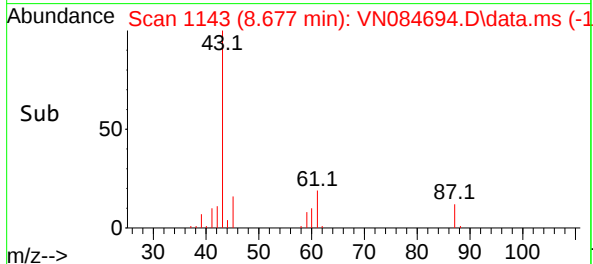
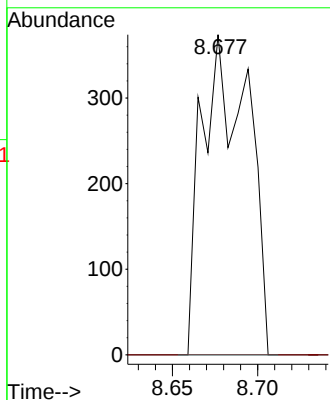
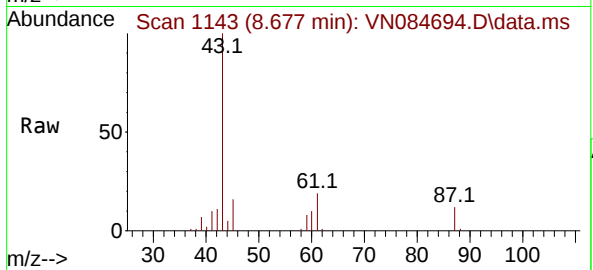




#42
1,2-Dichloroethane
Concen: 0.222 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

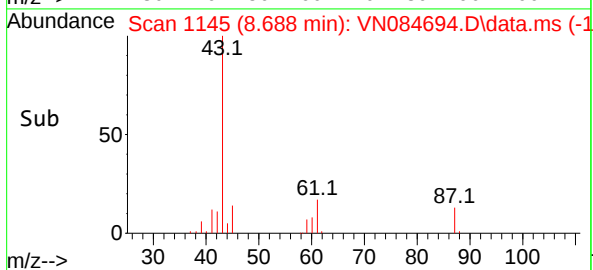
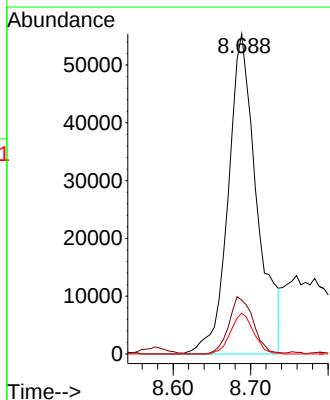
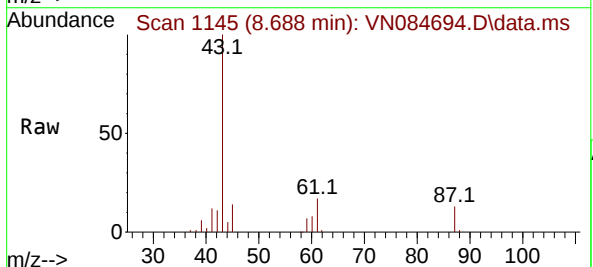
Instrument :
MSVOA_N
ClientSampleId :

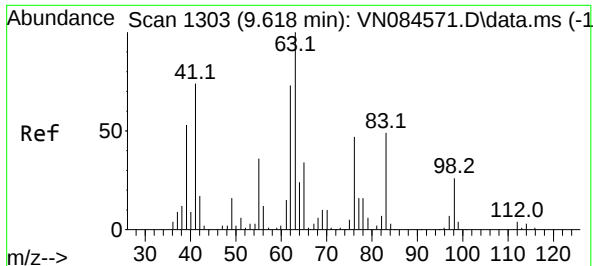
Tgt Ion: 62 Resp: 702
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 27.400 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

Tgt Ion: 43 Resp: 142126
Ion Ratio Lower Upper
43 100
61 15.2 20.4 30.6#
87 10.2 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.466 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN084694.D

Acq: 05 Nov 2024 17:48

Instrument :

MSVOA_N

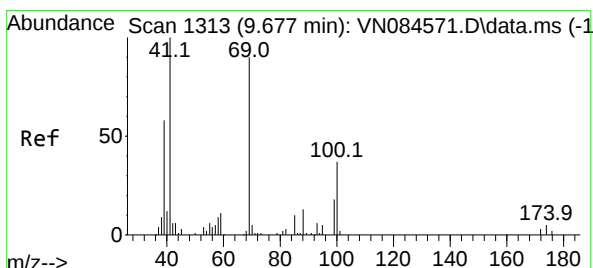
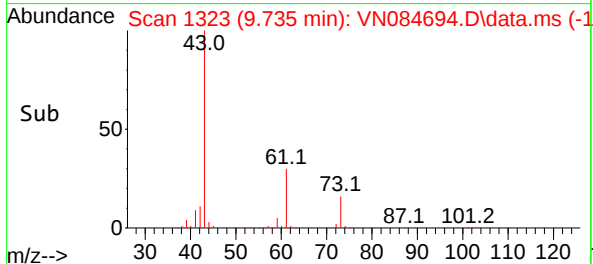
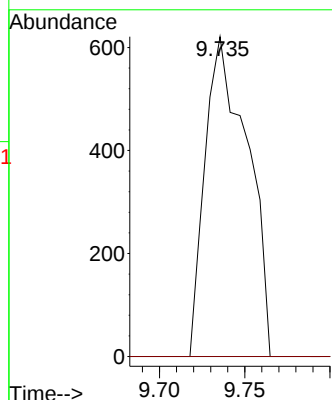
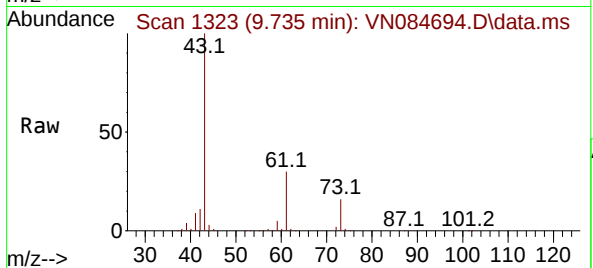
ClientSampleId :

Tgt Ion: 63 Resp: 1070

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.216 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084694.D

Acq: 05 Nov 2024 17:48

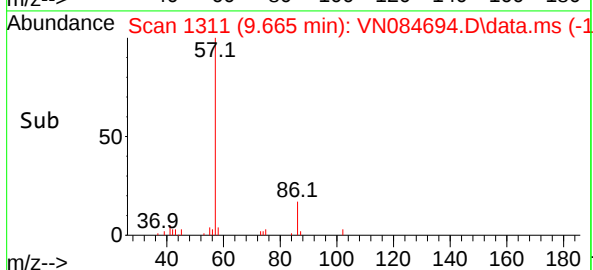
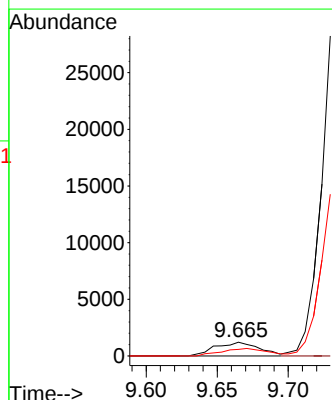
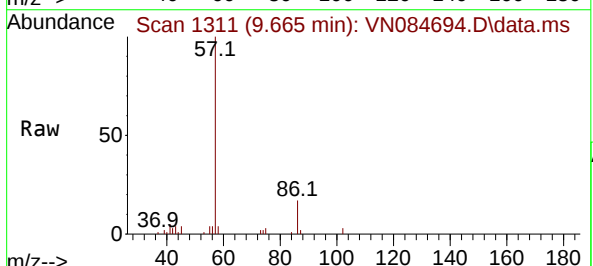
Tgt Ion: 41 Resp: 2616

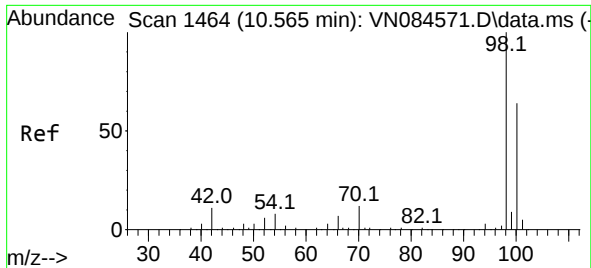
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 55.2 45.8 68.6

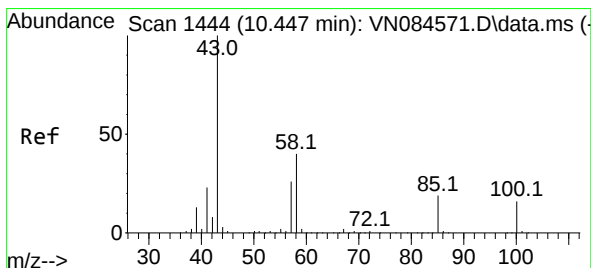
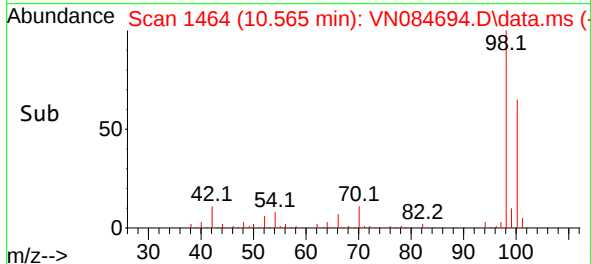
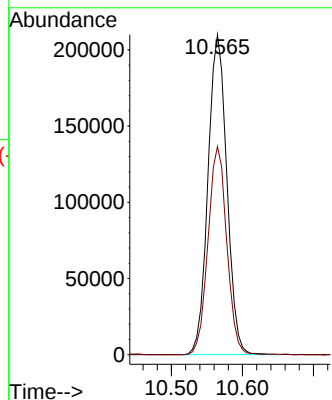
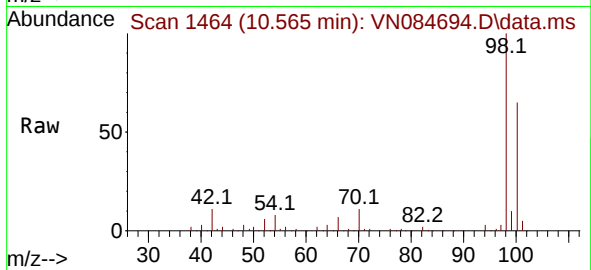




#50
Toluene-d8
Concen: 47.905 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

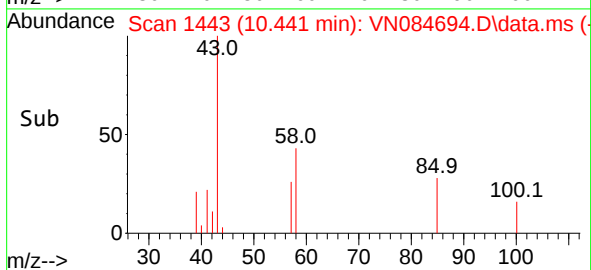
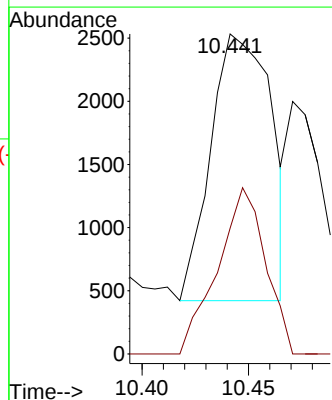
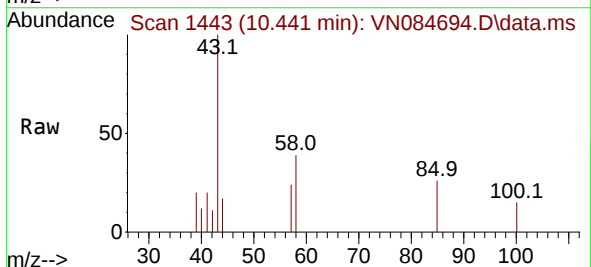
Instrument :
MSVOA_N
ClientSampleId :

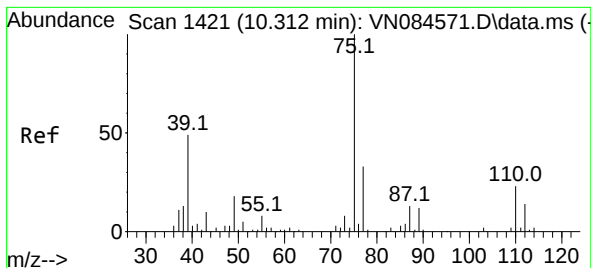
Tgt Ion: 98 Resp: 387590
Ion Ratio Lower Upper
98 100
100 64.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.581 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

Tgt Ion: 43 Resp: 4166
Ion Ratio Lower Upper
43 100
58 49.4 31.6 47.4#

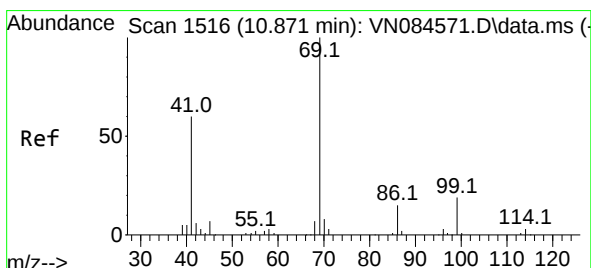
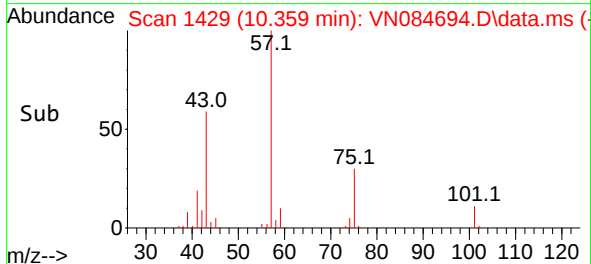
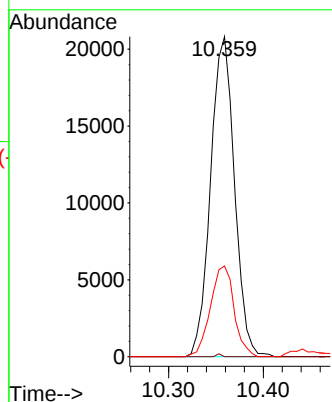
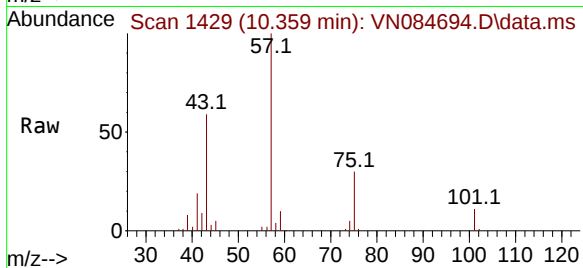




#54
 cis-1,3-Dichloropropene
 Concen: 9.733 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084694.D
 Acq: 05 Nov 2024 17:48

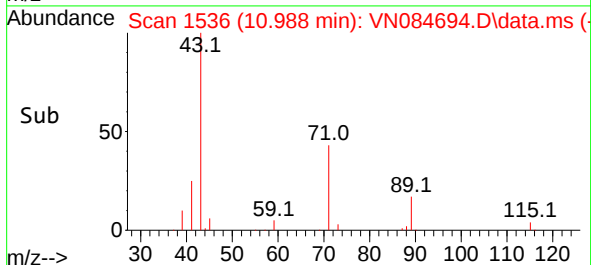
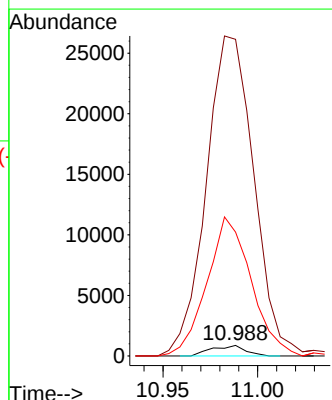
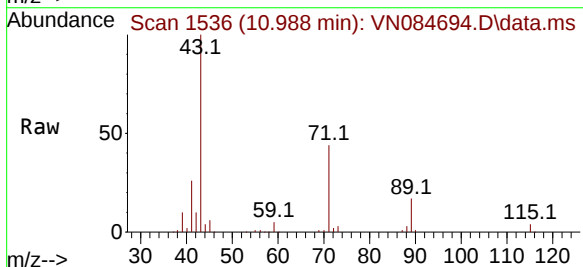
Instrument :
 MSVOA_N
 ClientSampleId :

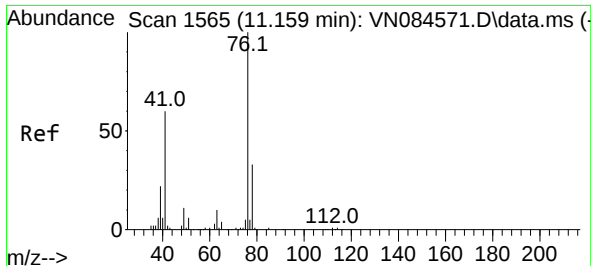
Tgt Ion: 75 Resp: 36396
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 28.3 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.349 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN084694.D
 Acq: 05 Nov 2024 17:48

Tgt Ion: 69 Resp: 1089
 Ion Ratio Lower Upper
 69 100
 41 4281.3 53.3 79.9#
 39 1711.7 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.249 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.047 min MSVOA_N

Lab File: VN084694.D

Acq: 05 Nov 2024 17:48

Instrument :

MSVOA_N

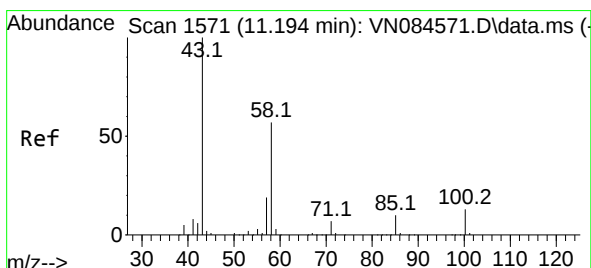
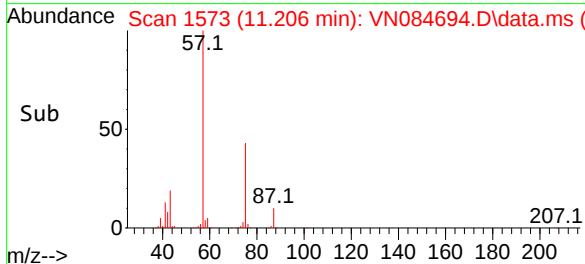
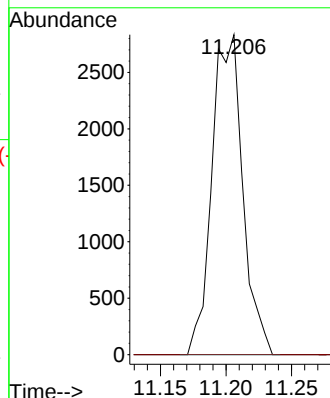
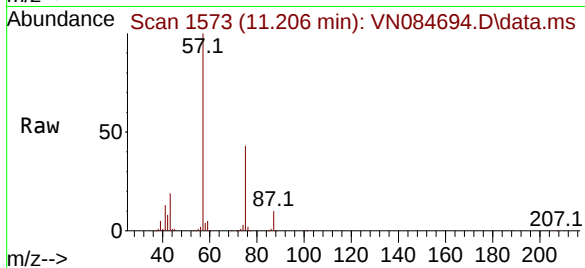
ClientSampleId :

Tgt Ion: 76 Resp: 4620

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 45.188 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN084694.D

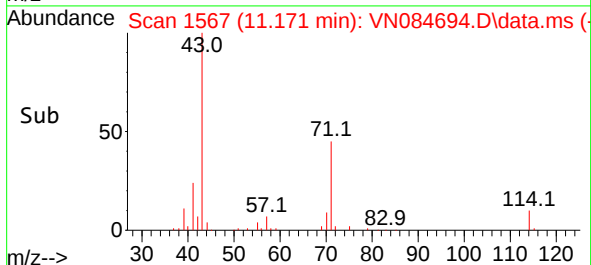
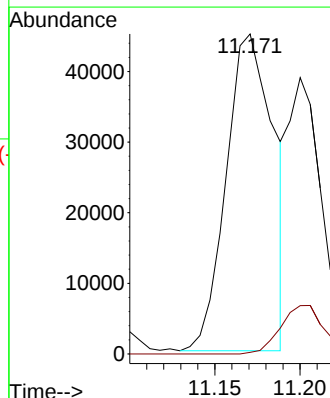
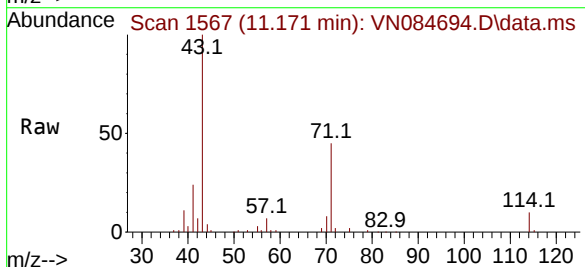
Acq: 05 Nov 2024 17:48

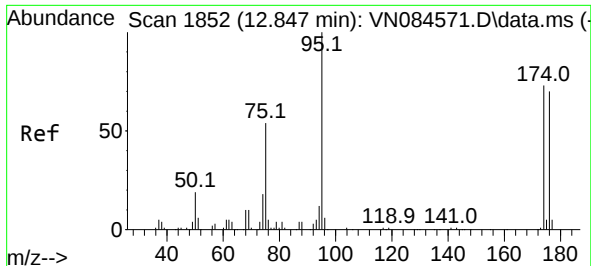
Tgt Ion: 43 Resp: 86659

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

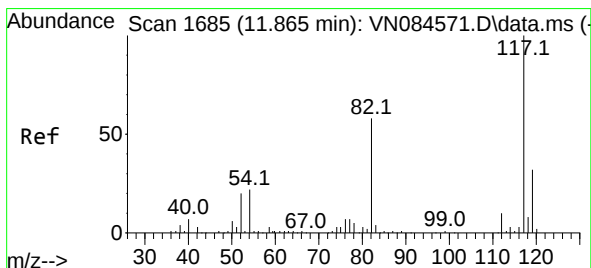
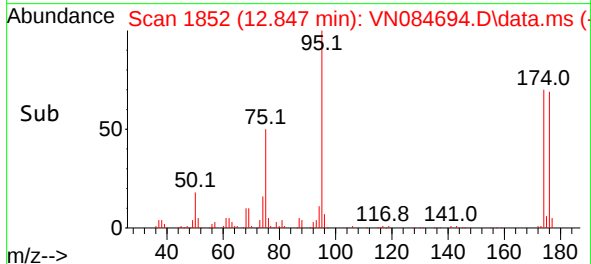
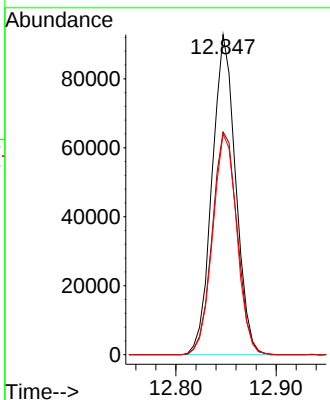
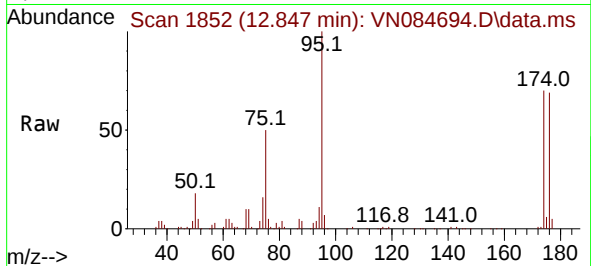




#62
4-Bromofluorobenzene
Concen: 50.079 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

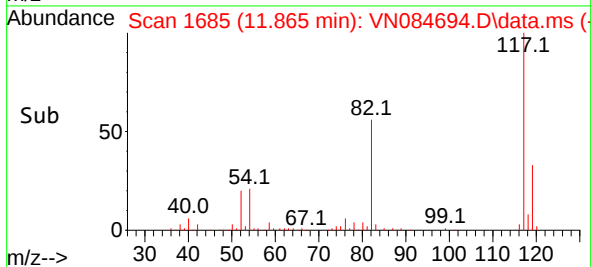
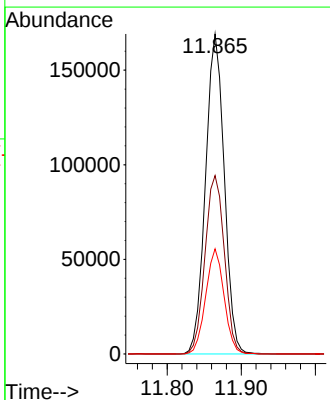
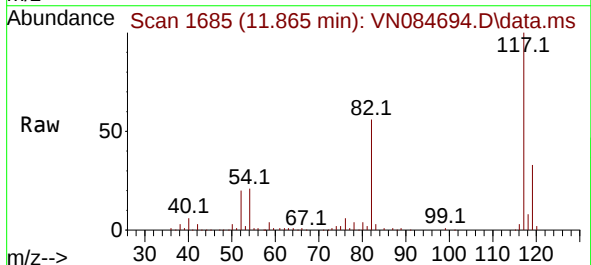
Instrument :
MSVOA_N
ClientSampleId :

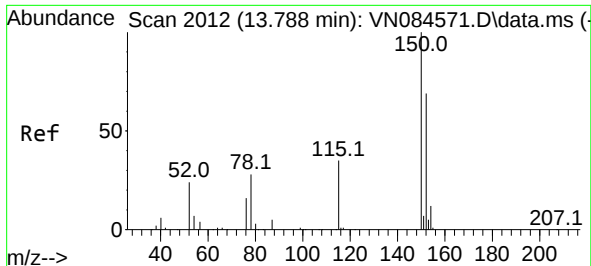
Tgt Ion: 95 Resp: 151431
Ion Ratio Lower Upper
95 100
174 73.8 0.0 145.2
176 70.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

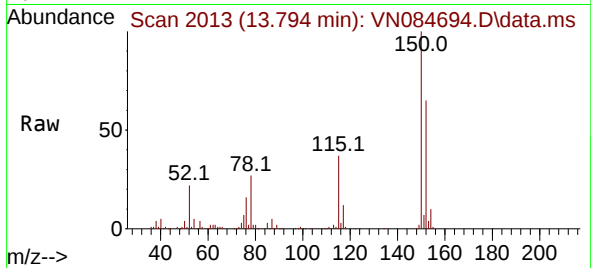
Tgt Ion: 117 Resp: 297241
Ion Ratio Lower Upper
117 100
82 55.7 47.2 70.8
119 32.9 25.4 38.0



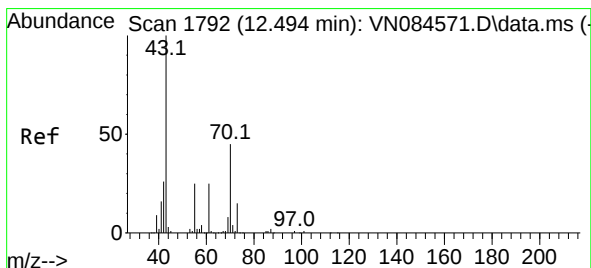
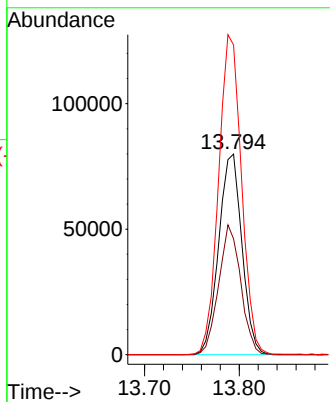
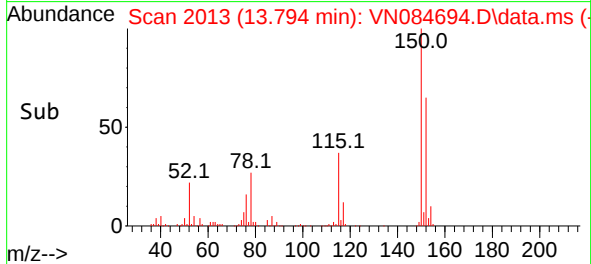


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

Instrument :
MSVOA_N
ClientSampleId :

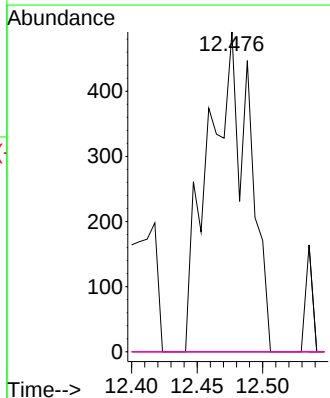
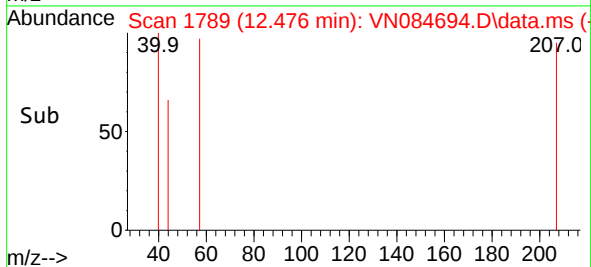
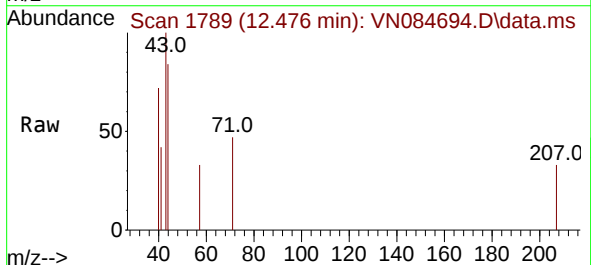


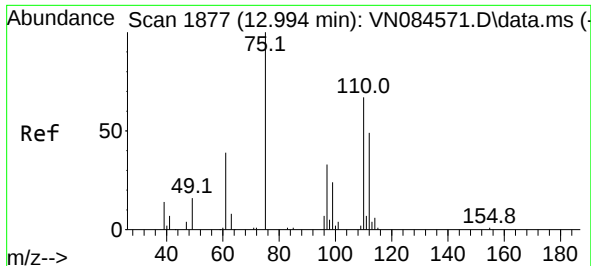
Tgt Ion:152 Resp: 136270
Ion Ratio Lower Upper
152 100
115 61.6 31.3 93.9
150 157.7 0.0 349.8



#74
N-ethyl acetate
Concen: 0.263 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.018 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

Tgt Ion: 43 Resp: 1068
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#

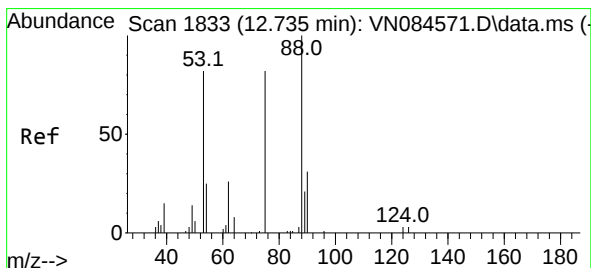
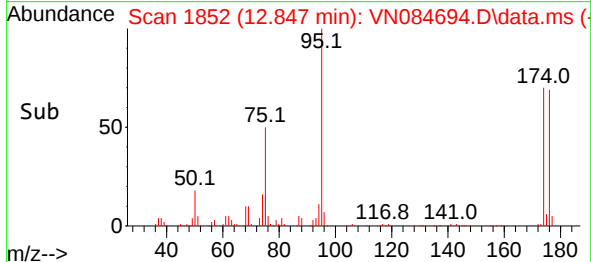
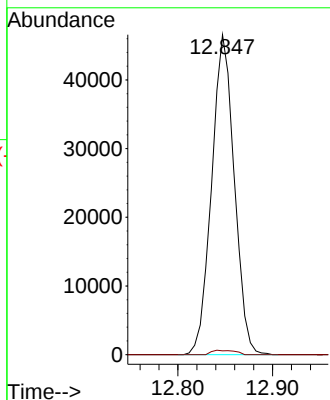
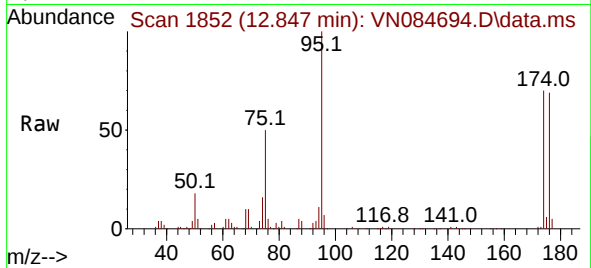




#76
1,2,3-Trichloropropane
Concen: 28.441 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

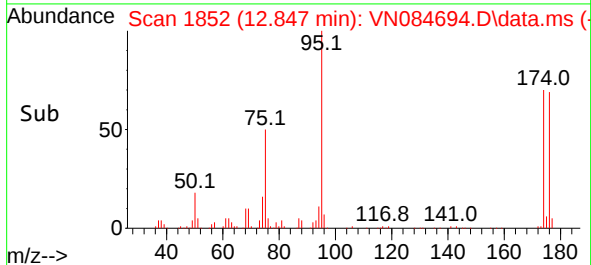
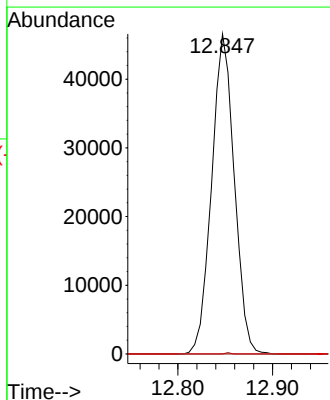
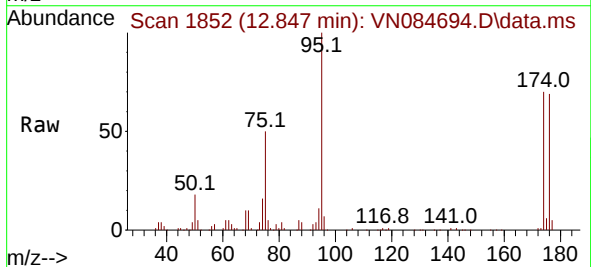
Instrument :
MSVOA_N
ClientSampleId :

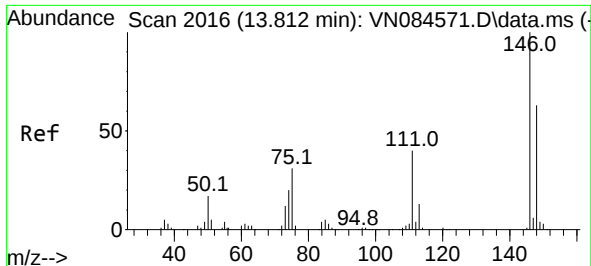
Tgt Ion: 75 Resp: 77473
Ion Ratio Lower Upper
75 100
77 1.4 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.474 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

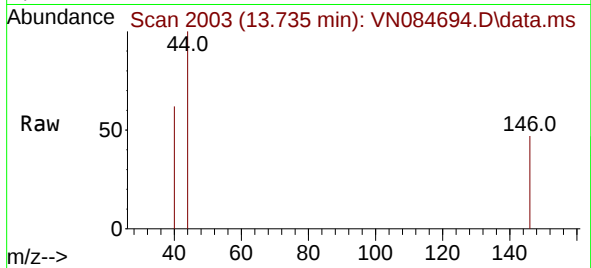
Tgt Ion: 75 Resp: 77473
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 35.5 53.3#



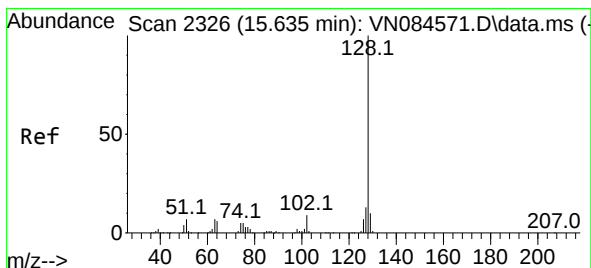
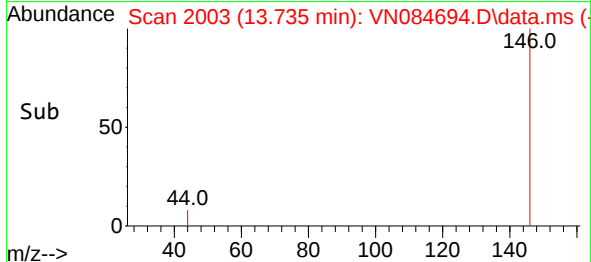
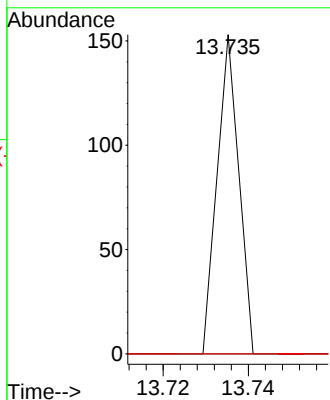


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:146 Resp: 54
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 0.0 31.9 95.9#



#95
Naphthalene
Concen: 13.493 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084694.D
Acq: 05 Nov 2024 17:48

Tgt Ion:128 Resp: 106422
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 11.0 8.7 13.1

