

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
 Data File : VN084490.D
 Acq On : 24 Oct 2024 15:57
 Operator : JC\MD
 Sample : PB164314ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

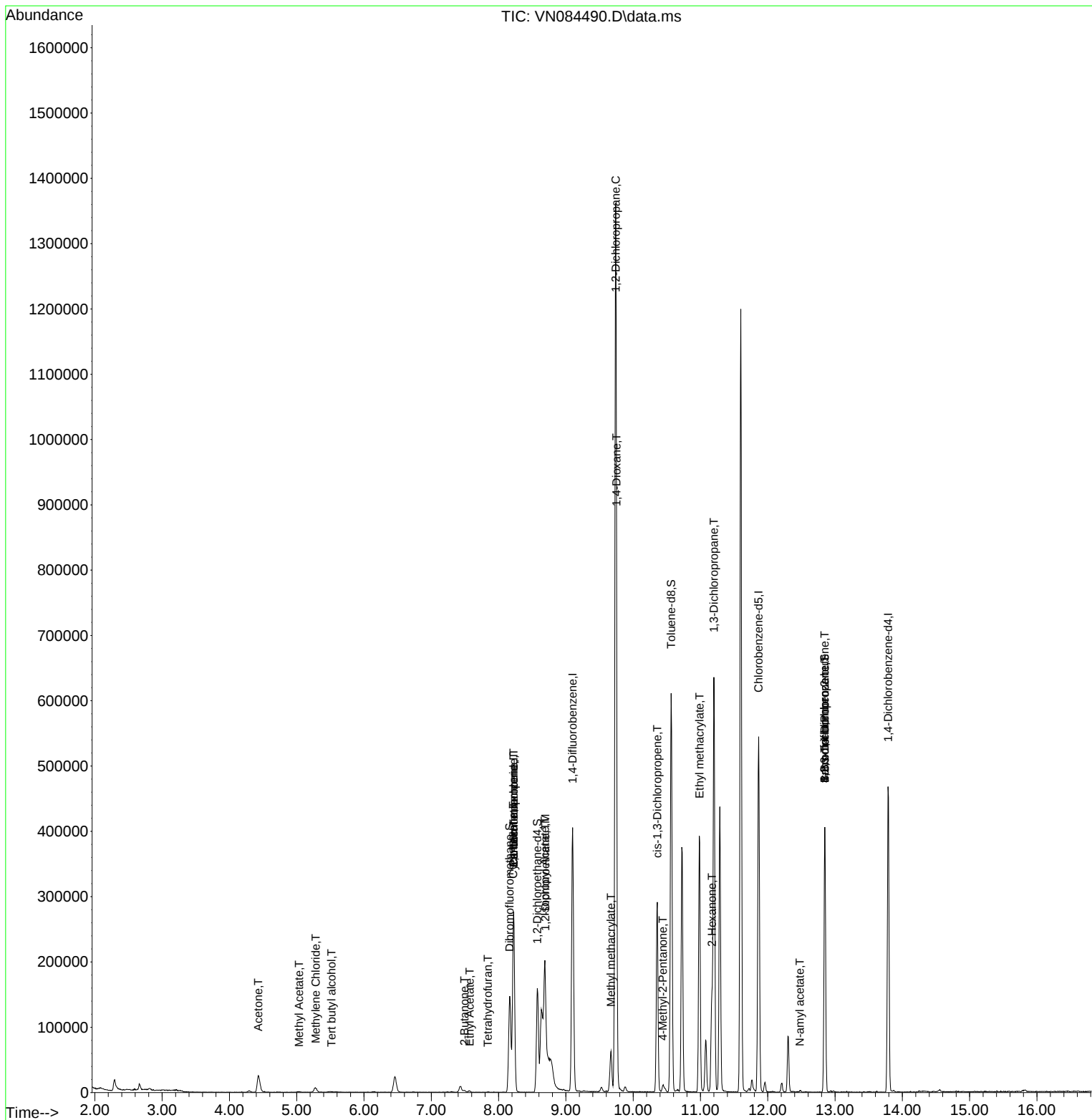
Quant Time: Oct 25 02:02:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

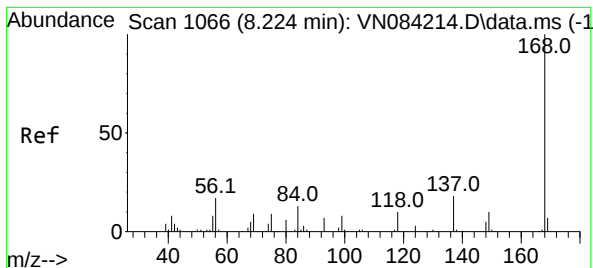
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	194656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	349877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	302998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134648	46.653	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.300%		
35) Dibromofluoromethane	8.165	113	107012	46.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.780%		
50) Toluene-d8	10.565	98	418789	49.349	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.700%		
62) 4-Bromofluorobenzene	12.847	95	143342	46.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.720%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	921	1.935	ug/l #	73
16) Acetone	4.430	43	48535	39.147	ug/l	97
18) Methyl Acetate	5.036	43	2392	0.885	ug/l #	68
20) Methylene Chloride	5.283	84	5268	2.090	ug/l #	76
25) 2-Butanone	7.494	43	5457	3.232	ug/l	98
29) Tetrahydrofuran	7.841	42	569	0.546	ug/l #	41
31) Cyclohexane	8.218	56	4411	1.032	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16362	4.884	ug/l #	51
37) Ethyl Acetate	7.571	43	3862	1.124	ug/l #	75
38) Carbon Tetrachloride	8.224	117	21321	5.801	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	1591	0.450	ug/l #	75
43) Isopropyl Acetate	8.688	43	200749	29.818	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	1874	0.759	ug/l #	44
48) Methyl methacrylate	9.671	41	4056	1.513	ug/l #	40
49) 1,4-Dioxane	9.753	88	95	1.925	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	12001	3.668	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	53104	13.082	ug/l #	59
56) Ethyl methacrylate	10.988	69	1199	0.319	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6620	1.623	ug/l #	42
59) 2-Hexanone	11.171	43	130235	53.252	ug/l #	24
71) Bromoform	12.847	173	828	0.486	ug/l #	1
74) N-amyl acetate	12.476	43	1674	0.389	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	76253	30.025	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76253	71.984	ug/l #	11

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

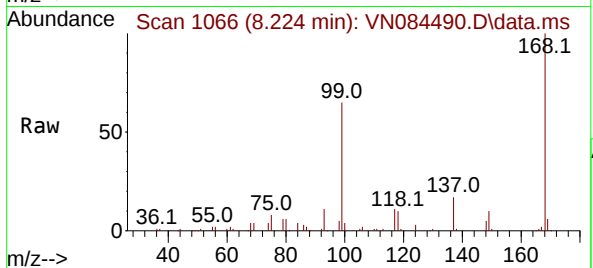
Quant Time: Oct 25 02:02:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



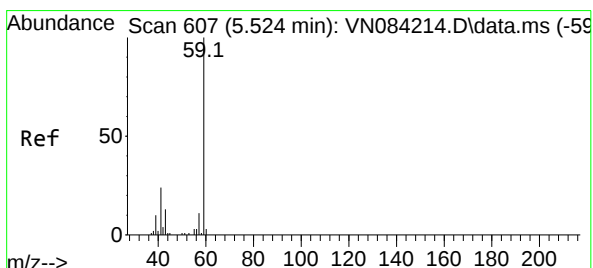
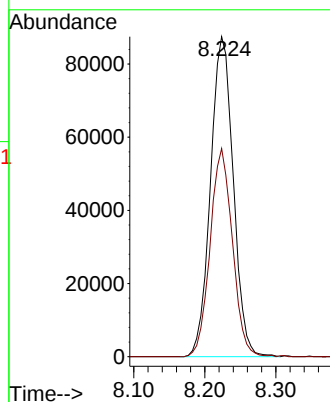
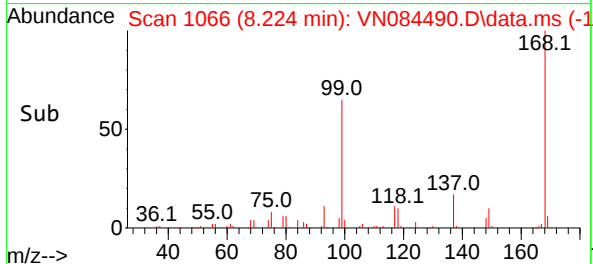


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

Instrument :
MSVOA_N
ClientSampleId :

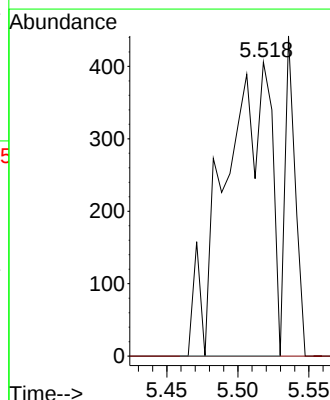
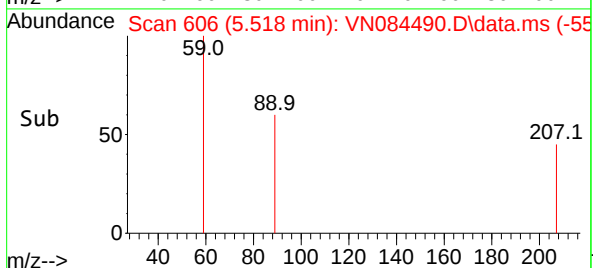
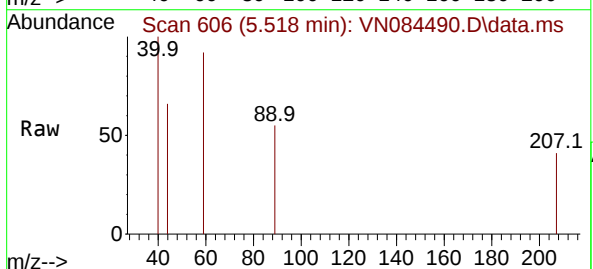


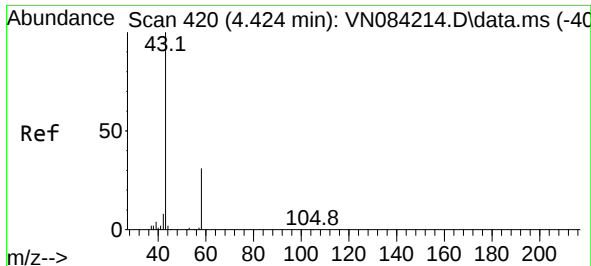
Tgt Ion:168 Resp: 194656
Ion Ratio Lower Upper
168 100
99 65.0 54.2 81.2



#11
Tert butyl alcohol
Concen: 1.935 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

Tgt Ion: 59 Resp: 921
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

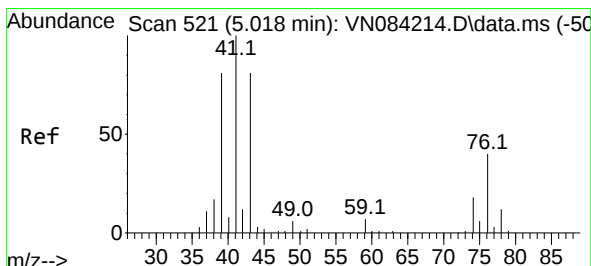
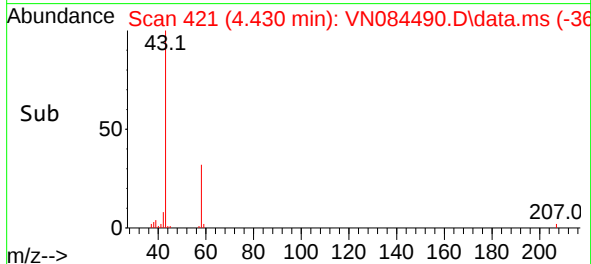
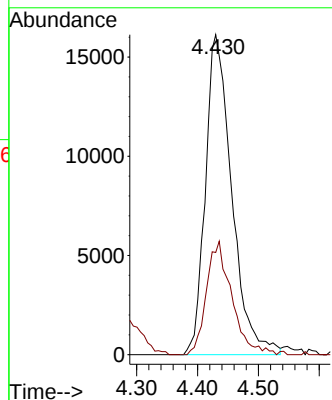
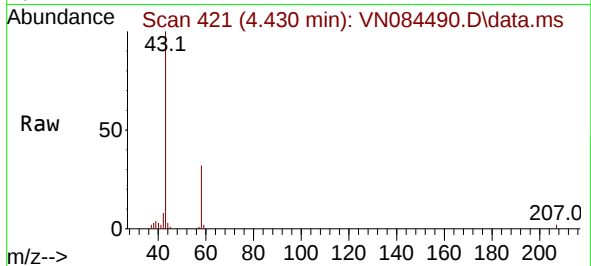




#16
Acetone
Concen: 39.147 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

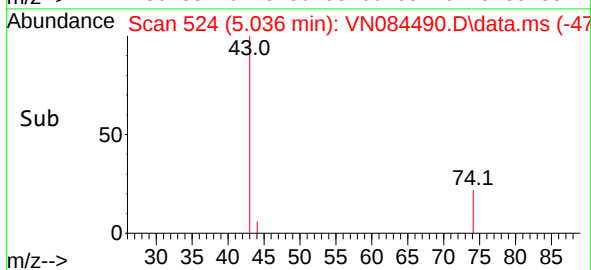
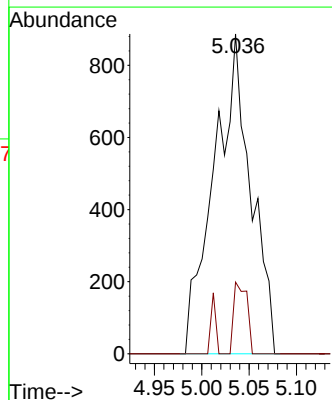
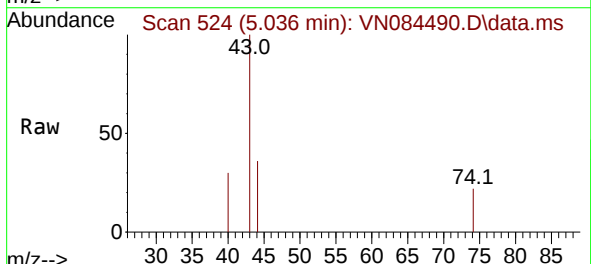
Instrument :
MSVOA_N
ClientSampleId :

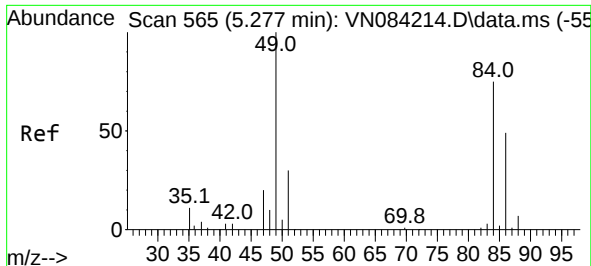
Tgt Ion: 43 Resp: 48535
Ion Ratio Lower Upper
43 100
58 32.0 24.4 36.6



#18
Methyl Acetate
Concen: 0.885 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

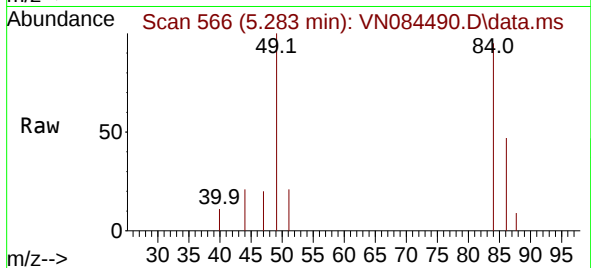
Tgt Ion: 43 Resp: 2392
Ion Ratio Lower Upper
43 100
74 8.1 19.2 28.8#





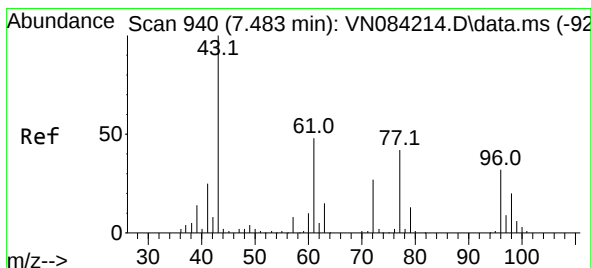
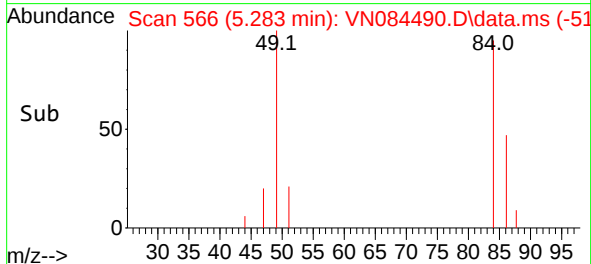
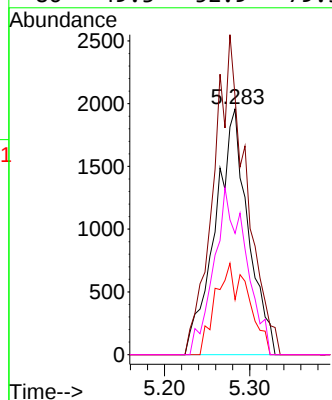
#20
Methylene Chloride
Concen: 2.090 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 5268

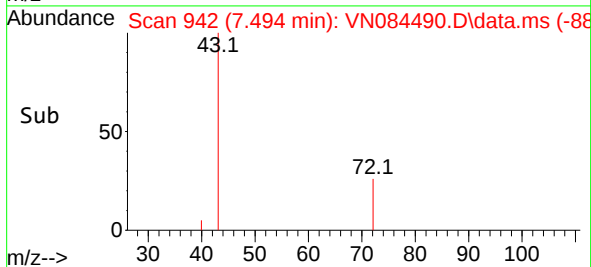
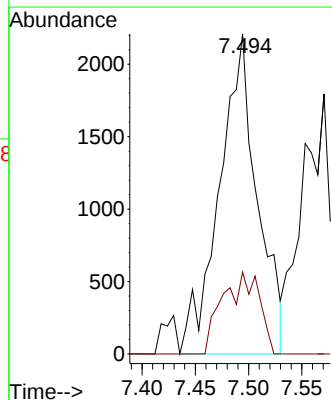
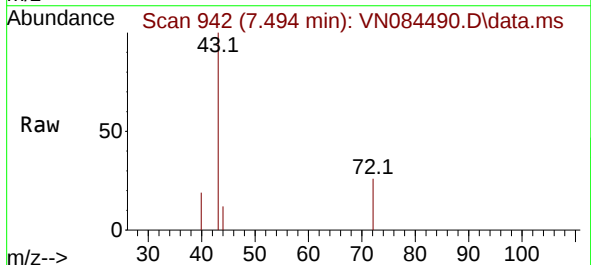
Ion	Ratio	Lower	Upper
84	100		
49	104.9	107.2	160.8#
51	22.4	31.8	47.8#
86	49.3	52.9	79.3#

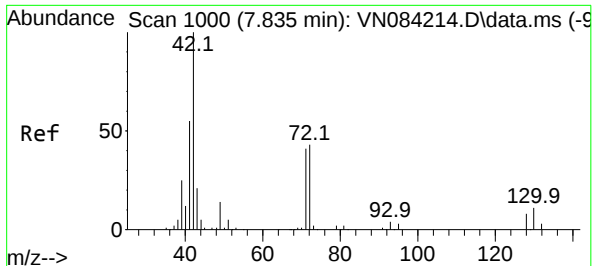


#25
2-Butanone
Concen: 3.232 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

Tgt Ion: 43 Resp: 5457

Ion	Ratio	Lower	Upper
43	100		
72	25.6	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.546 ug/l

RT: 7.841 min Scan# 1065

Delta R.T. 0.006 min

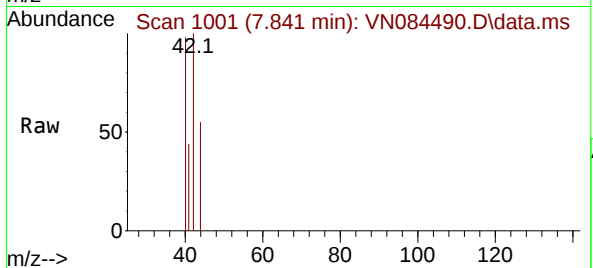
Lab File: VN084490.D

Acq: 24 Oct 2024 15:57

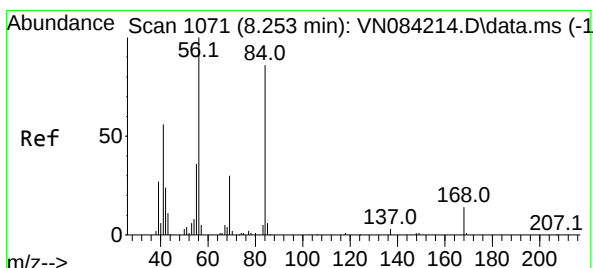
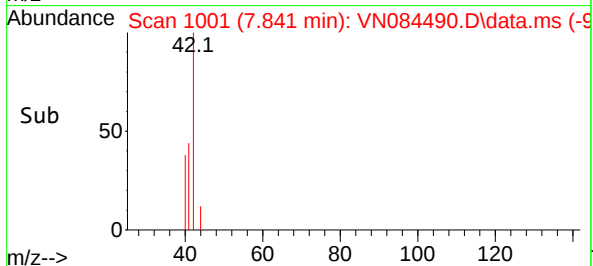
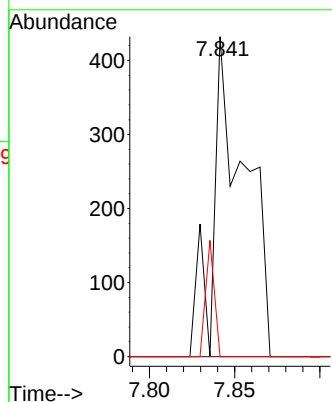
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	569
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	9.7	32.2	48.4#



#31

Cyclohexane

Concen: 1.032 ug/l

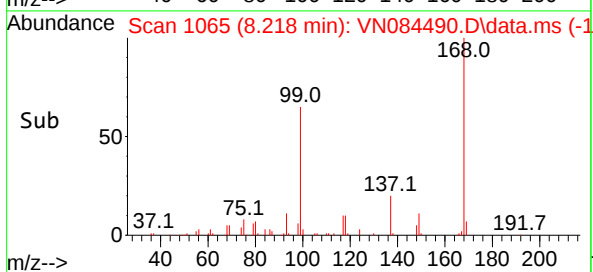
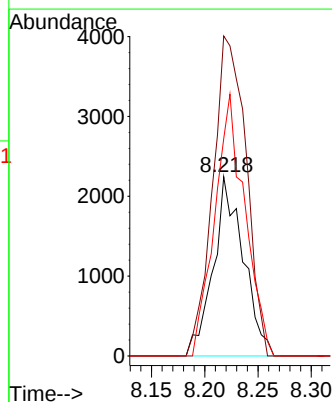
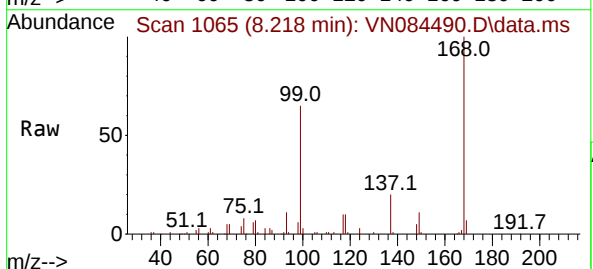
RT: 8.218 min Scan# 1065

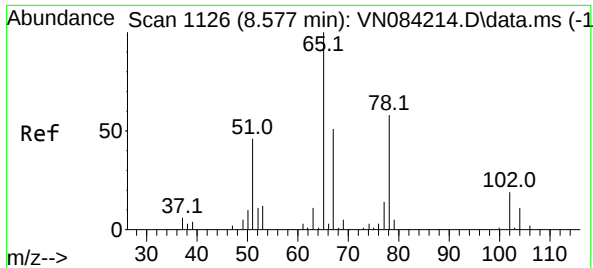
Delta R.T. -0.035 min

Lab File: VN084490.D

Acq: 24 Oct 2024 15:57

Tgt Ion:	56	Resp:	4411
Ion	Ratio	Lower	Upper
56	100		
69	178.6	23.8	35.6#
84	121.3	68.8	103.2#

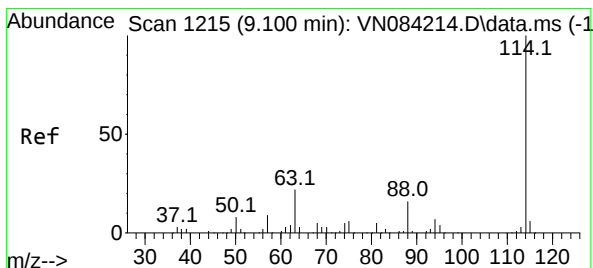
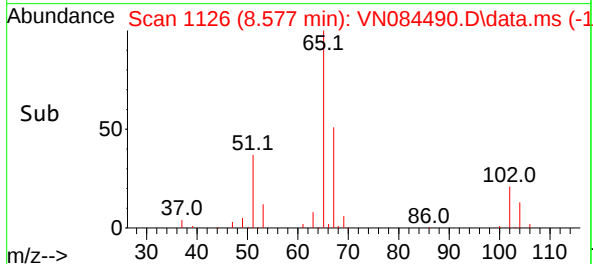
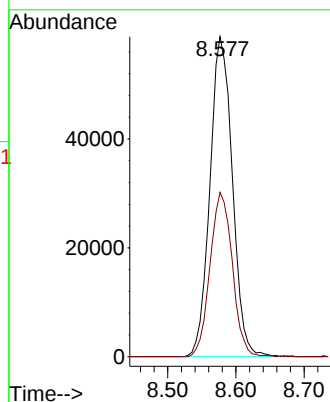
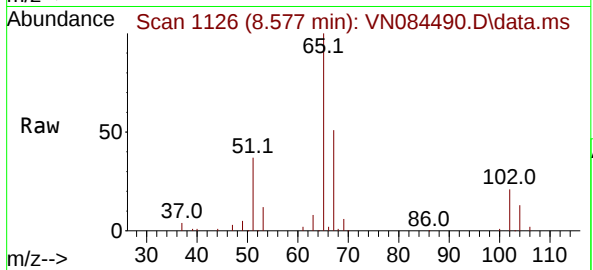




#33
 1,2-Dichloroethane-d4
 Concen: 46.653 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN084490.D
 Acq: 24 Oct 2024 15:57

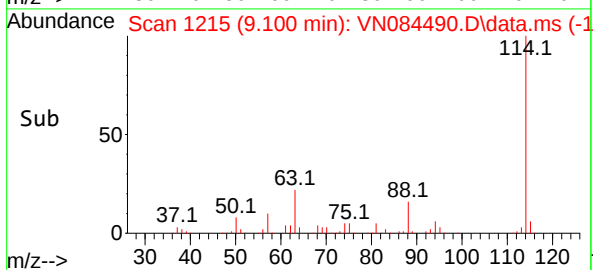
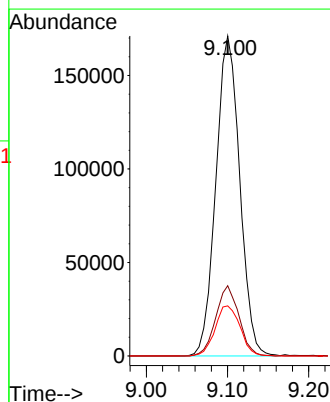
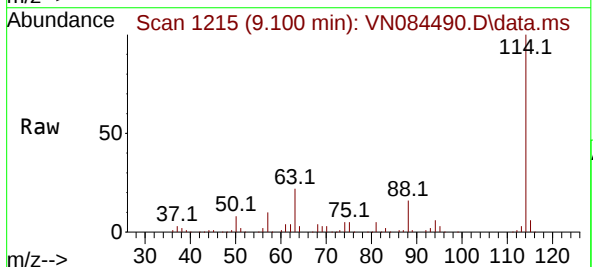
Instrument :
 MSVOA_N
 ClientSampleId :

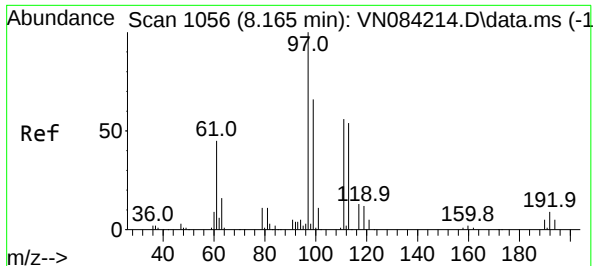
Tgt Ion: 65 Resp: 134648
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084490.D
 Acq: 24 Oct 2024 15:57

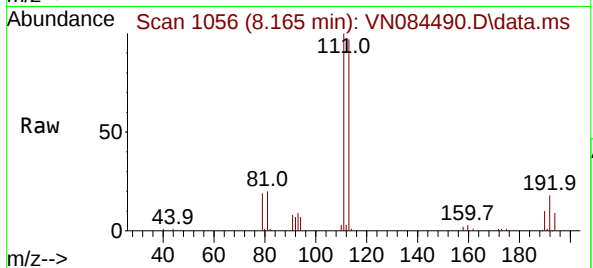
Tgt Ion: 114 Resp: 349877
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 15.7 0.0 31.6



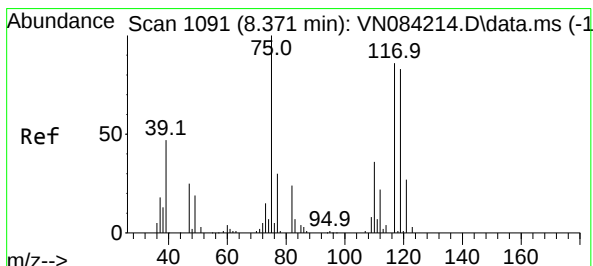
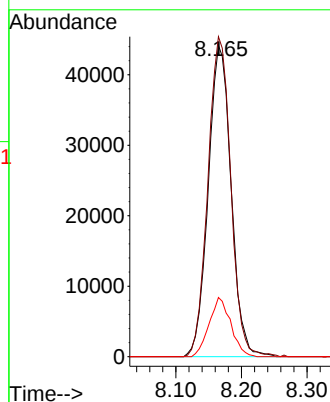
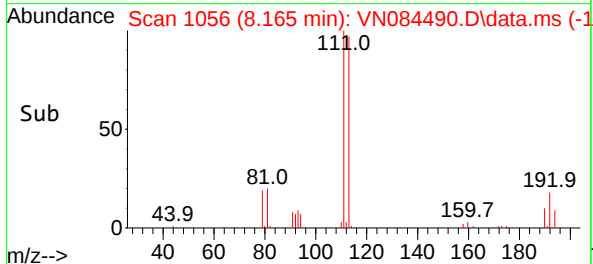


#35
Dibromofluoromethane
Concen: 46.394 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

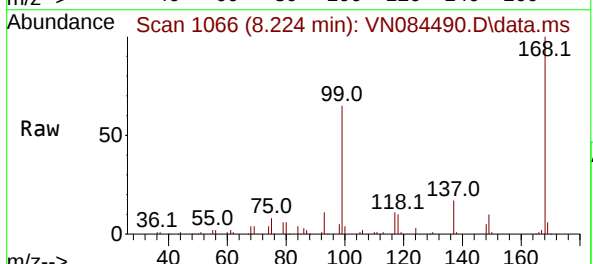
Instrument :
MSVOA_N
ClientSampleId :



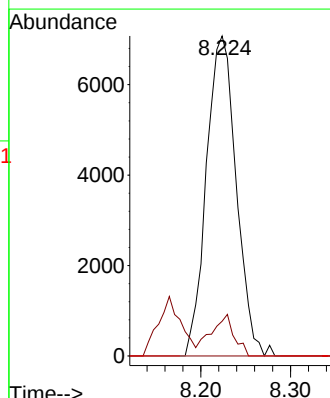
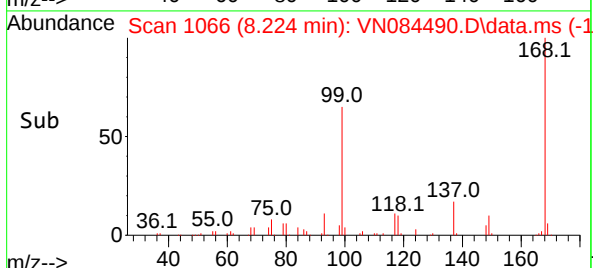
Tgt Ion:113 Resp: 107012
Ion Ratio Lower Upper
113 100
111 102.7 83.3 124.9
192 18.0 13.5 20.3

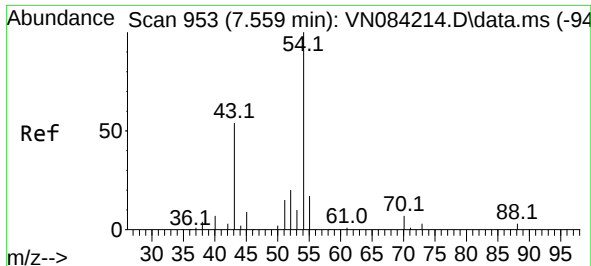


#36
1,1-Dichloropropene
Concen: 4.884 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57



Tgt Ion: 75 Resp: 16362
Ion Ratio Lower Upper
75 100
110 10.1 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.124 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

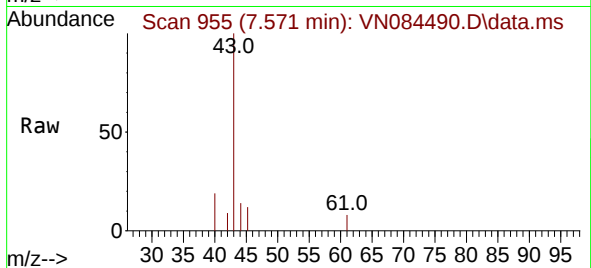
Lab File: VN084490.D

Acq: 24 Oct 2024 15:57

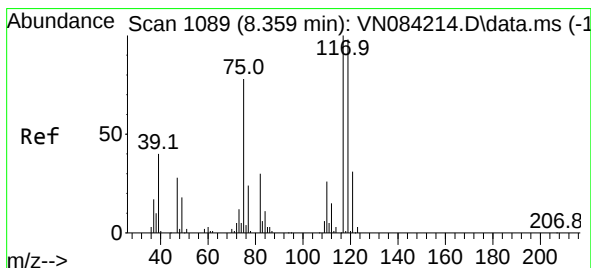
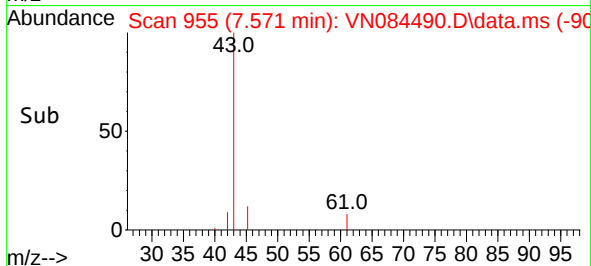
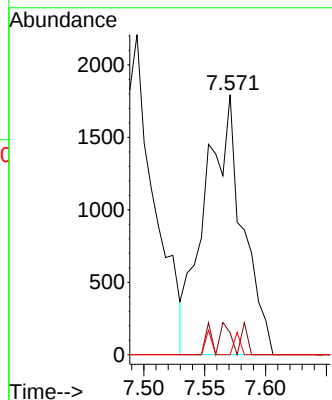
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3862
Ion	Ratio	Lower	Upper
43	100		
61	3.4	10.7	16.1#
70	1.4	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.801 ug/l

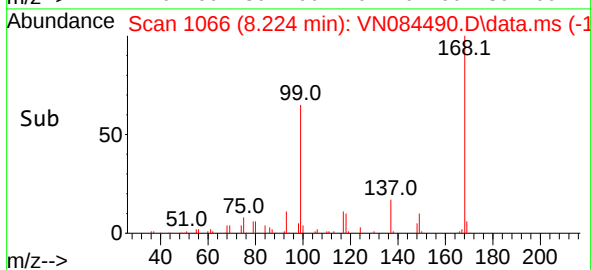
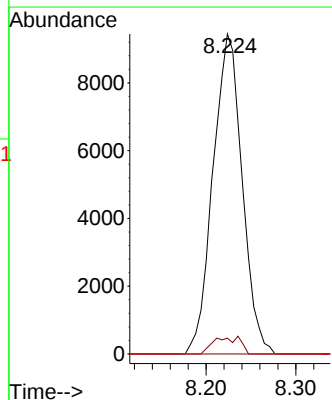
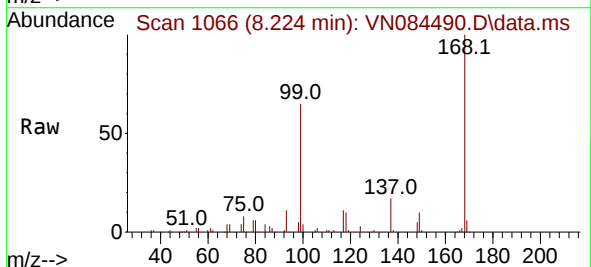
RT: 8.224 min Scan# 1066

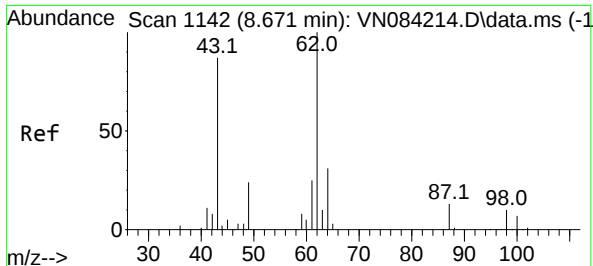
Delta R.T. -0.135 min

Lab File: VN084490.D

Acq: 24 Oct 2024 15:57

Tgt Ion:	117	Resp:	21321
Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.7	118.1#
121	0.0	24.4	36.6#





#42

1,2-Dichloroethane

Concen: 0.450 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN084490.D

Acq: 24 Oct 2024 15:57

Instrument :

MSVOA_N

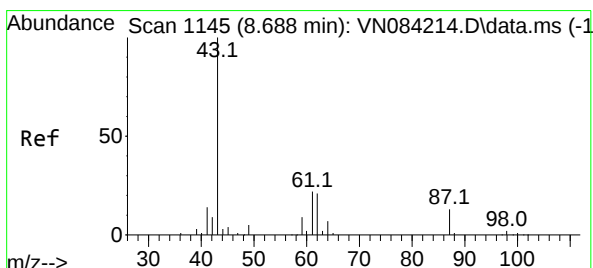
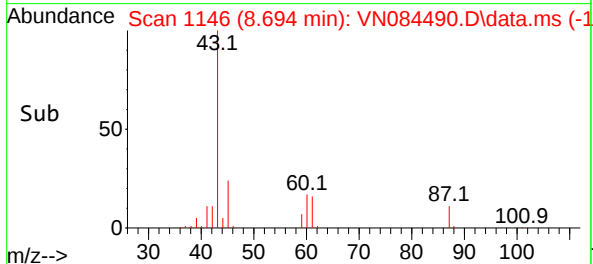
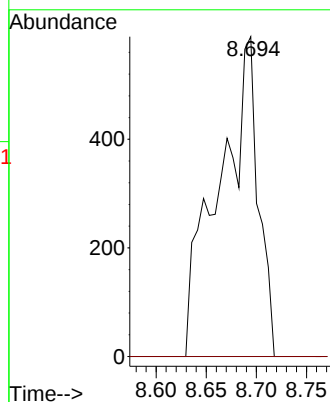
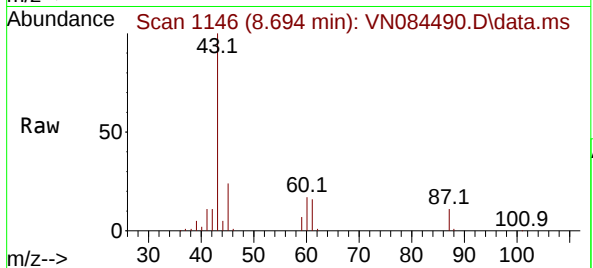
ClientSampleId :

Tgt Ion: 62 Resp: 1591

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 29.818 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084490.D

Acq: 24 Oct 2024 15:57

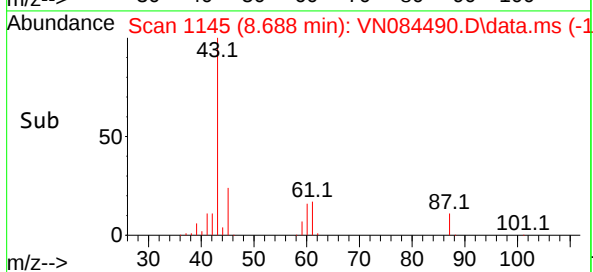
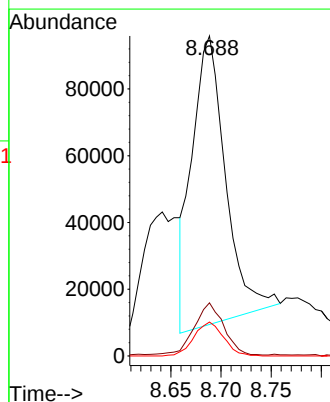
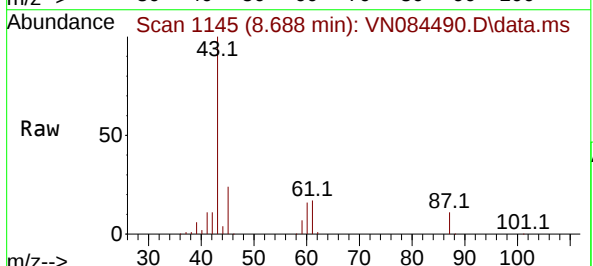
Tgt Ion: 43 Resp: 200749

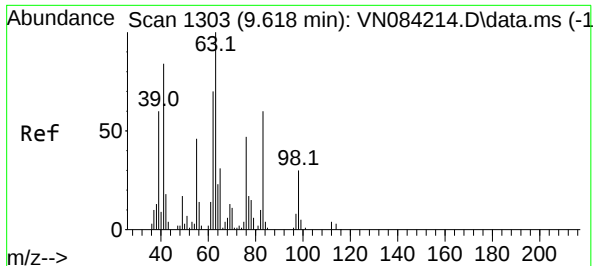
Ion Ratio Lower Upper

43 100

61 16.2 20.4 30.6#

87 10.4 10.3 15.5

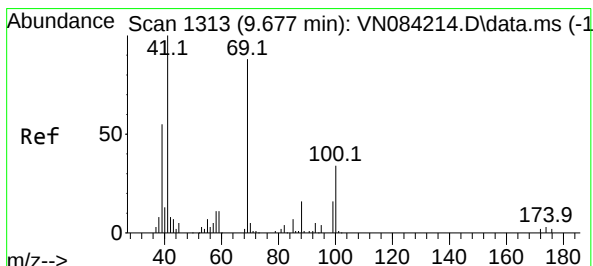
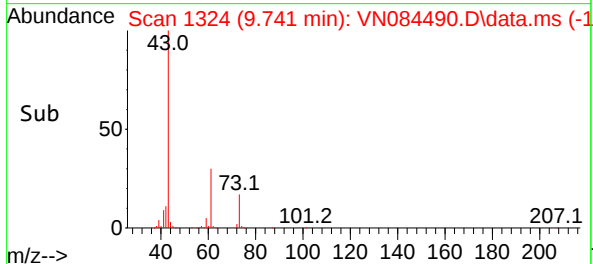
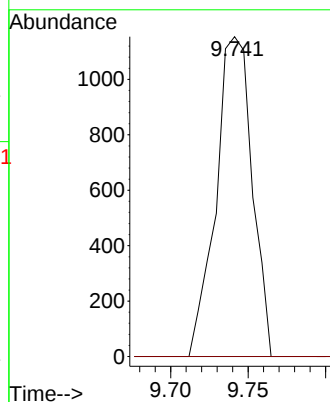
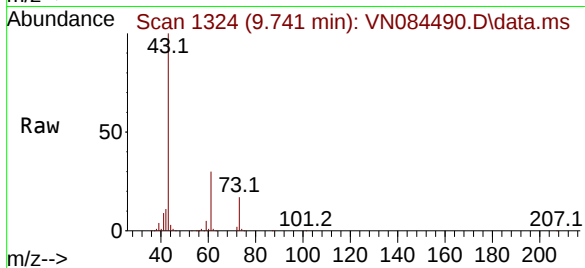




#45
1,2-Dichloropropane
Concen: 0.759 ug/l
RT: 9.741 min Scan# 1312
Delta R.T. 0.124 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

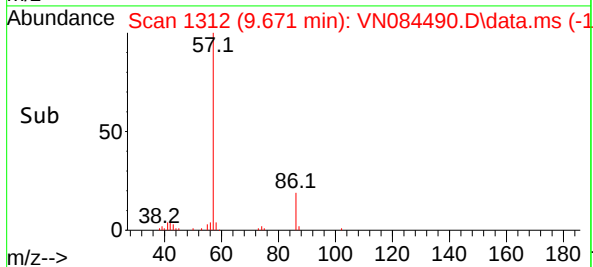
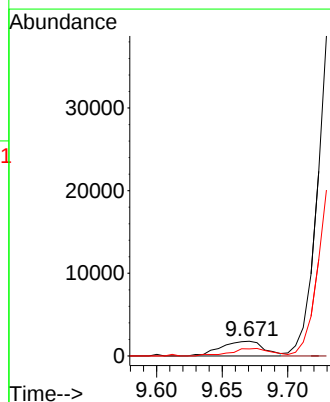
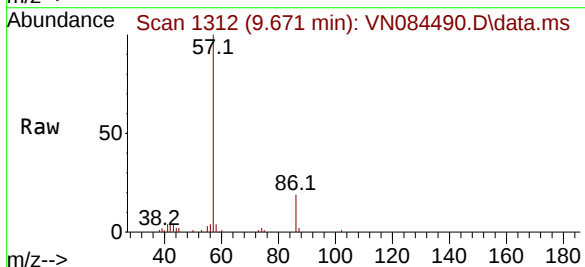
Instrument :
MSVOA_N
ClientSampleId :

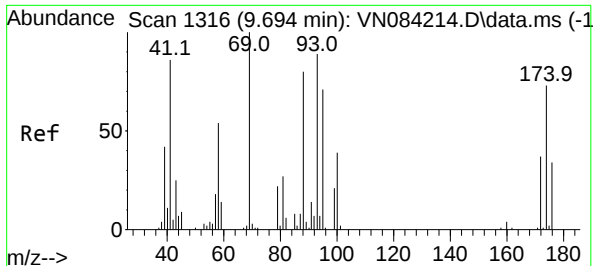
Tgt Ion: 63 Resp: 1874
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.513 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

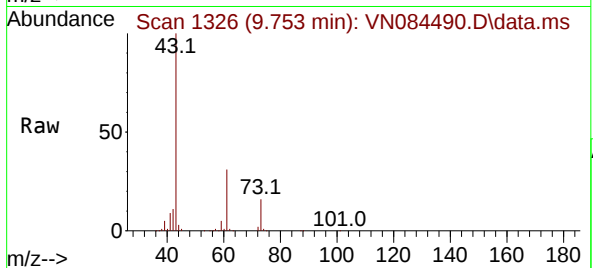
Tgt Ion: 41 Resp: 4056
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 48.5 45.8 68.6



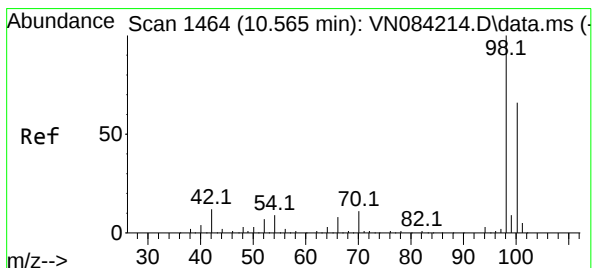
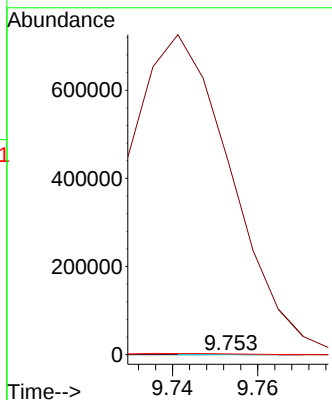
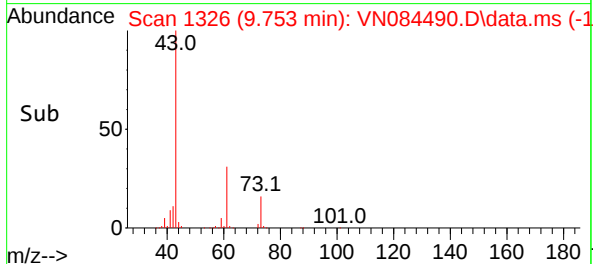


#49
1,4-Dioxane
Concen: 1.925 ug/l
RT: 9.753 min Scan# 1316
Delta R.T. 0.059 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

Instrument :
MSVOA_N
ClientSampleId :

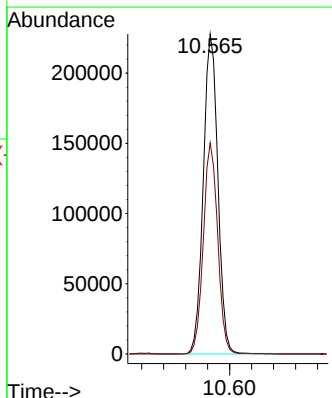
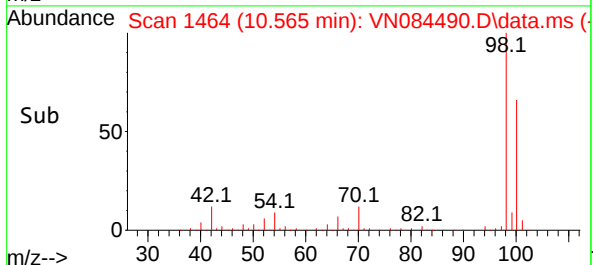
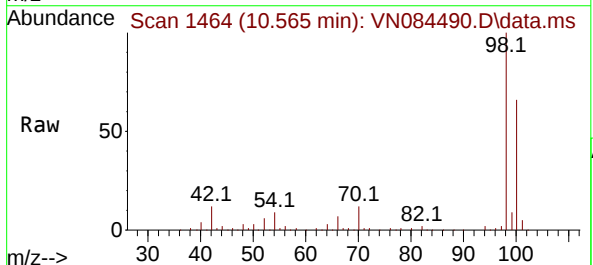


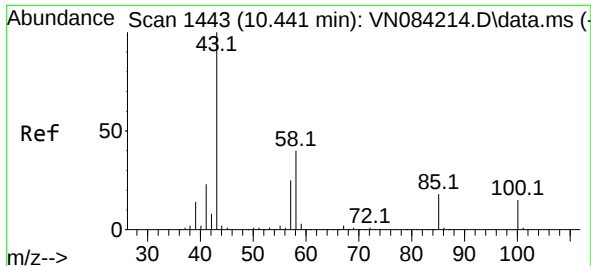
Tgt Ion: 88 Resp: 95
Ion Ratio Lower Upper
88 100
43 1369031.6 25.3 37.9#
58 5665.3 56.4 84.6#



#50
Toluene-d8
Concen: 49.349 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

Tgt Ion: 98 Resp: 418789
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1

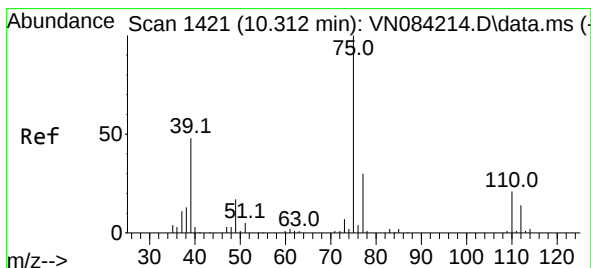
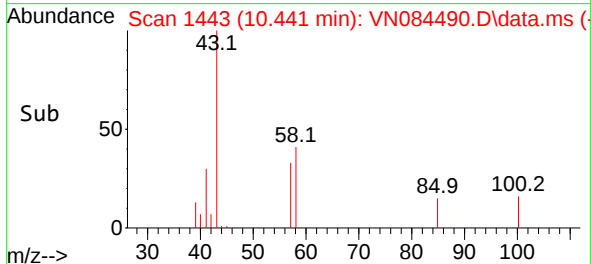
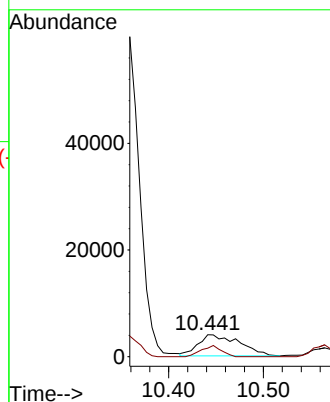
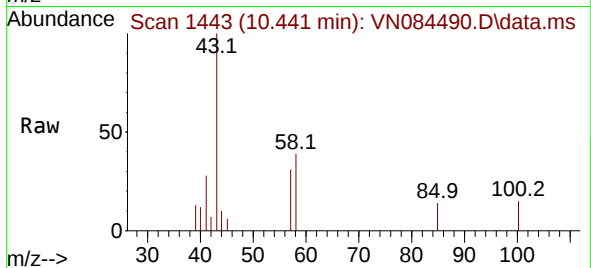




#51
4-Methyl-2-Pentanone
Concen: 3.668 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

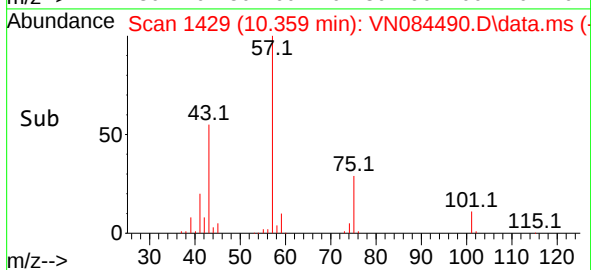
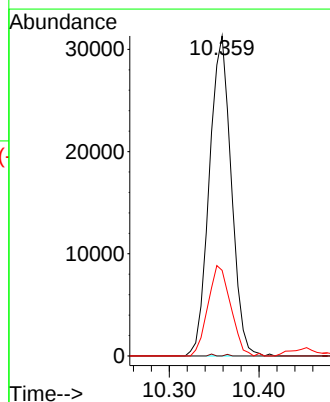
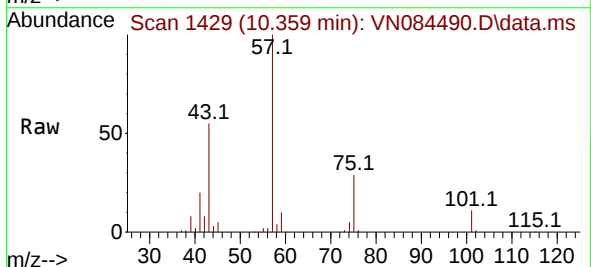
Instrument :
MSVOA_N
ClientSampleId :

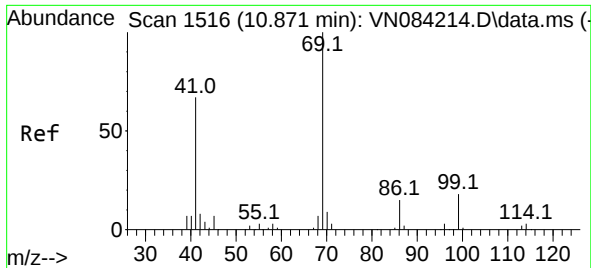
Tgt Ion: 43 Resp: 12001
Ion Ratio Lower Upper
43 100
58 25.9 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 13.082 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

Tgt Ion: 75 Resp: 53104
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 26.7 38.7 58.1#

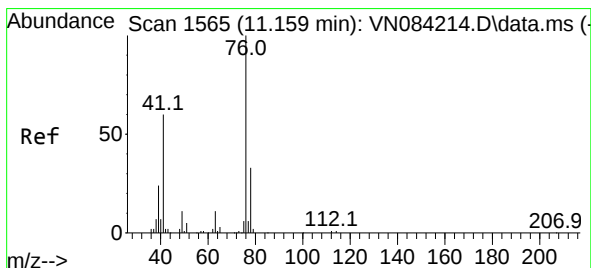
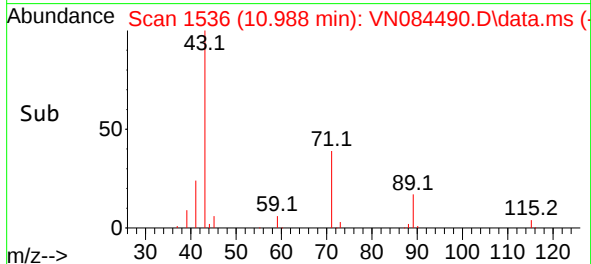
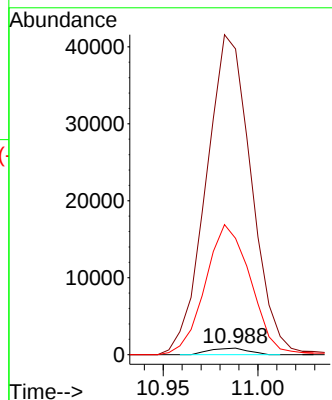
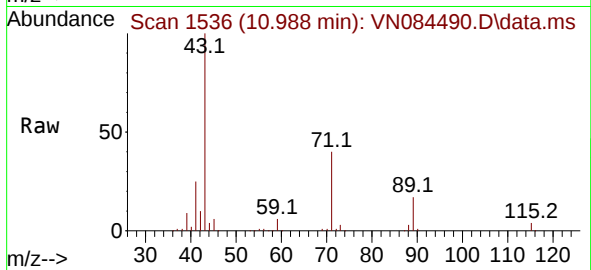




#56
Ethyl methacrylate
Concen: 0.319 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

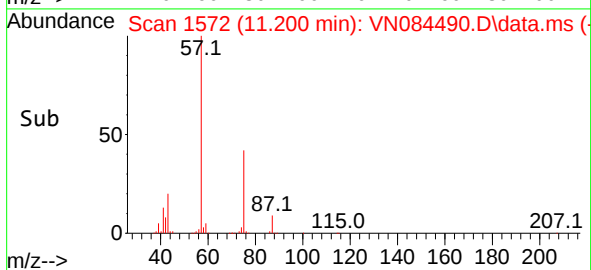
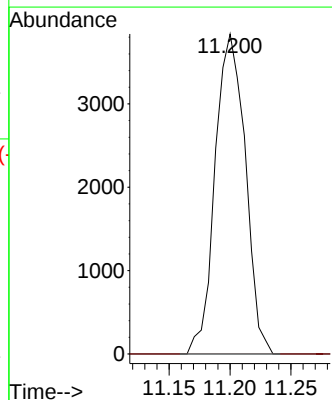
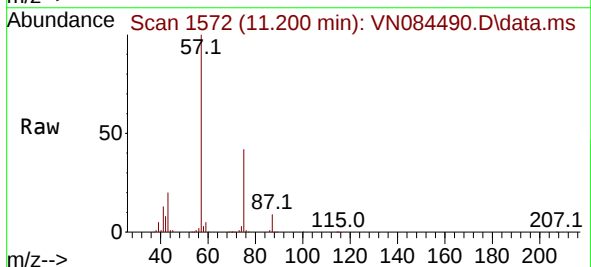
Instrument :
MSVOA_N
ClientSampleId :

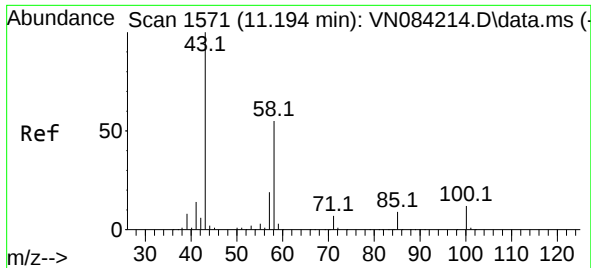
Tgt Ion: 69 Resp: 1199
Ion Ratio Lower Upper
69 100
41 5767.4 53.3 79.9#
39 2362.5 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.623 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

Tgt Ion: 76 Resp: 6620
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

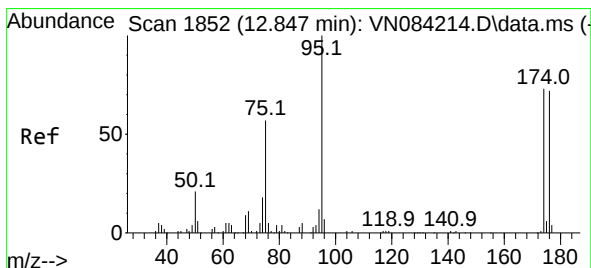
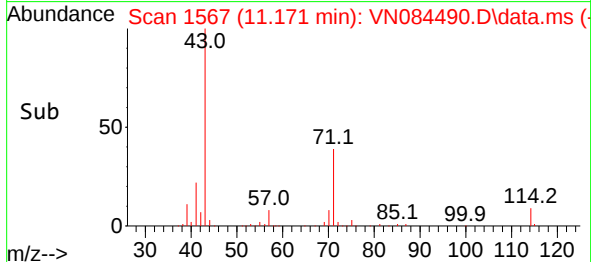
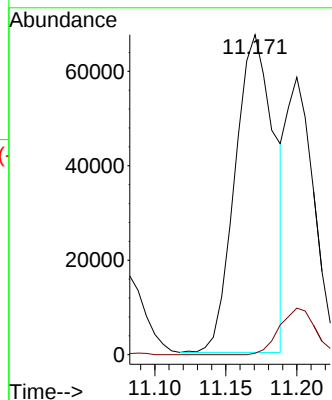
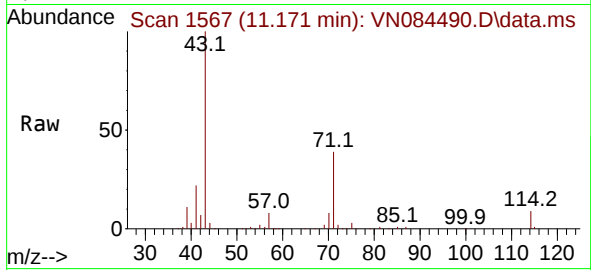




#59
2-Hexanone
Concen: 53.252 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

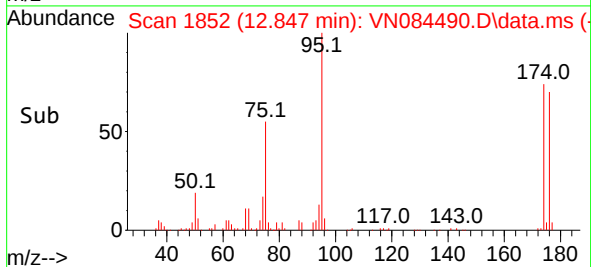
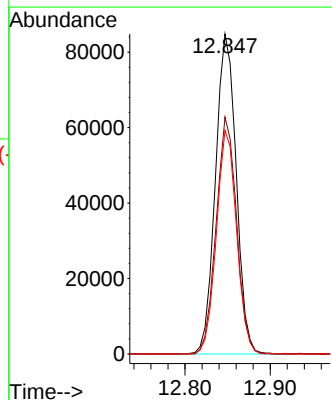
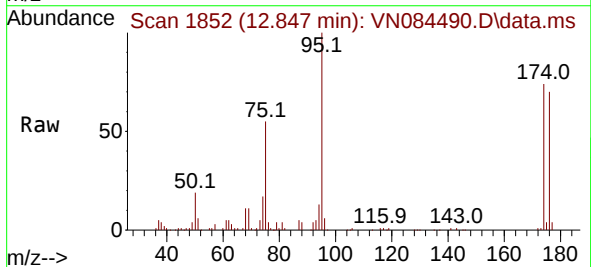
Instrument :
MSVOA_N
ClientSampleId :

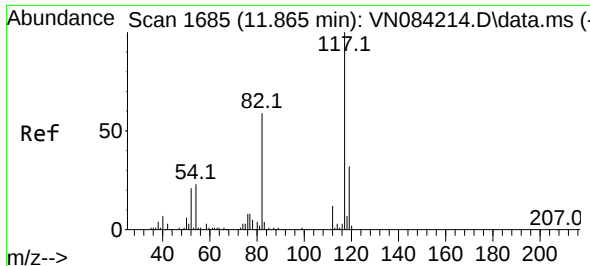
Tgt Ion: 43 Resp: 130235
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 46.365 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

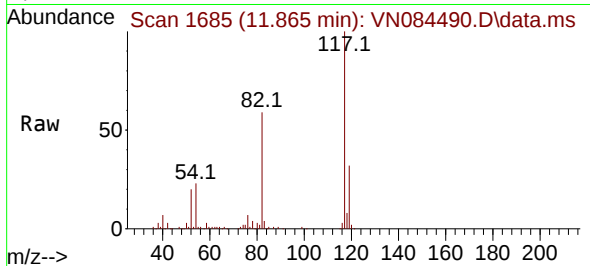
Tgt Ion: 95 Resp: 143342
Ion Ratio Lower Upper
95 100
174 72.9 0.0 145.2
176 67.9 0.0 140.0



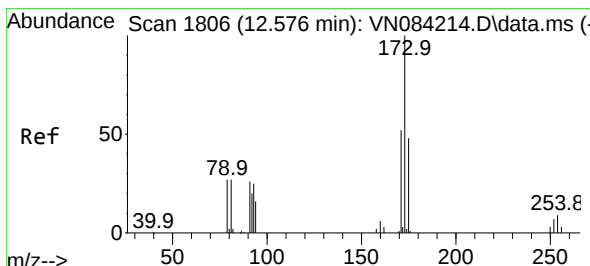
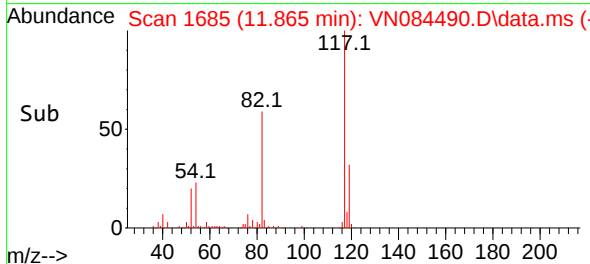
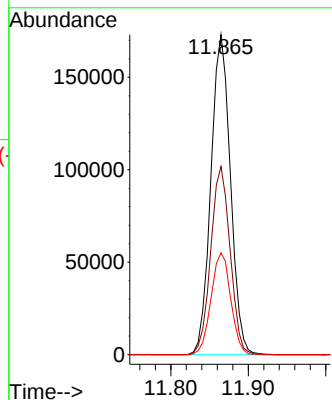


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

Instrument :
MSVOA_N
ClientSampleId :

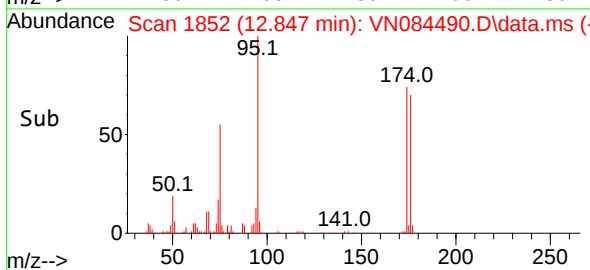
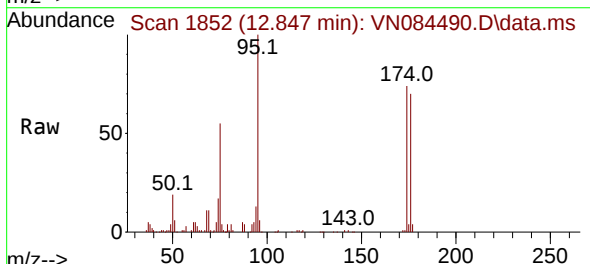
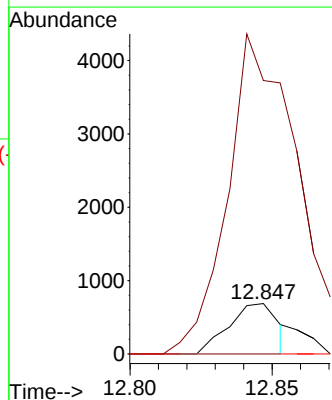


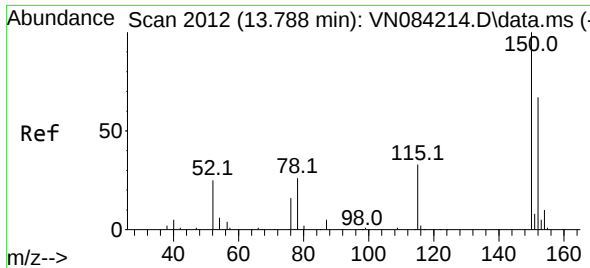
Tgt Ion:117 Resp: 302998
Ion Ratio Lower Upper
117 100
82 58.8 47.2 70.8
119 31.9 25.4 38.0



#71
Bromoform
Concen: 0.486 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

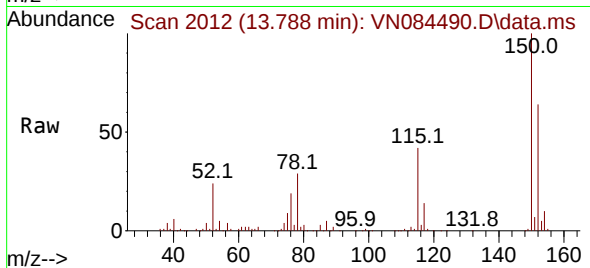
Tgt Ion:173 Resp: 828
Ion Ratio Lower Upper
173 100
175 672.3 23.5 70.6#
254 0.0 0.0 0.0



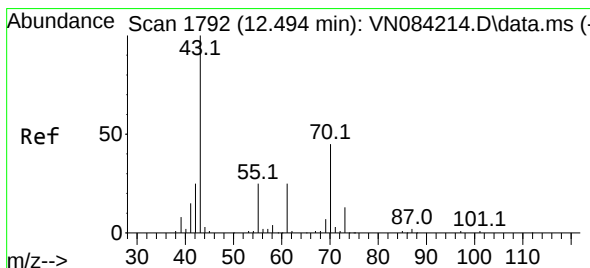
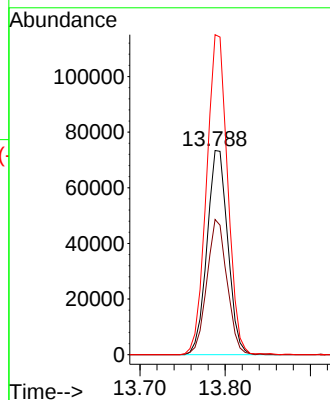
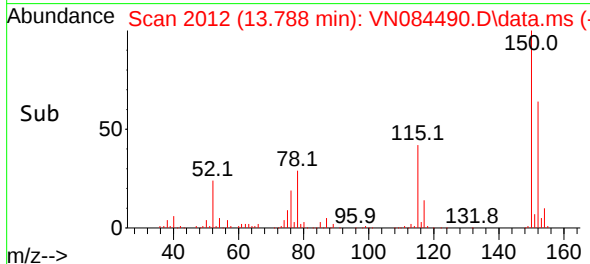


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN084490.D
 Acq: 24 Oct 2024 15:57

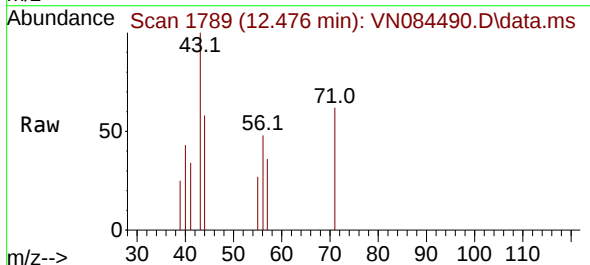
Instrument :
 MSVOA_N
 ClientSampleId :



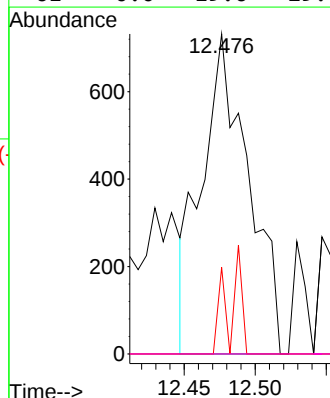
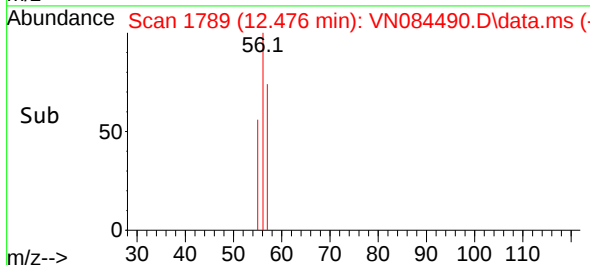
Tgt Ion:152 Resp: 124398
 Ion Ratio Lower Upper
 152 100
 115 64.3 31.3 93.9
 150 158.6 0.0 349.8

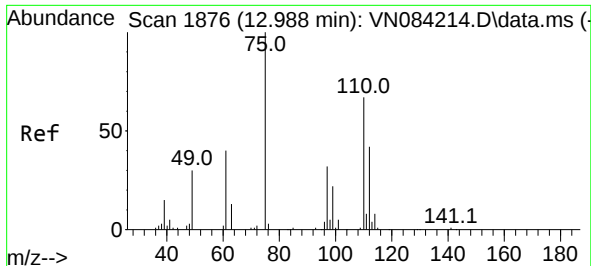


#74
 N-ethyl acetate
 Concen: 0.389 ug/l
 RT: 12.476 min Scan# 1789
 Delta R.T. -0.018 min
 Lab File: VN084490.D
 Acq: 24 Oct 2024 15:57



Tgt Ion: 43 Resp: 1674
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.4 51.6#
 55 4.2 19.6 29.4#
 61 0.0 19.6 29.4#

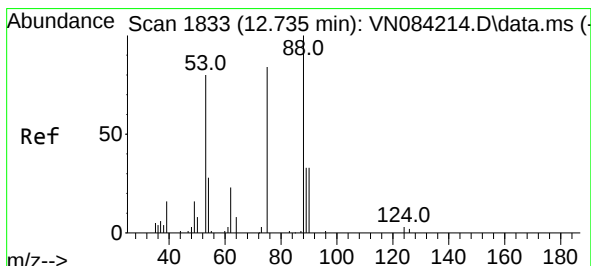
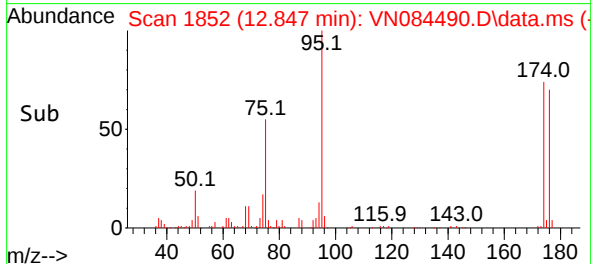
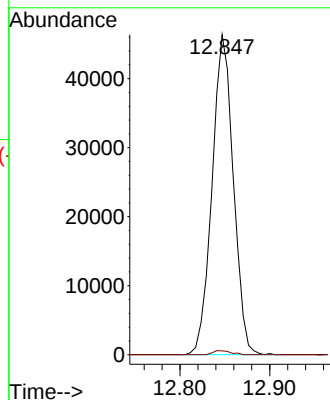
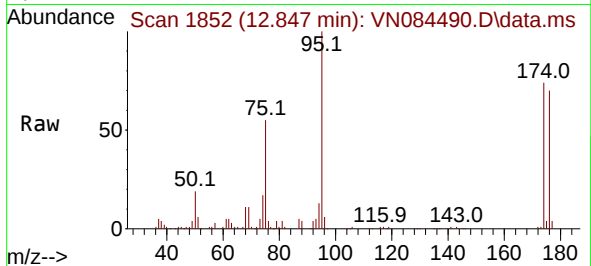




#76
1,2,3-Trichloropropane
Concen: 30.025 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 76253
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.984 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084490.D
Acq: 24 Oct 2024 15:57

Tgt Ion: 75 Resp: 76253
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

