

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
 Data File : VN084493.D
 Acq On : 24 Oct 2024 17:09
 Operator : JC\MD
 Sample : PB164314ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 02:04:01 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)

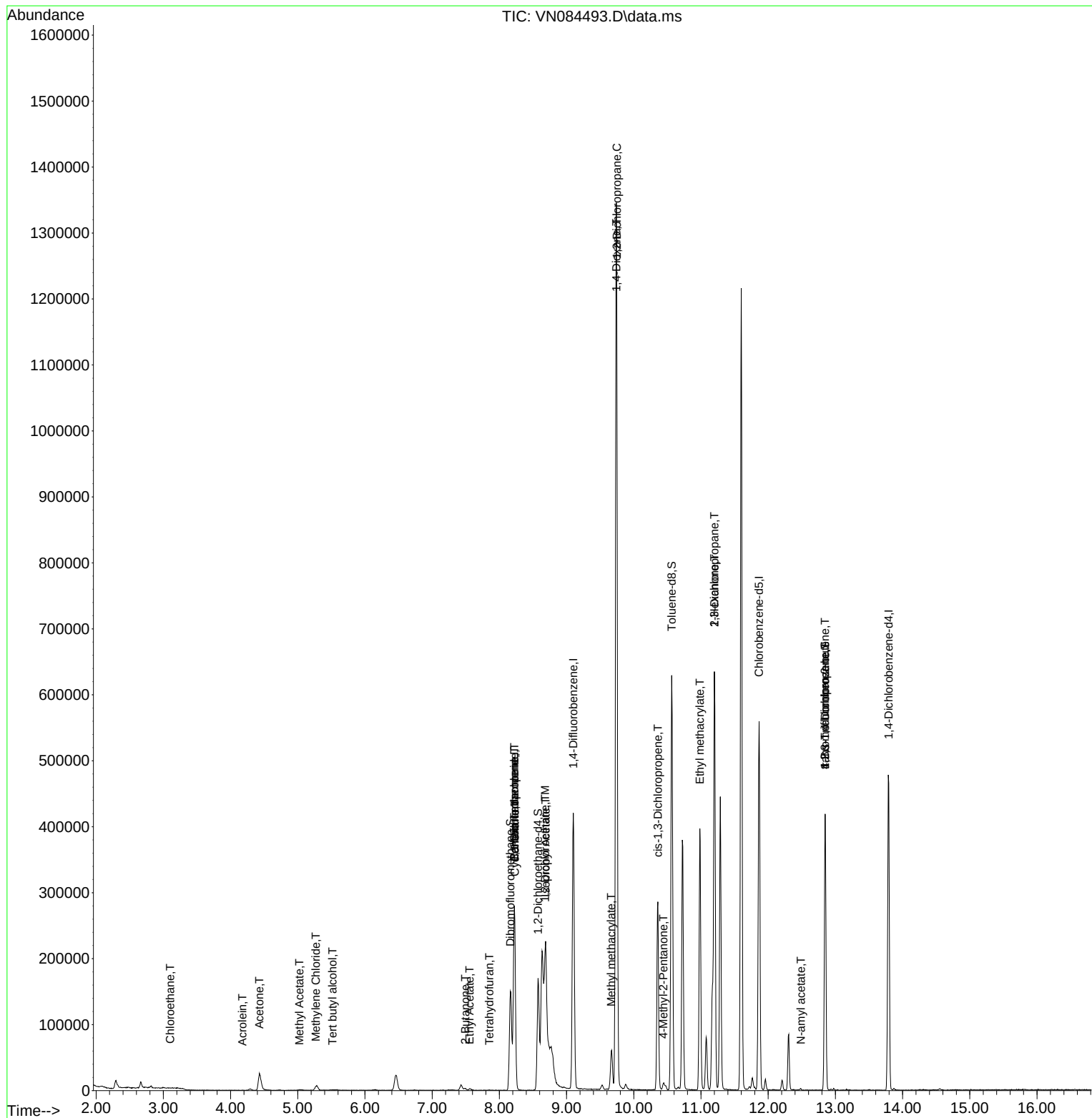
Internal Standards						
1) Pentafluorobenzene	8.224	168	196176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	361190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	140010	48.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.280%		
35) Dibromofluoromethane	8.165	113	110586	46.441	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.880%		
50) Toluene-d8	10.565	98	432401	49.357	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.720%		
62) 4-Bromofluorobenzene	12.847	95	145784	45.678	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.360%		
Target Compounds						Qvalue
6) Chloroethane	3.100	64	502	0.273	ug/l #	45
11) Tert butyl alcohol	5.518	59	1049	2.187	ug/l #	73
13) Acrolein	4.177	56	122	0.222	ug/l #	14
16) Acetone	4.430	43	49850	39.896	ug/l	96
18) Methyl Acetate	5.024	43	1305	0.479	ug/l #	79
20) Methylene Chloride	5.271	84	2641	1.040	ug/l	89
25) 2-Butanone	7.494	43	5325	3.129	ug/l #	81
29) Tetrahydrofuran	7.853	42	535	0.509	ug/l #	43
31) Cyclohexane	8.229	56	4178	0.970	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16961	4.904	ug/l #	50
37) Ethyl Acetate	7.559	43	4106	1.157	ug/l #	83
38) Carbon Tetrachloride	8.224	117	22341	5.888	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	1661	0.455	ug/l #	75
43) Isopropyl Acetate	8.688	43	220078	31.665	ug/l #	83
45) 1,2-Dichloropropane	9.747	63	1722	0.675	ug/l #	44
48) Methyl methacrylate	9.665	41	4111	1.486	ug/l #	40
49) 1,4-Dioxane	9.741	88	120	2.356	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	8622	2.552	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	51719	12.342	ug/l #	61
56) Ethyl methacrylate	10.982	69	1586	0.409	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6366	1.512	ug/l #	42
59) 2-Hexanone	11.200	43	80018	31.694	ug/l #	55
74) N-amyl acetate	12.488	43	1464	0.326	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	76639	28.922	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76639	69.339	ug/l #	11

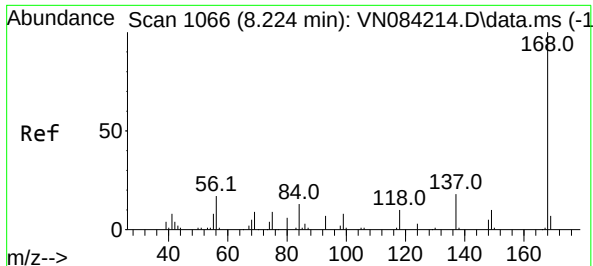
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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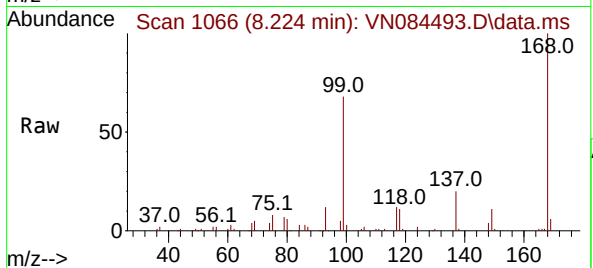
Quant Time: Oct 25 02:04:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



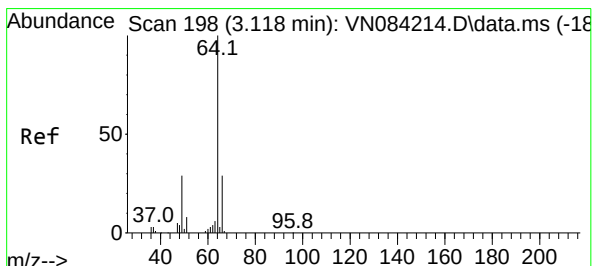
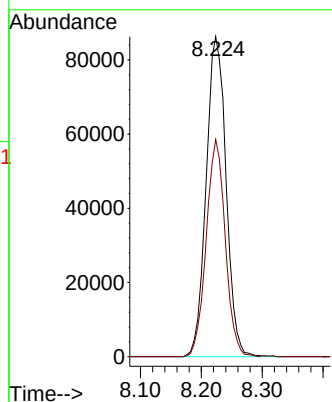
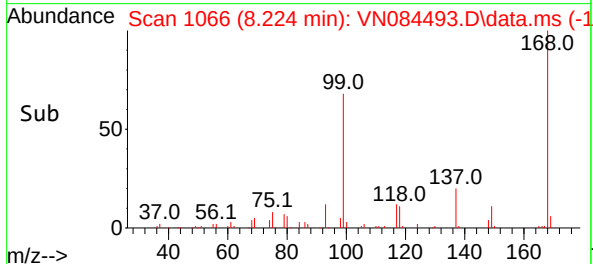


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :

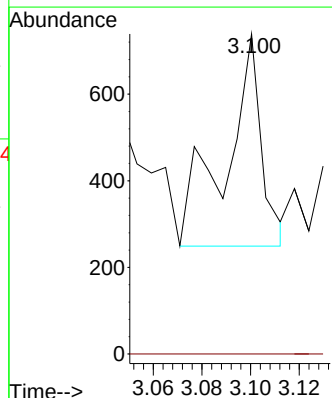
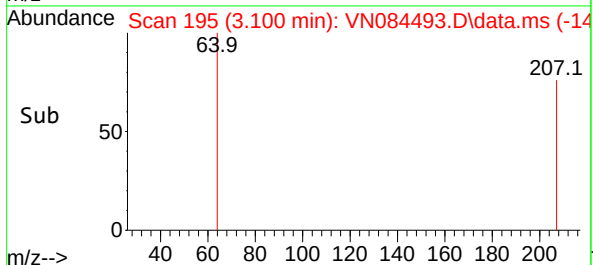
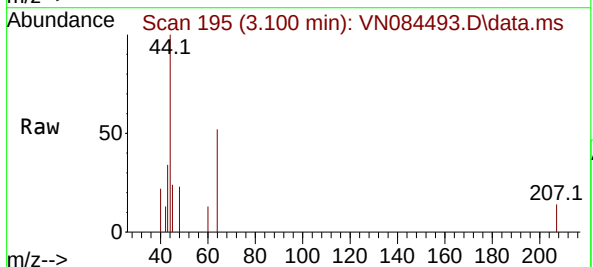


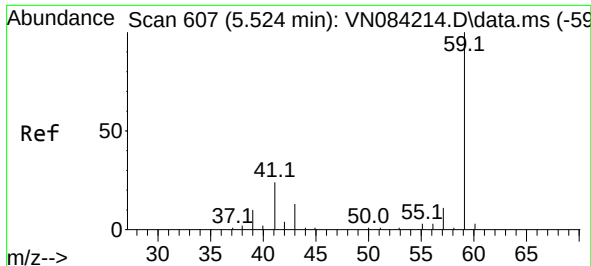
Tgt Ion:168 Resp: 196176
Ion Ratio Lower Upper
168 100
99 67.9 54.2 81.2



#6
Chloroethane
Concen: 0.273 ug/l
RT: 3.100 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

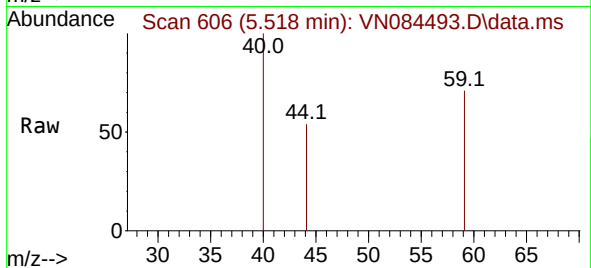
Tgt Ion: 64 Resp: 502
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



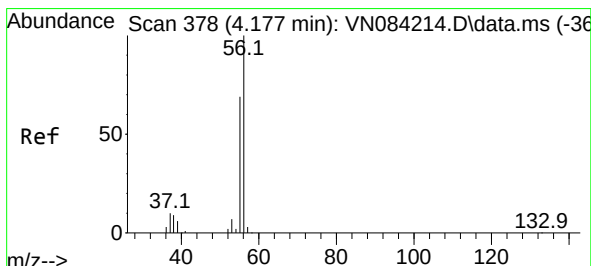
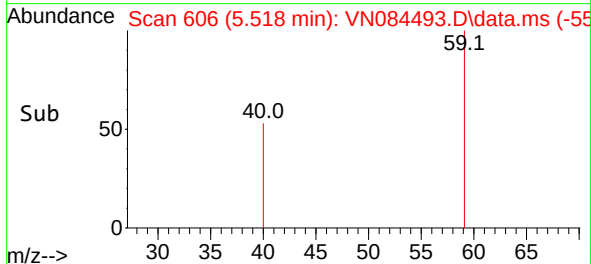
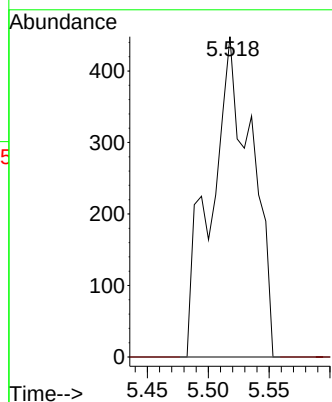


#11
Tert butyl alcohol
Concen: 2.187 ug/l
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :

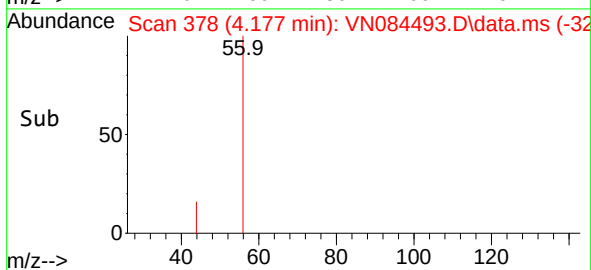
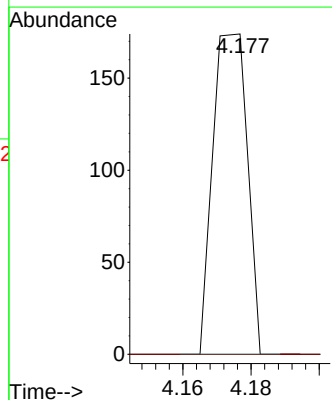
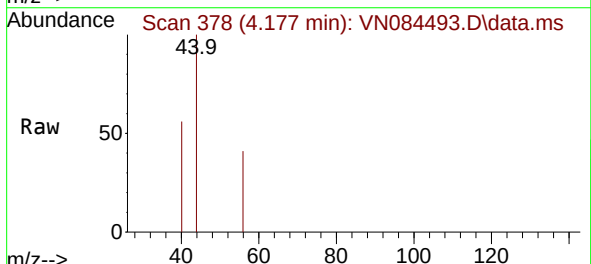


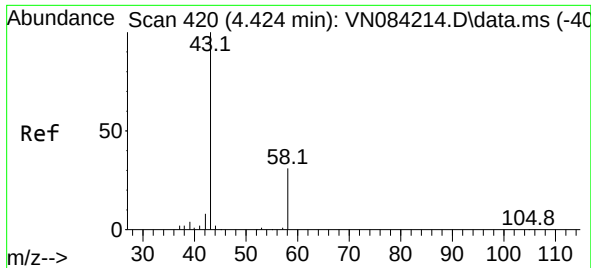
Tgt Ion: 59 Resp: 1049
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.222 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

Tgt Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#

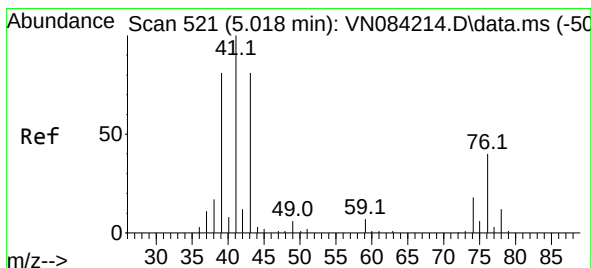
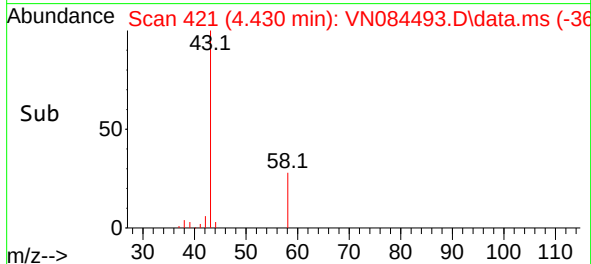
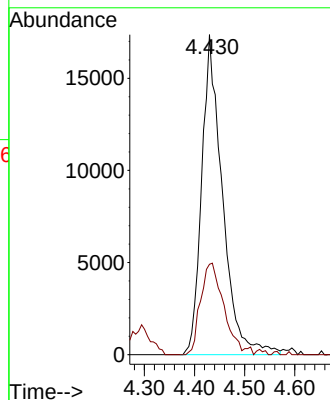
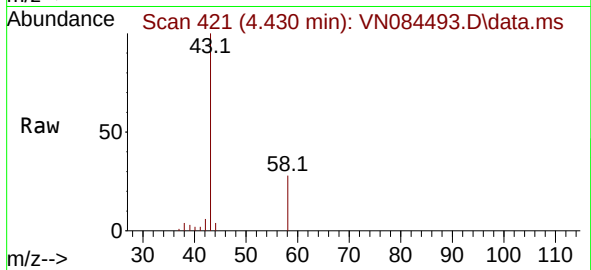




#16
Acetone
Concen: 39.896 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

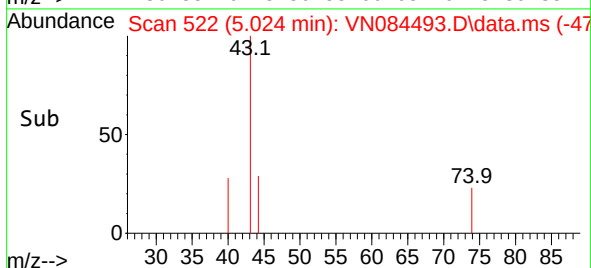
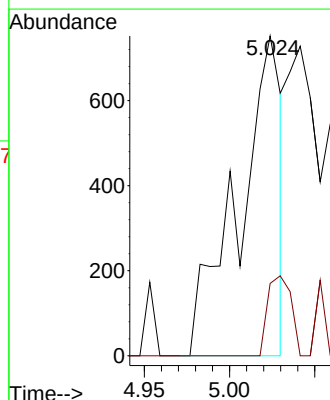
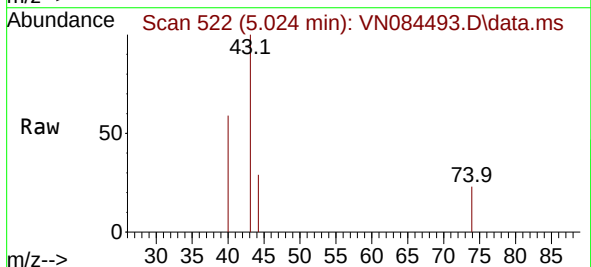
Instrument :
MSVOA_N
ClientSampleId :

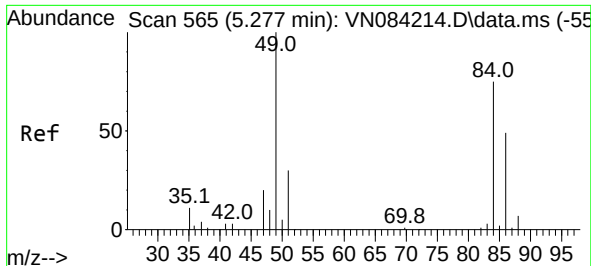
Tgt Ion: 43 Resp: 49850
Ion Ratio Lower Upper
43 100
58 28.3 24.4 36.6



#18
Methyl Acetate
Concen: 0.479 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

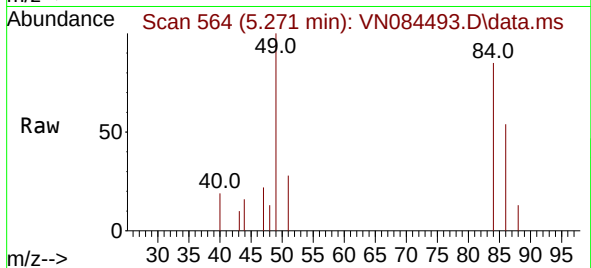
Tgt Ion: 43 Resp: 1305
Ion Ratio Lower Upper
43 100
74 13.8 19.2 28.8#





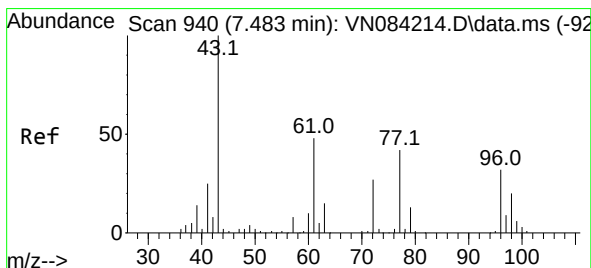
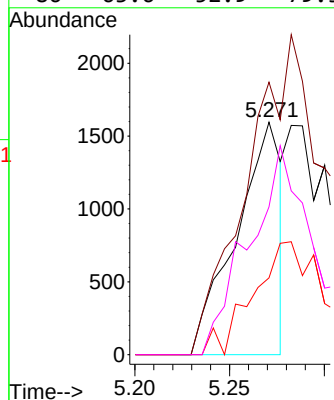
#20
Methylene Chloride
Concen: 1.040 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2641

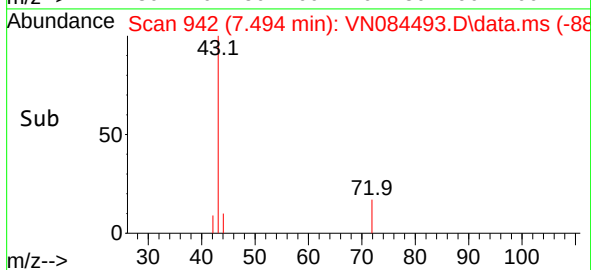
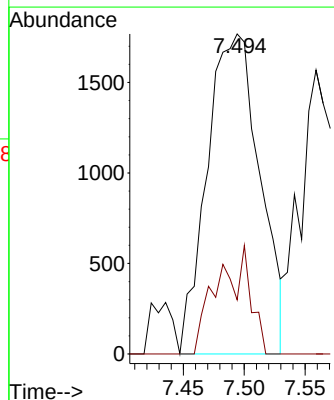
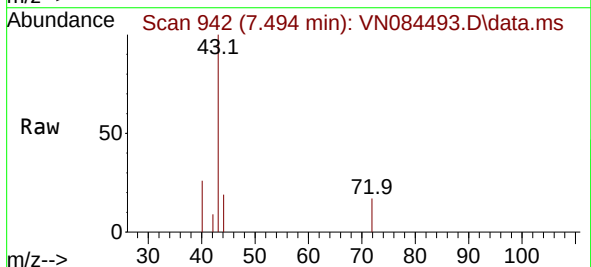
Ion	Ratio	Lower	Upper
84	100		
49	117.2	107.2	160.8
51	33.0	31.8	47.8
86	63.6	52.9	79.3

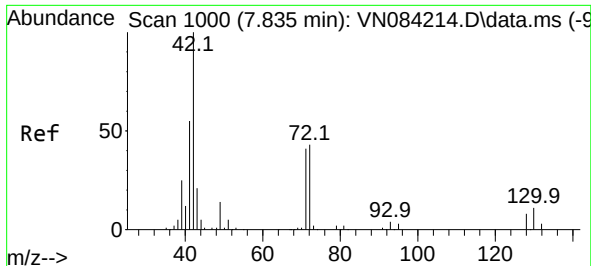


#25
2-Butanone
Concen: 3.129 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

Tgt Ion: 43 Resp: 5325

Ion	Ratio	Lower	Upper
43	100		
72	16.9	21.4	32.2#





#29

Tetrahydrofuran

Concen: 0.509 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.018 min

Lab File: VN084493.D

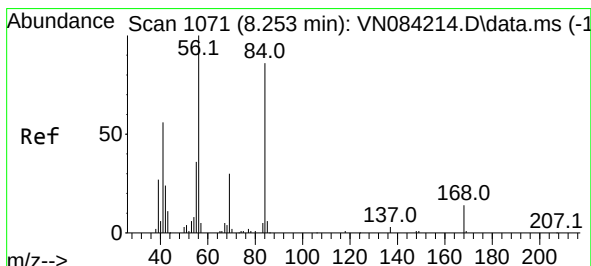
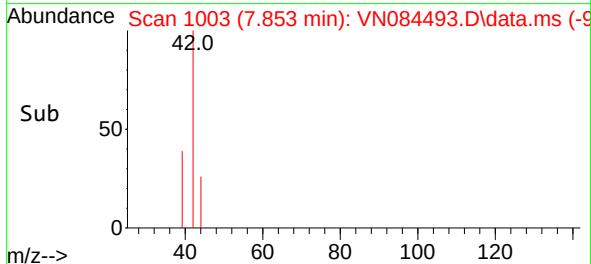
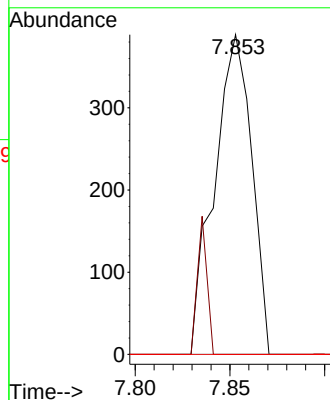
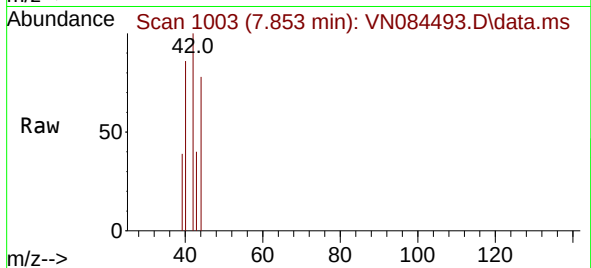
Acq: 24 Oct 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	535
Ion	Ratio	Lower	Upper
42	100		
72	11.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 0.970 ug/l

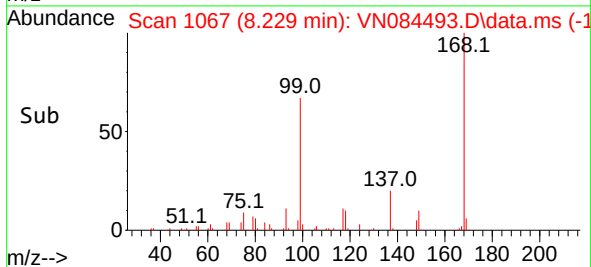
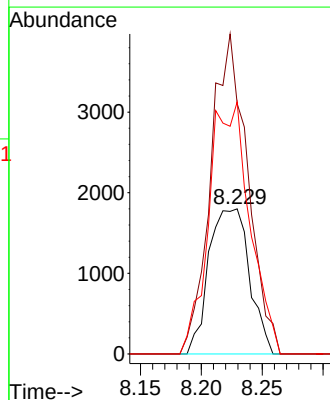
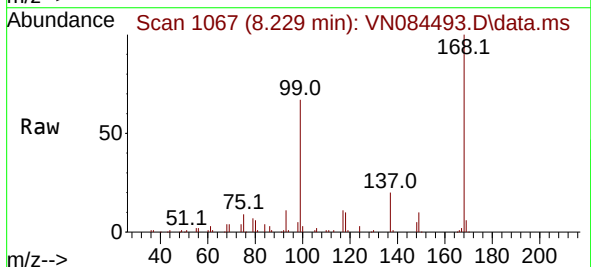
RT: 8.229 min Scan# 1067

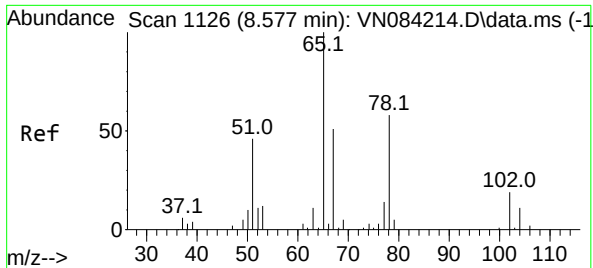
Delta R.T. -0.024 min

Lab File: VN084493.D

Acq: 24 Oct 2024 17:09

Tgt Ion:	56	Resp:	4178
Ion	Ratio	Lower	Upper
56	100		
69	172.5	23.8	35.6#
84	173.6	68.8	103.2#



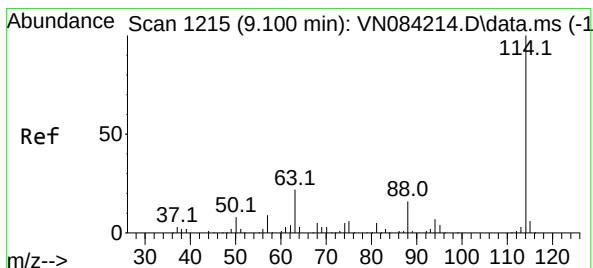
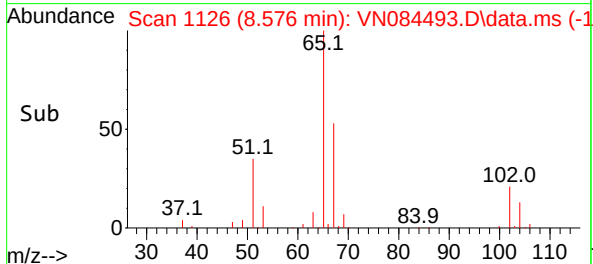
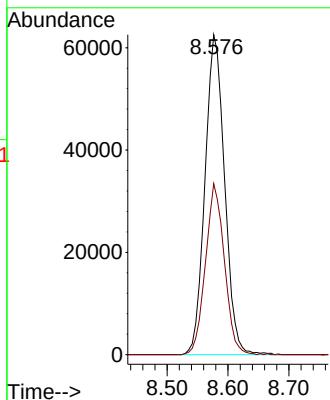
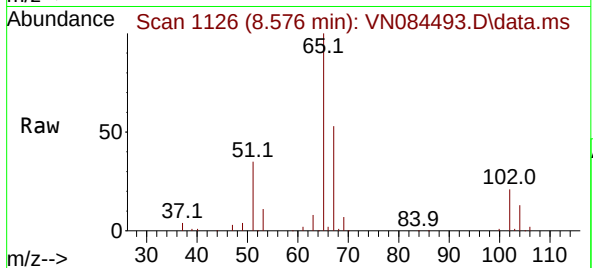


#33
 1,2-Dichloroethane-d4
 Concen: 48.135 ug/l
 RT: 8.576 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084493.D
 Acq: 24 Oct 2024 17:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 65 Resp: 140010

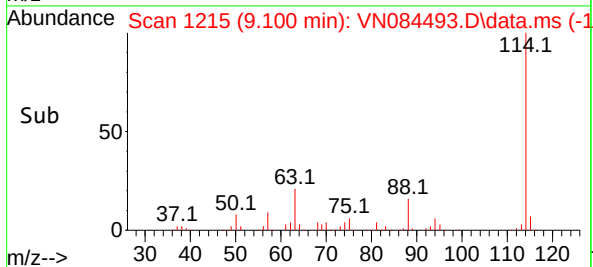
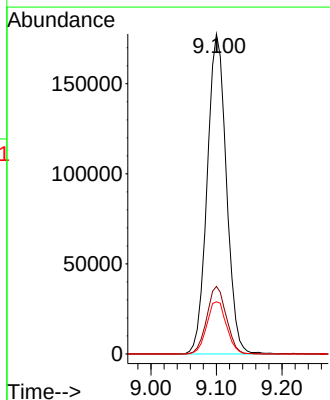
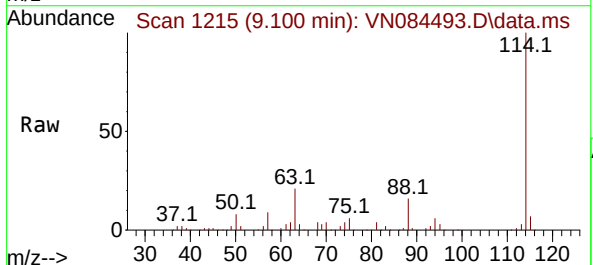
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.0

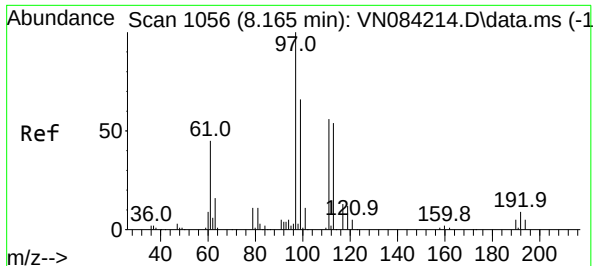


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN084493.D
 Acq: 24 Oct 2024 17:09

Tgt Ion: 114 Resp: 361190

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	16.3	0.0	31.6





#35

Dibromofluoromethane

Concen: 46.441 ug/l

RT: 8.165 min Scan# 110586

Delta R.T. -0.000 min

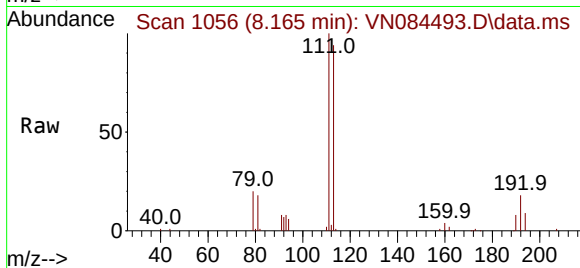
Lab File: VN084493.D

Acq: 24 Oct 2024 17:09

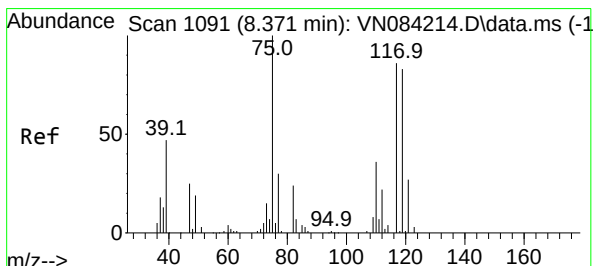
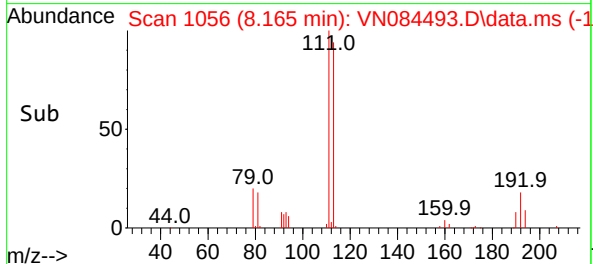
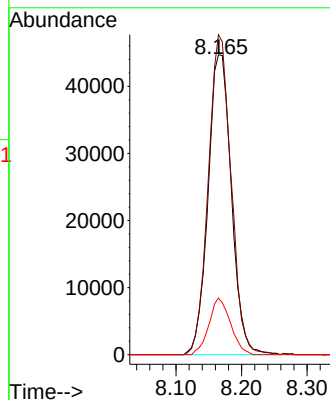
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.3	124.9
192	17.5	13.5	20.3



#36

1,1-Dichloropropene

Concen: 4.904 ug/l

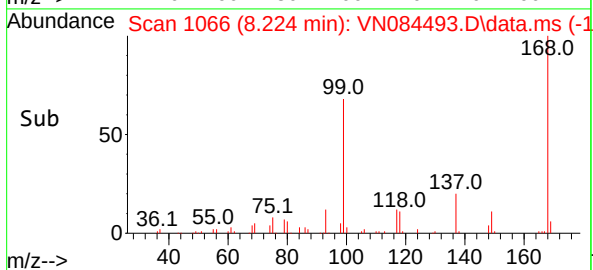
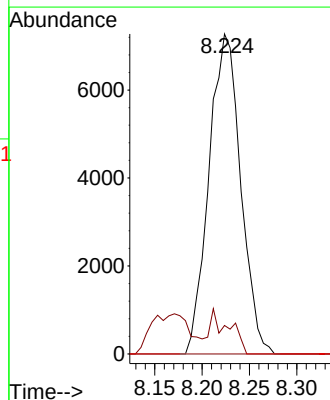
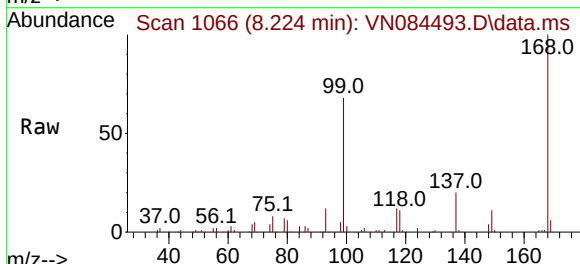
RT: 8.224 min Scan# 1066

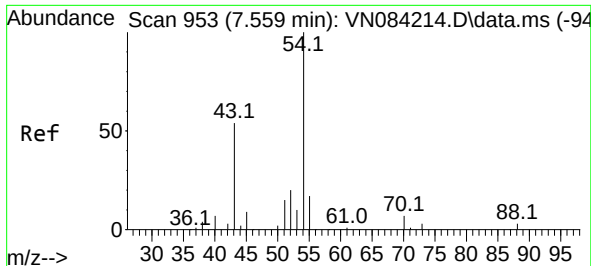
Delta R.T. -0.147 min

Lab File: VN084493.D

Acq: 24 Oct 2024 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.9	50.7#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 1.157 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

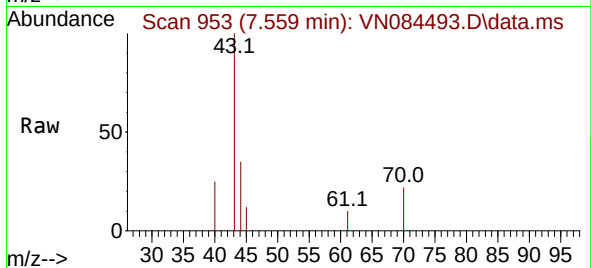
Lab File: VN084493.D

Acq: 24 Oct 2024 17:09

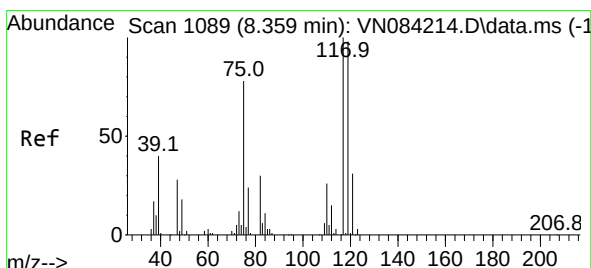
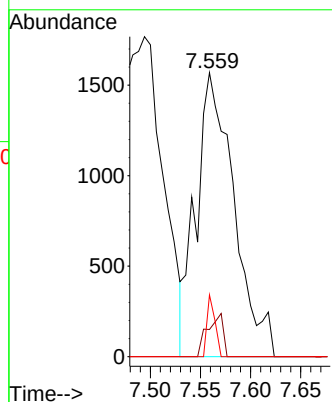
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4106
Ion	Ratio	Lower	Upper
43	100		
61	6.3	10.7	16.1#
70	4.6	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.888 ug/l

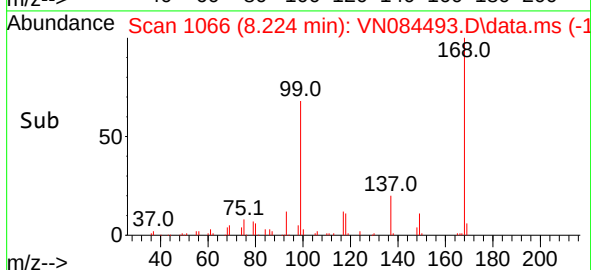
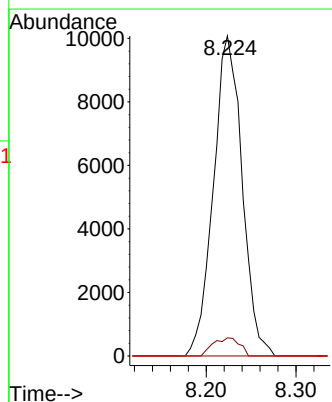
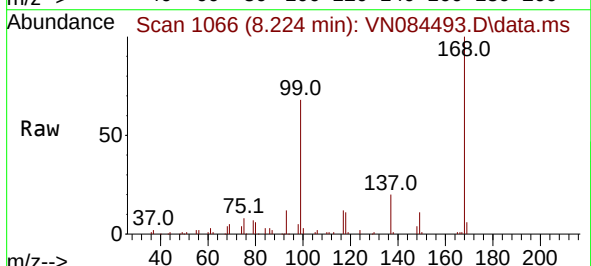
RT: 8.224 min Scan# 1066

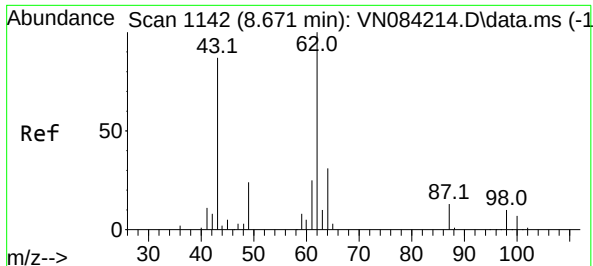
Delta R.T. -0.135 min

Lab File: VN084493.D

Acq: 24 Oct 2024 17:09

Tgt Ion:	117	Resp:	22341
Ion	Ratio	Lower	Upper
117	100		
119	5.6	78.7	118.1#
121	0.0	24.4	36.6#





#42

1,2-Dichloroethane

Concen: 0.455 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN084493.D

Acq: 24 Oct 2024 17:09

Instrument :

MSVOA_N

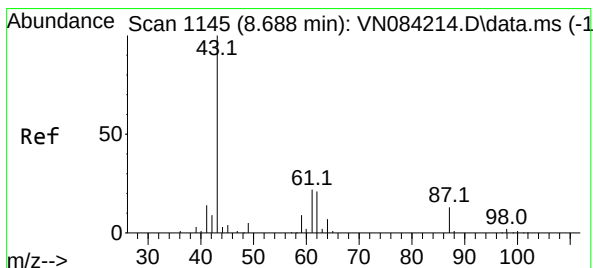
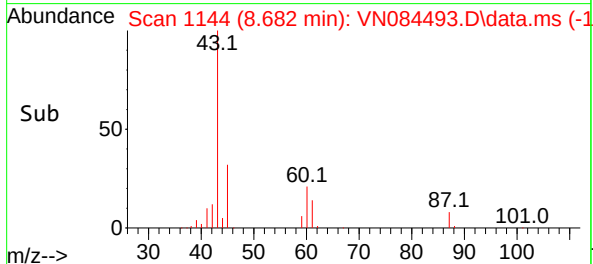
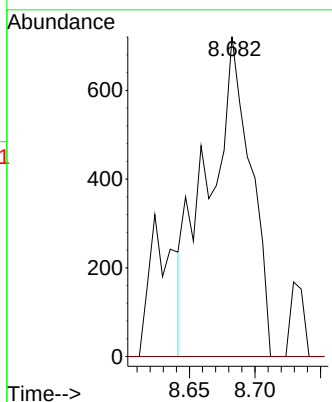
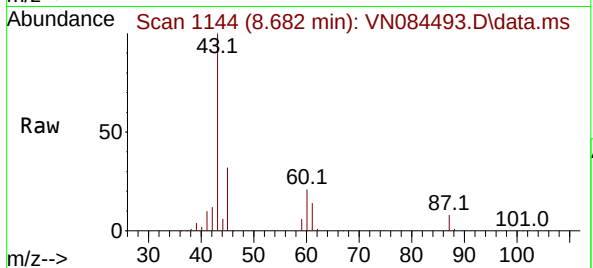
ClientSampleId :

Tgt Ion: 62 Resp: 1661

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 31.665 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN084493.D

Acq: 24 Oct 2024 17:09

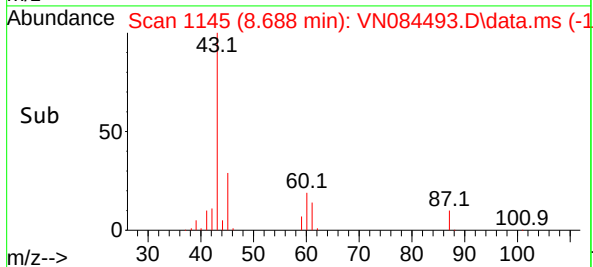
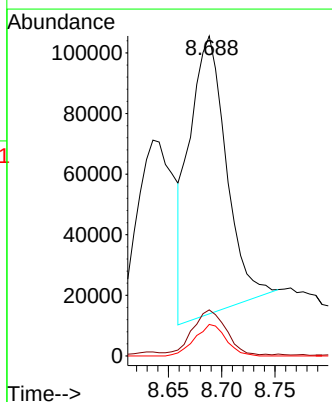
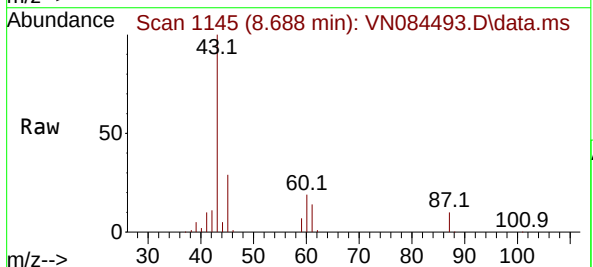
Tgt Ion: 43 Resp: 220078

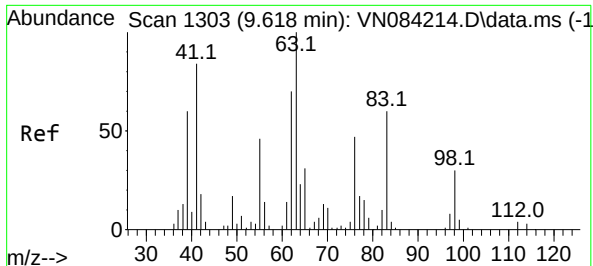
Ion Ratio Lower Upper

43 100

61 14.7 20.4 30.6#

87 9.6 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.675 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN084493.D

Acq: 24 Oct 2024 17:09

Instrument :

MSVOA_N

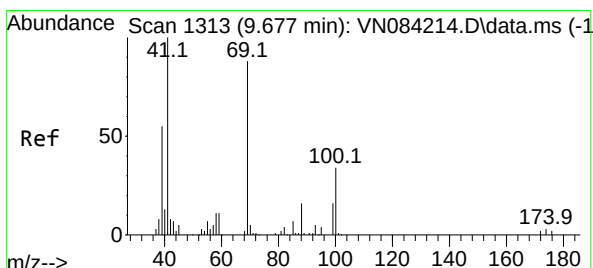
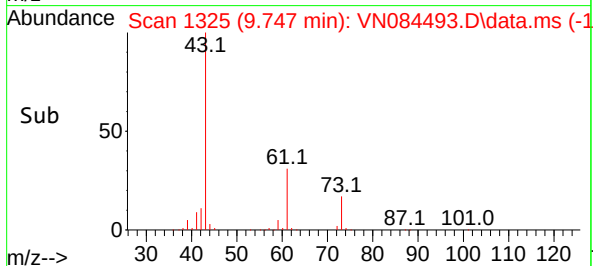
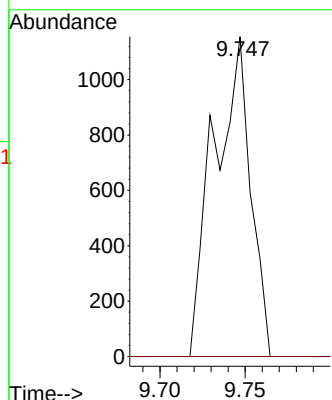
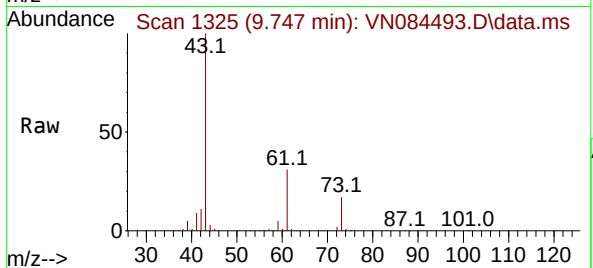
ClientSampleId :

Tgt Ion: 63 Resp: 1722

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.486 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084493.D

Acq: 24 Oct 2024 17:09

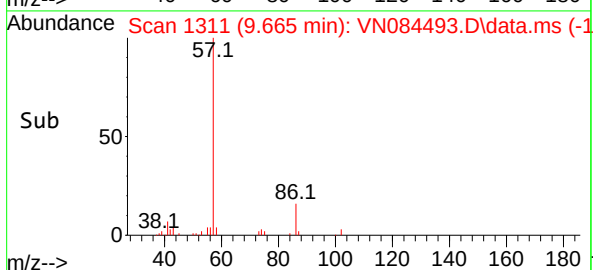
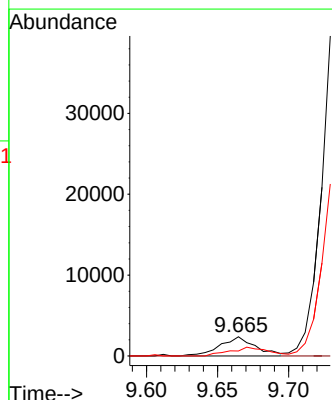
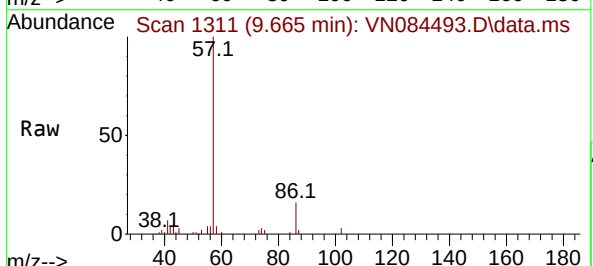
Tgt Ion: 41 Resp: 4111

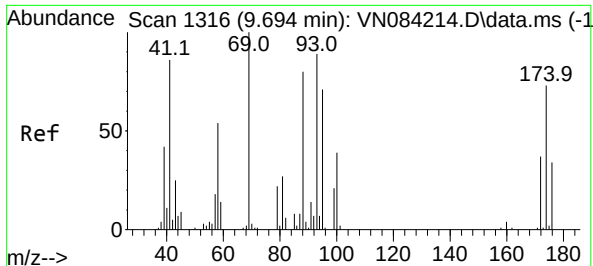
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 49.1 45.8 68.6





#49

1,4-Dioxane

Concen: 2.356 ug/l

RT: 9.741 min Scan# 1316

Delta R.T. 0.047 min

Lab File: VN084493.D

Acq: 24 Oct 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

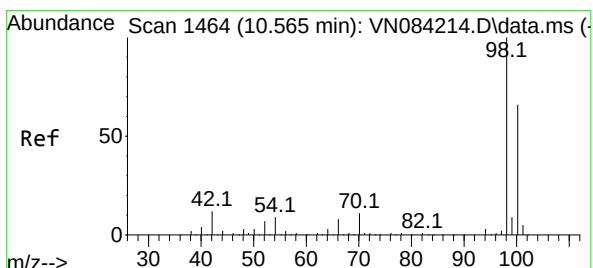
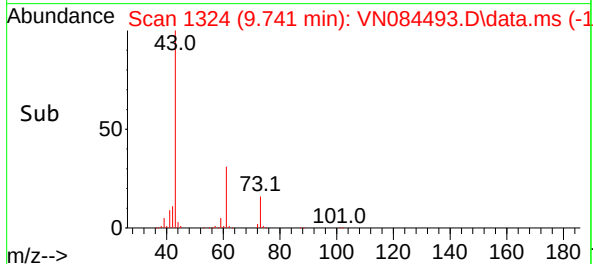
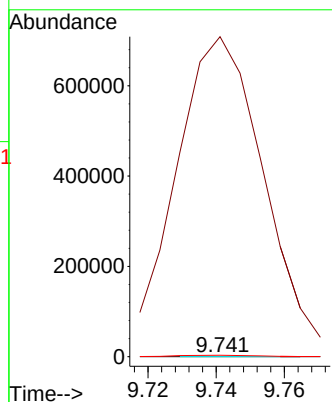
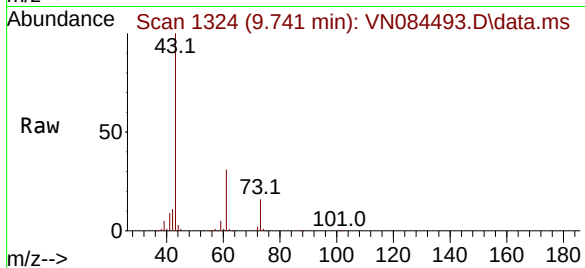
Tgt Ion: 88 Resp: 120

Ion Ratio Lower Upper

88 100

43 1081225.0 25.3 37.9#

58 4490.8 56.4 84.6#



#50

Toluene-d8

Concen: 49.357 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084493.D

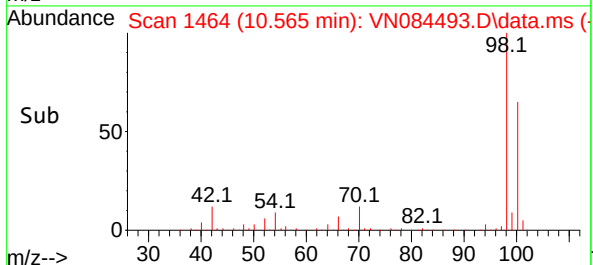
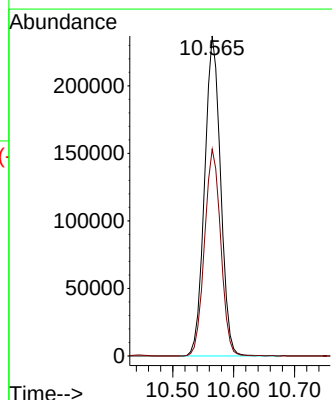
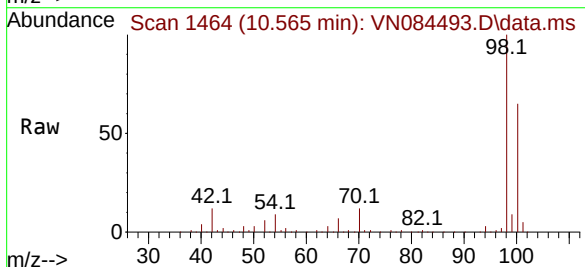
Acq: 24 Oct 2024 17:09

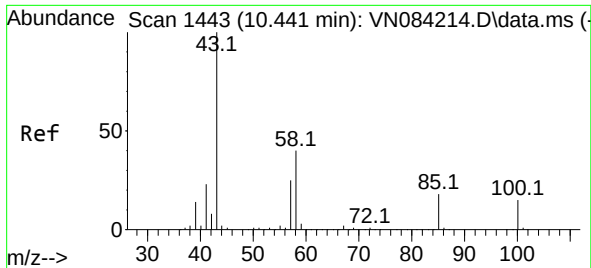
Tgt Ion: 98 Resp: 432401

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1

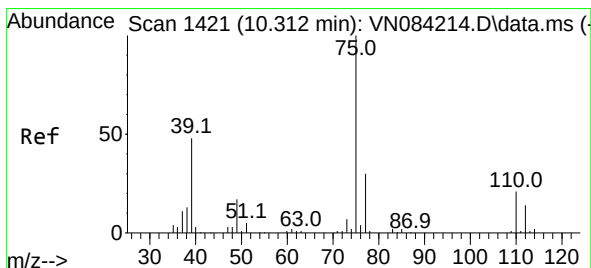
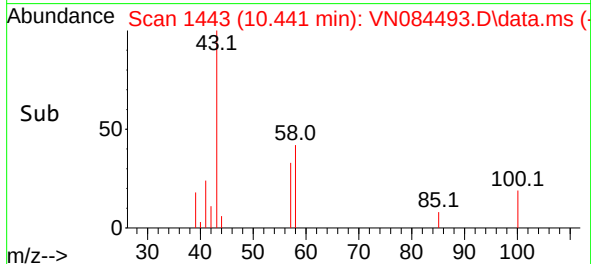
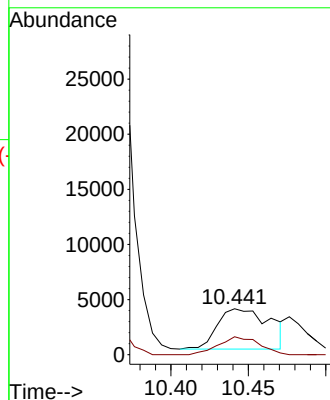
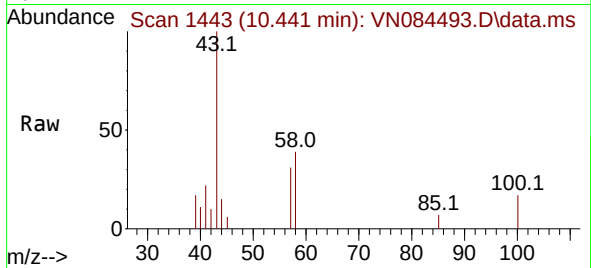




#51
4-Methyl-2-Pentanone
Concen: 2.552 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

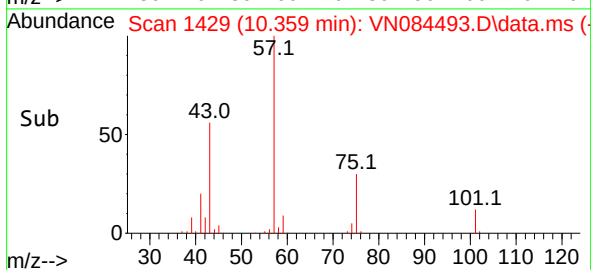
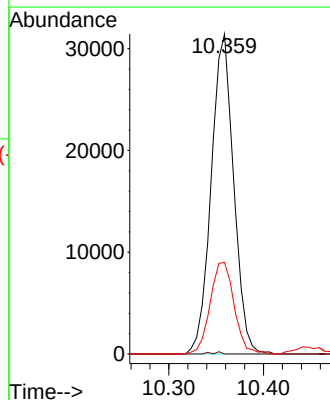
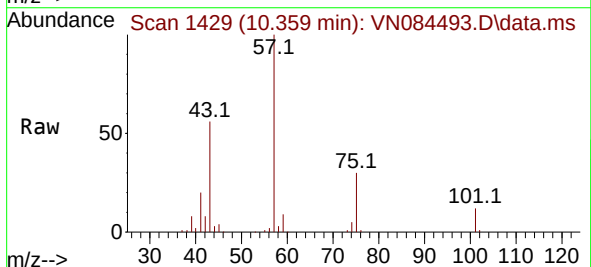
Instrument :
MSVOA_N
ClientSampleId :

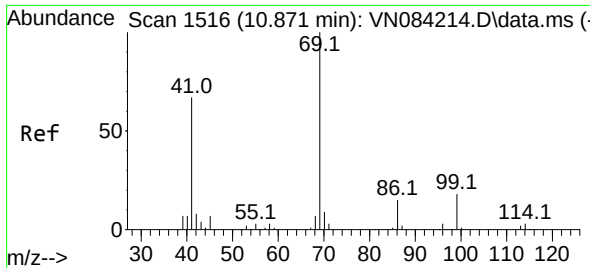
Tgt Ion: 43 Resp: 8622
Ion Ratio Lower Upper
43 100
58 34.3 31.6 47.4



#54
cis-1,3-Dichloropropene
Concen: 12.342 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

Tgt Ion: 75 Resp: 51719
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 28.6 38.7 58.1#

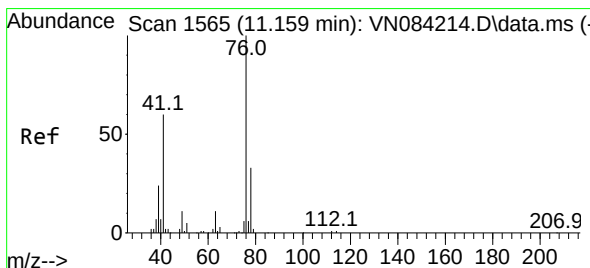
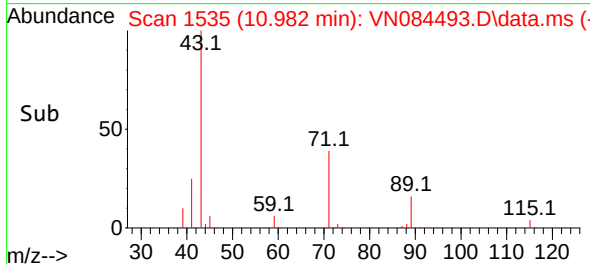
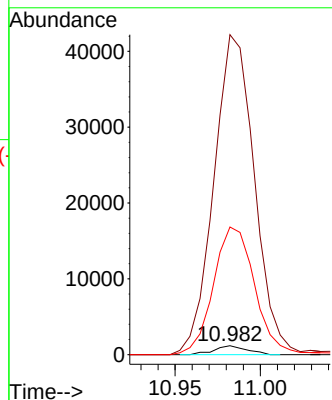
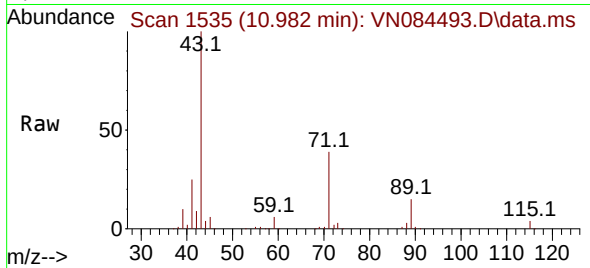




#56
Ethyl methacrylate
Concen: 0.409 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

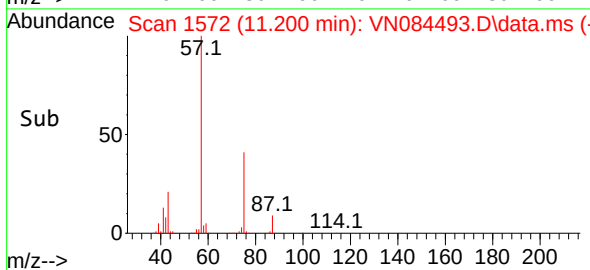
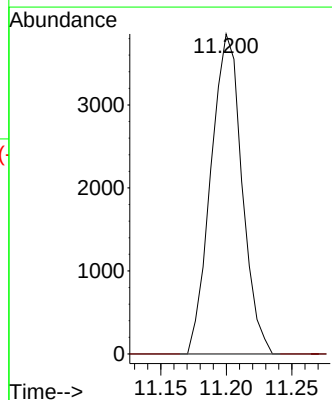
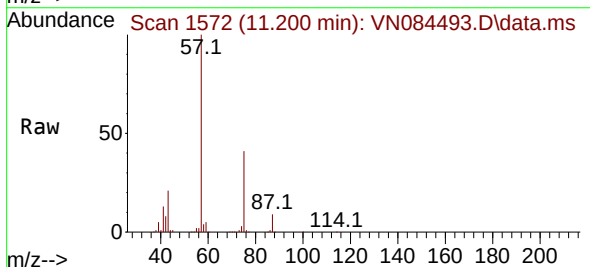
Instrument :
MSVOA_N
ClientSampleId :

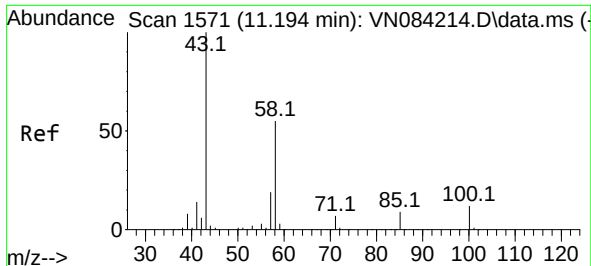
Tgt Ion: 69 Resp: 1586
Ion Ratio Lower Upper
69 100
41 4432.8 53.3 79.9#
39 1801.4 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.512 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

Tgt Ion: 76 Resp: 6366
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

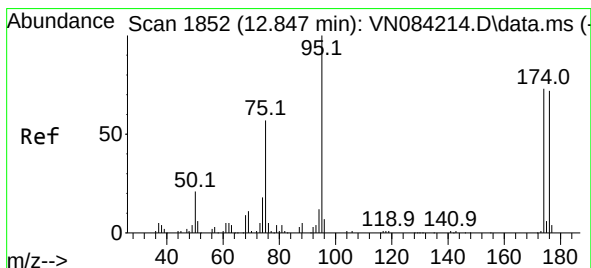
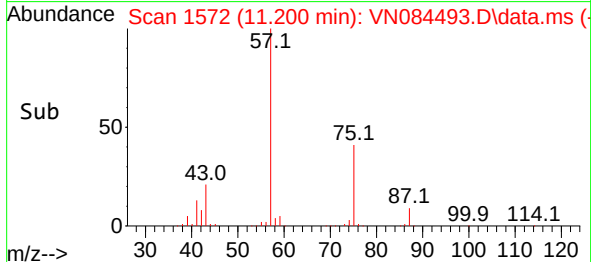
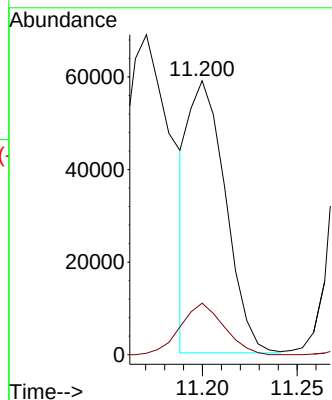
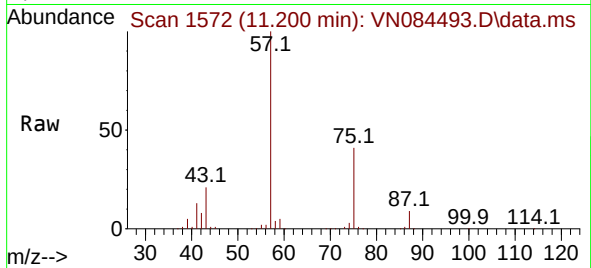




#59
2-Hexanone
Concen: 31.694 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

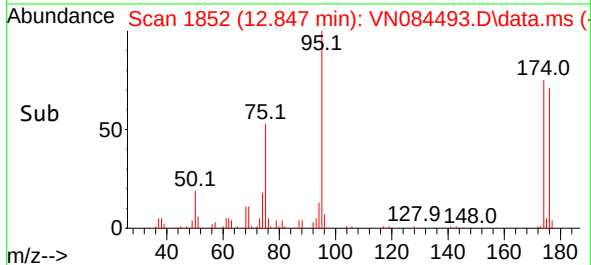
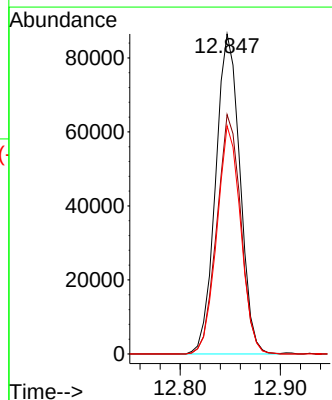
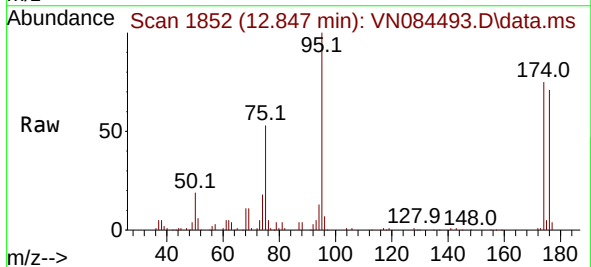
Instrument :
MSVOA_N
ClientSampleId :

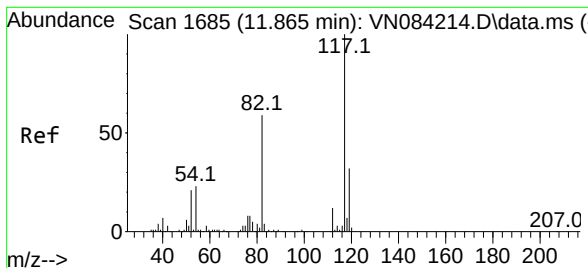
Tgt Ion: 43 Resp: 80018
Ion Ratio Lower Upper
43 100
58 22.3 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 45.678 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

Tgt Ion: 95 Resp: 145784
Ion Ratio Lower Upper
95 100
174 73.8 0.0 145.2
176 69.8 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

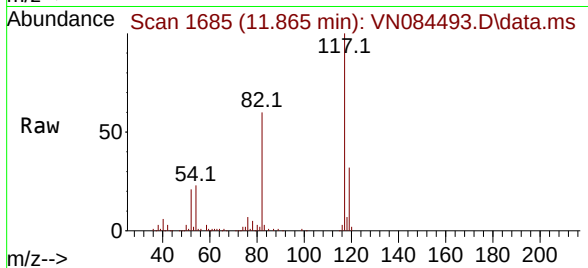
Lab File: VN084493.D

Acq: 24 Oct 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :



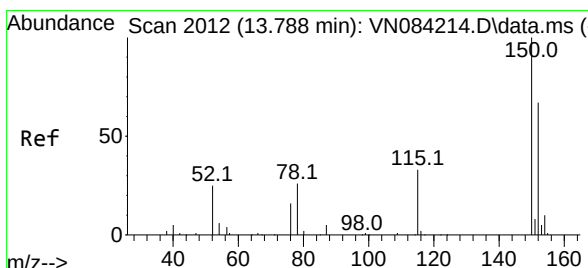
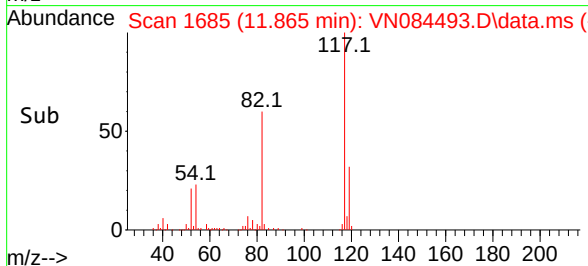
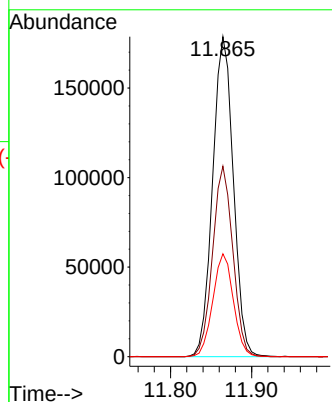
Tgt Ion:117 Resp: 316668

Ion Ratio Lower Upper

117 100

82 59.5 47.2 70.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN084493.D

Acq: 24 Oct 2024 17:09

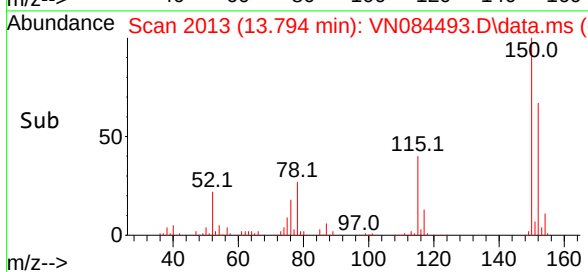
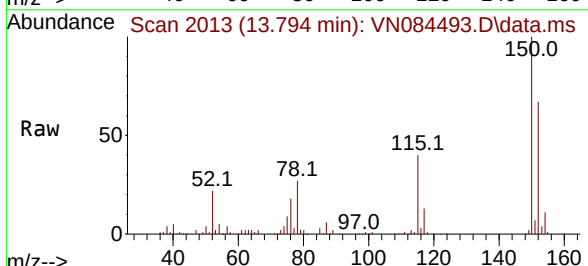
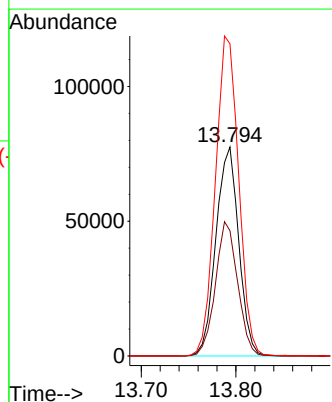
Tgt Ion:152 Resp: 129797

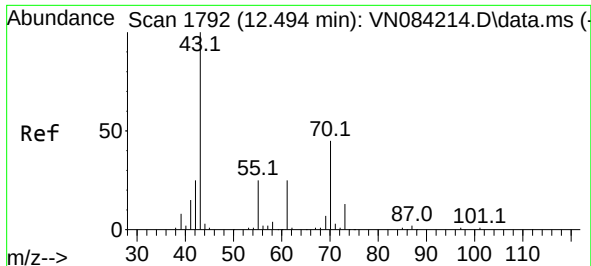
Ion Ratio Lower Upper

152 100

115 62.8 31.3 93.9

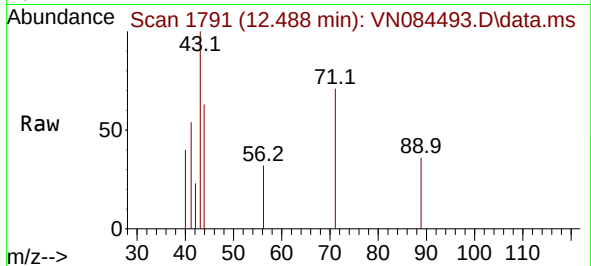
150 156.3 0.0 349.8



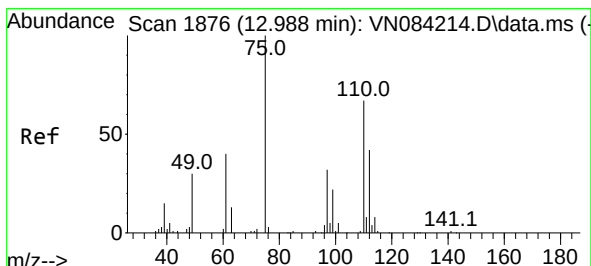
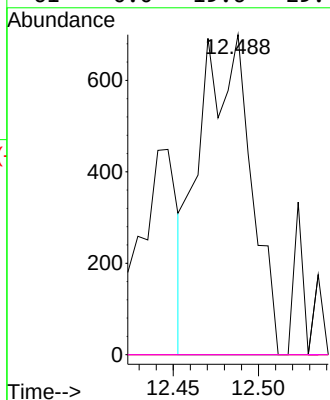
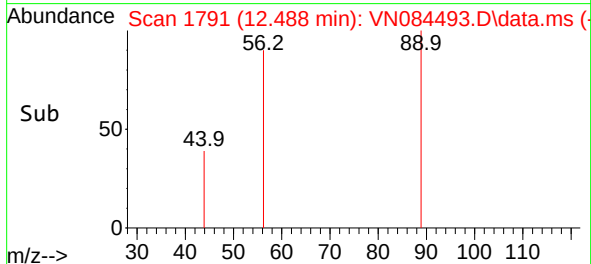


#74
N-amy1 acetate
Concen: 0.326 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :

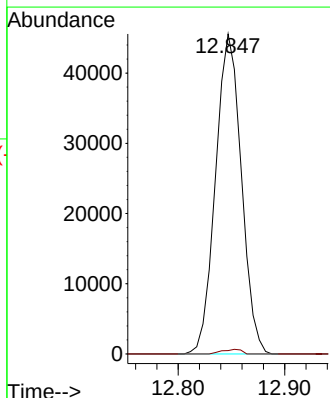
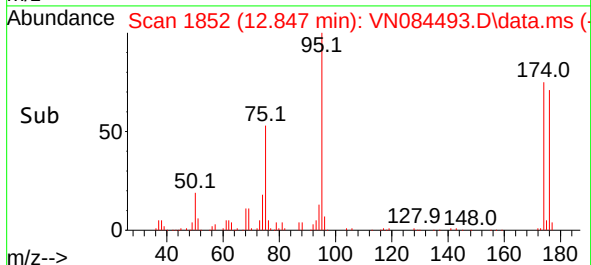
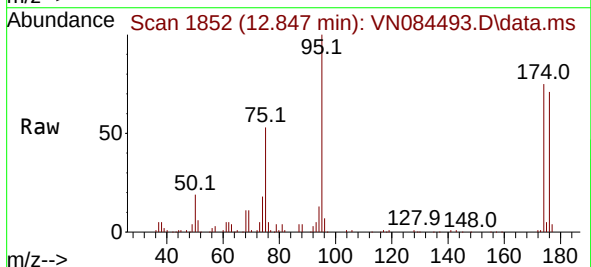


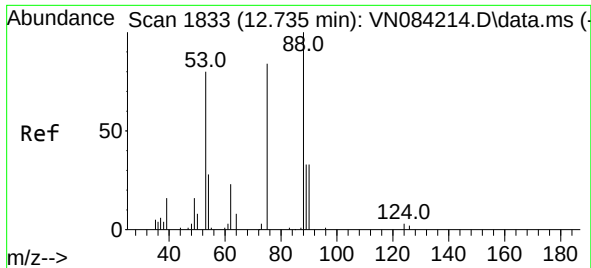
Tgt Ion: 43	Resp: 1464
Ion Ratio	Lower Upper
43	100
70	0.0 34.4 51.6#
55	0.0 19.6 29.4#
61	0.0 19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 28.922 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

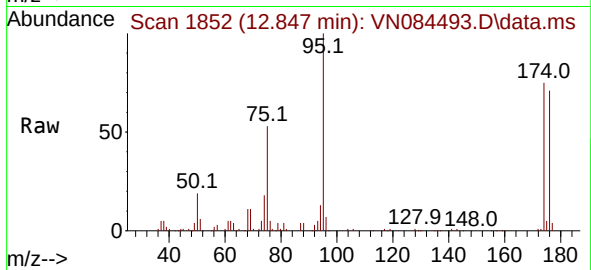
Tgt Ion: 75	Resp: 76639
Ion Ratio	Lower Upper
75	100
77	1.1 96.9 290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 69.339 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084493.D
Acq: 24 Oct 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 76639
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

