

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
 Data File : VN084492.D
 Acq On : 24 Oct 2024 16:45
 Operator : JC\MD
 Sample : PB164314ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 02:03:32 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

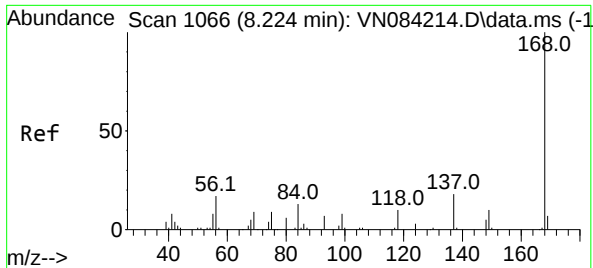
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	206166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	372951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	321975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142267	46.541	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.080%		
35) Dibromofluoromethane	8.165	113	114728	46.662	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.320%		
50) Toluene-d8	10.565	98	442992	48.971	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.940%		
62) 4-Bromofluorobenzene	12.847	95	148070	44.931	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.860%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	502	0.996	ug/l #	73
16) Acetone	4.430	43	49655	37.814	ug/l	97
18) Methyl Acetate	5.042	43	2626	0.918	ug/l #	63
20) Methylene Chloride	5.283	84	5055	1.894	ug/l #	89
25) 2-Butanone	7.489	43	5159	2.885	ug/l #	79
29) Tetrahydrofuran	7.847	42	642	0.582	ug/l #	81
31) Cyclohexane	8.224	56	4733	1.045	ug/l #	15
36) 1,1-Dichloropropene	8.224	75	18176	5.089	ug/l #	49
37) Ethyl Acetate	7.565	43	3868	1.056	ug/l	95
38) Carbon Tetrachloride	8.224	117	22889	5.843	ug/l #	14
42) 1,2-Dichloroethane	8.688	62	1260	0.334	ug/l #	75
43) Isopropyl Acetate	8.688	43	192085	26.766	ug/l #	91
45) 1,2-Dichloropropane	9.747	63	1708	0.649	ug/l #	44
48) Methyl methacrylate	9.665	41	4029	1.410	ug/l #	39
49) 1,4-Dioxane	9.730	88	53	1.008	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	12129	3.477	ug/l #	73
53) t-1,3-Dichloropropene	10.718	75	877	0.218	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	53475	12.358	ug/l #	60
56) Ethyl methacrylate	10.988	69	1462	0.365	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7030	1.617	ug/l #	42
59) 2-Hexanone	11.171	43	129785	49.785	ug/l #	24
71) Bromoform	12.847	173	752	0.415	ug/l #	1
74) N-amyl acetate	12.476	43	1288	0.291	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	76793	29.386	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76793	70.451	ug/l #	11

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

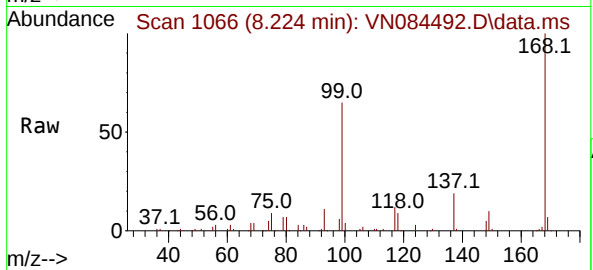
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



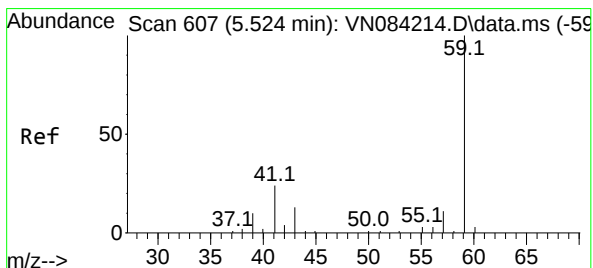
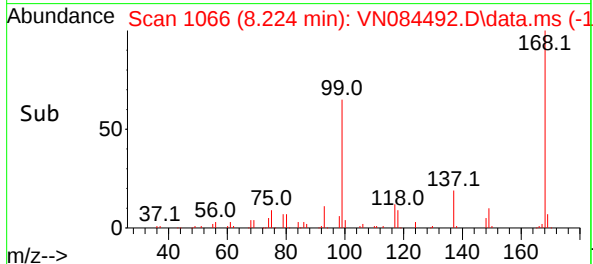
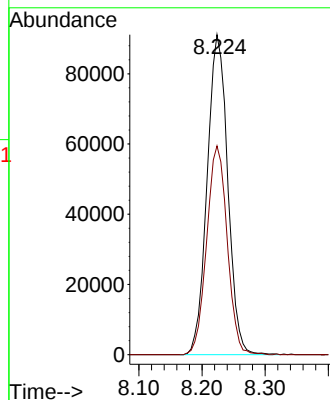


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

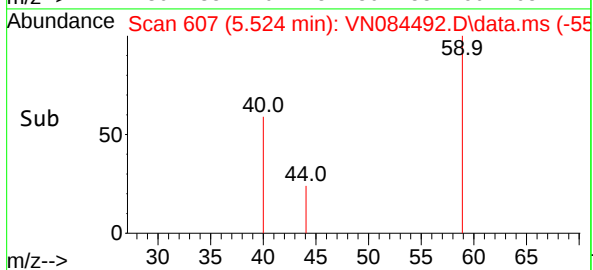
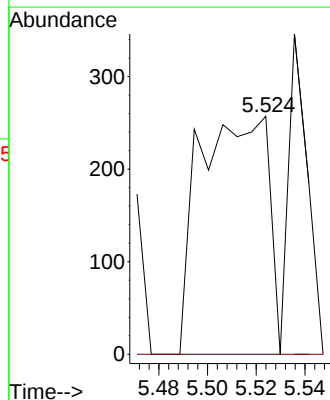
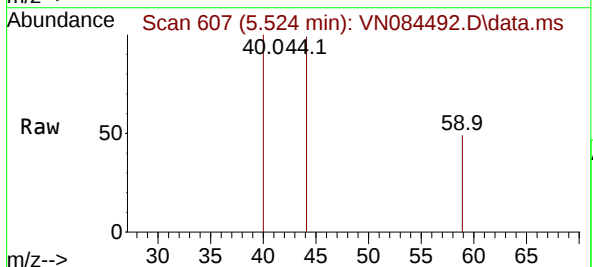


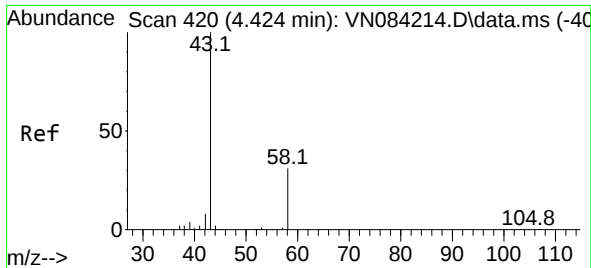
Tgt Ion:168 Resp: 206166
Ion Ratio Lower Upper
168 100
99 65.3 54.2 81.2



#11
Tert butyl alcohol
Concen: 0.996 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

Tgt Ion: 59 Resp: 502
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 37.814 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084492.D

Acq: 24 Oct 2024 16:45

Instrument :

MSVOA_N

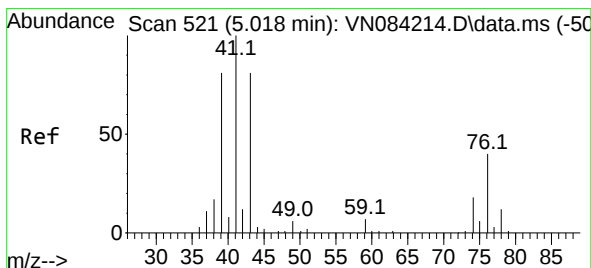
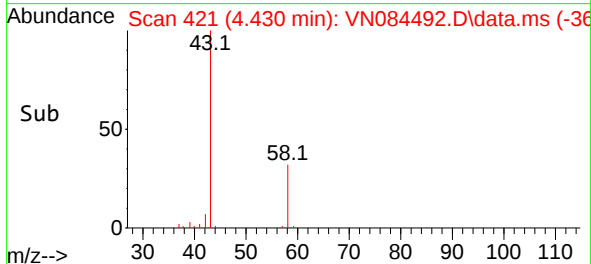
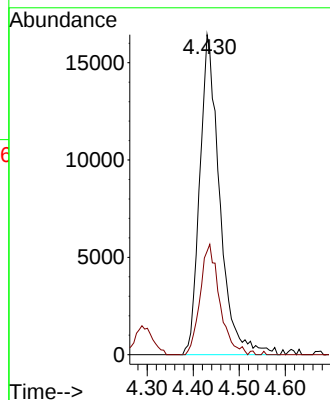
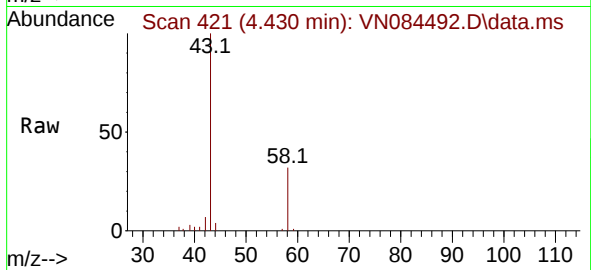
ClientSampleId :

Tgt Ion: 43 Resp: 49655

Ion Ratio Lower Upper

43 100

58 32.3 24.4 36.6



#18

Methyl Acetate

Concen: 0.918 ug/l

RT: 5.042 min Scan# 525

Delta R.T. 0.024 min

Lab File: VN084492.D

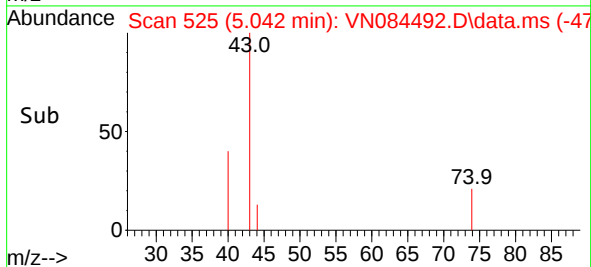
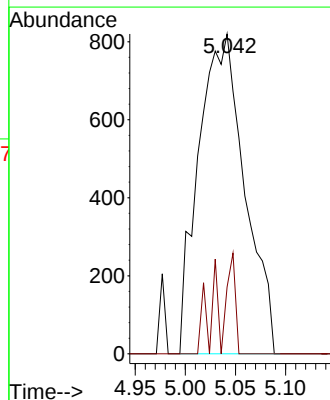
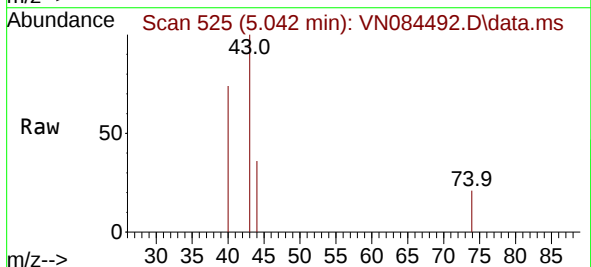
Acq: 24 Oct 2024 16:45

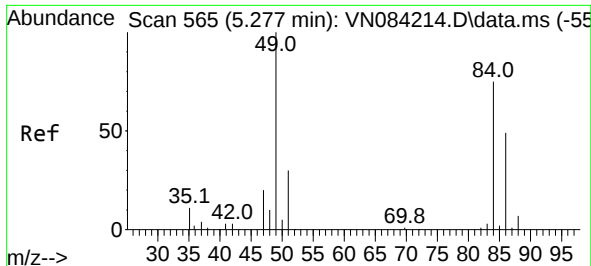
Tgt Ion: 43 Resp: 2626

Ion Ratio Lower Upper

43 100

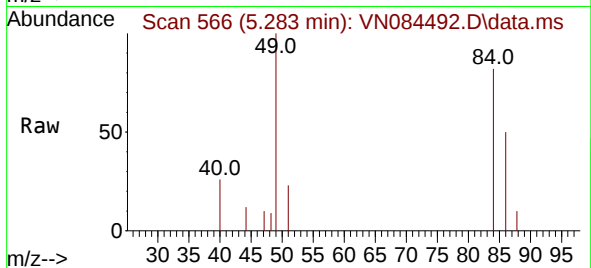
74 5.8 19.2 28.8#



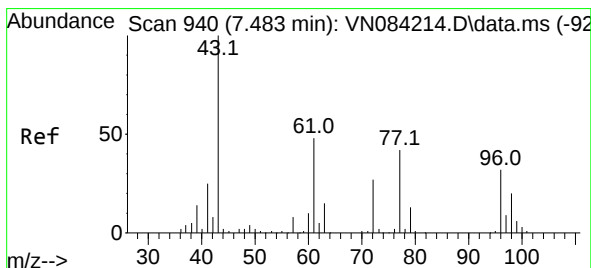
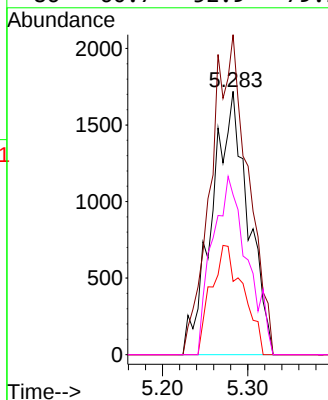
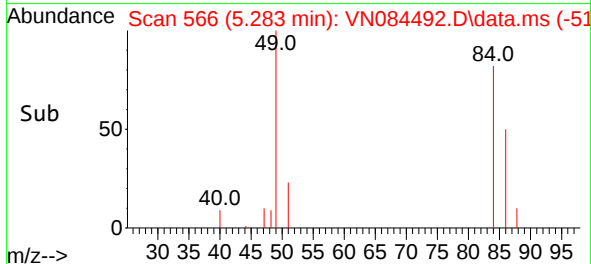


#20
Methylene Chloride
Concen: 1.894 ug/l
RT: 5.283 min Scan# 505
Delta R.T. 0.006 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

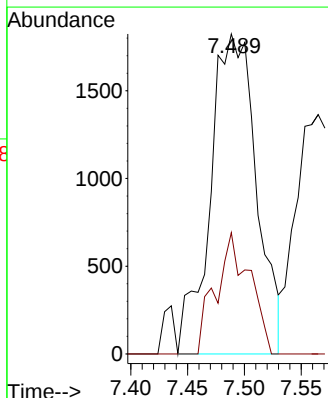
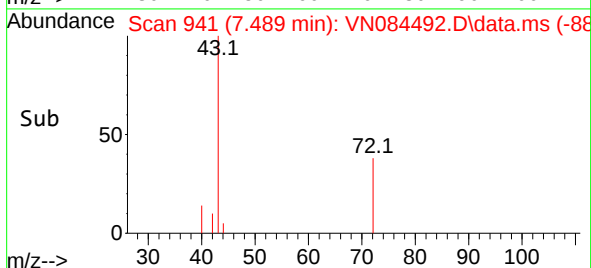
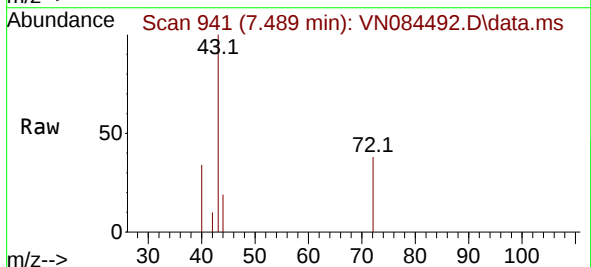


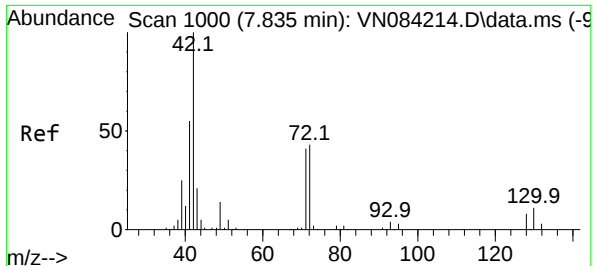
Tgt Ion: 84	Resp: 5055
Ion Ratio	Lower Upper
84	100
49	121.5 107.2 160.8
51	27.8 31.8 47.8#
86	60.7 52.9 79.3



#25
2-Butanone
Concen: 2.885 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

Tgt Ion: 43	Resp: 5159
Ion Ratio	Lower Upper
43	100
72	37.9 21.4 32.2#





#29

Tetrahydrofuran

Concen: 0.582 ug/l

RT: 7.847 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN084492.D

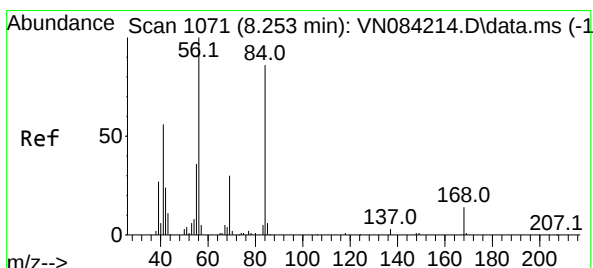
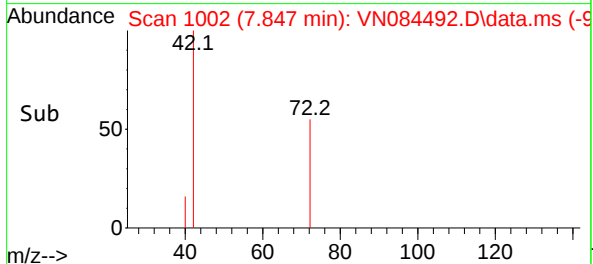
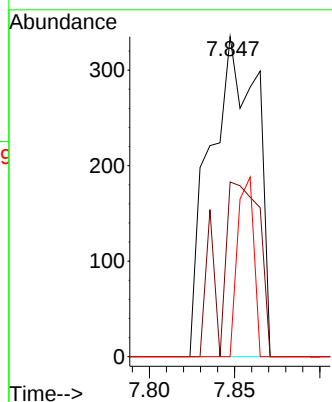
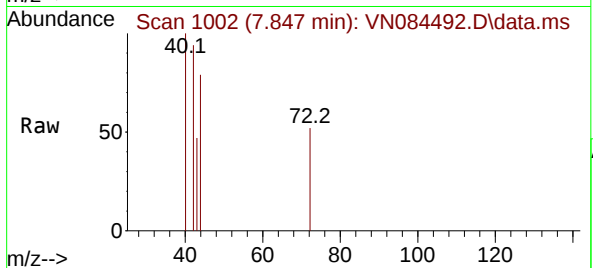
Acq: 24 Oct 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	642
Ion	Ratio	Lower	Upper
42	100		
72	46.1	34.6	51.8
71	19.5	32.2	48.4#



#31

Cyclohexane

Concen: 1.045 ug/l

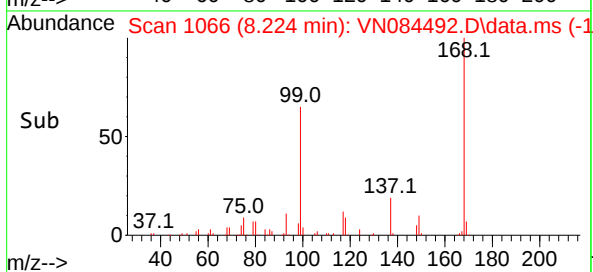
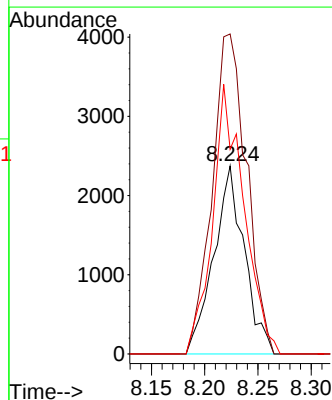
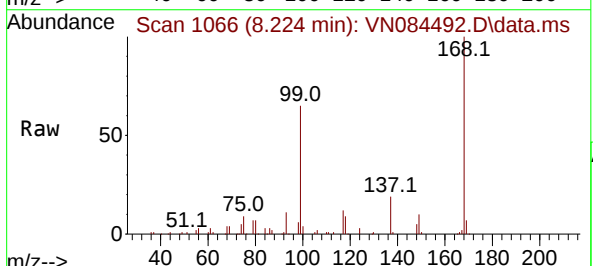
RT: 8.224 min Scan# 1066

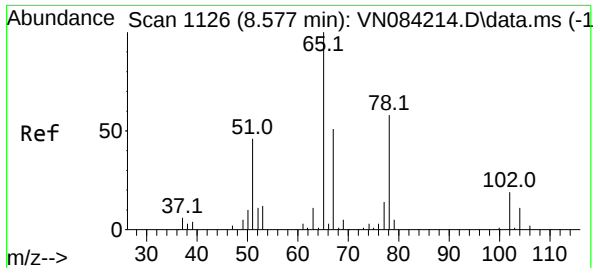
Delta R.T. -0.029 min

Lab File: VN084492.D

Acq: 24 Oct 2024 16:45

Tgt Ion:	56	Resp:	4733
Ion	Ratio	Lower	Upper
56	100		
69	170.2	23.8	35.6#
84	108.8	68.8	103.2#

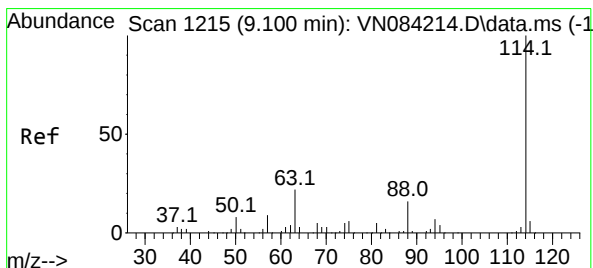
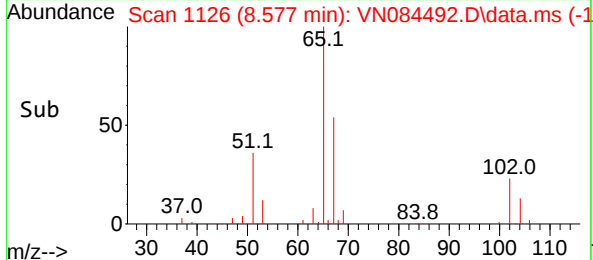
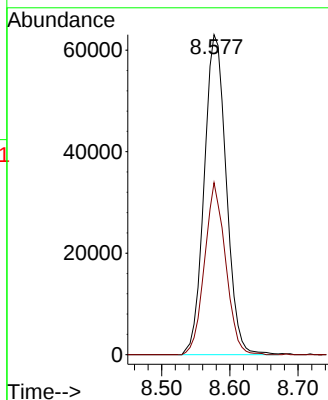
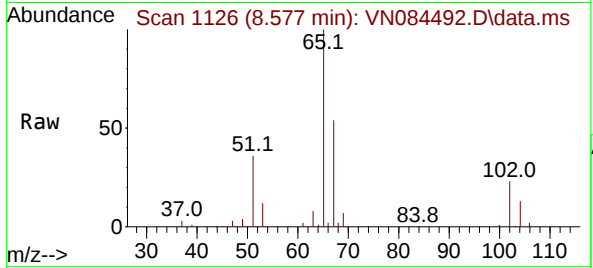




#33
 1,2-Dichloroethane-d4
 Concen: 46.541 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN084492.D
 Acq: 24 Oct 2024 16:45

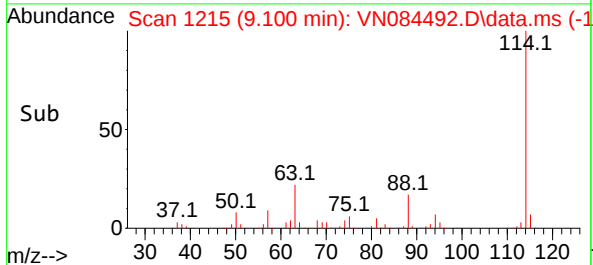
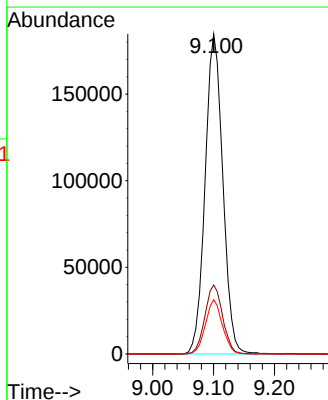
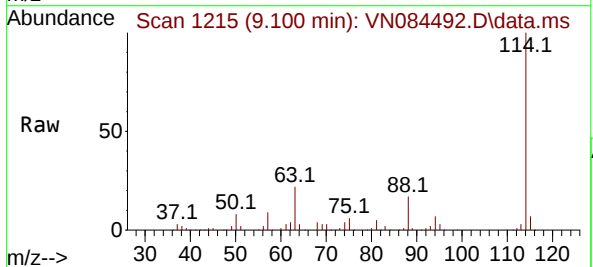
Instrument :
 MSVOA_N
 ClientSampleId :

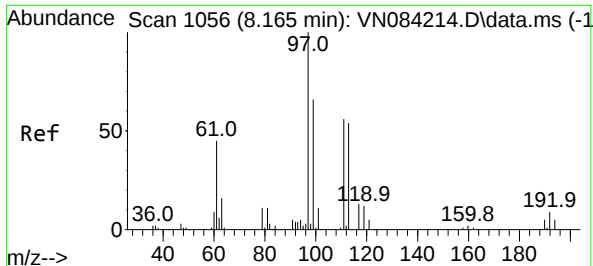
Tgt Ion: 65 Resp: 142267
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084492.D
 Acq: 24 Oct 2024 16:45

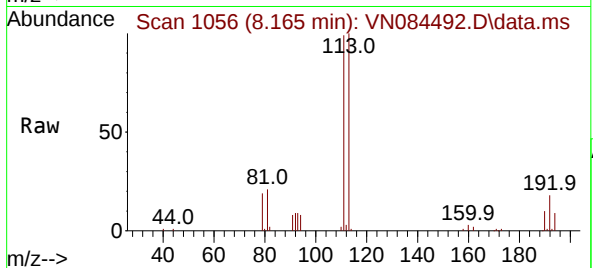
Tgt Ion: 114 Resp: 372951
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.8
 88 17.0 0.0 31.6



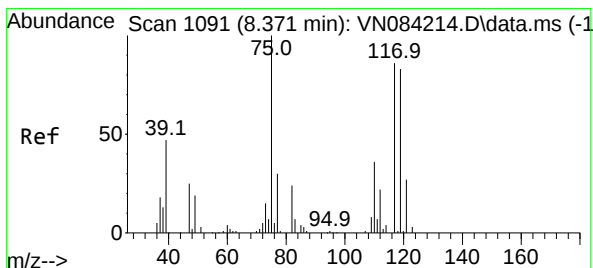
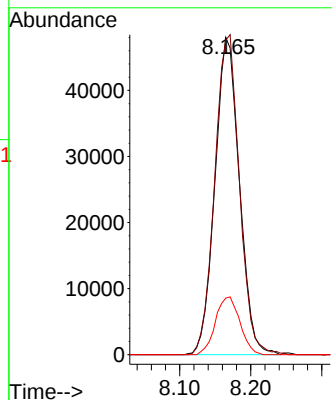
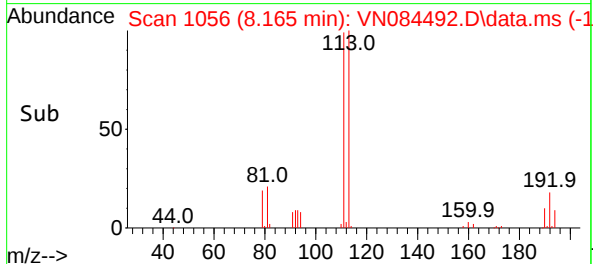


#35
Dibromofluoromethane
Concen: 46.662 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

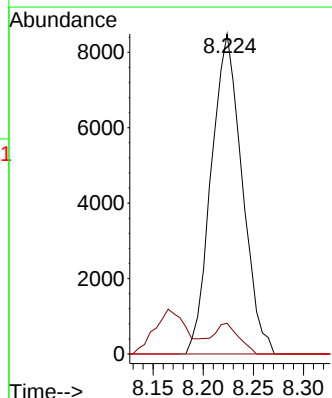
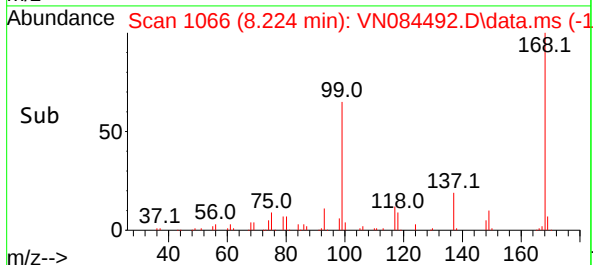
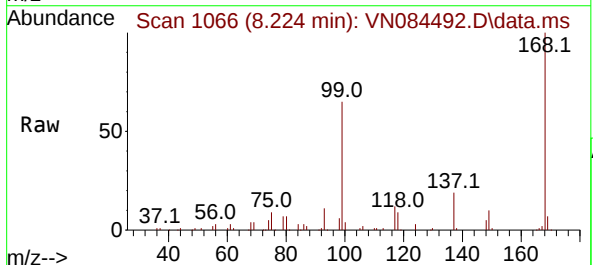


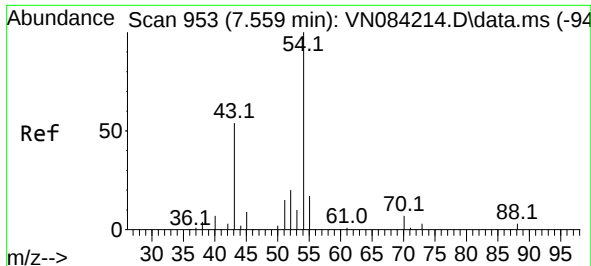
Tgt Ion:113 Resp: 114728
Ion Ratio Lower Upper
113 100
111 101.7 83.3 124.9
192 18.2 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.089 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

Tgt Ion: 75 Resp: 18176
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.056 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

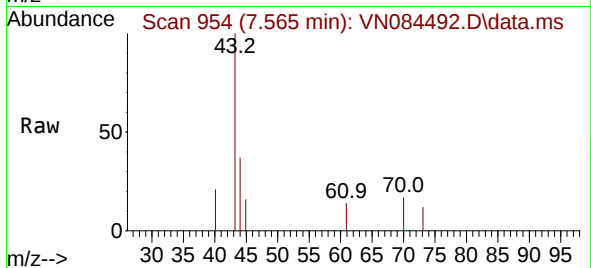
Lab File: VN084492.D

Acq: 24 Oct 2024 16:45

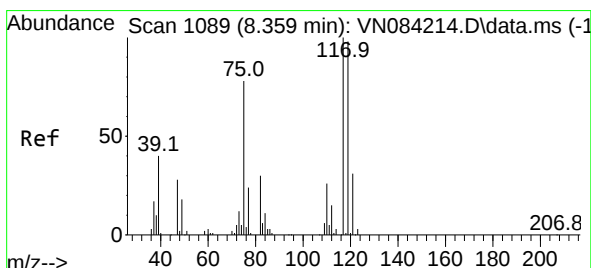
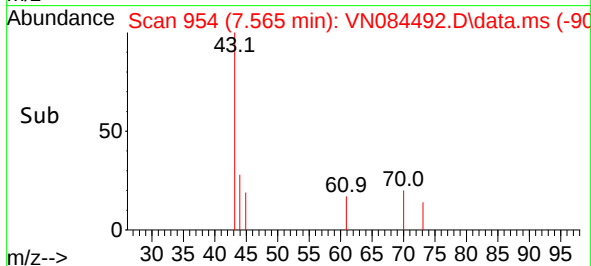
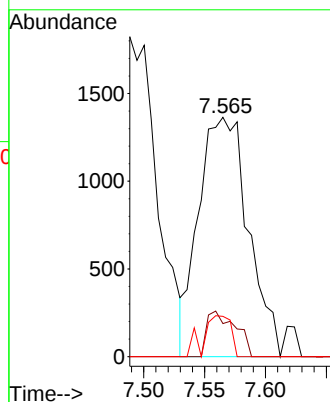
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3868
Ion	Ratio	Lower	Upper
43	100		
61	10.9	10.7	16.1
70	9.4	8.8	13.2



#38

Carbon Tetrachloride

Concen: 5.843 ug/l

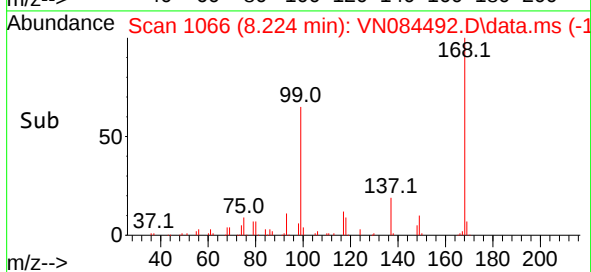
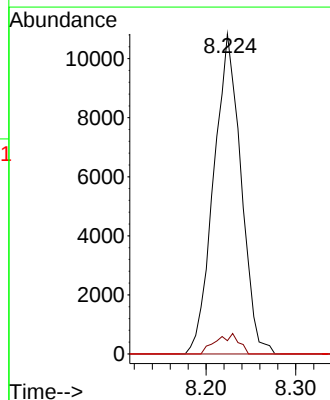
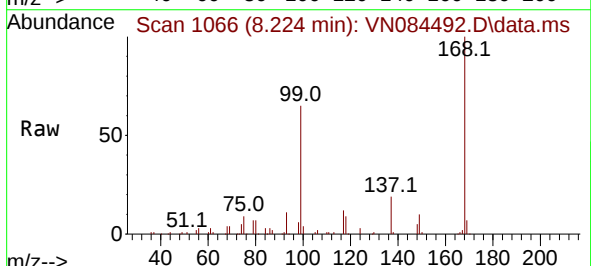
RT: 8.224 min Scan# 1066

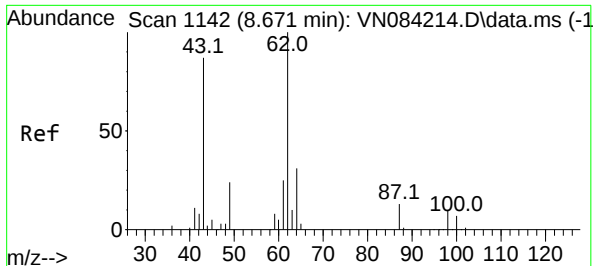
Delta R.T. -0.135 min

Lab File: VN084492.D

Acq: 24 Oct 2024 16:45

Tgt Ion:	117	Resp:	22889
Ion	Ratio	Lower	Upper
117	100		
119	4.1	78.7	118.1#
121	0.0	24.4	36.6#





#42

1,2-Dichloroethane

Concen: 0.334 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN084492.D

Acq: 24 Oct 2024 16:45

Instrument :

MSVOA_N

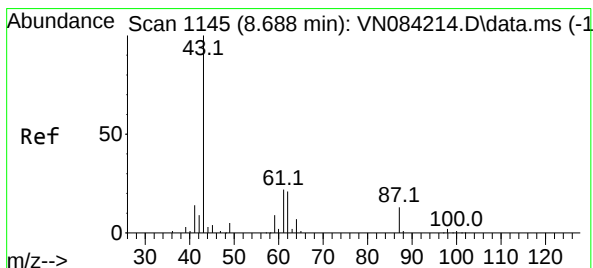
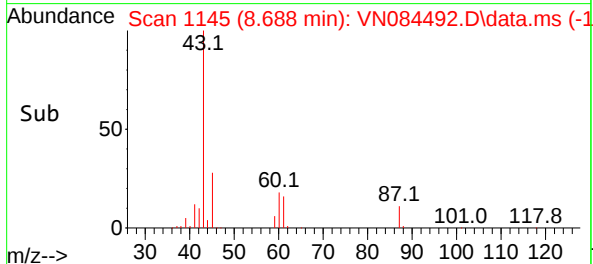
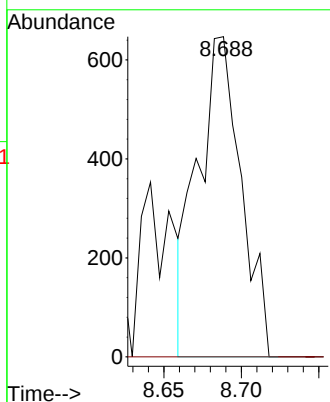
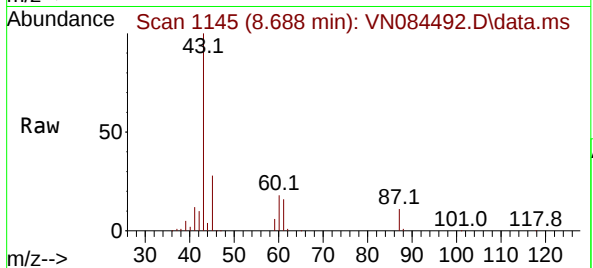
ClientSampleId :

Tgt Ion: 62 Resp: 1260

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 26.766 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084492.D

Acq: 24 Oct 2024 16:45

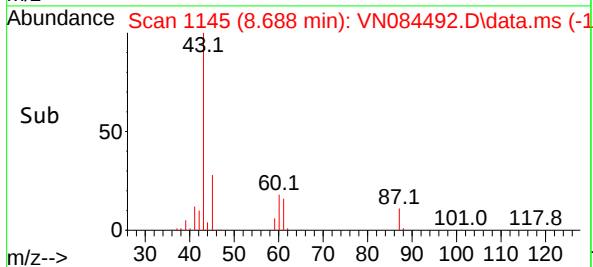
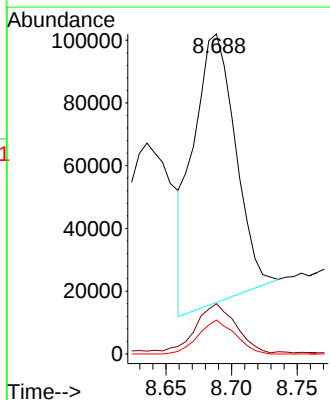
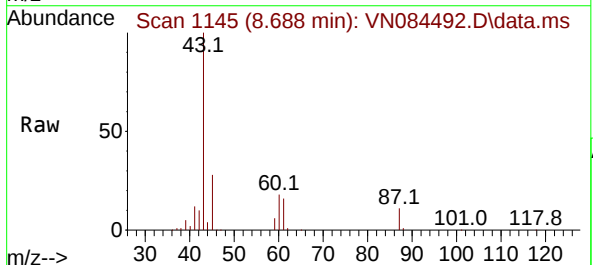
Tgt Ion: 43 Resp: 192085

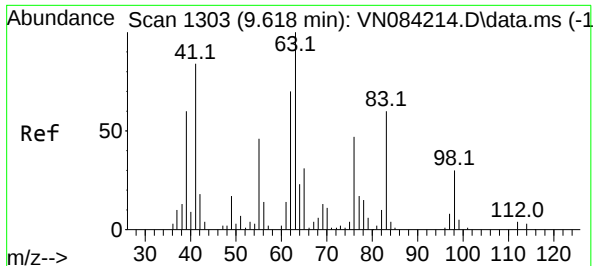
Ion Ratio Lower Upper

43 100

61 19.8 20.4 30.6#

87 11.0 10.3 15.5





#45

1,2-Dichloropropane

Concen: 0.649 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.129 min

Lab File: VN084492.D

Acq: 24 Oct 2024 16:45

Instrument :

MSVOA_N

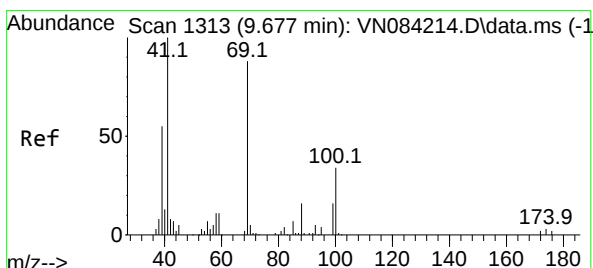
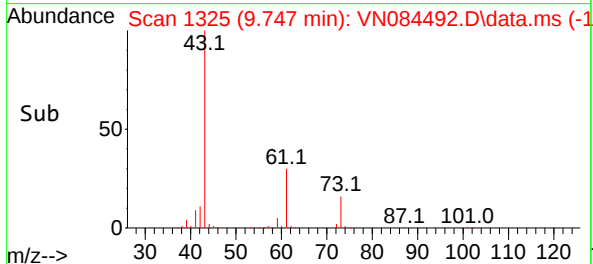
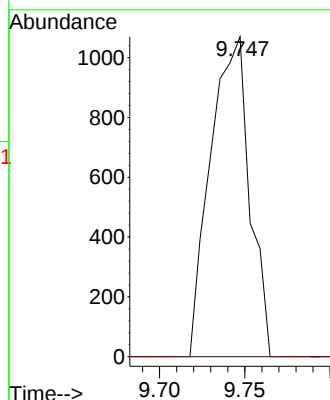
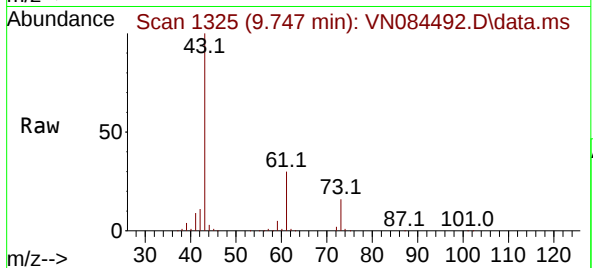
ClientSampleId :

Tgt Ion: 63 Resp: 1708

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.410 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084492.D

Acq: 24 Oct 2024 16:45

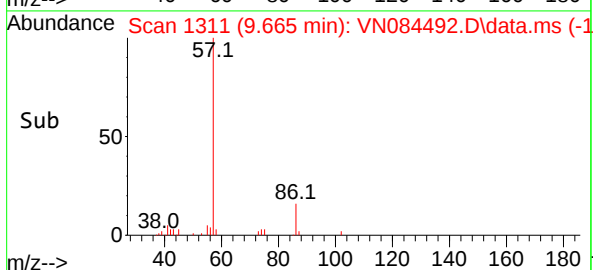
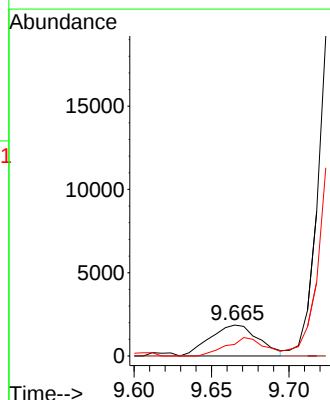
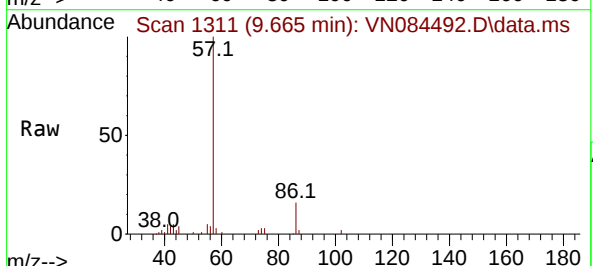
Tgt Ion: 41 Resp: 4029

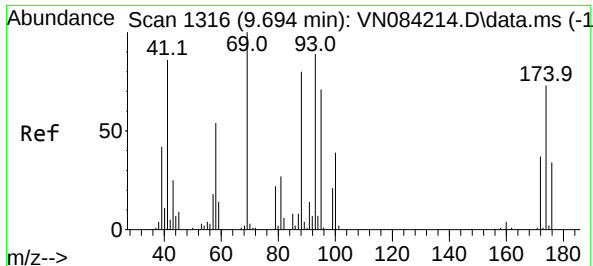
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 46.5 45.8 68.6





#49

1,4-Dioxane

Concen: 1.008 ug/l

RT: 9.730 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN084492.D

Acq: 24 Oct 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

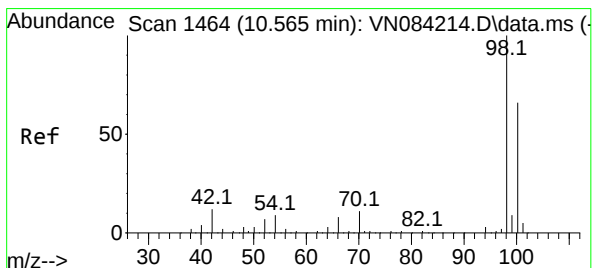
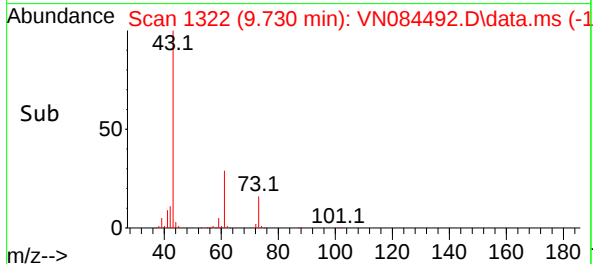
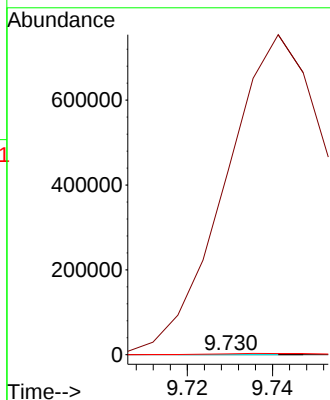
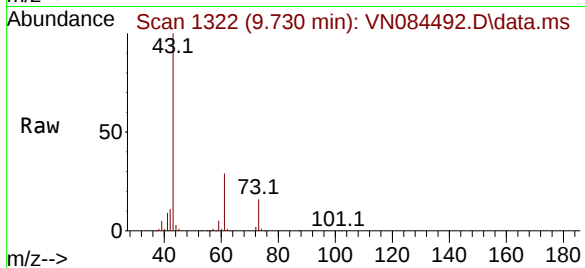
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 2499922.6 25.3 37.9#

58 10628.3 56.4 84.6#



#50

Toluene-d8

Concen: 48.971 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084492.D

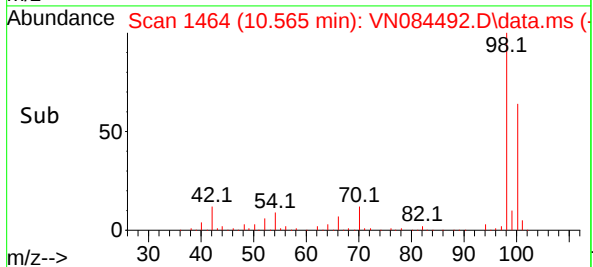
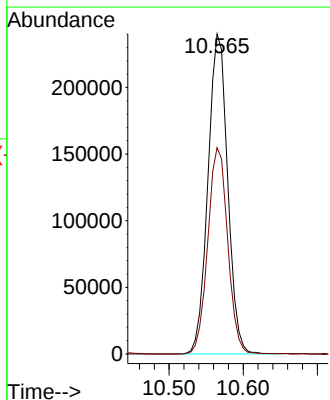
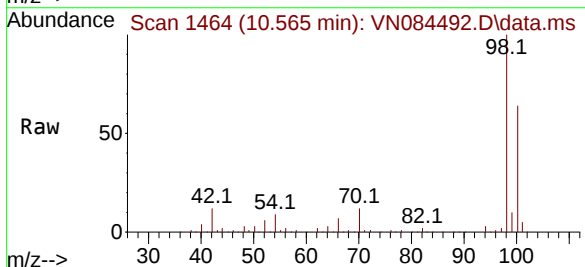
Acq: 24 Oct 2024 16:45

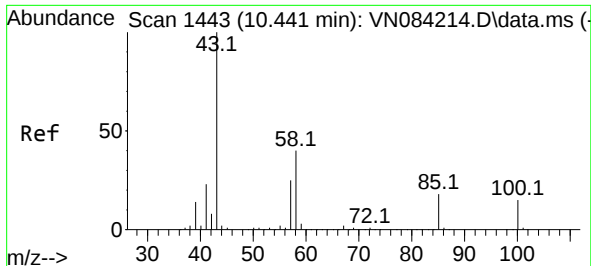
Tgt Ion: 98 Resp: 442992

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1

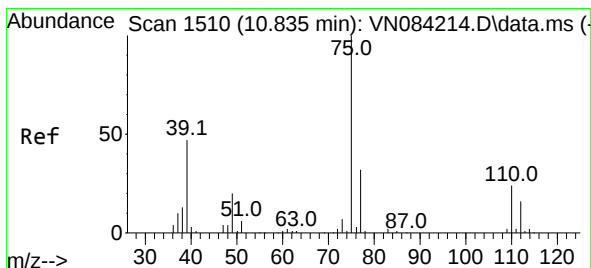
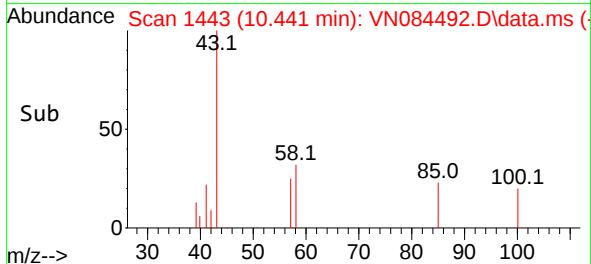
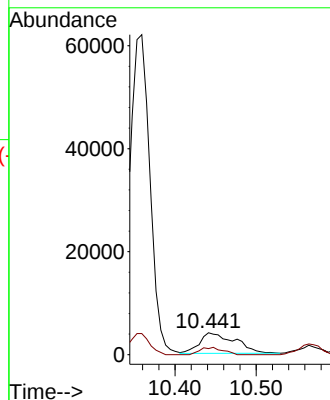
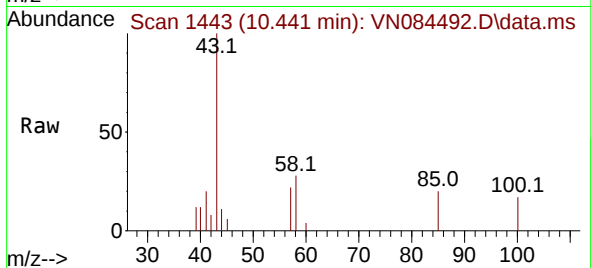




#51
4-Methyl-2-Pentanone
Concen: 3.477 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

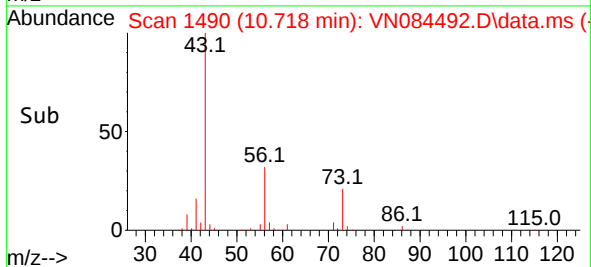
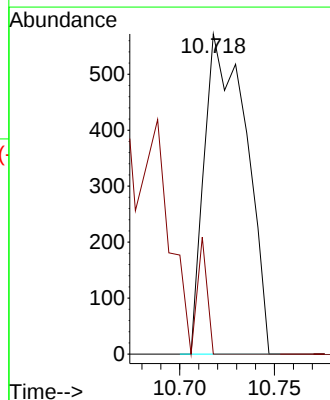
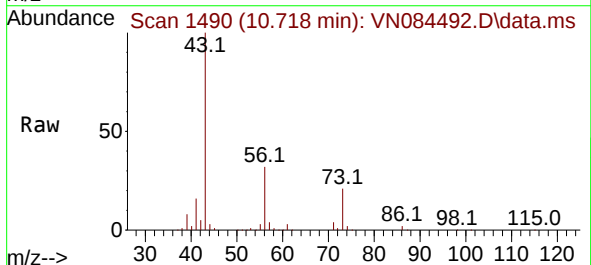
Instrument :
MSVOA_N
ClientSampleId :

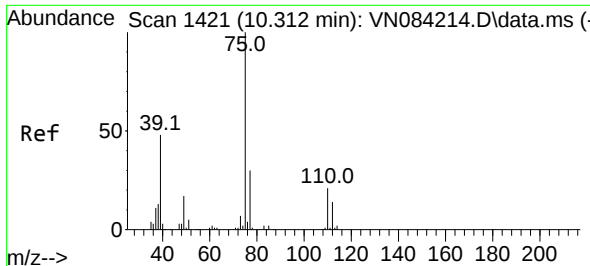
Tgt Ion: 43 Resp: 12129
Ion Ratio Lower Upper
43 100
58 22.9 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.218 ug/l
RT: 10.718 min Scan# 1490
Delta R.T. -0.118 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

Tgt Ion: 75 Resp: 877
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

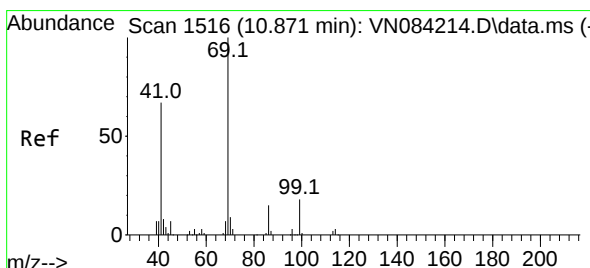
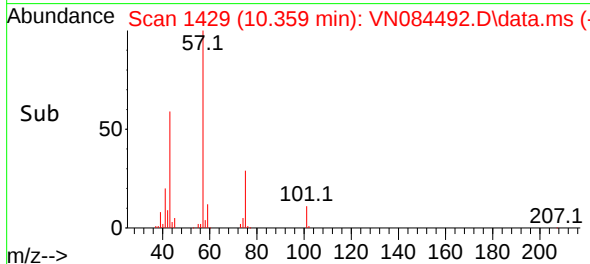
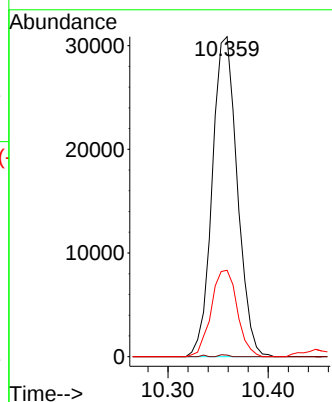
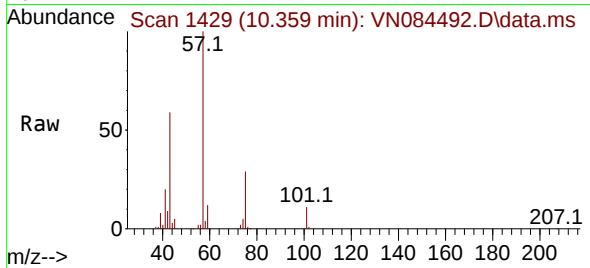




#54
cis-1,3-Dichloropropene
Concen: 12.358 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

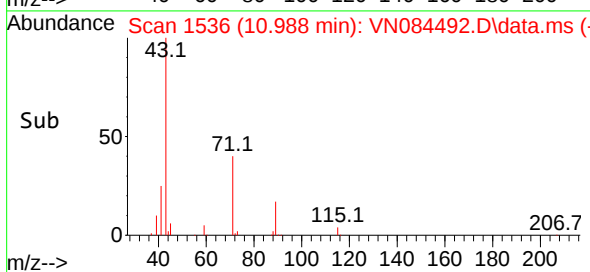
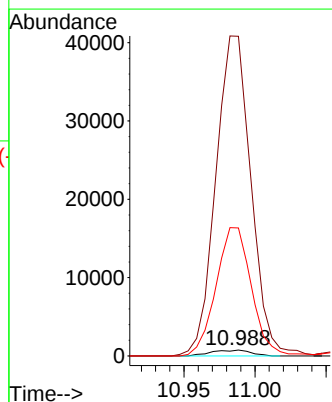
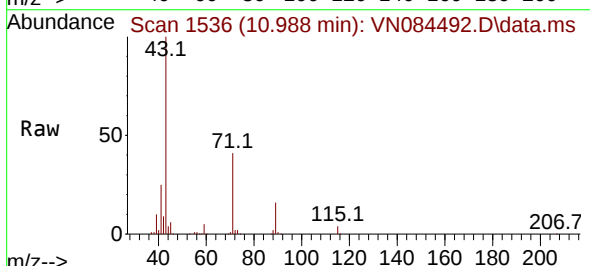
Instrument :
MSVOA_N
ClientSampleId :

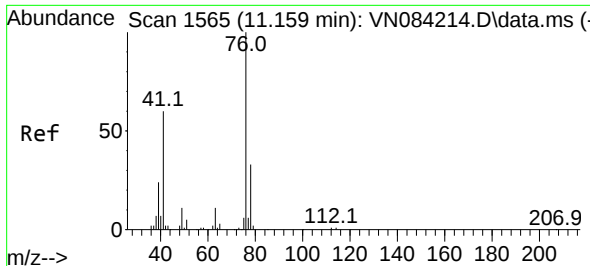
Tgt Ion: 75 Resp: 53475
Ion Ratio Lower Upper
75 100
77 0.5 24.2 36.2#
39 27.0 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.365 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

Tgt Ion: 69 Resp: 1462
Ion Ratio Lower Upper
69 100
41 4829.8 53.3 79.9#
39 1950.5 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.617 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

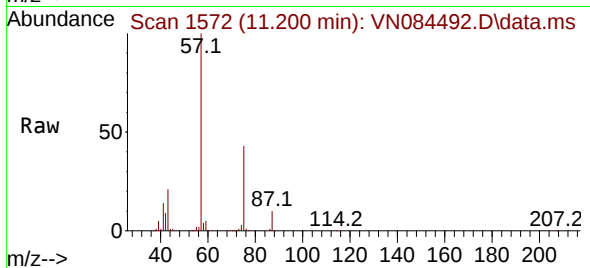
Lab File: VN084492.D

Acq: 24 Oct 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

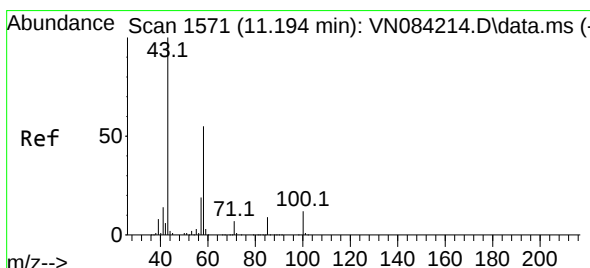
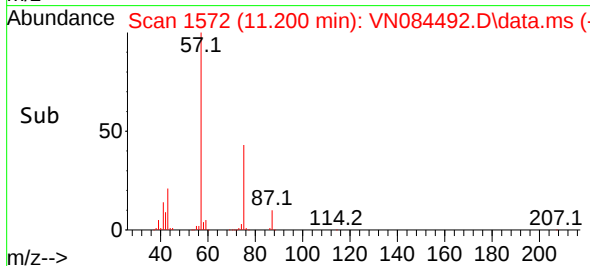
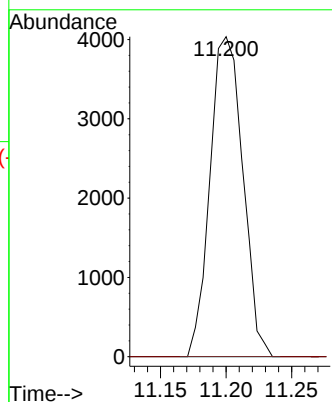


Tgt Ion: 76 Resp: 7030

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 49.785 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN084492.D

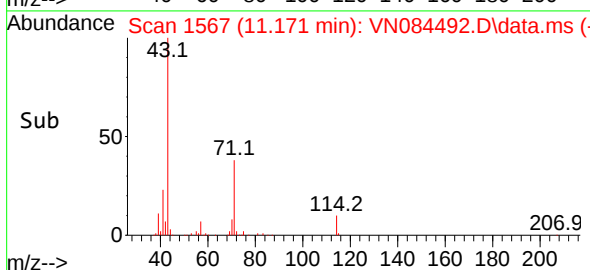
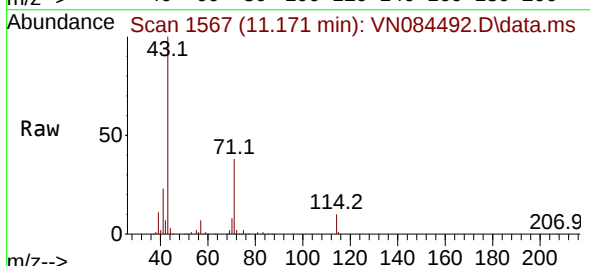
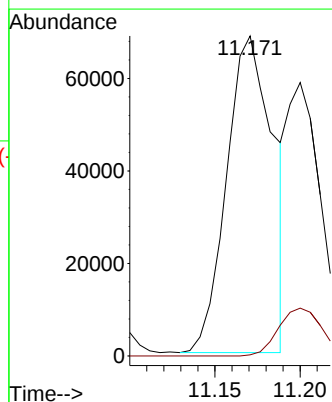
Acq: 24 Oct 2024 16:45

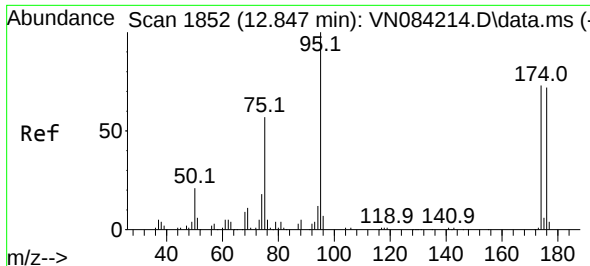
Tgt Ion: 43 Resp: 129785

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

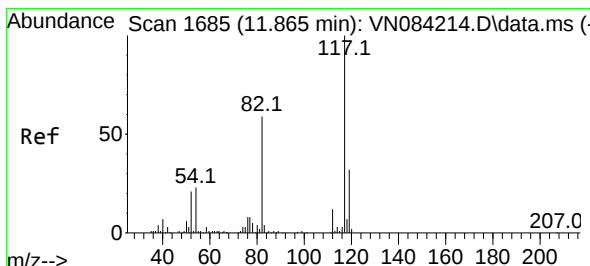
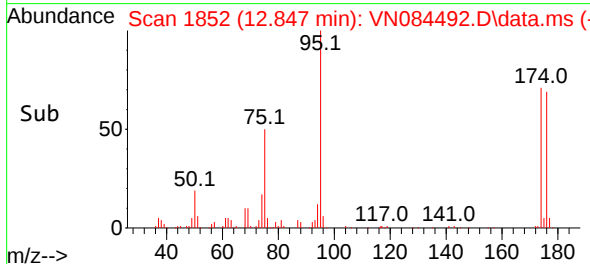
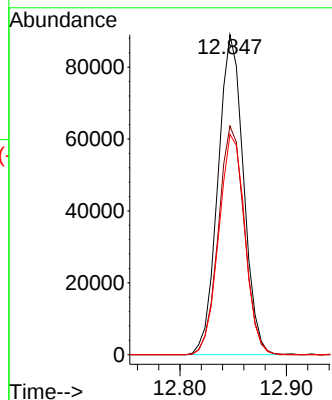
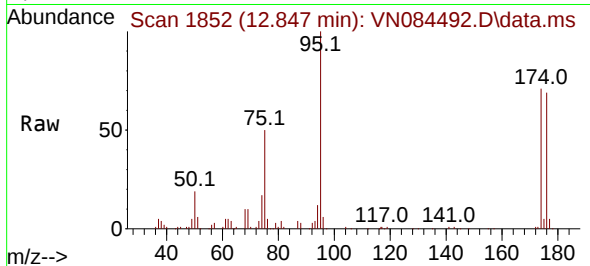




#62
4-Bromofluorobenzene
Concen: 44.931 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

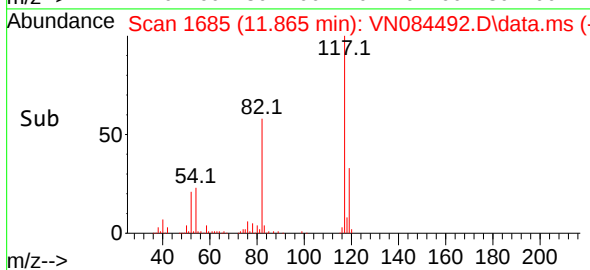
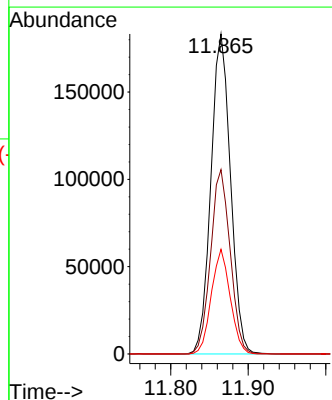
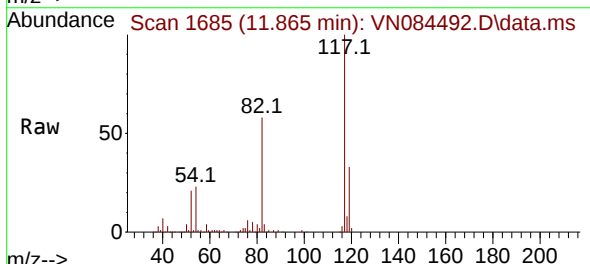
Instrument :
MSVOA_N
ClientSampleId :

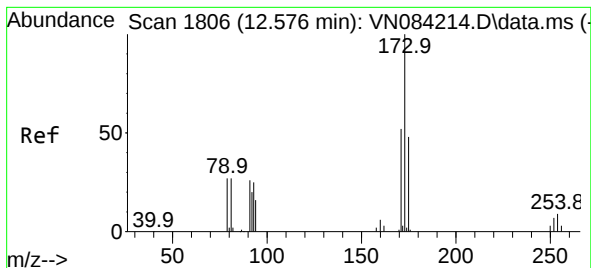
Tgt Ion: 95 Resp: 148070
Ion Ratio Lower Upper
95 100
174 72.7 0.0 145.2
176 70.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

Tgt Ion: 117 Resp: 321975
Ion Ratio Lower Upper
117 100
82 57.6 47.2 70.8
119 32.7 25.4 38.0





#71

Bromoform

Concen: 0.415 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

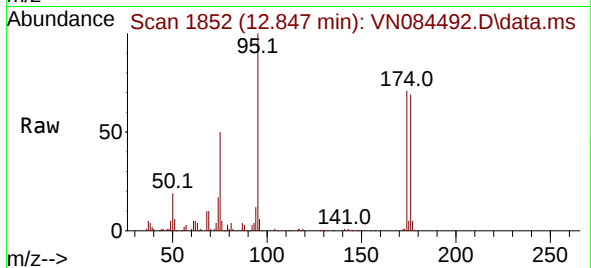
Lab File: VN084492.D

Acq: 24 Oct 2024 16:45

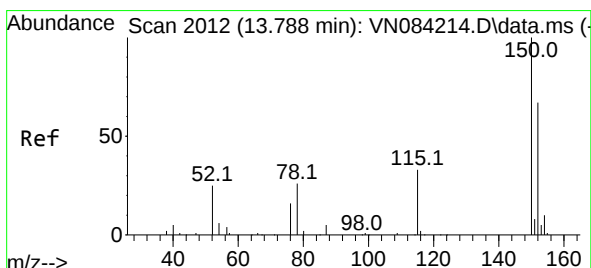
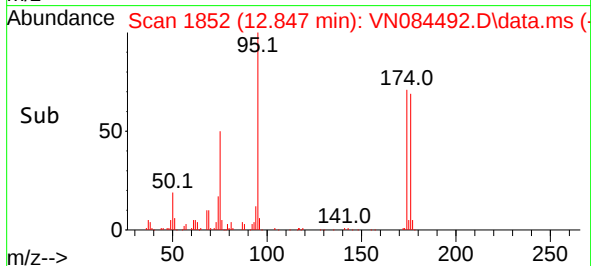
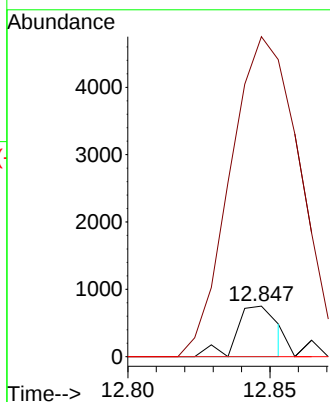
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	752
Ion Ratio	Lower	Upper	
173	100		
175	802.5	23.5	70.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

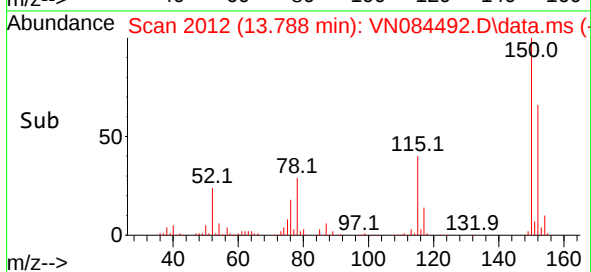
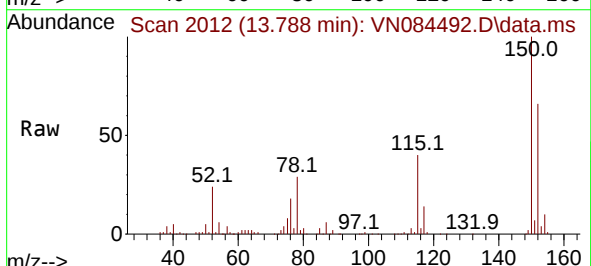
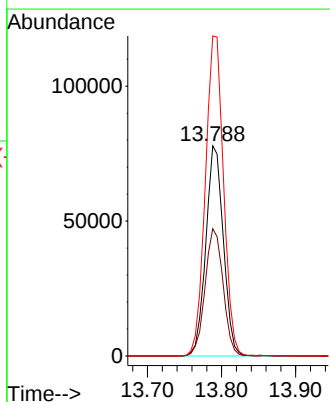
RT: 13.788 min Scan# 2012

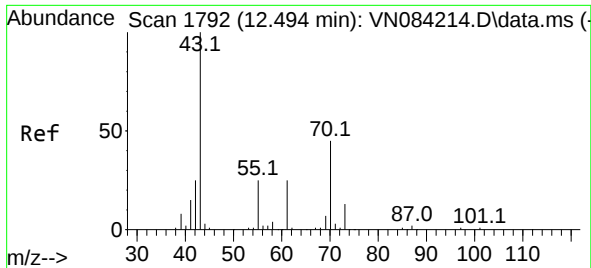
Delta R.T. 0.000 min

Lab File: VN084492.D

Acq: 24 Oct 2024 16:45

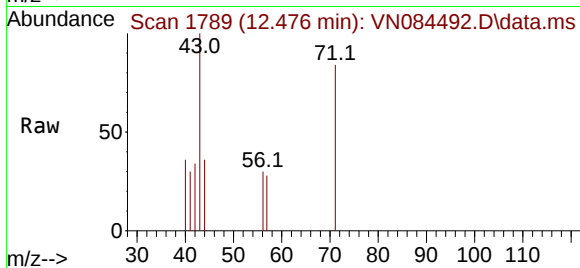
Tgt Ion:	152	Resp:	128006
Ion Ratio	Lower	Upper	
152	100		
115	62.1	31.3	93.9
150	157.4	0.0	349.8



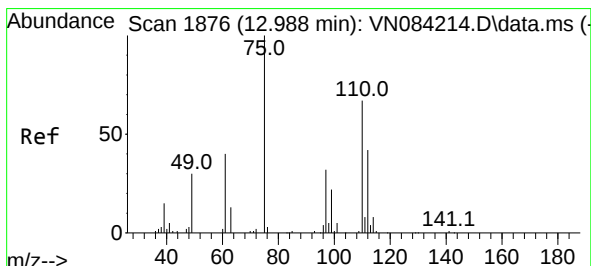
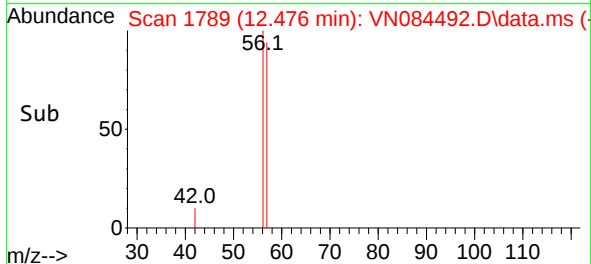
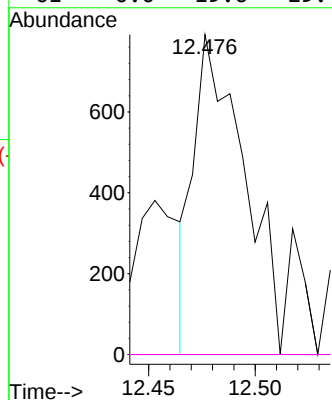


#74
N-amy1 acetate
Concen: 0.291 ug/l
RT: 12.476 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

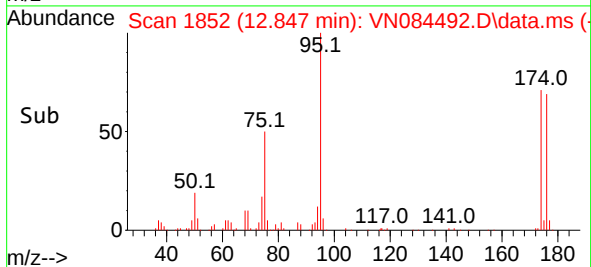
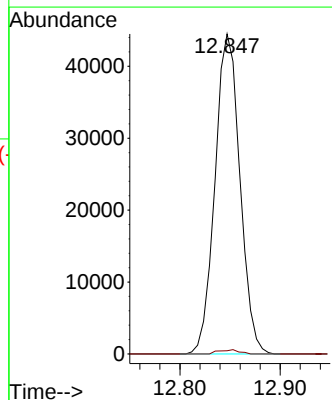
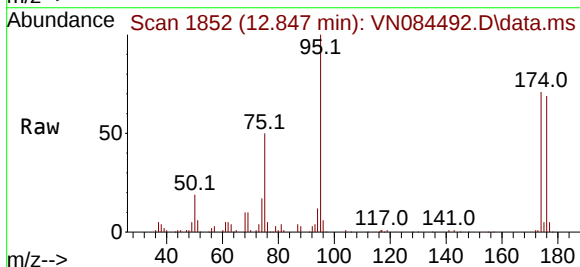


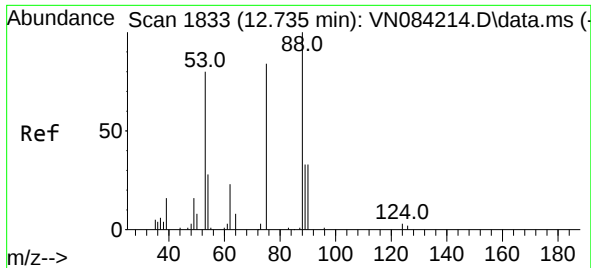
Tgt Ion: 43	Resp: 1288
Ion Ratio	Lower Upper
43 100	
70 0.0	34.4 51.6#
55 0.0	19.6 29.4#
61 0.0	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 29.386 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

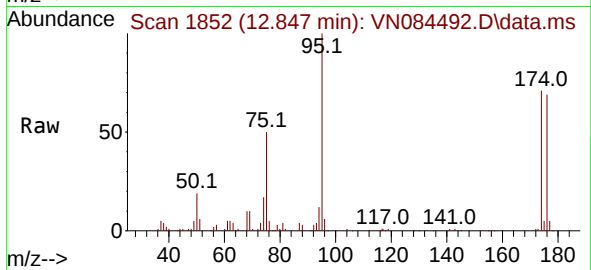
Tgt Ion: 75	Resp: 76793
Ion Ratio	Lower Upper
75 100	
77 1.1	96.9 290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.451 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084492.D
Acq: 24 Oct 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 76793
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

