

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102924\
 Data File : VN084564.D
 Acq On : 29 Oct 2024 15:17
 Operator : JC\MD
 Sample : P4574-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:04:13 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

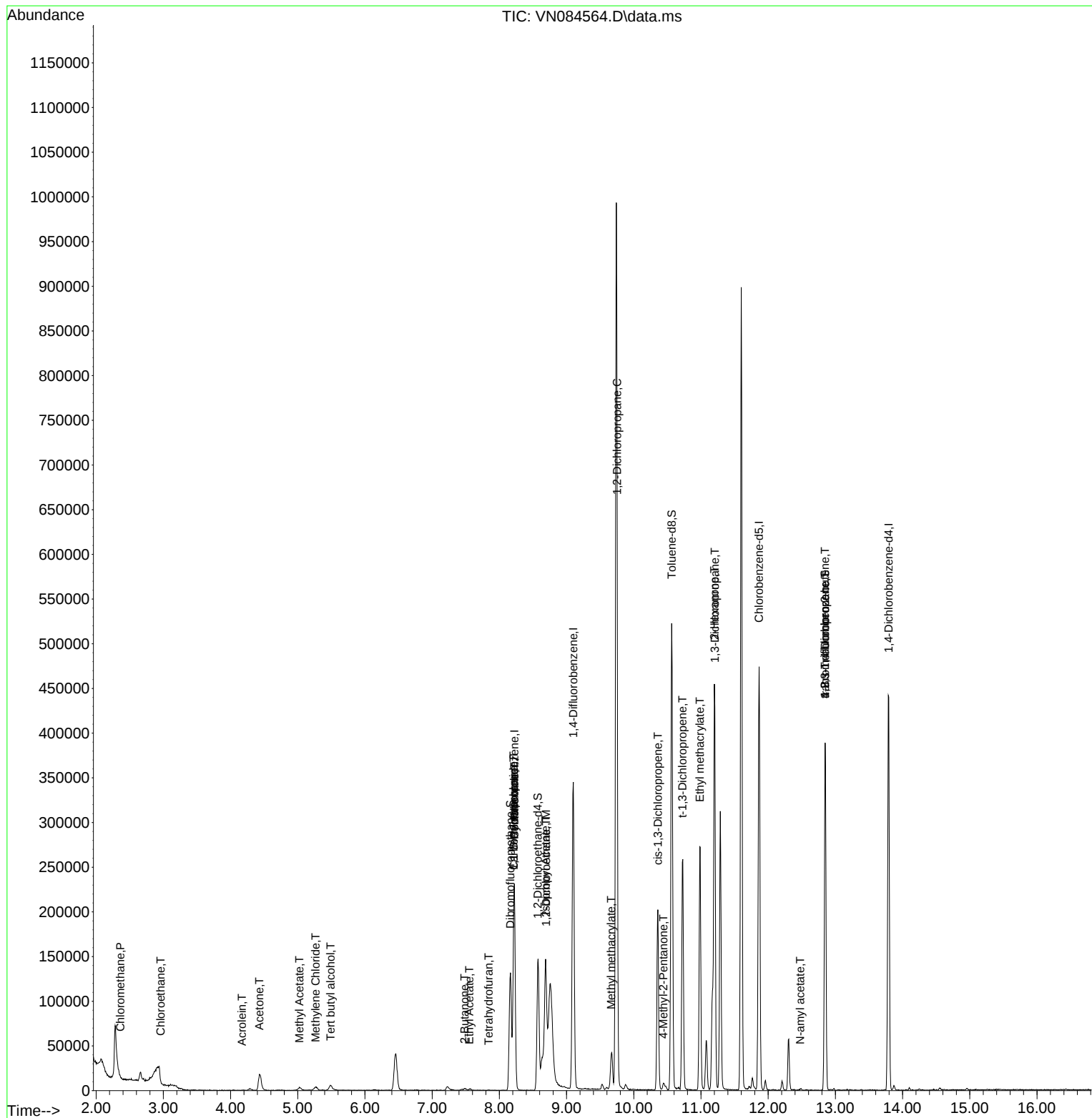
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	161476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	122960	51.358	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.720%	
35) Dibromofluoromethane	8.165	113	98129	50.033	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.060%	
50) Toluene-d8	10.565	98	356512	49.408	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.820%	
62) 4-Bromofluorobenzene	12.847	95	133337	50.722	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.440%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	696	0.319	ug/l #	41
6) Chloroethane	2.959	64	700	0.463	ug/l #	89
11) Tert butyl alcohol	5.489	59	5687	14.405	ug/l #	73
13) Acrolein	4.171	56	341	0.752	ug/l #	35
16) Acetone	4.430	43	34816	33.852	ug/l	92
18) Methyl Acetate	5.024	43	6264	2.794	ug/l	100
20) Methylene Chloride	5.265	84	2840	1.358	ug/l #	84
25) 2-Butanone	7.483	43	4038	2.883	ug/l	95
29) Tetrahydrofuran	7.841	42	257	0.297	ug/l #	34
31) Cyclohexane	8.224	56	3992	1.126	ug/l #	1
36) 1,1-Dichloropropene	8.212	75	14220	4.992	ug/l #	48
37) Ethyl Acetate	7.553	43	2991	1.023	ug/l #	73
38) Carbon Tetrachloride	8.212	117	18375	5.880	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	797	0.265	ug/l #	75
43) Isopropyl Acetate	8.688	43	205743	35.940	ug/l #	76
45) 1,2-Dichloropropane	9.753	63	1208	0.575	ug/l #	44
48) Methyl methacrylate	9.665	41	2926	1.284	ug/l #	13
51) 4-Methyl-2-Pentanone	10.441	43	4271	1.535	ug/l	97
53) t-1,3-Dichloropropene	10.724	75	644	0.201	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	36385	10.541	ug/l #	62
56) Ethyl methacrylate	10.982	69	1492	0.467	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4681	1.350	ug/l #	42
59) 2-Hexanone	11.200	43	57962	27.873	ug/l #	55
74) N-amyl acetate	12.476	43	1343	0.329	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	68384	28.313	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68384	67.878	ug/l #	11

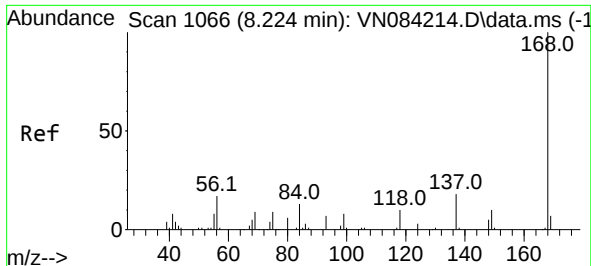
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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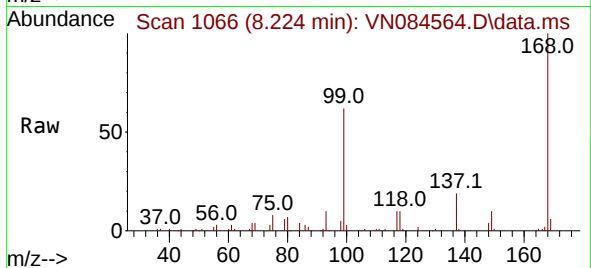
Quant Time: Oct 30 05:04:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
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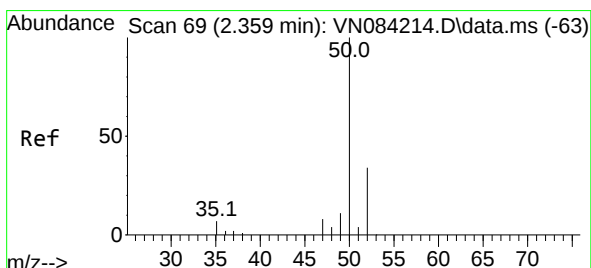
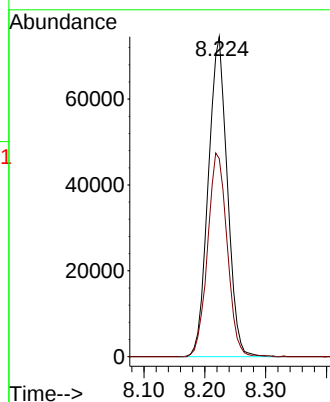
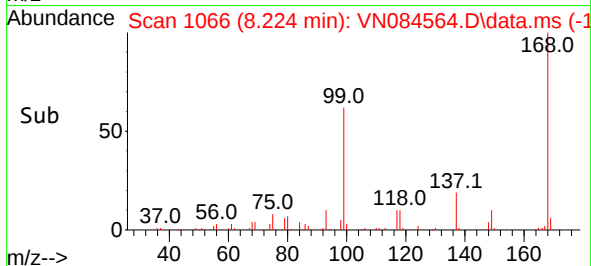


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

Instrument :
MSVOA_N
ClientSampleId :

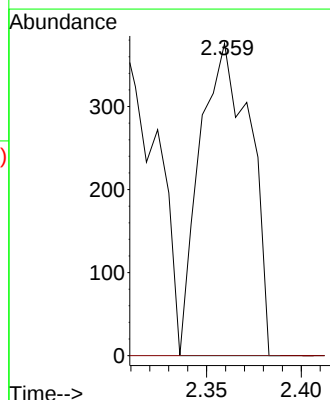
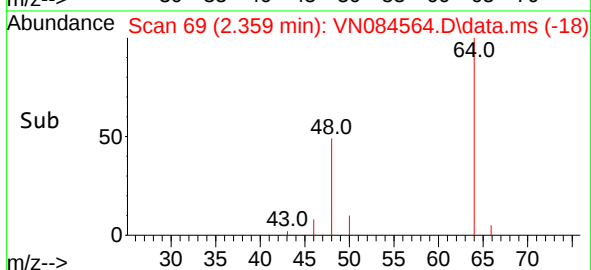
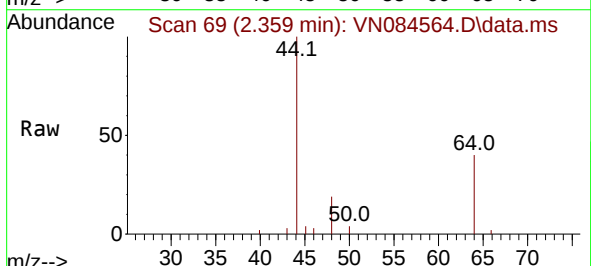


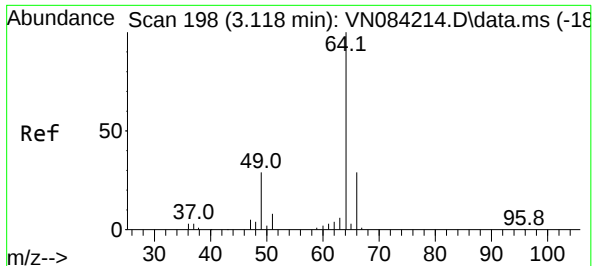
Tgt Ion:168 Resp: 161476
Ion Ratio Lower Upper
168 100
99 61.9 54.2 81.2



#3
Chloromethane
Concen: 0.319 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

Tgt Ion: 50 Resp: 696
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

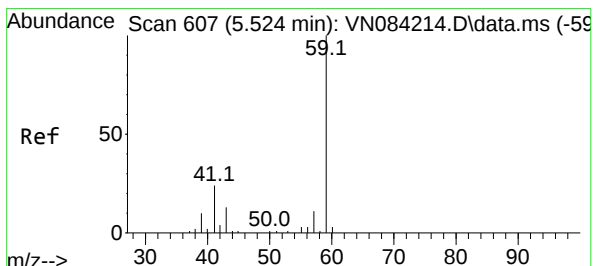
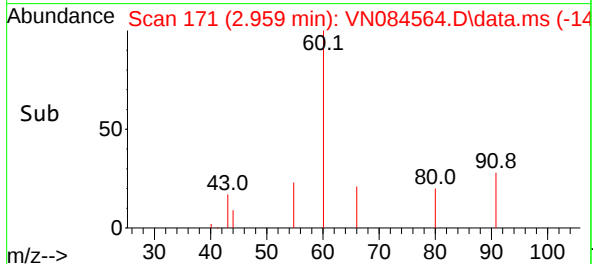
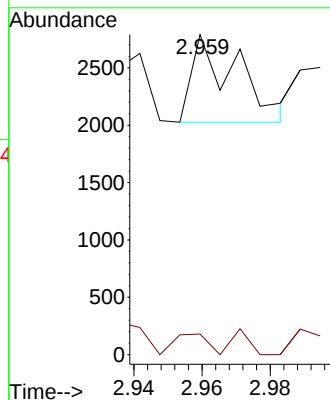
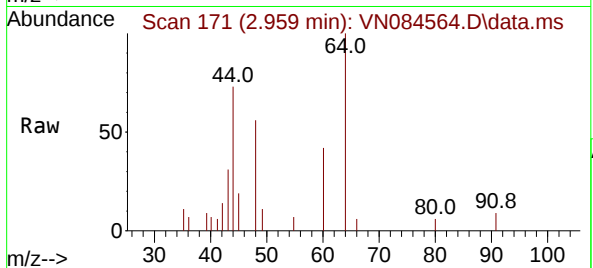




#6
Chloroethane
Concen: 0.463 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.159 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

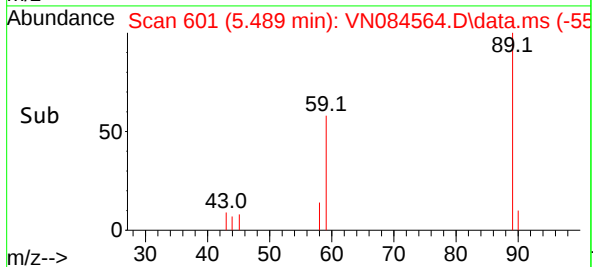
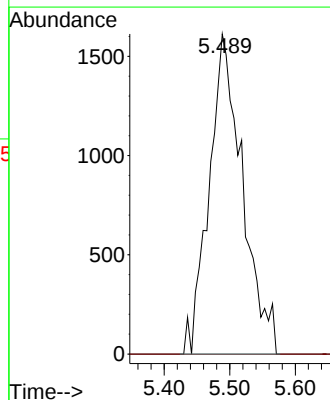
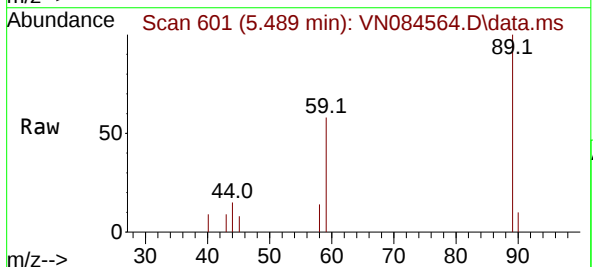
Instrument :
MSVOA_N
ClientSampleId :

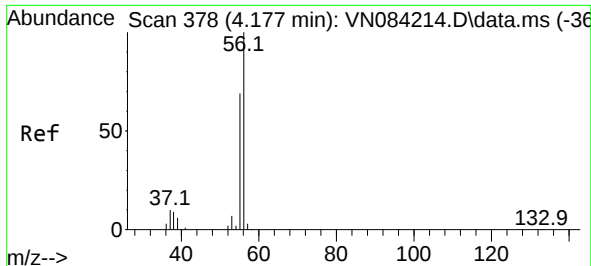
Tgt Ion: 64 Resp: 700
Ion Ratio Lower Upper
64 100
66 23.5 23.5 35.3#



#11
Tert butyl alcohol
Concen: 14.405 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.035 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

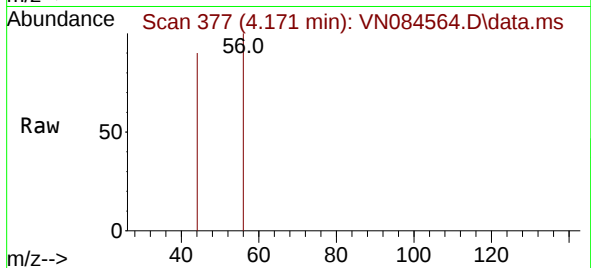
Tgt Ion: 59 Resp: 5687
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



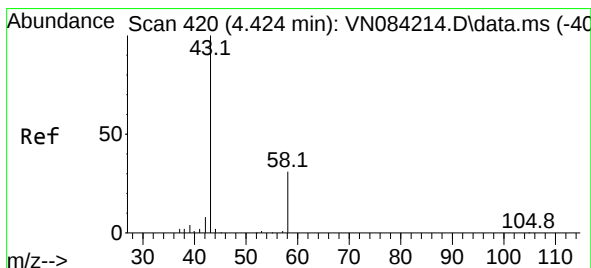
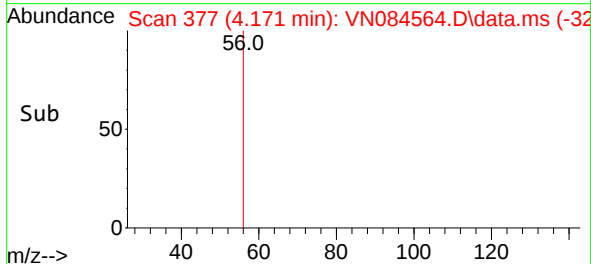
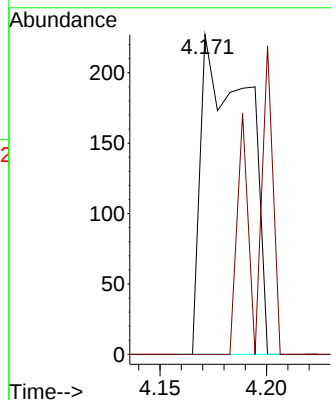


#13
Acrolein
Concen: 0.752 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

Instrument :
MSVOA_N
ClientSampleId :

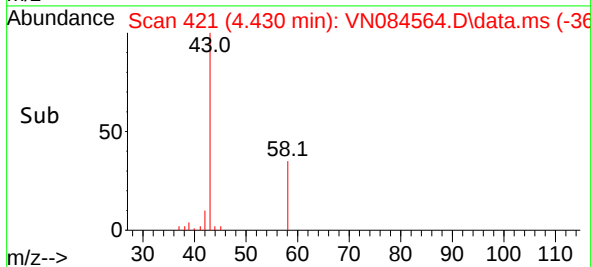
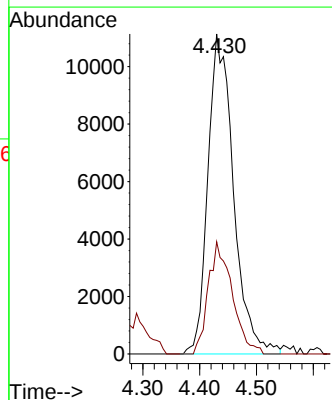
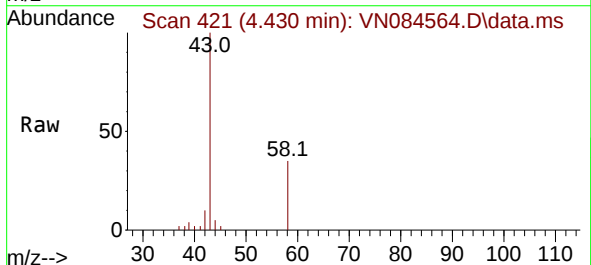


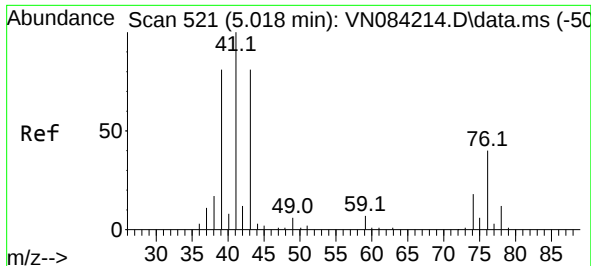
Tgt Ion: 56 Resp: 341
Ion Ratio Lower Upper
56 100
55 17.6 57.2 85.8#



#16
Acetone
Concen: 33.852 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

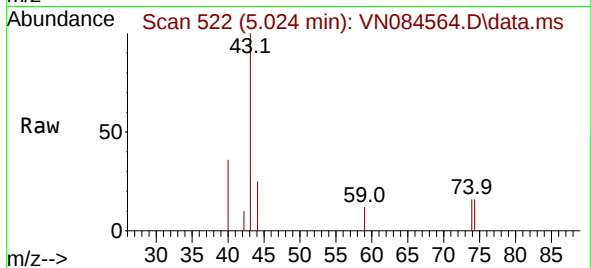
Tgt Ion: 43 Resp: 34816
Ion Ratio Lower Upper
43 100
58 35.0 24.4 36.6



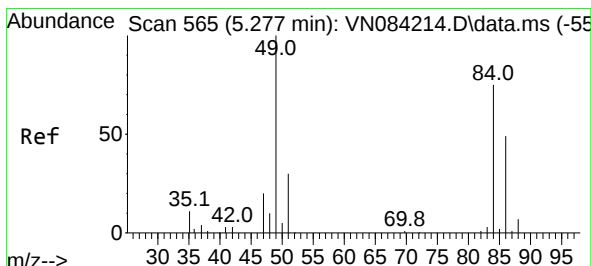
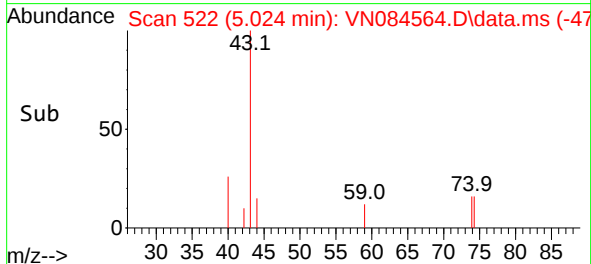
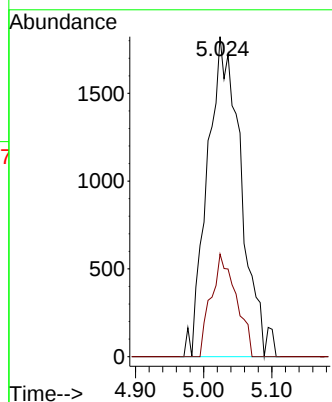


#18
Methyl Acetate
Concen: 2.794 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

Instrument :
MSVOA_N
ClientSampleId :

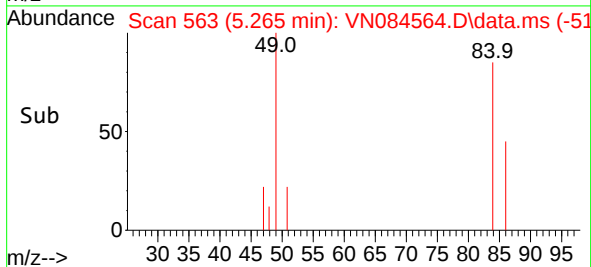
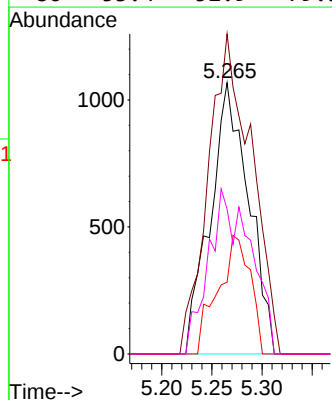
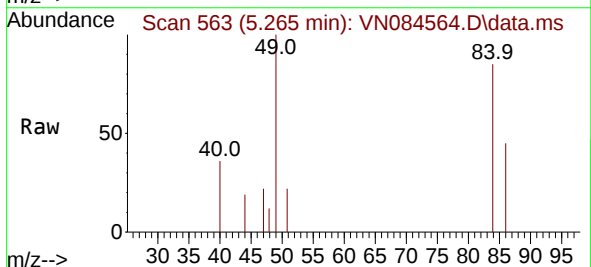


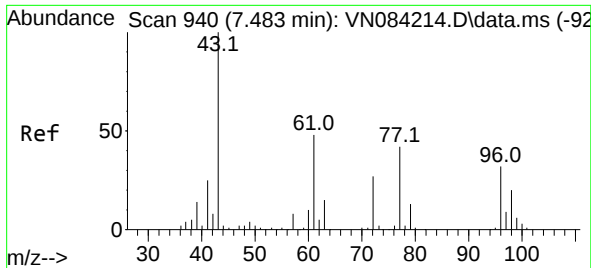
Tgt Ion: 43 Resp: 6264
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8



#20
Methylene Chloride
Concen: 1.358 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

Tgt Ion: 84 Resp: 2840
Ion Ratio Lower Upper
84 100
49 118.0 107.2 160.8
51 26.4 31.8 47.8#
86 53.4 52.9 79.3

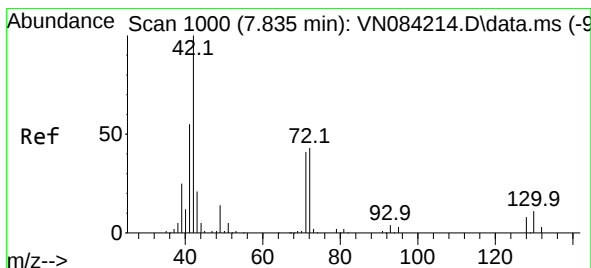
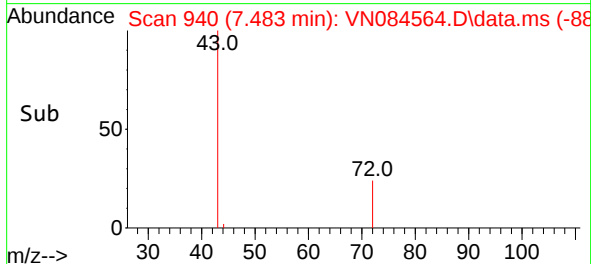
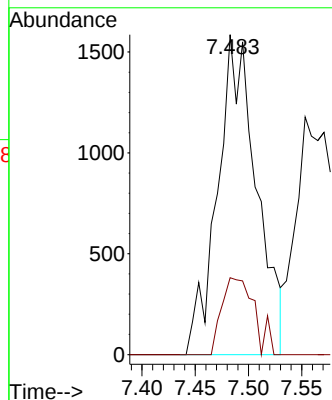
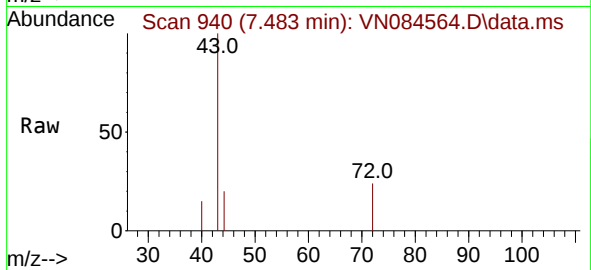




#25
2-Butanone
Concen: 2.883 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

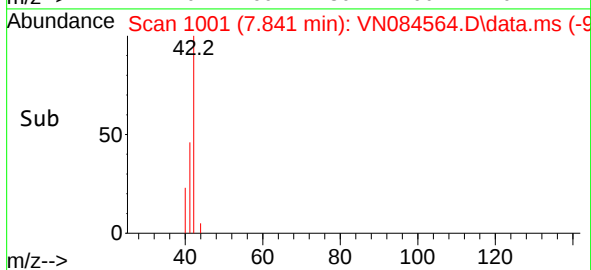
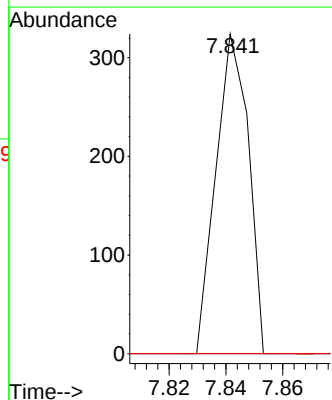
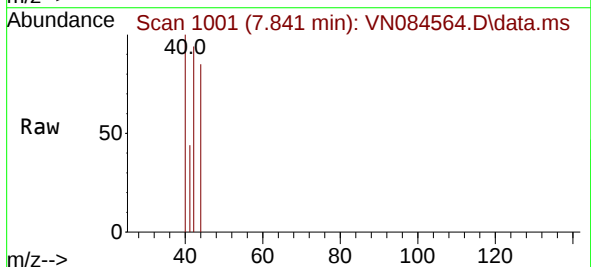
Instrument :
MSVOA_N
ClientSampleId :

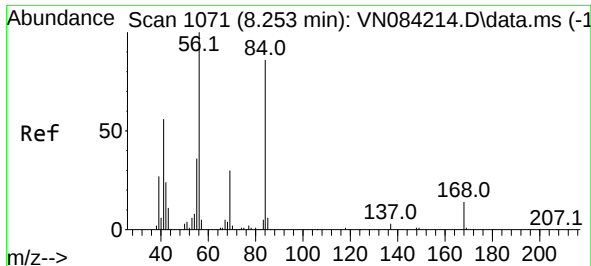
Tgt Ion: 43 Resp: 4038
Ion Ratio Lower Upper
43 100
72 24.0 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.297 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

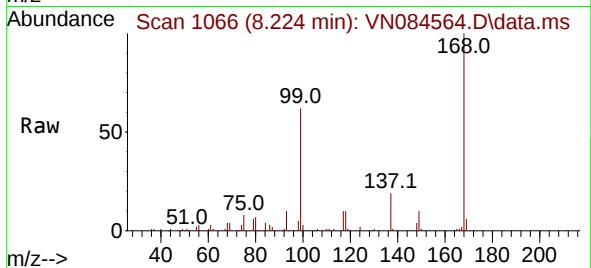
Tgt Ion: 42 Resp: 257
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.2 48.4#



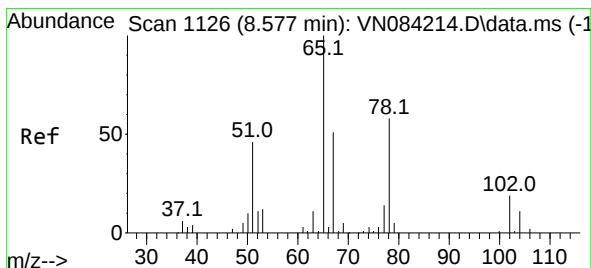
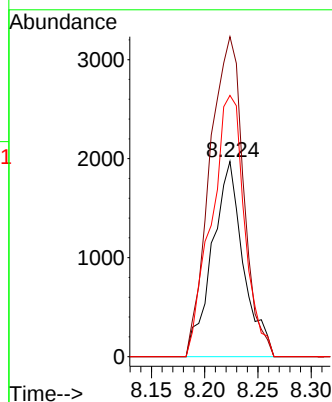
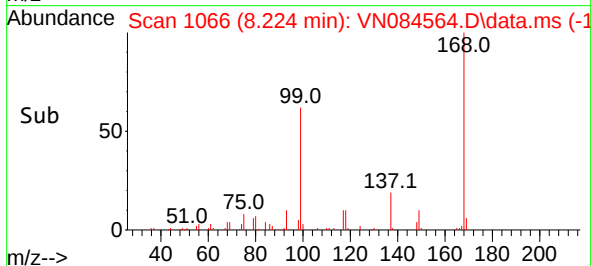


#31
Cyclohexane
Concen: 1.126 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

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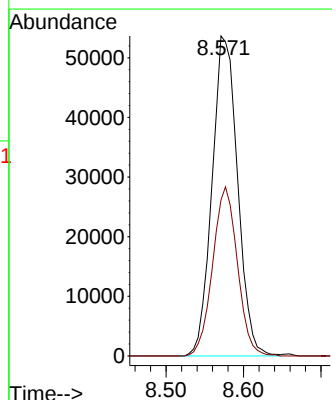
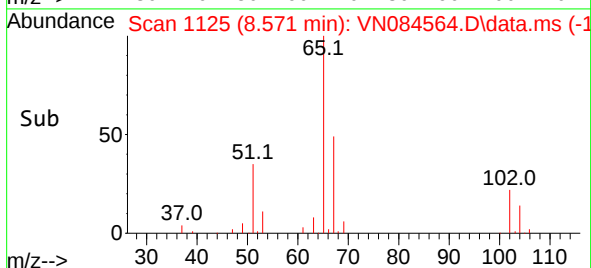
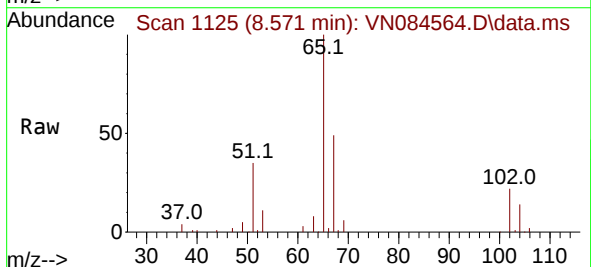


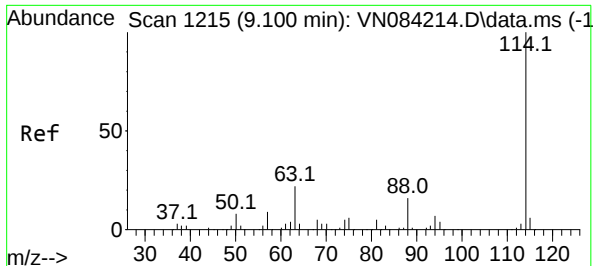
Tgt Ion: 56 Resp: 3992
Ion Ratio Lower Upper
56 100
69 163.9 23.8 35.6#
84 133.8 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.358 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

Tgt Ion: 65 Resp: 122960
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# 11

Delta R.T. 0.000 min

Lab File: VN084564.D

Acq: 29 Oct 2024 15:17

Instrument :

MSVOA_N

ClientSampleId :

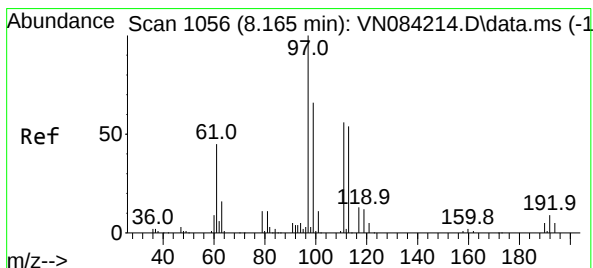
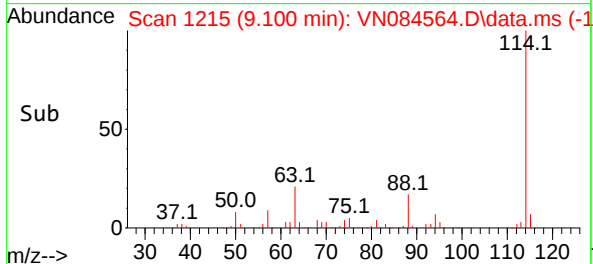
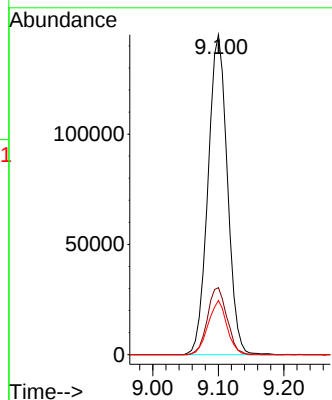
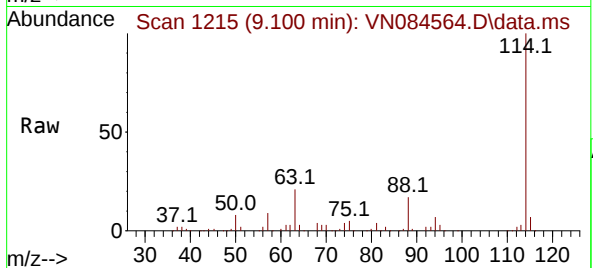
Tgt Ion:114 Resp: 297495

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.8

88 16.9 0.0 31.6



#35

Dibromofluoromethane

Concen: 50.033 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084564.D

Acq: 29 Oct 2024 15:17

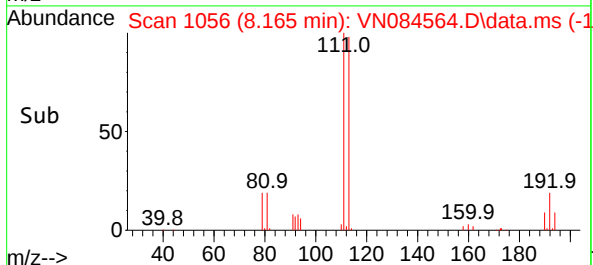
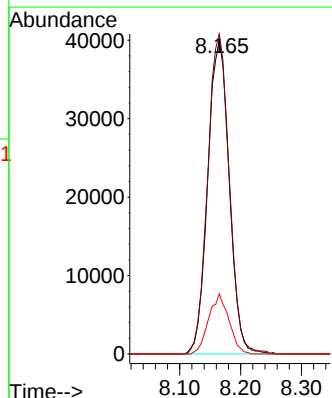
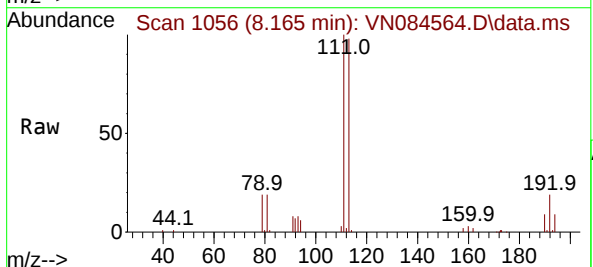
Tgt Ion:113 Resp: 98129

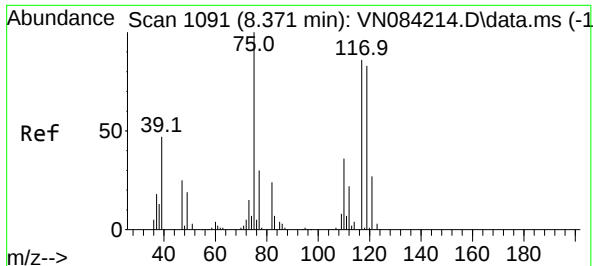
Ion Ratio Lower Upper

113 100

111 102.1 83.3 124.9

192 18.0 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.992 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.159 min

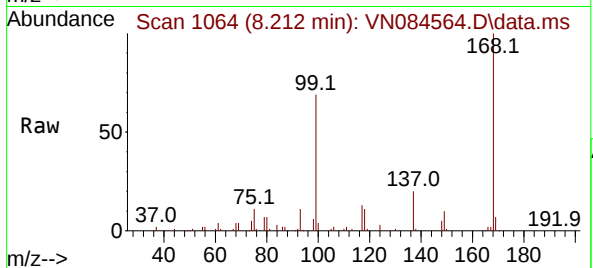
Lab File: VN084564.D

Acq: 29 Oct 2024 15:17

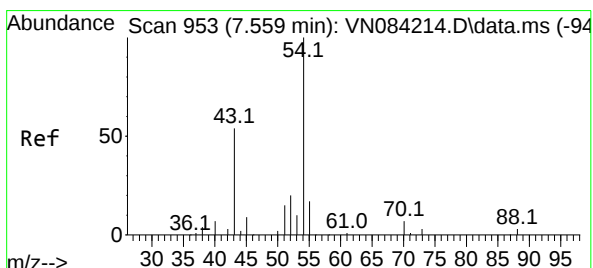
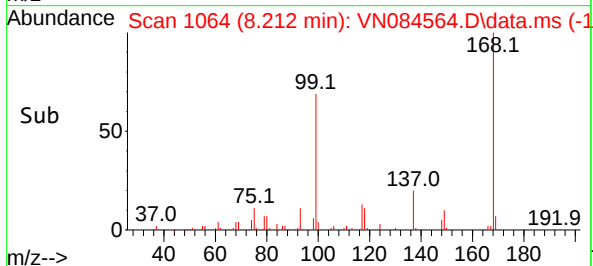
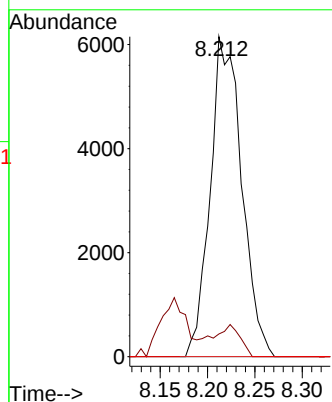
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	14220
Ion Ratio	Lower	Upper	
75	100		
110	6.4	16.9	50.7#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 1.023 ug/l

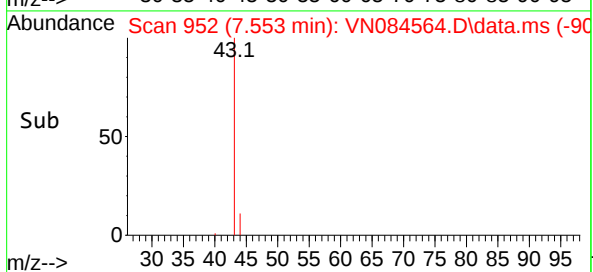
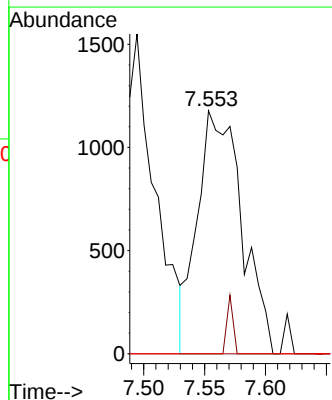
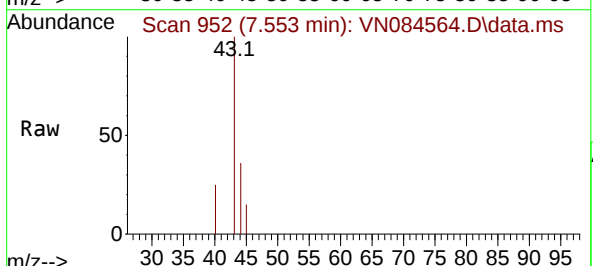
RT: 7.553 min Scan# 952

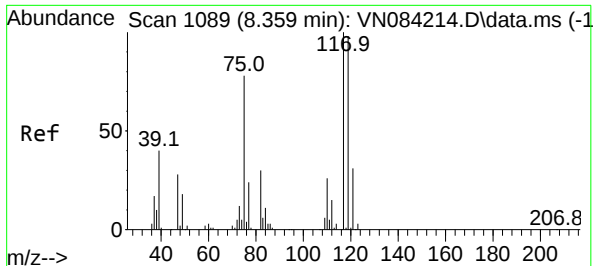
Delta R.T. -0.006 min

Lab File: VN084564.D

Acq: 29 Oct 2024 15:17

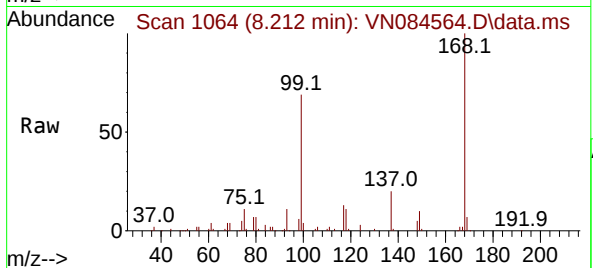
Tgt Ion:	43	Resp:	2991
Ion Ratio	Lower	Upper	
43	100		
61	3.3	10.7	16.1#
70	0.0	8.8	13.2#



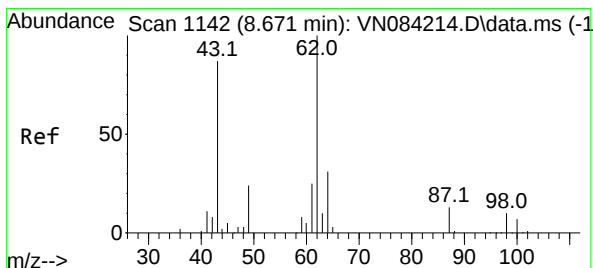
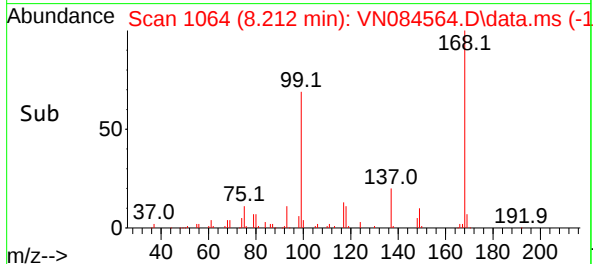
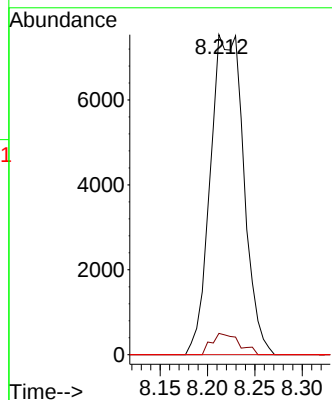


#38
Carbon Tetrachloride
Concen: 5.880 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.147 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

Instrument :
MSVOA_N
ClientSampleId :

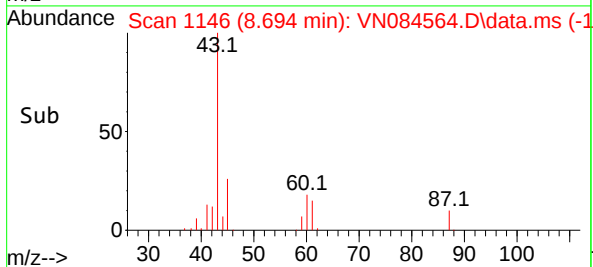
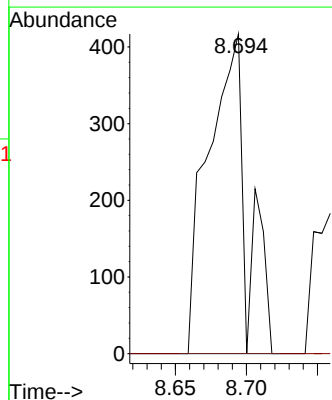
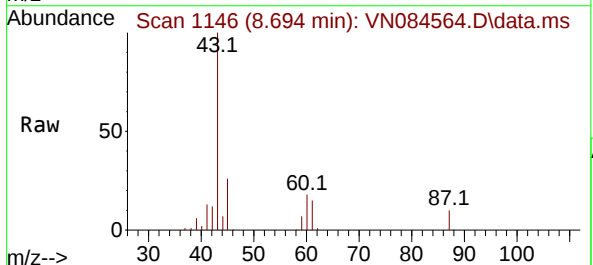


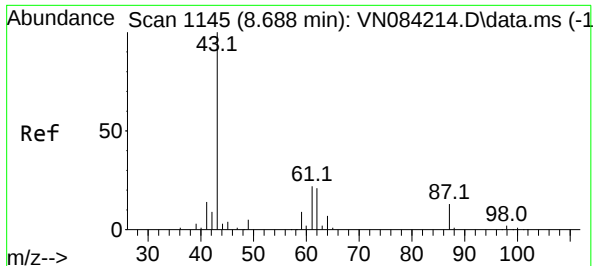
Tgt Ion: 117 Resp: 18375
Ion Ratio Lower Upper
117 100
119 6.7 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.265 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

Tgt Ion: 62 Resp: 797
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

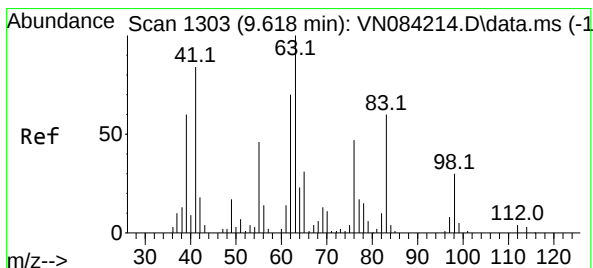
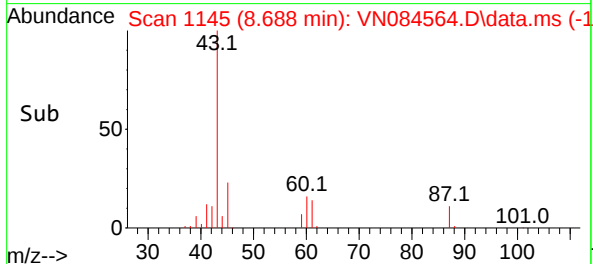
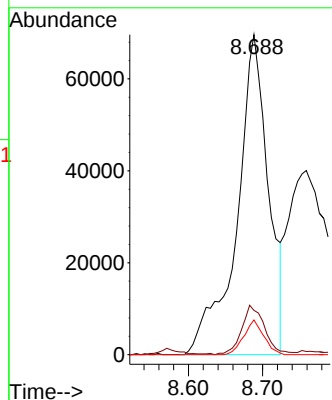
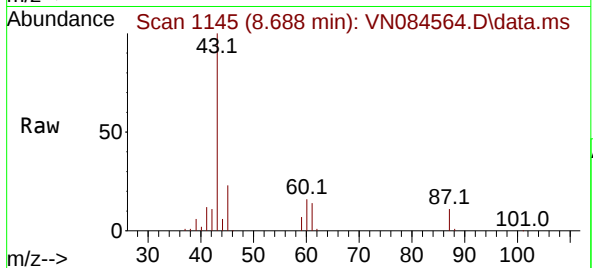




#43
Isopropyl Acetate
Concen: 35.940 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

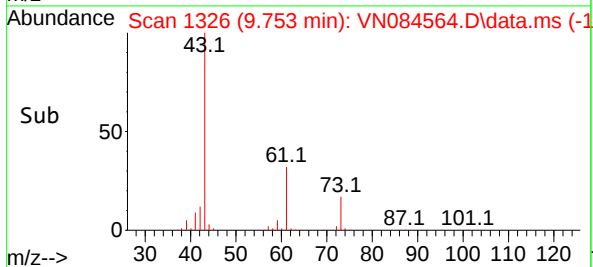
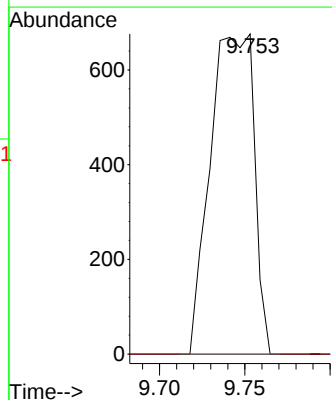
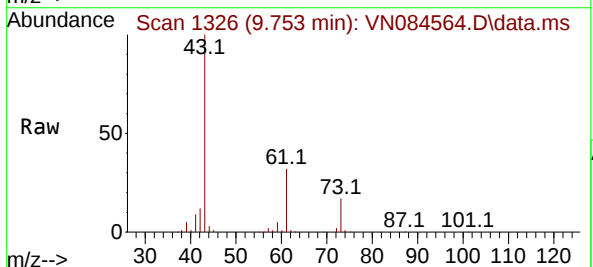
Instrument :
MSVOA_N
ClientSampleId :

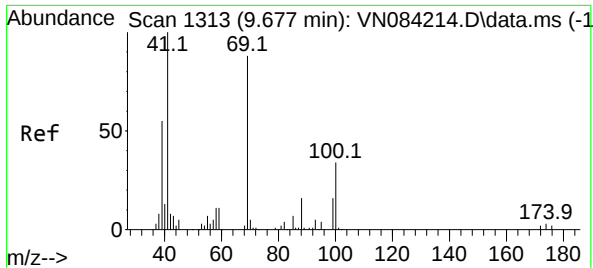
Tgt Ion: 43 Resp: 205743
Ion Ratio Lower Upper
43 100
61 11.4 20.4 30.6#
87 6.9 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.575 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.135 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

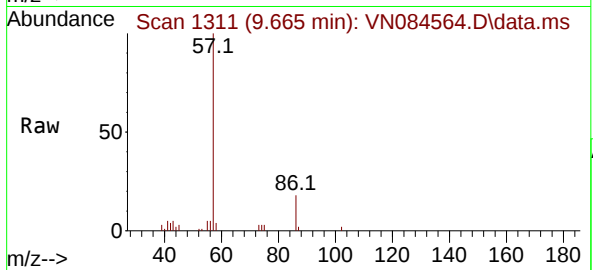
Tgt Ion: 63 Resp: 1208
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



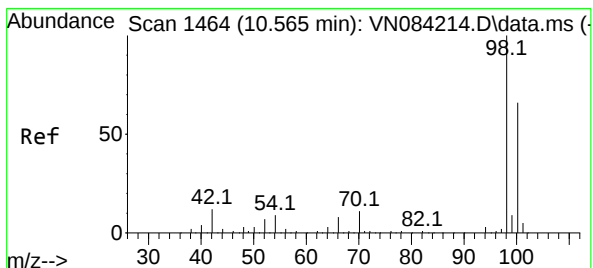
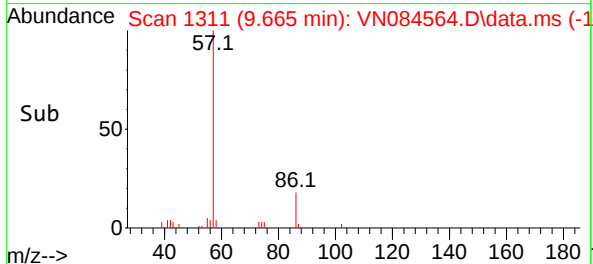
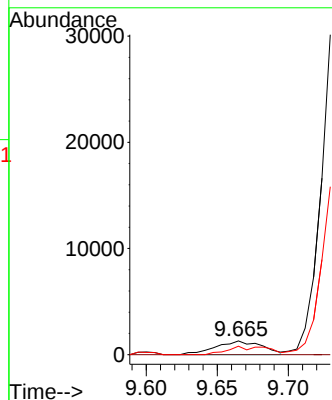


#48
Methyl methacrylate
Concen: 1.284 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

Instrument :
MSVOA_N
ClientSampleId :

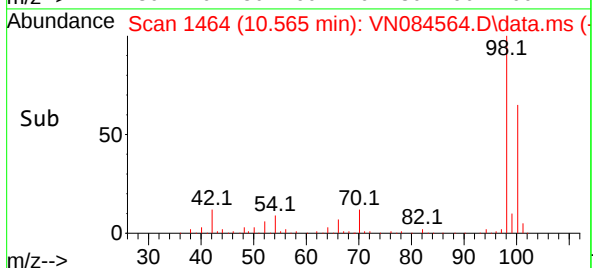
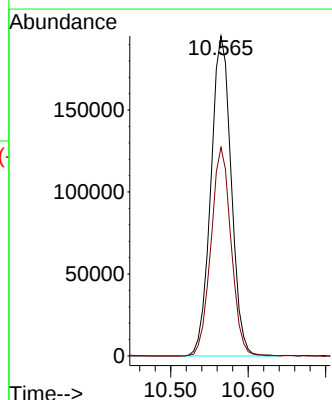
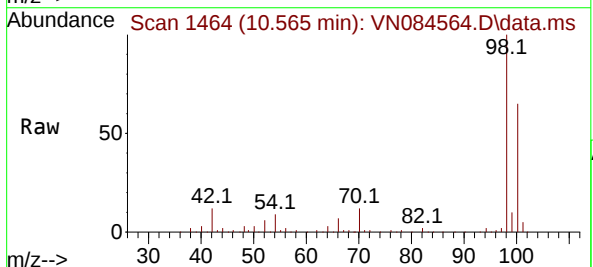


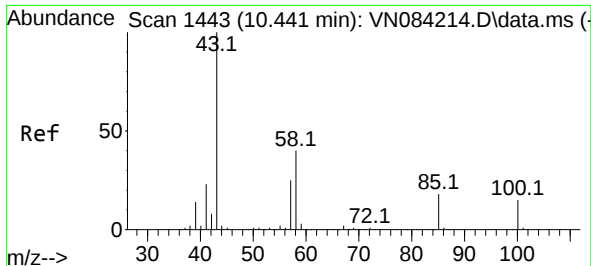
Tgt Ion: 41 Resp: 2926
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 0.0 45.8 68.6#



#50
Toluene-d8
Concen: 49.408 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

Tgt Ion: 98 Resp: 356512
Ion Ratio Lower Upper
98 100
100 64.3 52.7 79.1

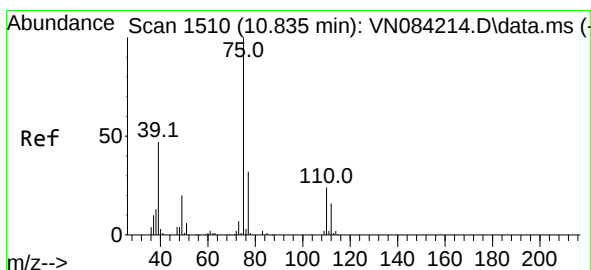
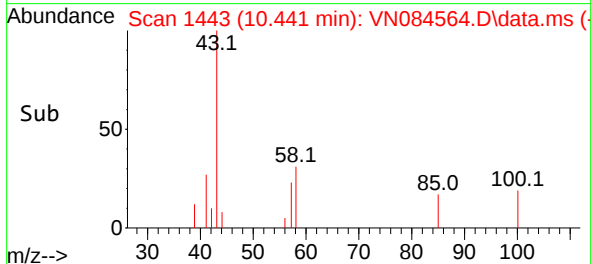
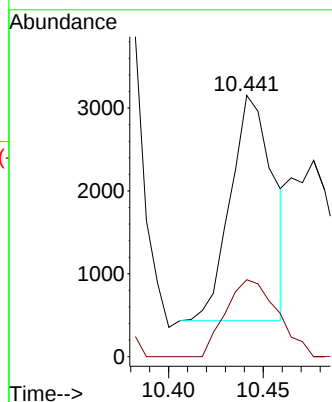
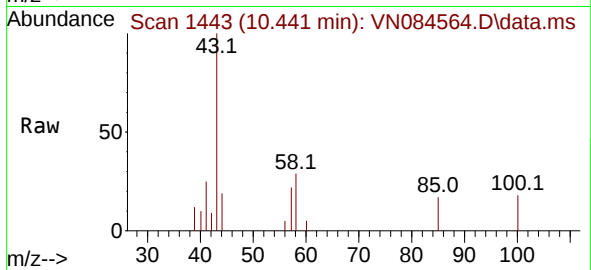




#51
4-Methyl-2-Pentanone
Concen: 1.535 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

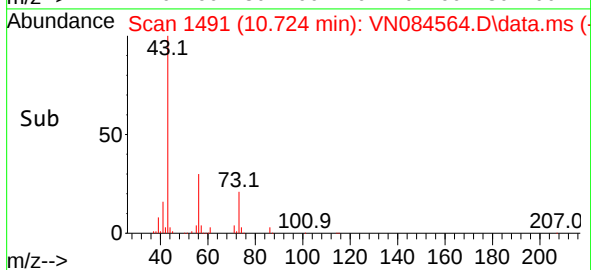
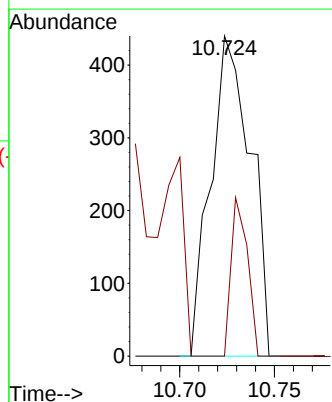
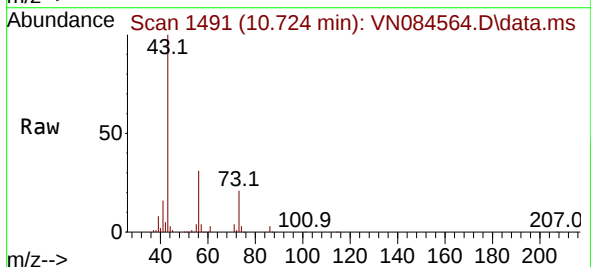
Instrument :
MSVOA_N
ClientSampleId :

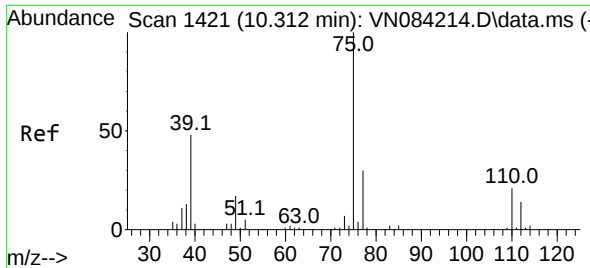
Tgt Ion: 43 Resp: 4271
Ion Ratio Lower Upper
43 100
58 41.4 31.6 47.4



#53
t-1,3-Dichloropropene
Concen: 0.201 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

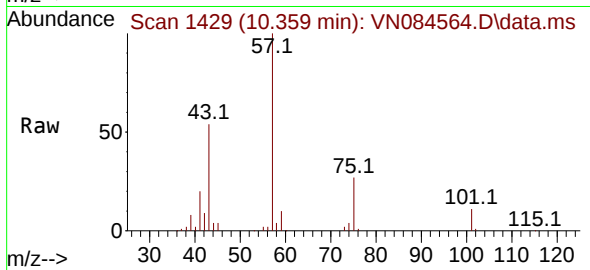
Tgt Ion: 75 Resp: 644
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



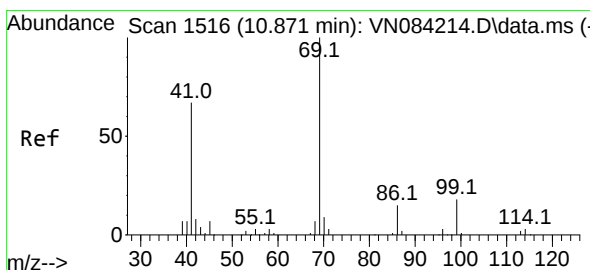
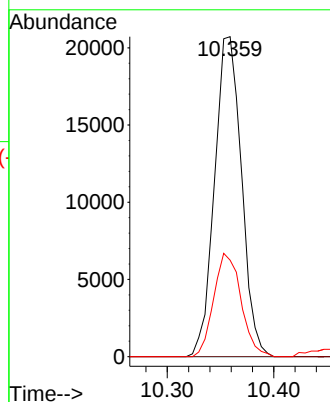
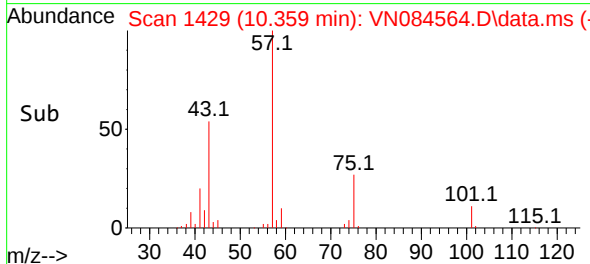


#54
 cis-1,3-Dichloropropene
 Concen: 10.541 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084564.D
 Acq: 29 Oct 2024 15:17

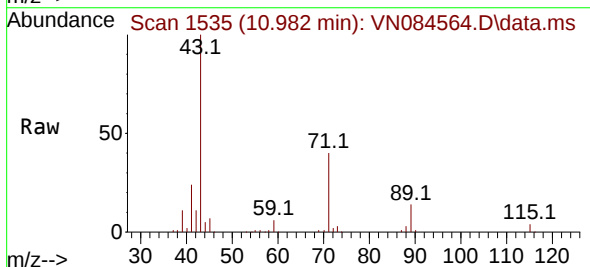
Instrument :
 MSVOA_N
 ClientSampleId :



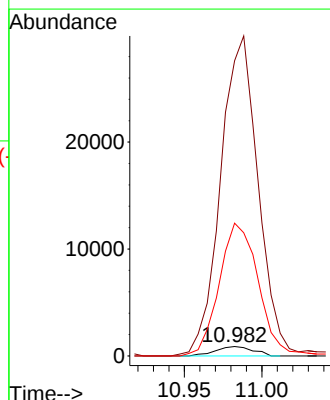
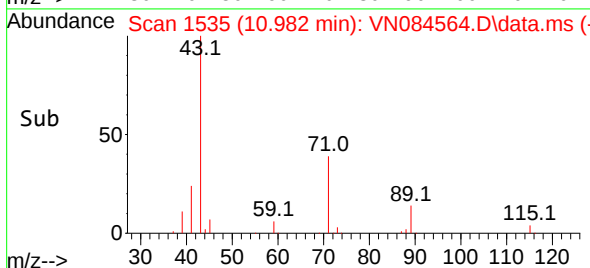
Tgt Ion: 75 Resp: 36385
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 30.1 38.7 58.1#

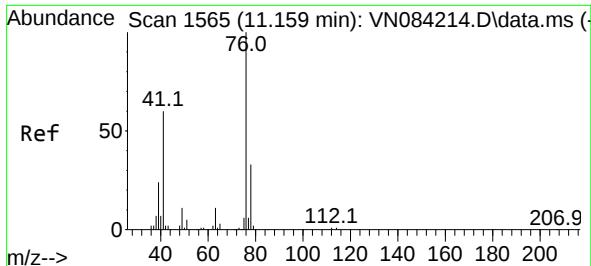


#56
 Ethyl methacrylate
 Concen: 0.467 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN084564.D
 Acq: 29 Oct 2024 15:17



Tgt Ion: 69 Resp: 1492
 Ion Ratio Lower Upper
 69 100
 41 3410.3 53.3 79.9#
 39 1464.0 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.350 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN084564.D

Acq: 29 Oct 2024 15:17

Instrument :

MSVOA_N

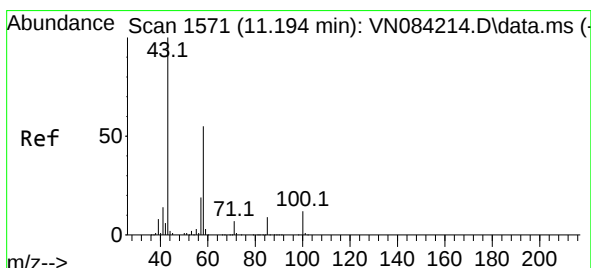
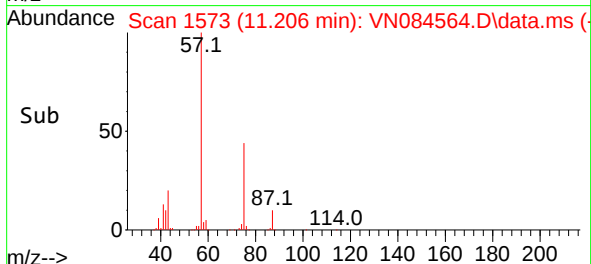
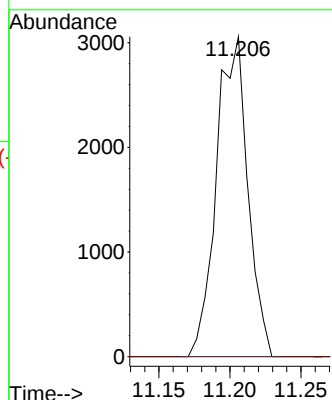
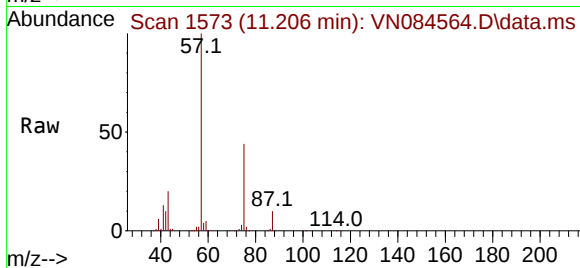
ClientSampleId :

Tgt Ion: 76 Resp: 4681

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 27.873 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084564.D

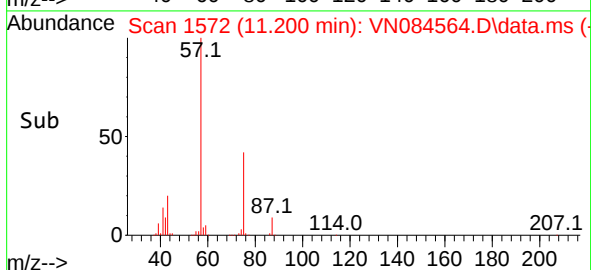
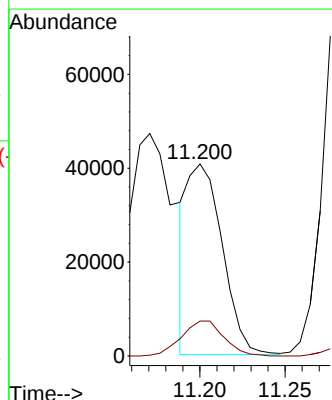
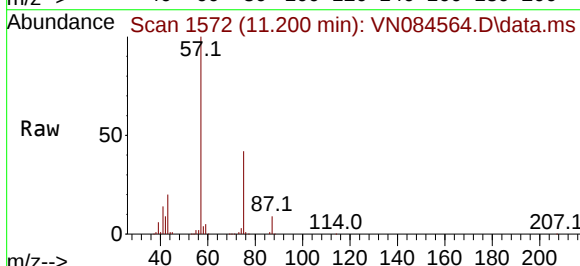
Acq: 29 Oct 2024 15:17

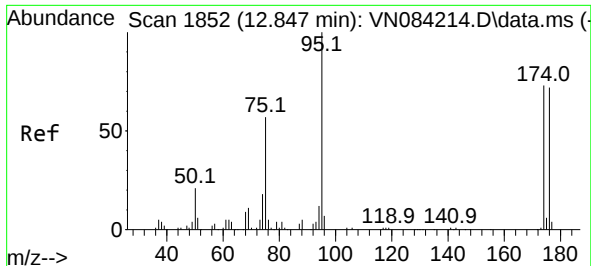
Tgt Ion: 43 Resp: 57962

Ion Ratio Lower Upper

43 100

58 22.3 27.3 81.8#

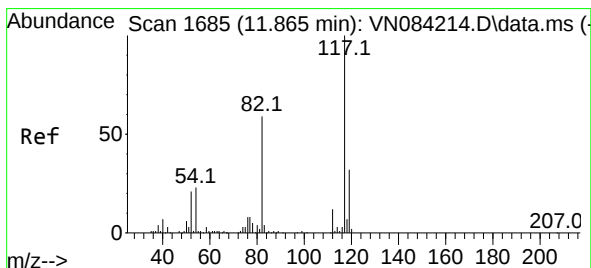
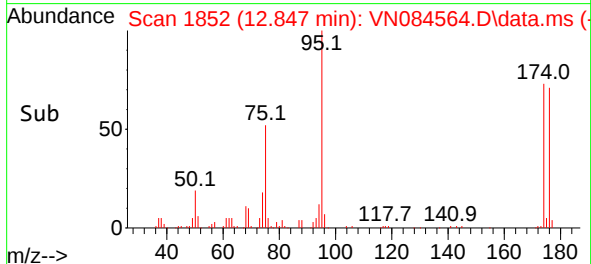
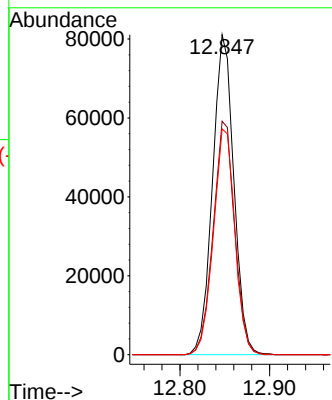
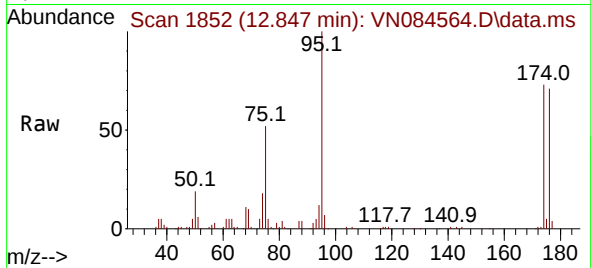




#62
4-Bromofluorobenzene
Concen: 50.722 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

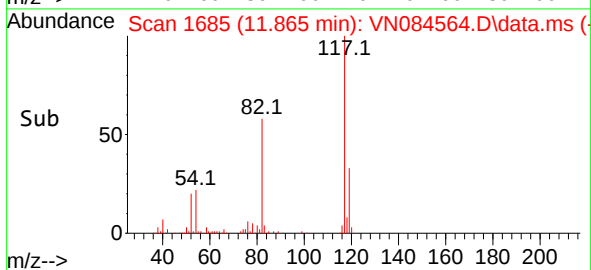
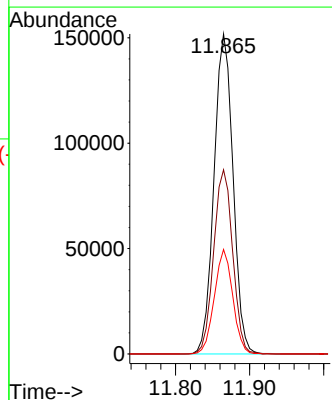
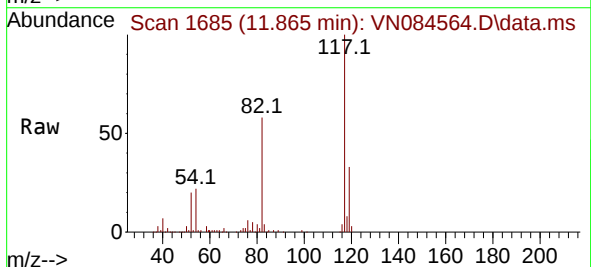
Instrument :
MSVOA_N
ClientSampleId :

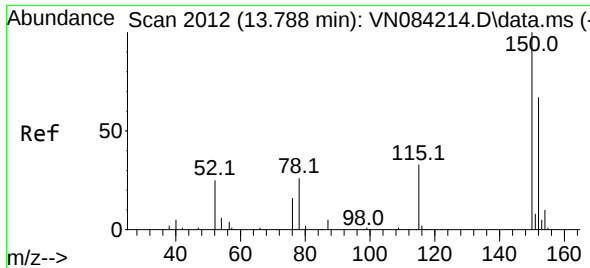
Tgt Ion: 95 Resp: 133337
Ion Ratio Lower Upper
95 100
174 73.7 0.0 145.2
176 71.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

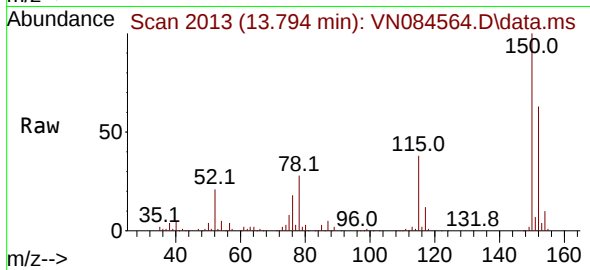
Tgt Ion: 117 Resp: 270699
Ion Ratio Lower Upper
117 100
82 57.6 47.2 70.8
119 32.7 25.4 38.0



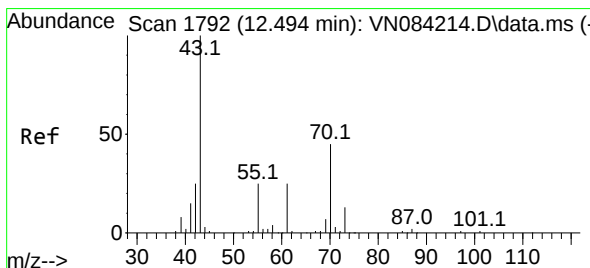
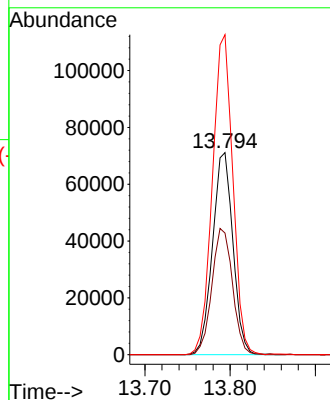
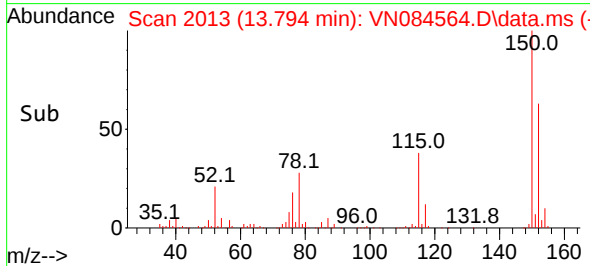


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN084564.D
 Acq: 29 Oct 2024 15:17

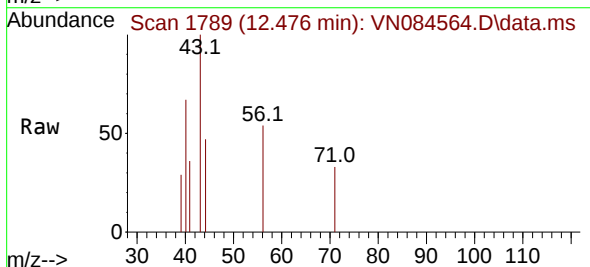
Instrument :
 MSVOA_N
 ClientSampleId :



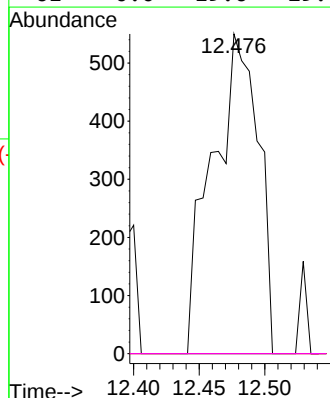
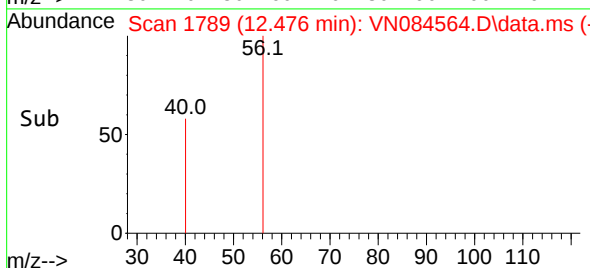
Tgt Ion:152 Resp: 118309
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.3 93.9
 150 158.2 0.0 349.8

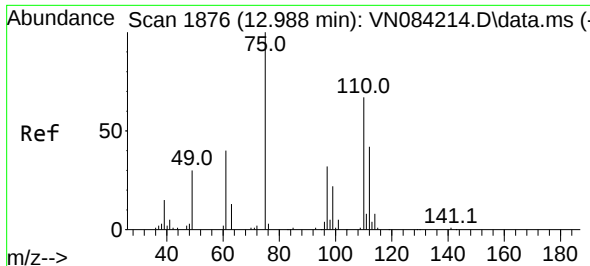


#74
 N-ethyl acetate
 Concen: 0.329 ug/l
 RT: 12.476 min Scan# 1789
 Delta R.T. -0.018 min
 Lab File: VN084564.D
 Acq: 29 Oct 2024 15:17



Tgt Ion: 43 Resp: 1343
 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#

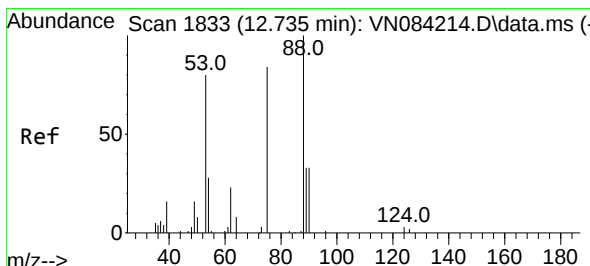
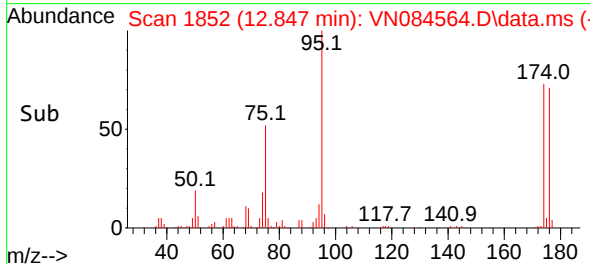
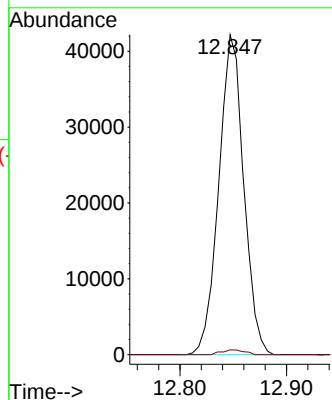
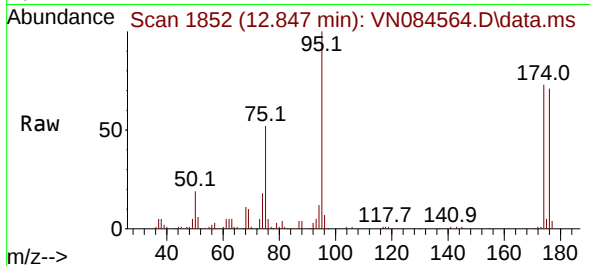




#76
1,2,3-Trichloropropane
Concen: 28.313 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 68384
Ion Ratio Lower Upper
75 100
77 1.4 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.878 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084564.D
Acq: 29 Oct 2024 15:17

Tgt Ion: 75 Resp: 68384
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

