

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102924\
 Data File : VN084561.D
 Acq On : 29 Oct 2024 14:05
 Operator : JC\MD
 Sample : P4567-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

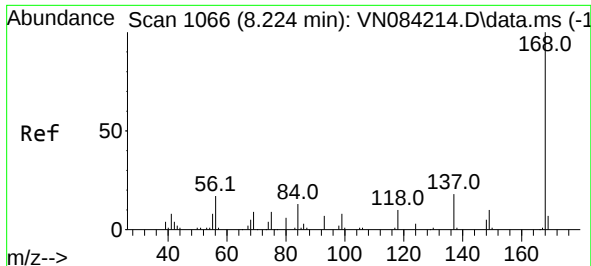
Quant Time: Oct 30 05:02:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	155548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115849	50.232	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.460%	
35) Dibromofluoromethane	8.165	113	91354	49.058	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.120%	
50) Toluene-d8	10.565	98	341547	49.853	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.700%	
62) 4-Bromofluorobenzene	12.847	95	115720	46.364	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.720%	
Target Compounds						Qvalue
3) Chloromethane	2.353	50	503	0.239	ug/l #	41
5) Bromomethane	2.901	94	506	0.377	ug/l #	65
11) Tert butyl alcohol	5.530	59	495	1.302	ug/l #	73
13) Acrolein	4.171	56	167	0.383	ug/l #	61
16) Acetone	4.436	43	30858	31.147	ug/l	96
18) Methyl Acetate	5.030	43	8380	3.881	ug/l	99
20) Methylene Chloride	5.259	84	3120	1.549	ug/l #	89
25) 2-Butanone	7.500	43	3292	2.440	ug/l #	87
31) Cyclohexane	8.224	56	3564	1.043	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13372	4.944	ug/l #	50
37) Ethyl Acetate	7.565	43	3013	1.086	ug/l #	78
38) Carbon Tetrachloride	8.224	117	17215	5.802	ug/l #	15
43) Isopropyl Acetate	8.688	43	178866	32.908	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1396	0.700	ug/l #	44
48) Methyl methacrylate	9.665	41	2852	1.318	ug/l #	45
51) 4-Methyl-2-Pentanone	10.447	43	6504	2.462	ug/l	88
53) t-1,3-Dichloropropene	10.724	75	708	0.232	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	38173	11.648	ug/l #	63
56) Ethyl methacrylate	10.988	69	1912	0.631	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5177	1.573	ug/l #	42
59) 2-Hexanone	11.171	43	95117	48.175	ug/l #	24
74) N-amyl acetate	12.482	43	1423	0.415	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	61089	30.178	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61089	72.350	ug/l #	11

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

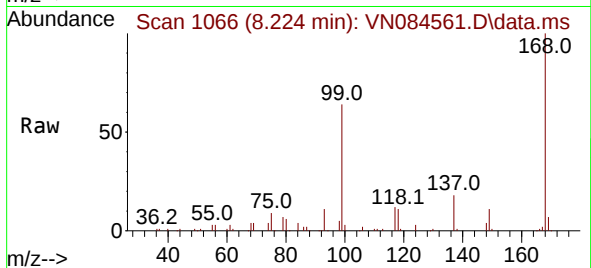
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



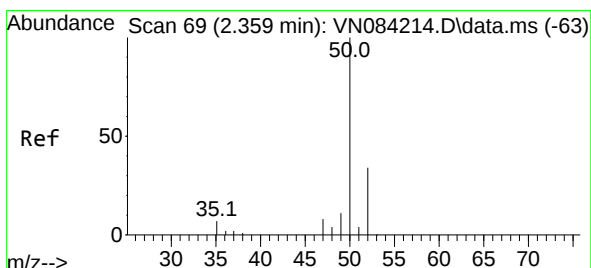
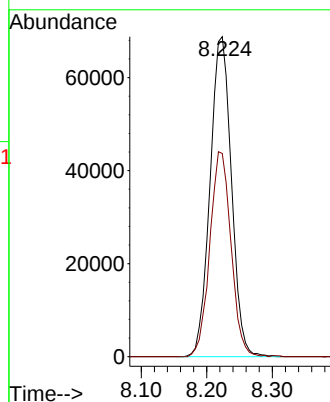
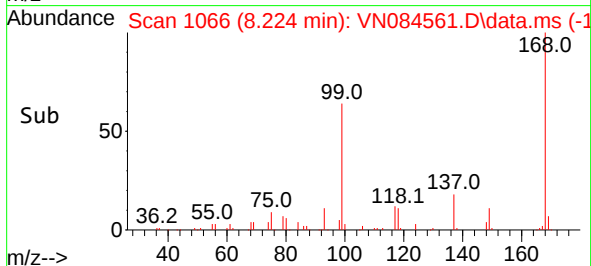


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

Instrument :
MSVOA_N
ClientSampleId :

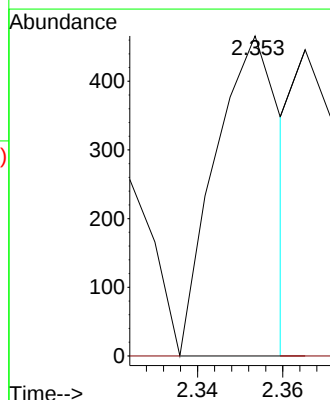
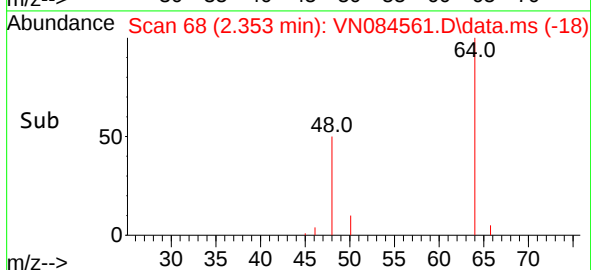
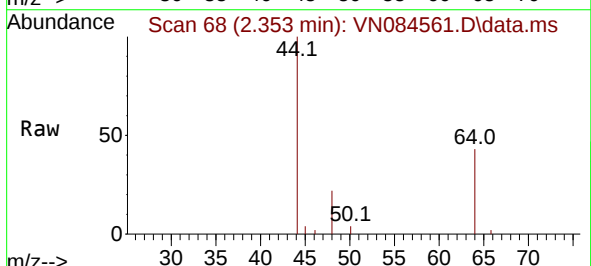


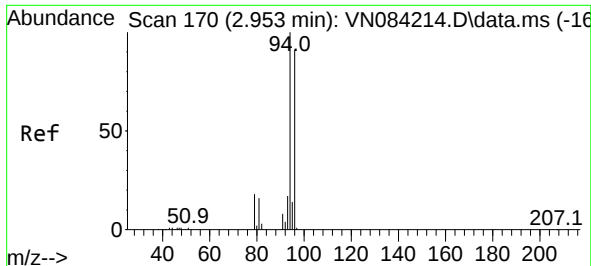
Tgt Ion:168 Resp: 155548
Ion Ratio Lower Upper
168 100
99 63.5 54.2 81.2



#3
Chloromethane
Concen: 0.239 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

Tgt Ion: 50 Resp: 503
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

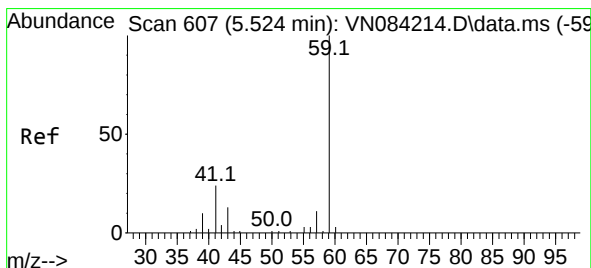
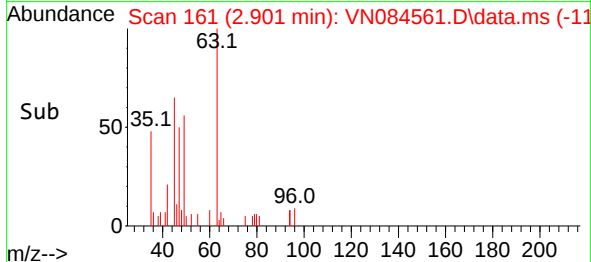
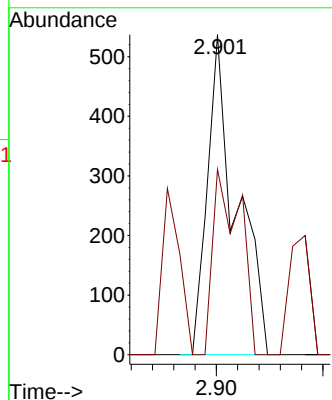
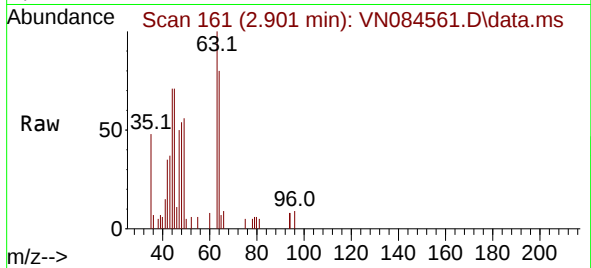




#5
Bromomethane
Concen: 0.377 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

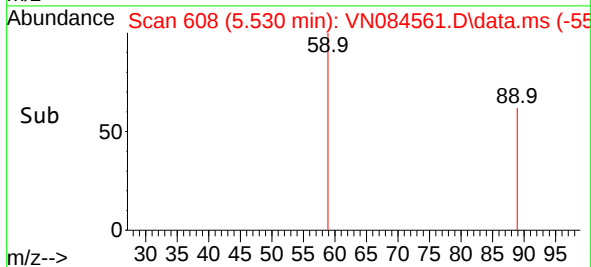
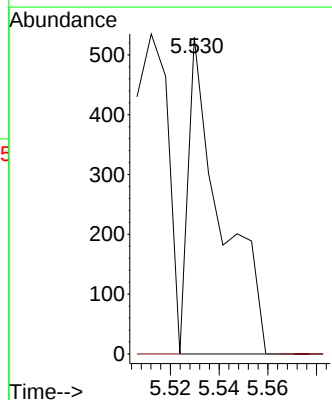
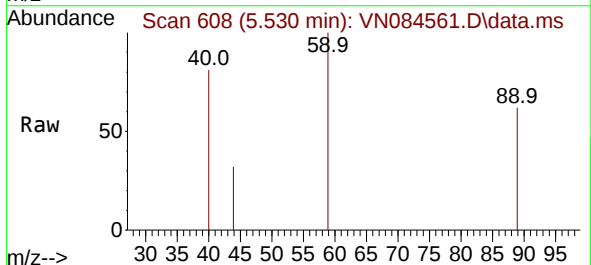
Instrument :
MSVOA_N
ClientSampleId :

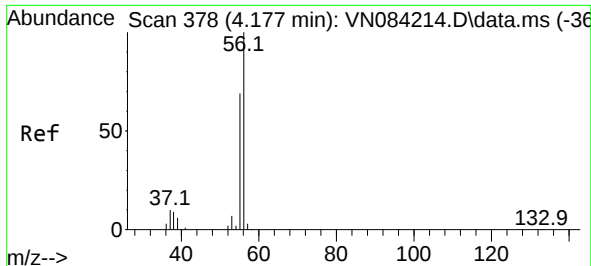
Tgt Ion: 94 Resp: 506
Ion Ratio Lower Upper
94 100
96 57.9 72.9 109.3#



#11
Tert butyl alcohol
Concen: 1.302 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

Tgt Ion: 59 Resp: 495
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

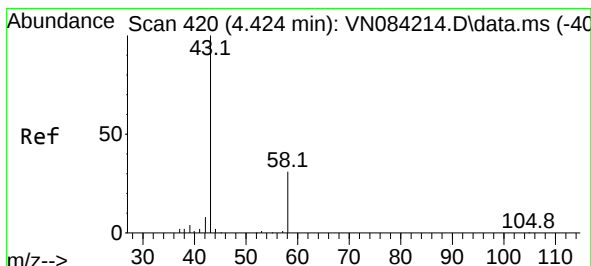
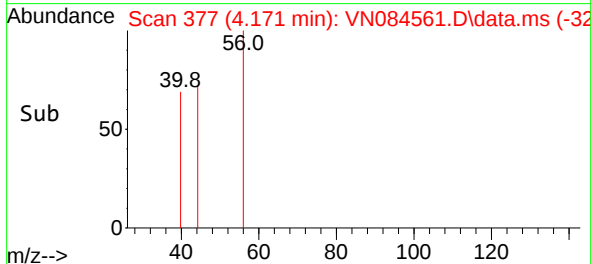
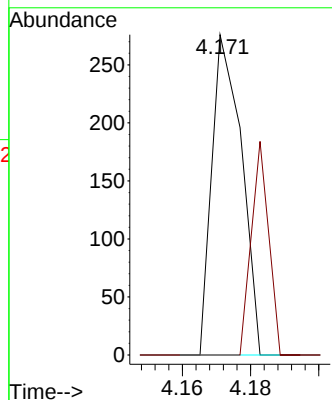
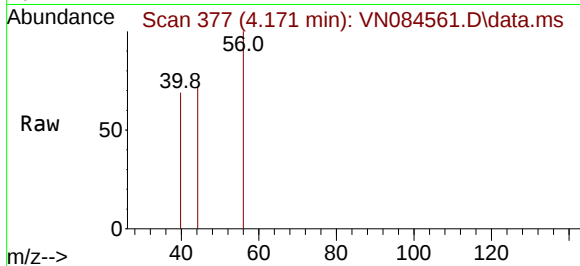




#13
Acrolein
Concen: 0.383 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

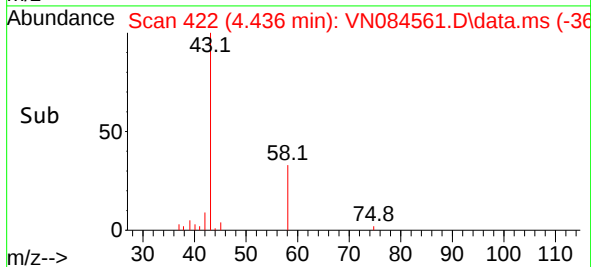
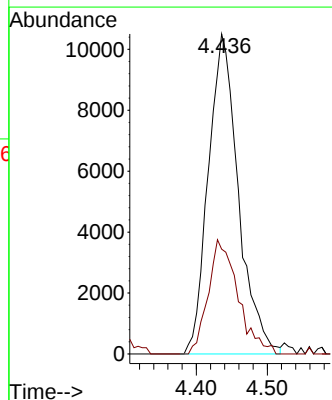
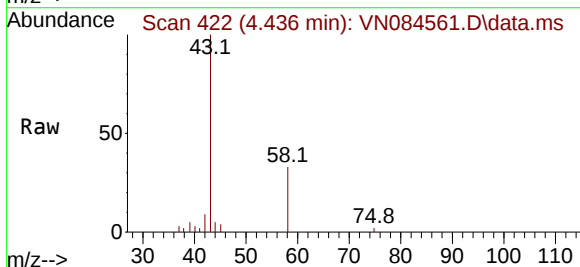
Instrument :
MSVOA_N
ClientSampleId :

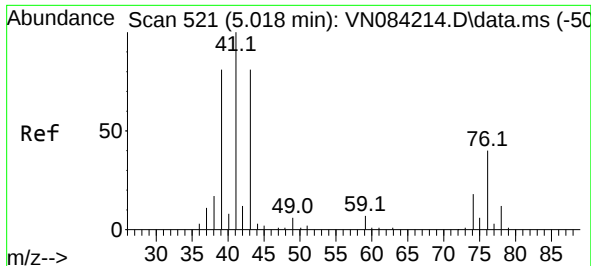
Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 38.9 57.2 85.8#



#16
Acetone
Concen: 31.147 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

Tgt Ion: 43 Resp: 30858
Ion Ratio Lower Upper
43 100
58 32.8 24.4 36.6

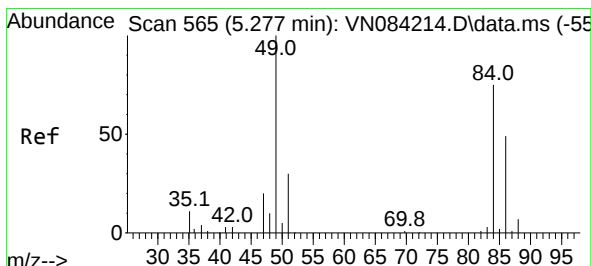
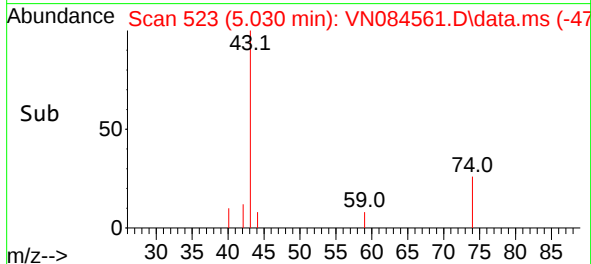
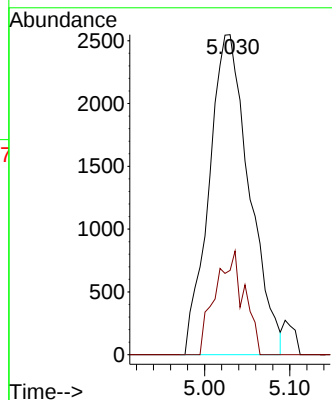
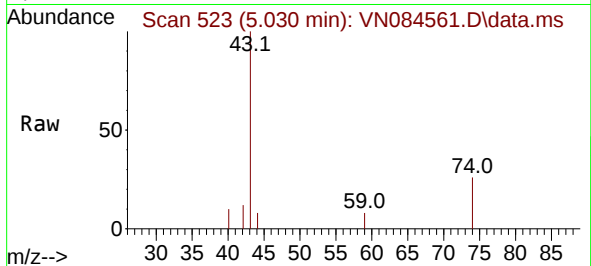




#18
Methyl Acetate
Concen: 3.881 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

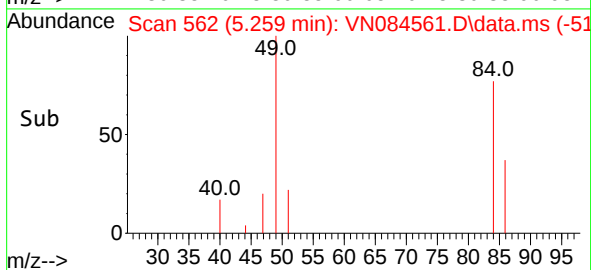
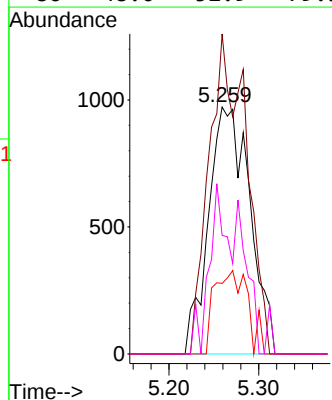
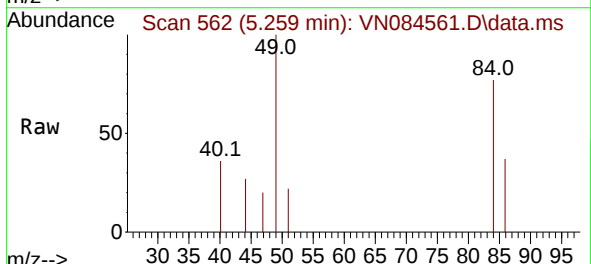
Instrument :
MSVOA_N
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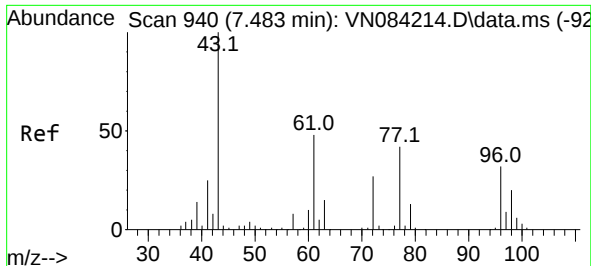
Tgt Ion: 43 Resp: 8380
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8



#20
Methylene Chloride
Concen: 1.549 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

Tgt Ion: 84 Resp: 3120
Ion Ratio Lower Upper
84 100
49 129.6 107.2 160.8
51 28.6 31.8 47.8#
86 48.0 52.9 79.3#





#25

2-Butanone

Concen: 2.440 ug/l

RT: 7.500 min Scan# 94

Delta R.T. 0.018 min

Lab File: VN084561.D

Acq: 29 Oct 2024 14:05

Instrument :

MSVOA_N

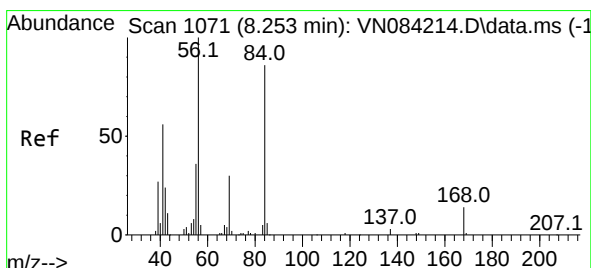
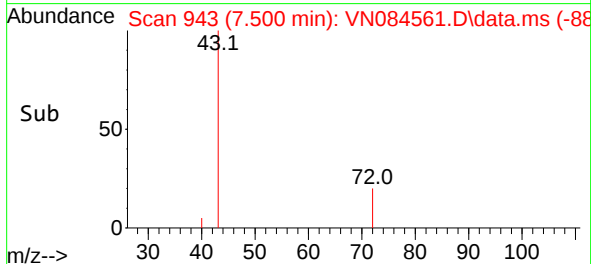
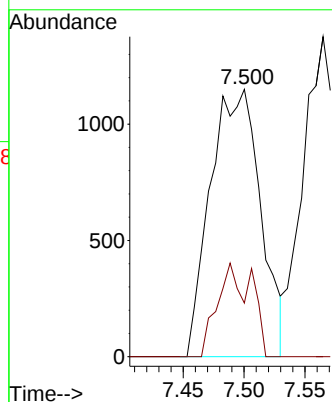
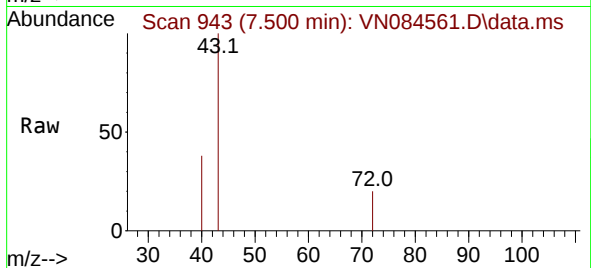
ClientSampleId :

Tgt Ion: 43 Resp: 3292

Ion Ratio Lower Upper

43 100

72 20.1 21.4 32.2#



#31

Cyclohexane

Concen: 1.043 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084561.D

Acq: 29 Oct 2024 14:05

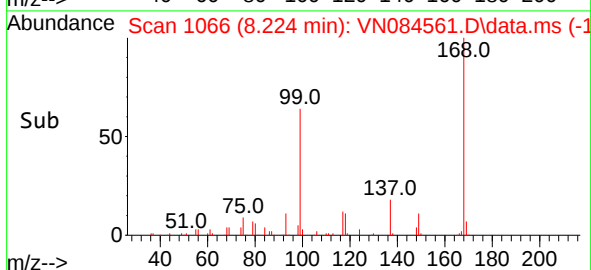
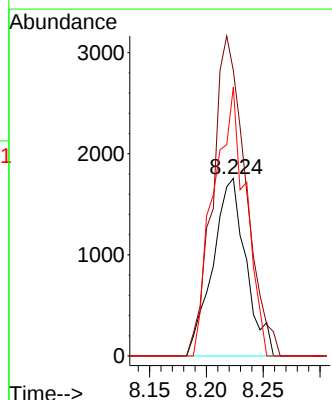
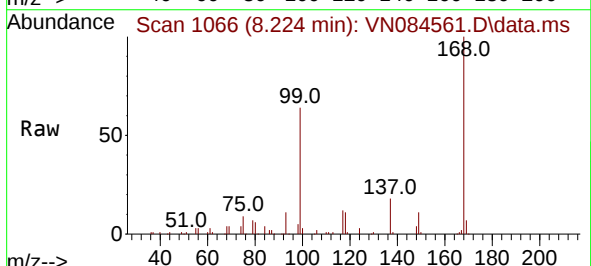
Tgt Ion: 56 Resp: 3564

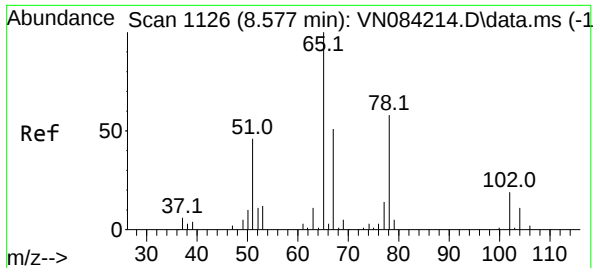
Ion Ratio Lower Upper

56 100

69 160.8 23.8 35.6#

84 151.5 68.8 103.2#

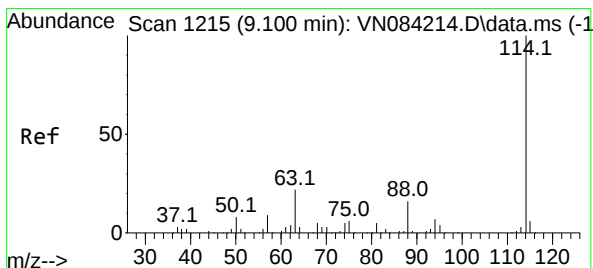
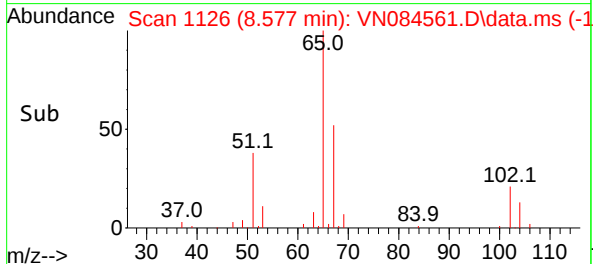
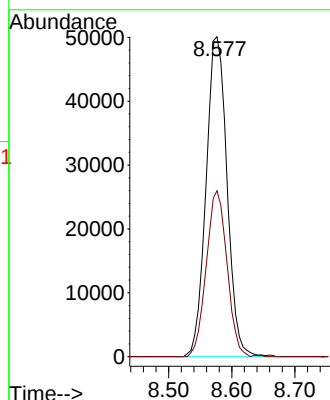
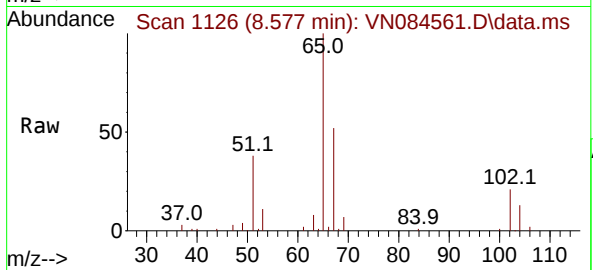




#33
 1,2-Dichloroethane-d4
 Concen: 50.232 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084561.D
 Acq: 29 Oct 2024 14:05

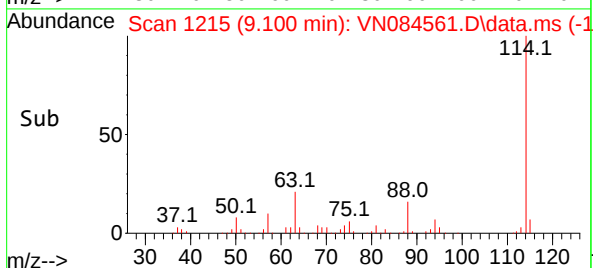
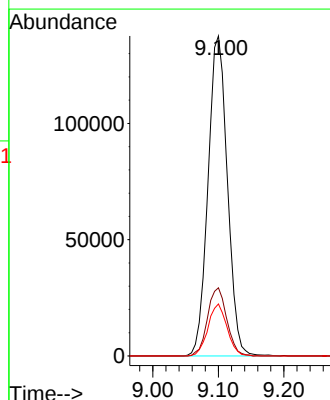
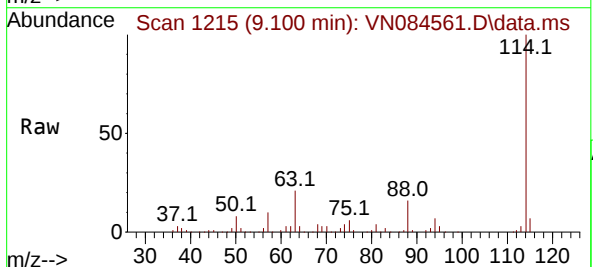
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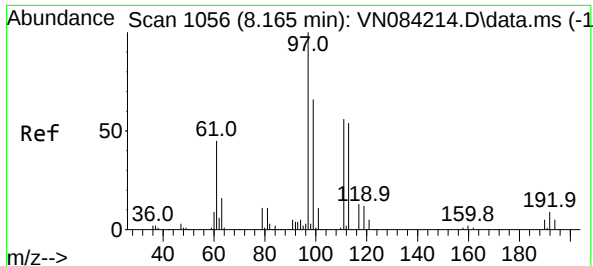
Tgt Ion: 65 Resp: 115849
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084561.D
 Acq: 29 Oct 2024 14:05

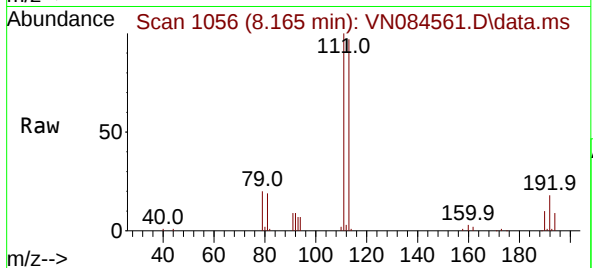
Tgt Ion: 114 Resp: 282461
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.8
 88 16.3 0.0 31.6



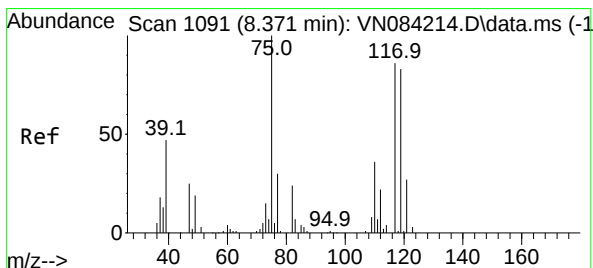
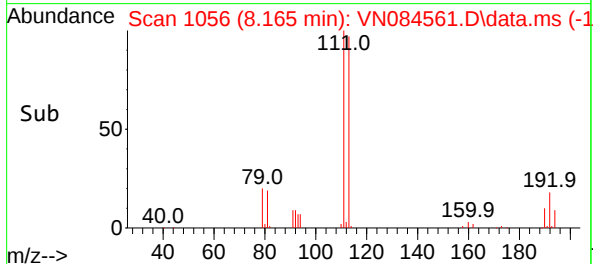
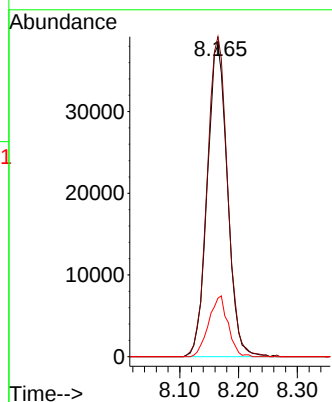


#35
Dibromofluoromethane
Concen: 49.058 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

Instrument :
MSVOA_N
ClientSampleId :

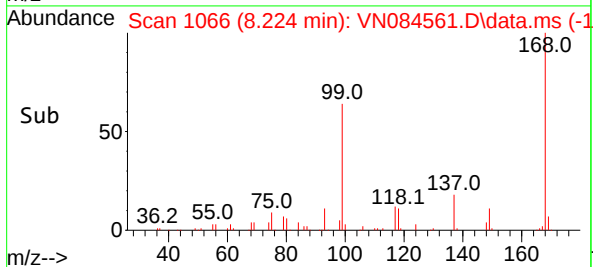
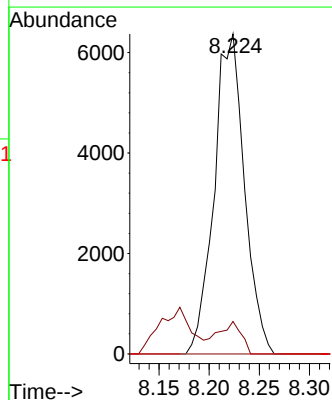
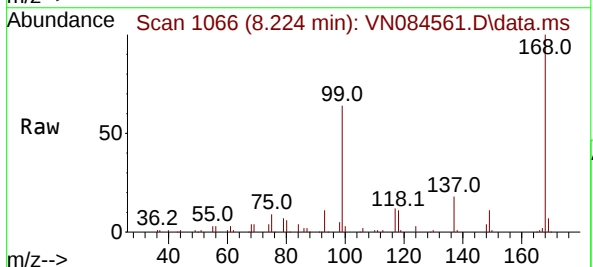


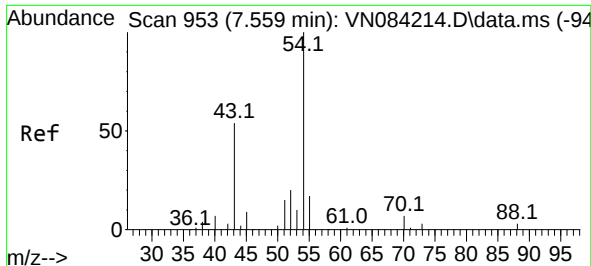
Tgt Ion:113 Resp: 91354
Ion Ratio Lower Upper
113 100
111 103.1 83.3 124.9
192 18.5 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.944 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

Tgt Ion: 75 Resp: 13372
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.086 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

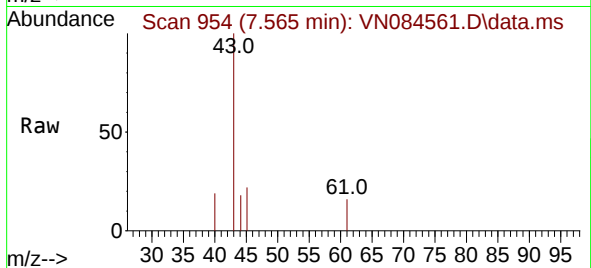
Lab File: VN084561.D

Acq: 29 Oct 2024 14:05

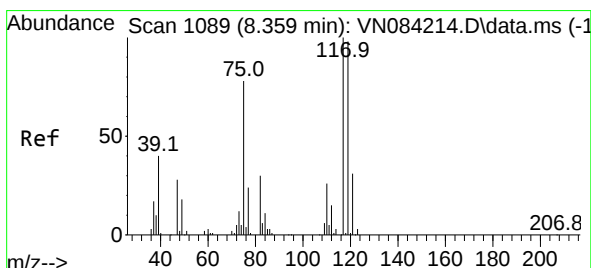
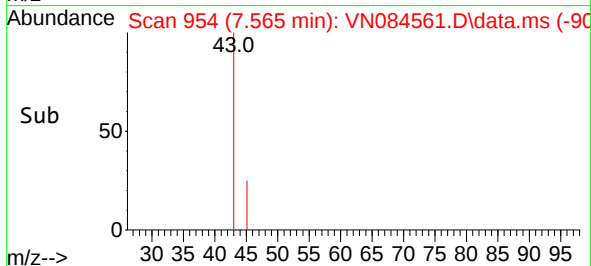
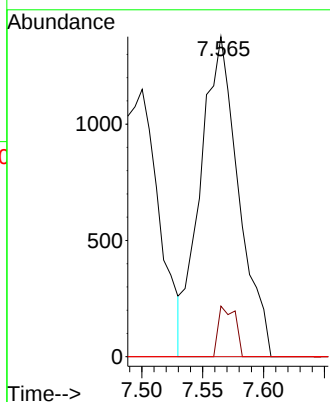
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3013
Ion	Ratio	Lower	Upper
43	100		
61	7.0	10.7	16.1#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.802 ug/l

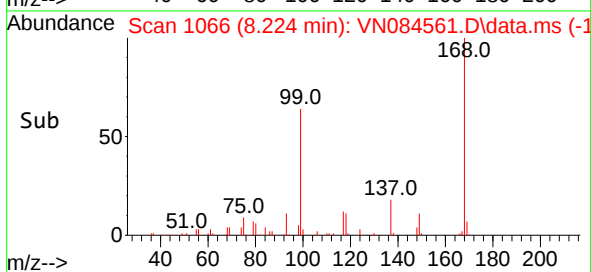
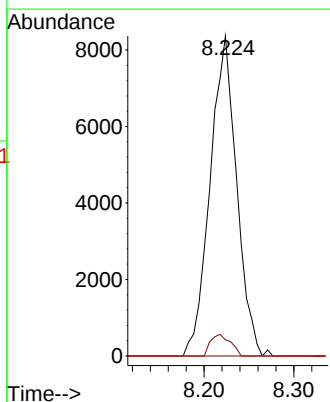
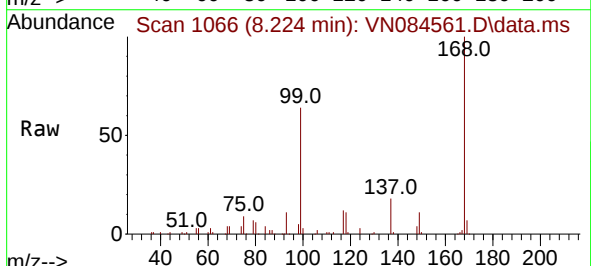
RT: 8.224 min Scan# 1066

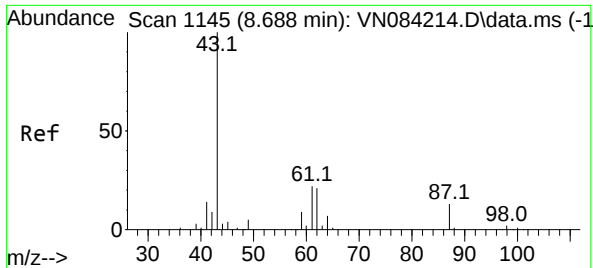
Delta R.T. -0.135 min

Lab File: VN084561.D

Acq: 29 Oct 2024 14:05

Tgt Ion:	117	Resp:	17215
Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.7	118.1#
121	0.0	24.4	36.6#

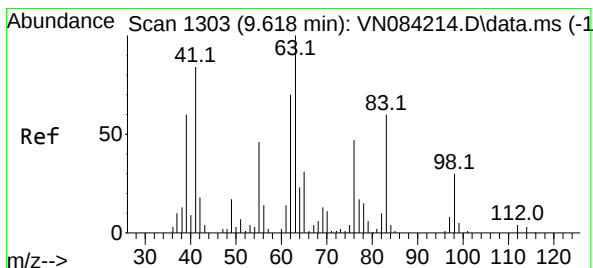
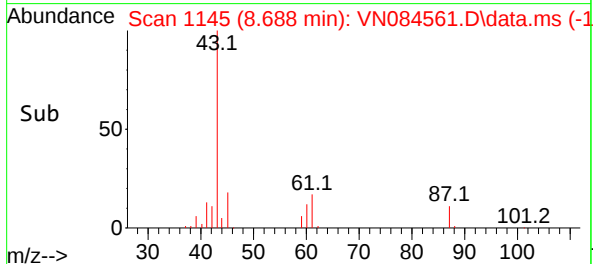
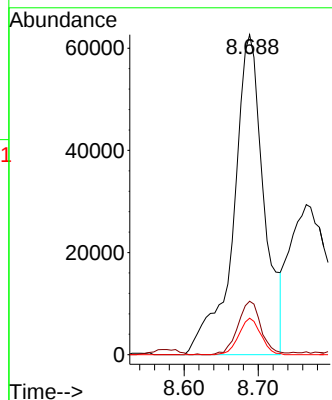
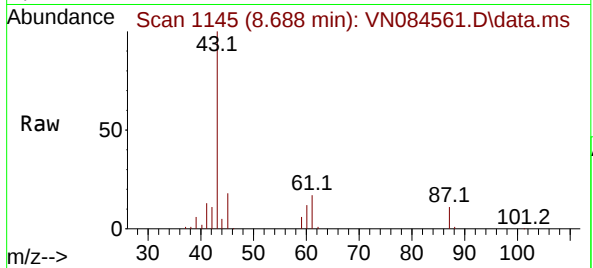




#43
Isopropyl Acetate
Concen: 32.908 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

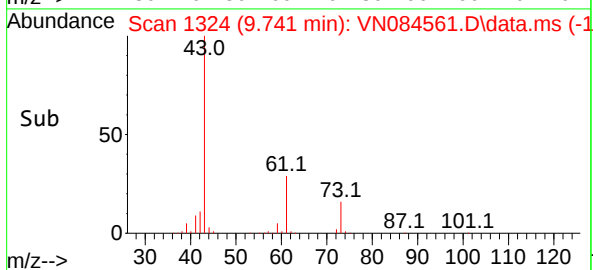
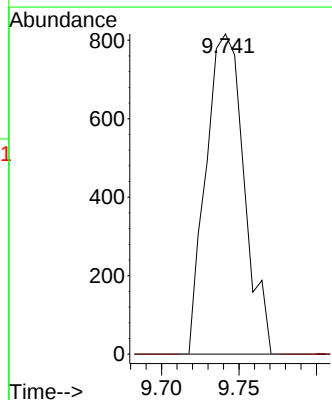
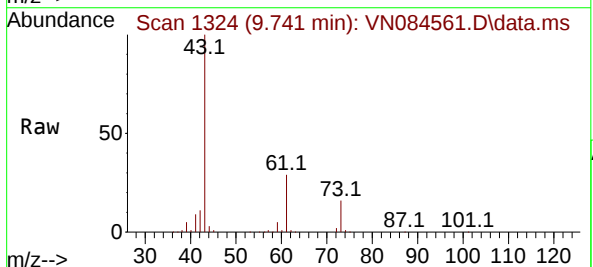
Instrument :
MSVOA_N
ClientSampleId :

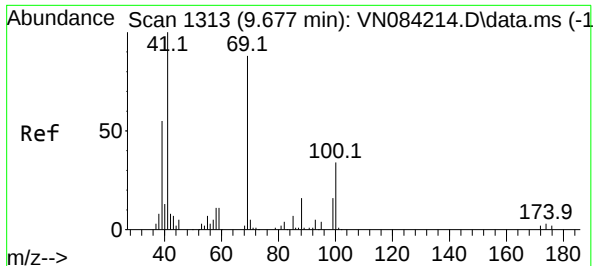
Tgt Ion: 43 Resp: 178866
Ion Ratio Lower Upper
43 100
61 12.7 20.4 30.6#
87 8.2 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.700 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

Tgt Ion: 63 Resp: 1396
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.318 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN084561.D

Acq: 29 Oct 2024 14:05

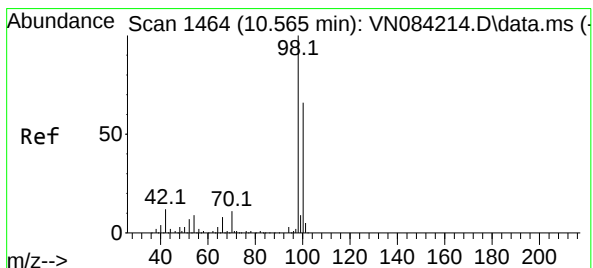
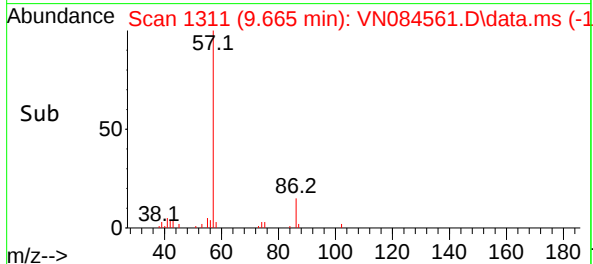
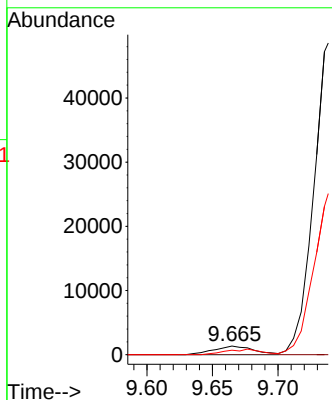
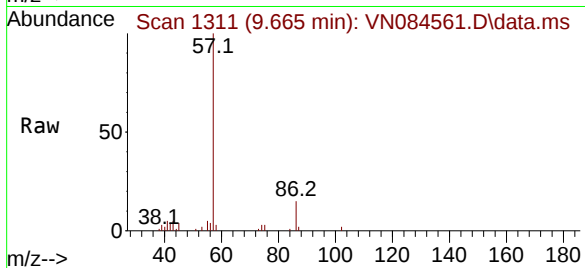
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 41 Resp: 2852

Ion	Ratio	Lower	Upper
41	100		
69	0.0	67.1	100.7#
39	56.7	45.8	68.6



#50

Toluene-d8

Concen: 49.853 ug/l

RT: 10.565 min Scan# 1464

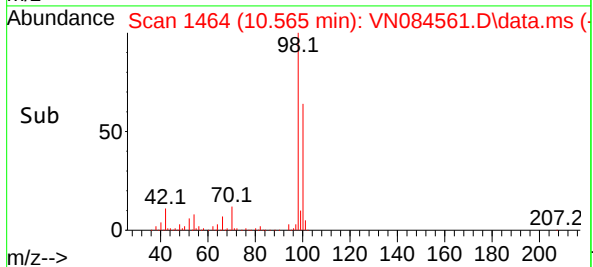
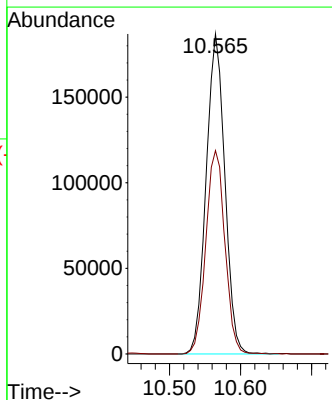
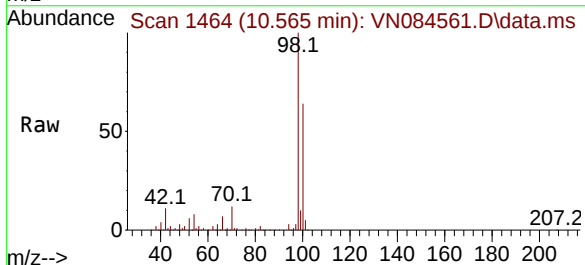
Delta R.T. 0.000 min

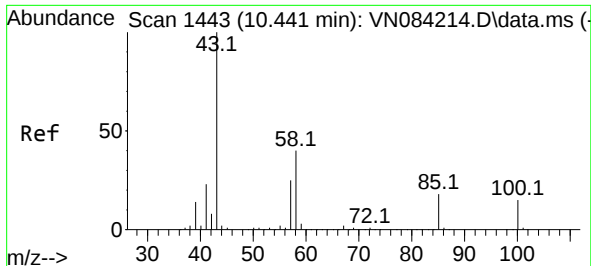
Lab File: VN084561.D

Acq: 29 Oct 2024 14:05

Tgt Ion: 98 Resp: 341547

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 2.462 ug/l

RT: 10.447 min Scan# 1443

Delta R.T. 0.006 min

Lab File: VN084561.D

Acq: 29 Oct 2024 14:05

Instrument :

MSVOA_N

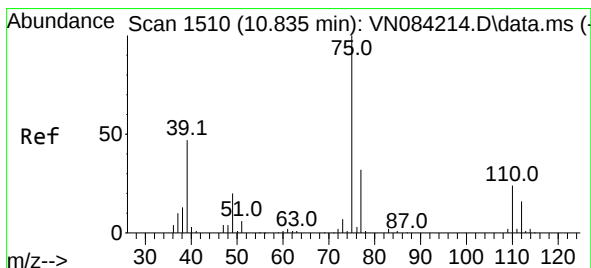
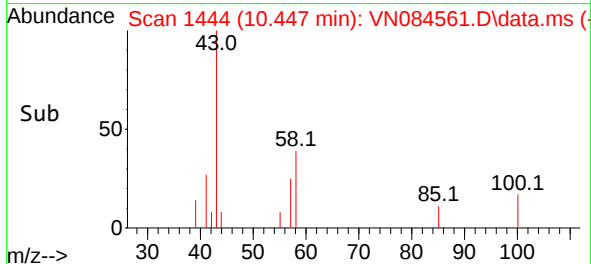
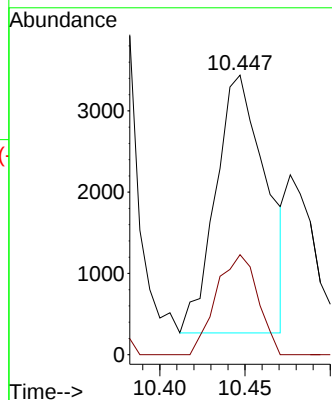
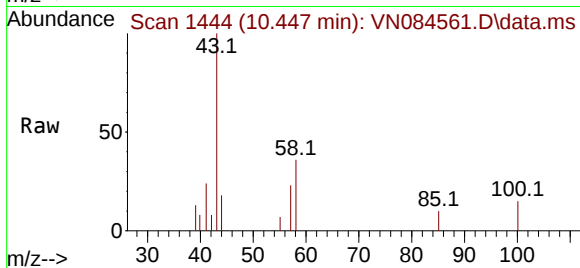
ClientSampleId :

Tgt Ion: 43 Resp: 6504

Ion Ratio Lower Upper

43 100

58 32.1 31.6 47.4



#53

t-1,3-Dichloropropene

Concen: 0.232 ug/l

RT: 10.724 min Scan# 1491

Delta R.T. -0.112 min

Lab File: VN084561.D

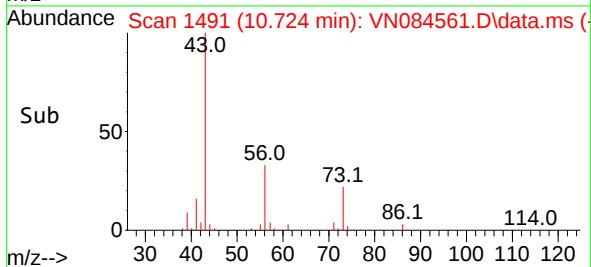
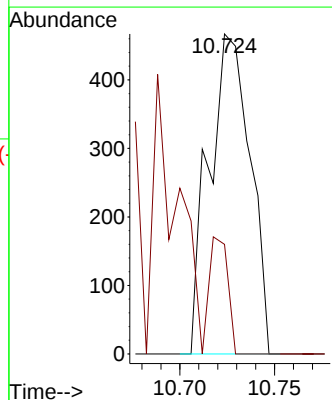
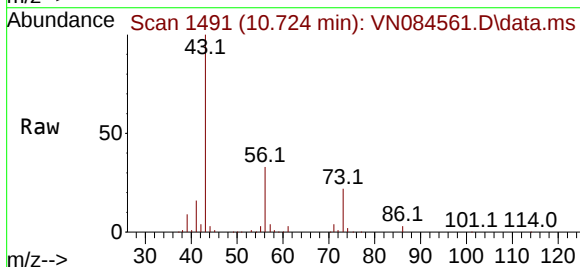
Acq: 29 Oct 2024 14:05

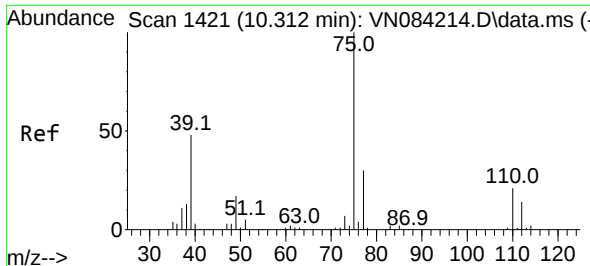
Tgt Ion: 75 Resp: 708

Ion Ratio Lower Upper

75 100

77 34.3 25.4 38.0

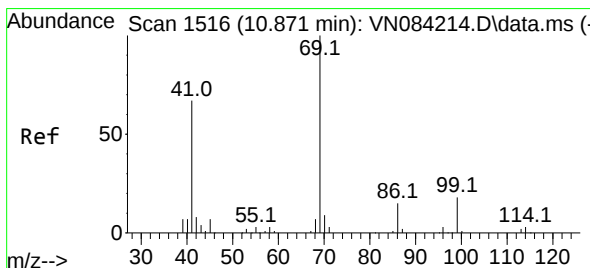
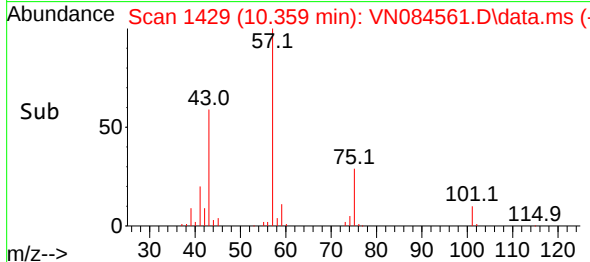
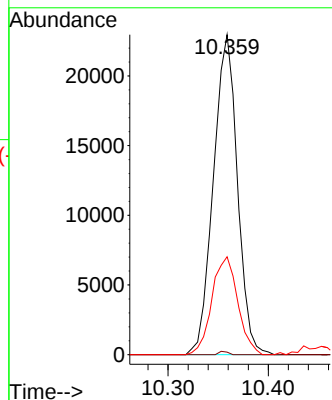
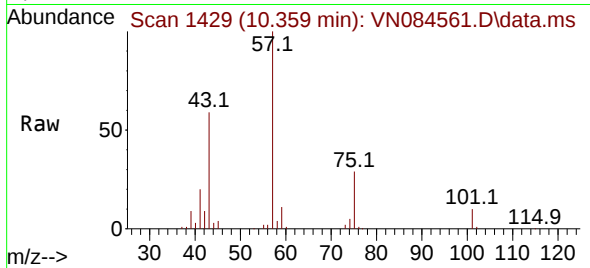




#54
 cis-1,3-Dichloropropene
 Concen: 11.648 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084561.D
 Acq: 29 Oct 2024 14:05

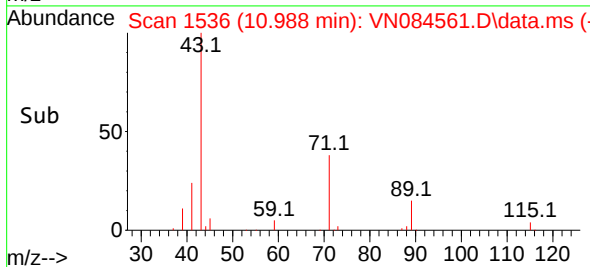
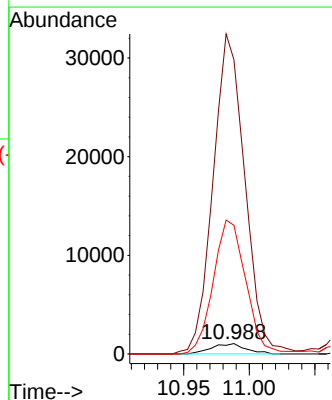
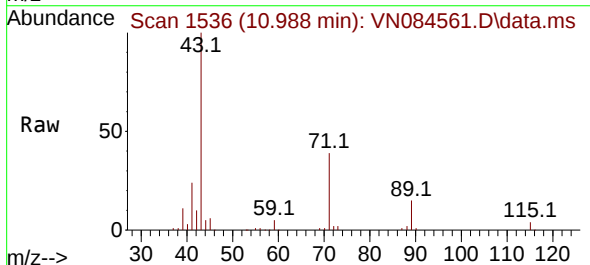
Instrument :
 MSVOA_N
 ClientSampleId :

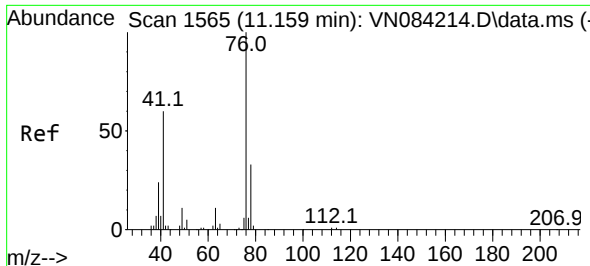
Tgt Ion: 75 Resp: 38173
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.2 36.2#
 39 30.6 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.631 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN084561.D
 Acq: 29 Oct 2024 14:05

Tgt Ion: 69 Resp: 1912
 Ion Ratio Lower Upper
 69 100
 41 2864.6 53.3 79.9#
 39 1224.7 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.573 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084561.D

Acq: 29 Oct 2024 14:05

Instrument :

MSVOA_N

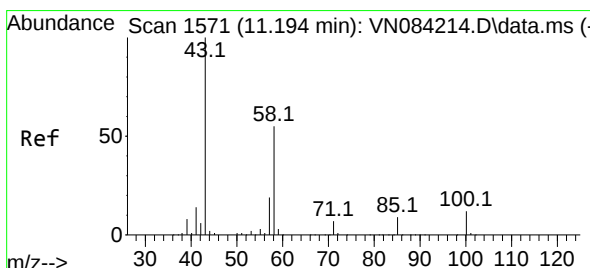
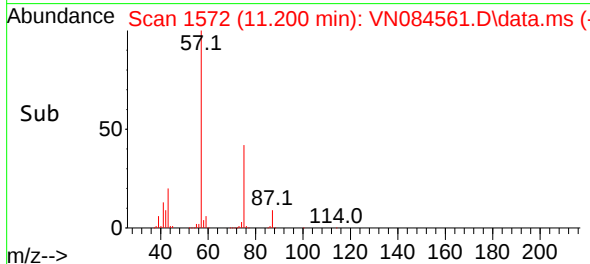
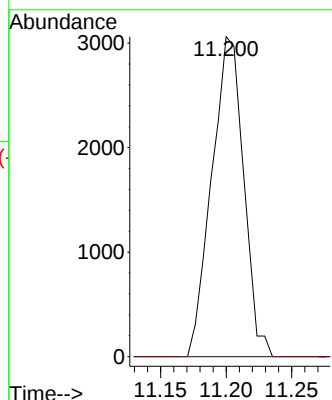
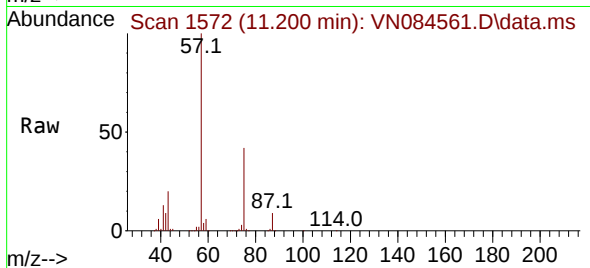
ClientSampleId :

Tgt Ion: 76 Resp: 5177

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 48.175 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084561.D

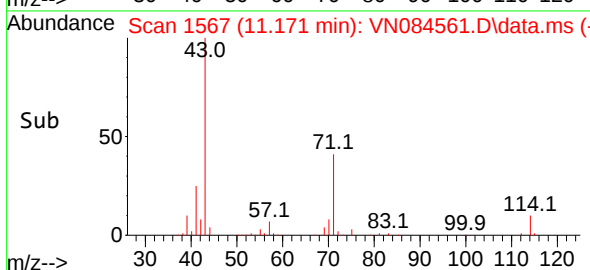
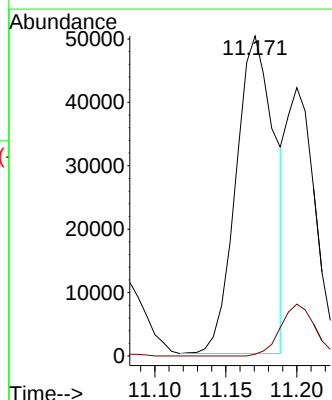
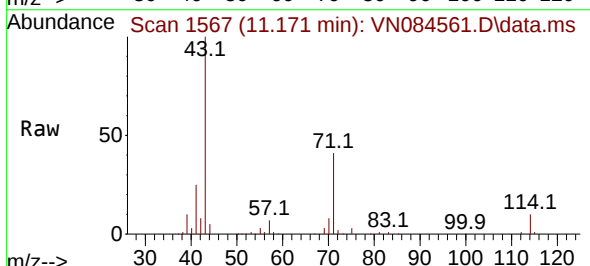
Acq: 29 Oct 2024 14:05

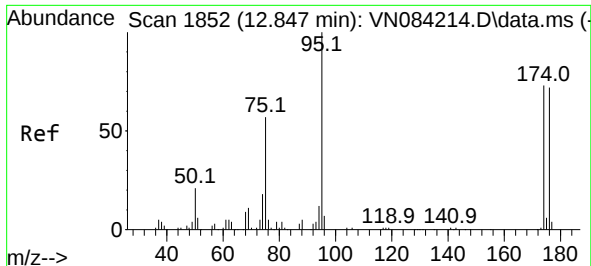
Tgt Ion: 43 Resp: 95117

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

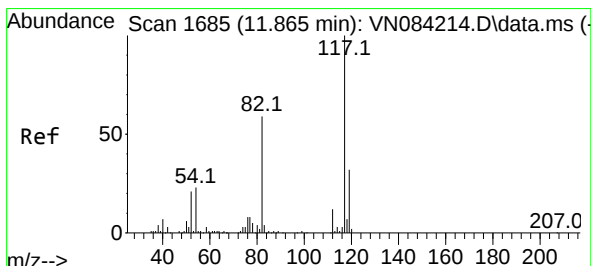
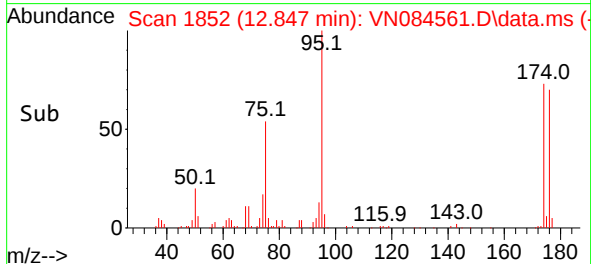
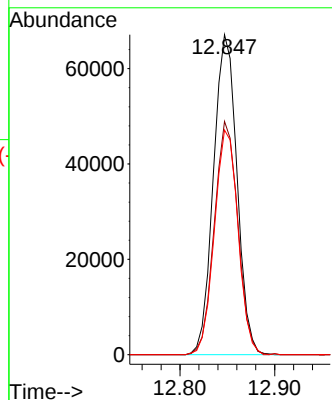
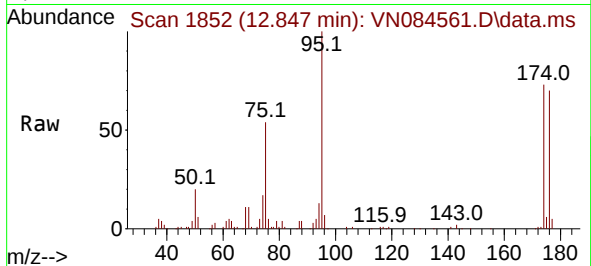




#62
4-Bromofluorobenzene
Concen: 46.364 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

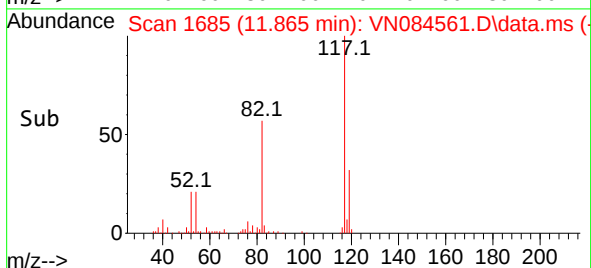
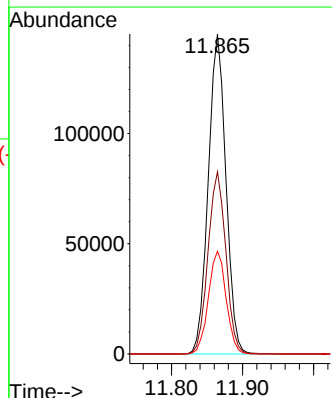
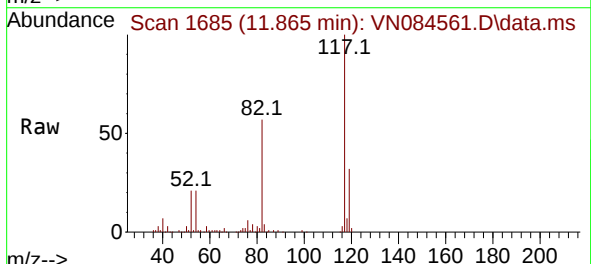
Instrument :
MSVOA_N
ClientSampleId :

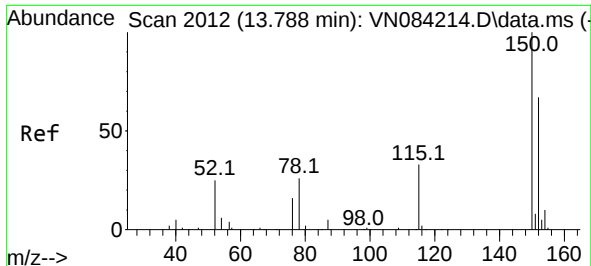
Tgt Ion: 95 Resp: 115720
Ion Ratio Lower Upper
95 100
174 73.1 0.0 145.2
176 70.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084561.D
Acq: 29 Oct 2024 14:05

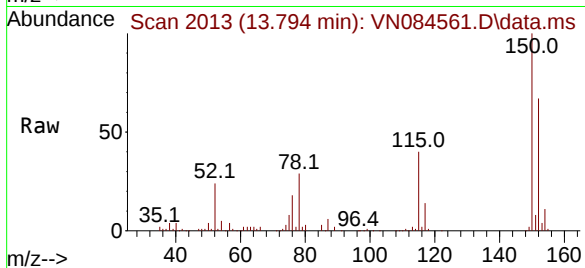
Tgt Ion: 117 Resp: 250672
Ion Ratio Lower Upper
117 100
82 57.0 47.2 70.8
119 32.1 25.4 38.0



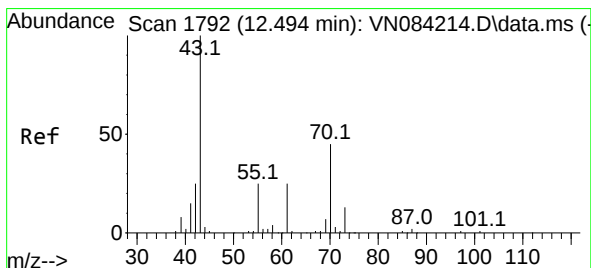
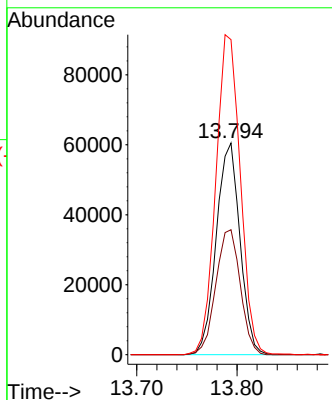
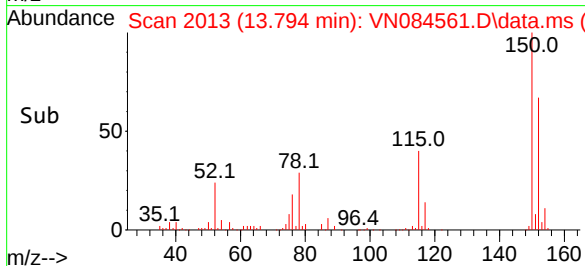


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN084561.D
 Acq: 29 Oct 2024 14:05

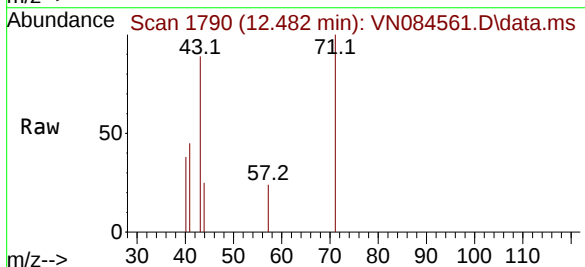
Instrument :
 MSVOA_N
 ClientSampleId :



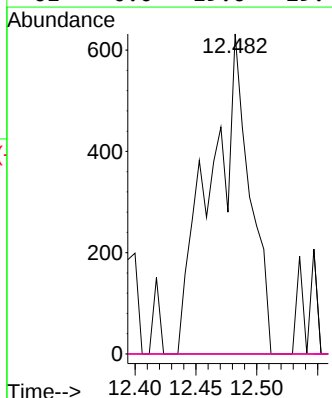
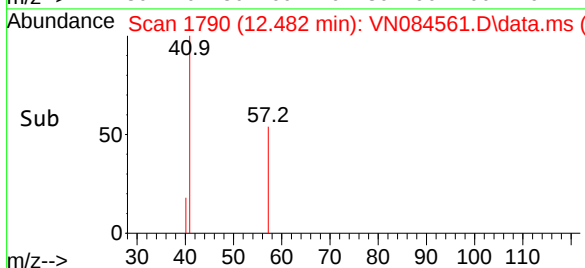
Tgt Ion:152 Resp: 99156
 Ion Ratio Lower Upper
 152 100
 115 61.1 31.3 93.9
 150 156.5 0.0 349.8

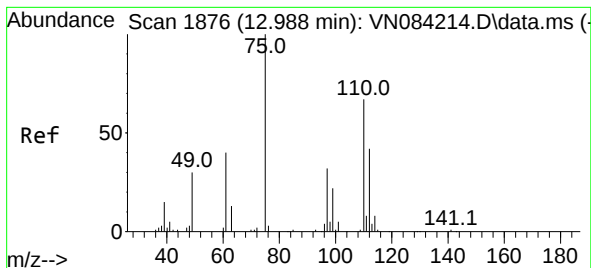


#74
 N-ethyl acetate
 Concen: 0.415 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: VN084561.D
 Acq: 29 Oct 2024 14:05



Tgt Ion: 43 Resp: 1423
 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: 30.178 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084561.D

Acq: 29 Oct 2024 14:05

Instrument :

MSVOA_N

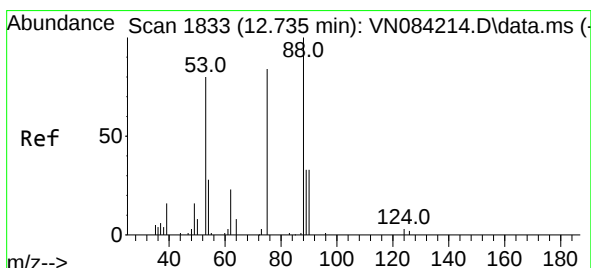
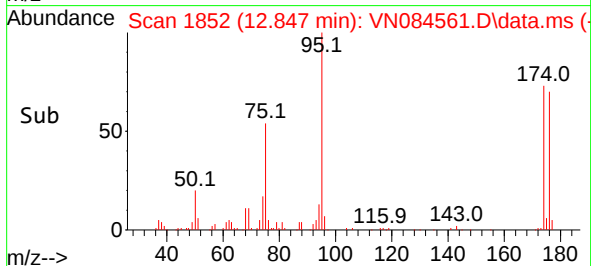
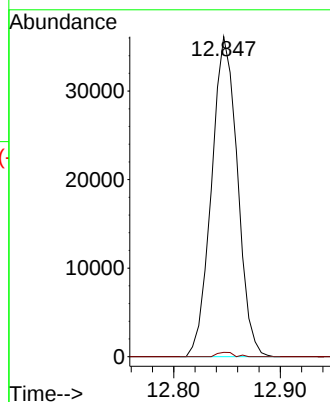
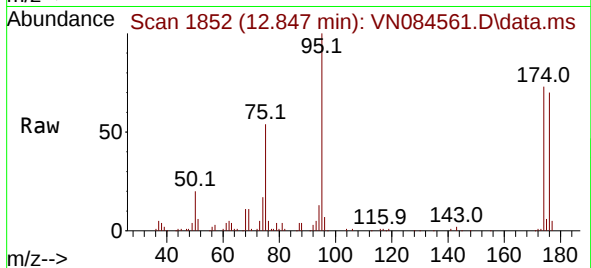
ClientSampleId :

Tgt Ion: 75 Resp: 61089

Ion Ratio Lower Upper

75 100

77 0.9 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.350 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084561.D

Acq: 29 Oct 2024 14:05

Tgt Ion: 75 Resp: 61089

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#

