

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084596.D
 Acq On : 31 Oct 2024 03:21
 Operator : JC\MD
 Sample : P4611-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 05:19:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	178259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	327697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130185	50.000	ug/l	0.00

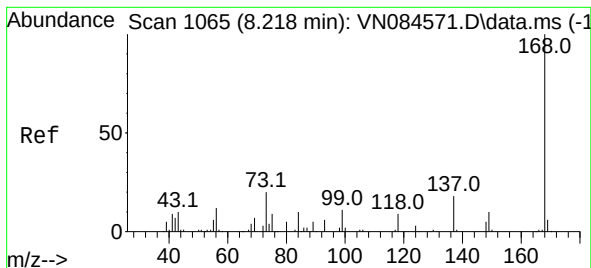
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132845	51.597	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.200%
35) Dibromofluoromethane	8.165	113	105523	47.573	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.140%
50) Toluene-d8	10.565	98	391862	47.959	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.920%
62) 4-Bromofluorobenzene	12.847	95	143976	47.148	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.300%

Target Compounds				Qvalue		
3) Chloromethane	2.359	50	1136	Below Cal	#	41
6) Chloroethane	3.018	64	694	Below Cal	#	47
11) Tert butyl alcohol	5.483	59	2701	7.948	ug/l #	73
16) Acetone	4.430	43	12445	14.041	ug/l #	85
18) Methyl Acetate	5.030	43	12027	0.473	ug/l	94
20) Methylene Chloride	5.271	84	1421	0.628	ug/l #	70
25) 2-Butanone	7.483	43	1545	1.286	ug/l #	89
29) Tetrahydrofuran	7.841	42	178	0.223	ug/l #	58
31) Cyclohexane	8.224	56	3758	1.057	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15125	4.917	ug/l #	43
37) Ethyl Acetate	7.553	43	2702	0.968	ug/l #	78
38) Carbon Tetrachloride	8.224	117	19675	5.722	ug/l #	15
43) Isopropyl Acetate	8.682	43	138176	26.341	ug/l #	83
45) 1,2-Dichloropropane	9.729	63	1018	0.439	ug/l #	44
48) Methyl methacrylate	9.659	41	2565	1.181	ug/l #	13
51) 4-Methyl-2-Pentanone	10.447	43	3436	1.291	ug/l #	77
54) cis-1,3-Dichloropropene	10.353	75	36453	9.653	ug/l #	63
56) Ethyl methacrylate	10.976	69	1393	0.442	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4948	1.325	ug/l #	42
59) 2-Hexanone	11.200	43	51442	26.562	ug/l #	57
74) N-amyl acetate	12.482	43	992	0.255	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	75569	29.039	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75569	68.892	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	64	Below Cal	#	24

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

Quant Time: Nov 01 05:19:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

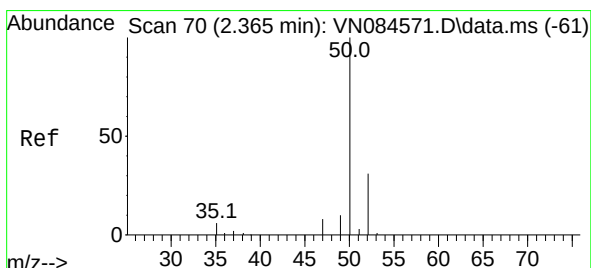
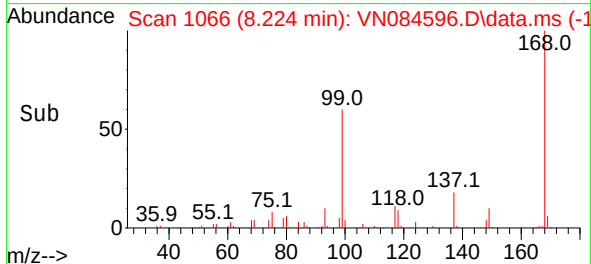
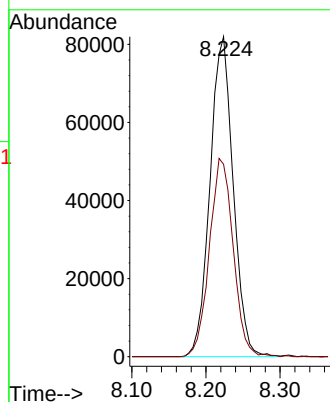
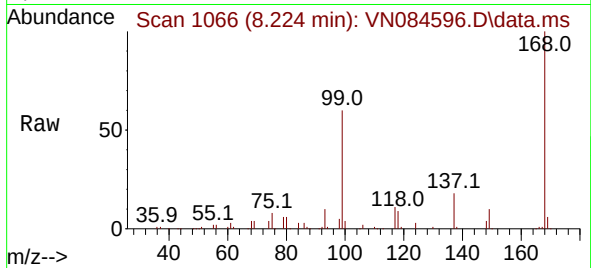




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

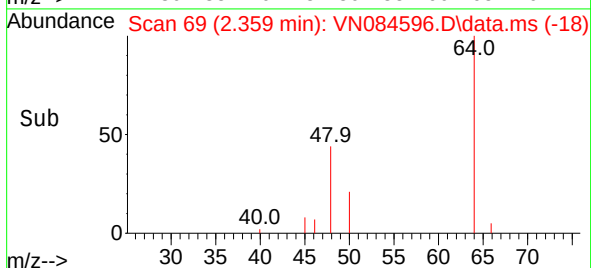
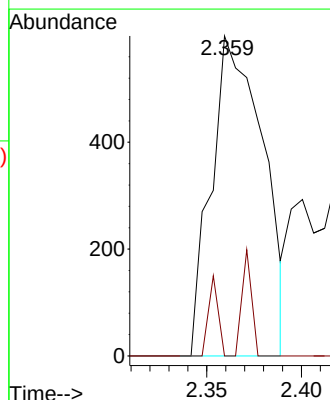
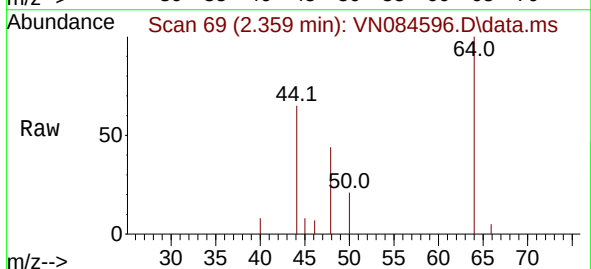
Instrument :
MSVOA_N
ClientSampleId :

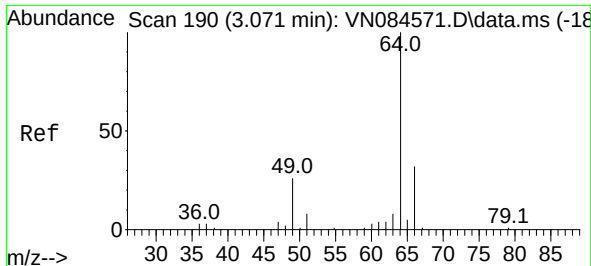
Tgt Ion:168 Resp: 178259
Ion Ratio Lower Upper
168 100
99 60.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Tgt Ion: 50 Resp: 1136
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

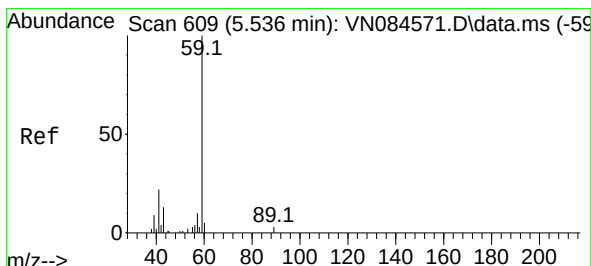
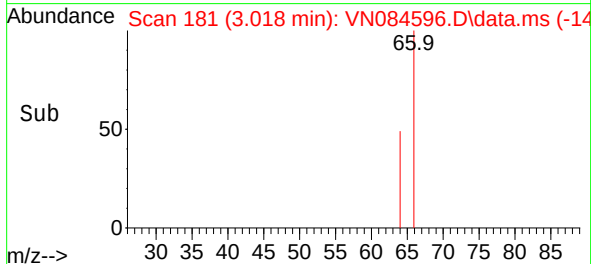
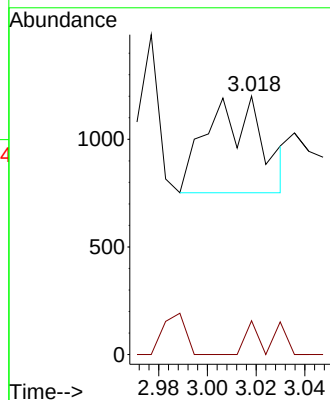
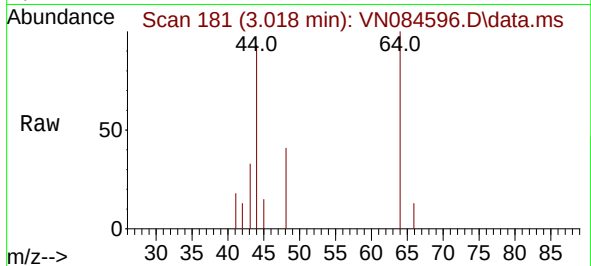




#6
Chloroethane
Concen: Below Cal
RT: 3.018 min Scan# 11
Delta R.T. -0.100 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

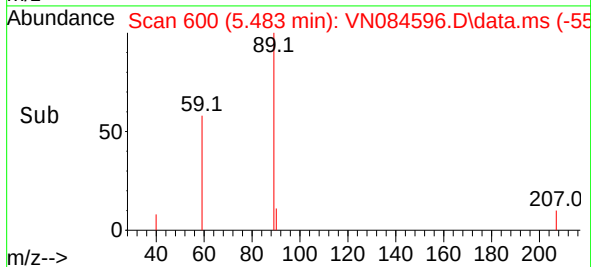
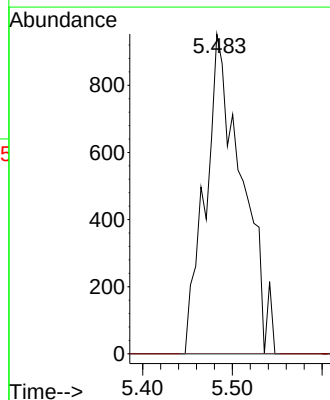
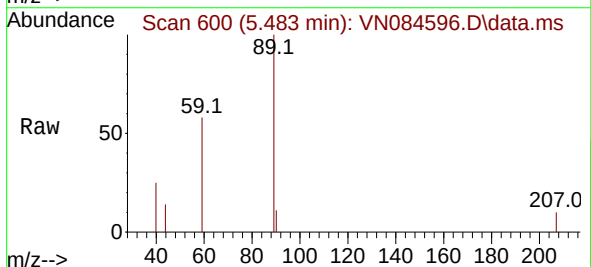
Instrument :
MSVOA_N
ClientSampleId :

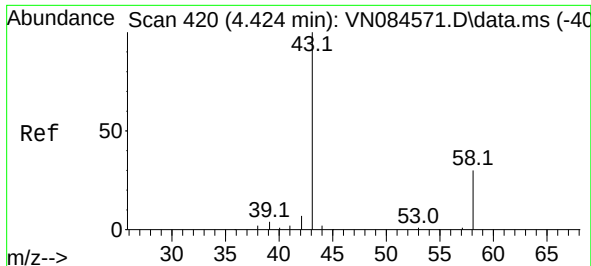
Tgt Ion: 64 Resp: 694
Ion Ratio Lower Upper
64 100
66 1.1 23.5 35.3#



#11
Tert butyl alcohol
Concen: 7.948 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Tgt Ion: 59 Resp: 2701
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

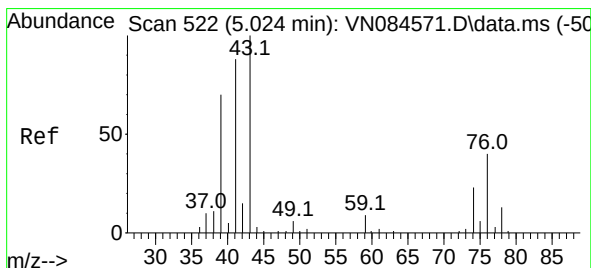
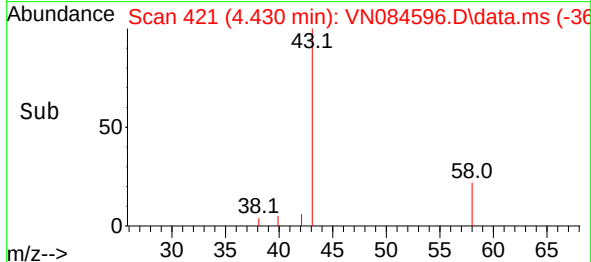
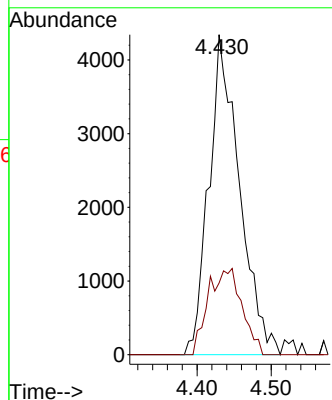
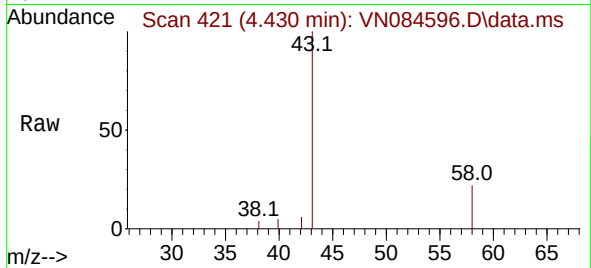




#16
Acetone
Concen: 14.041 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

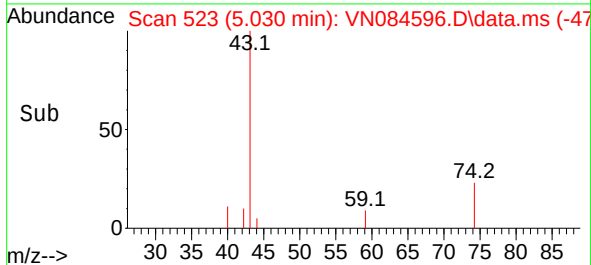
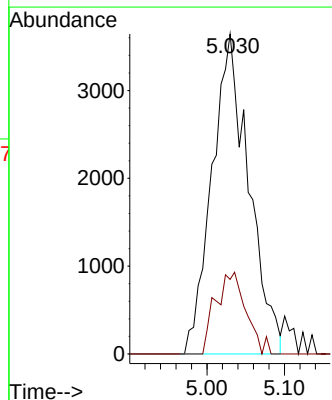
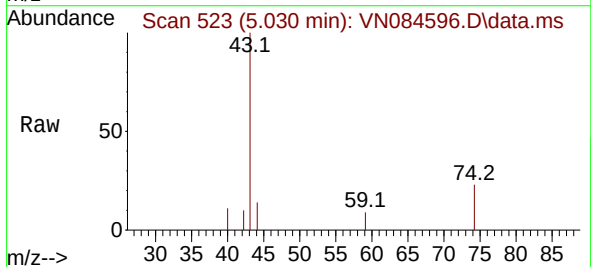
Instrument :
MSVOA_N
ClientSampleId :

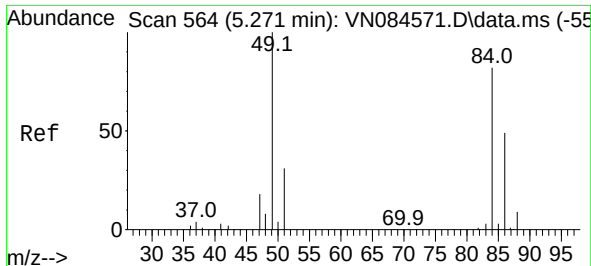
Tgt Ion: 43 Resp: 12445
Ion Ratio Lower Upper
43 100
58 22.4 24.4 36.6#



#18
Methyl Acetate
Concen: 0.473 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

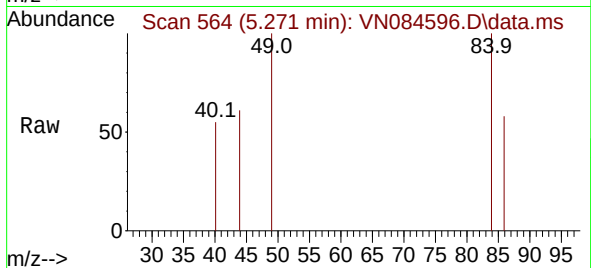
Tgt Ion: 43 Resp: 12027
Ion Ratio Lower Upper
43 100
74 21.1 19.2 28.8



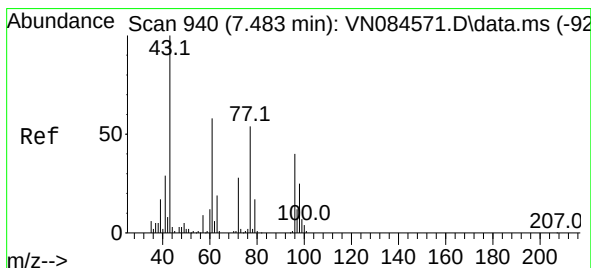
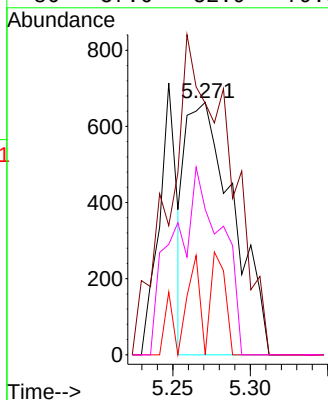
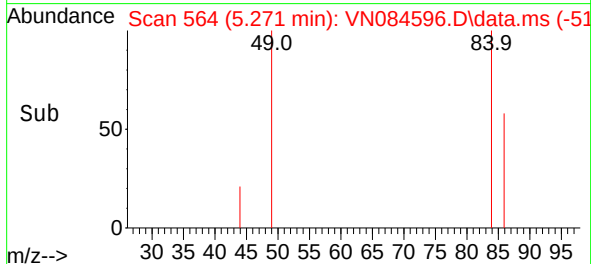


#20
Methylene Chloride
Concen: 0.628 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Instrument :
MSVOA_N
ClientSampleId :

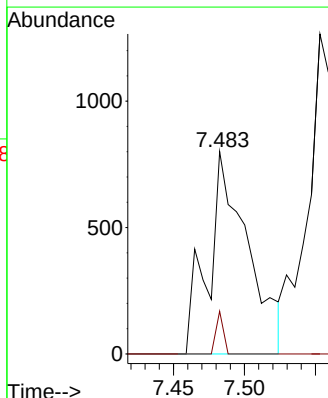
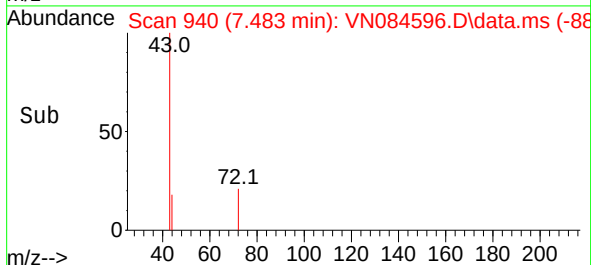
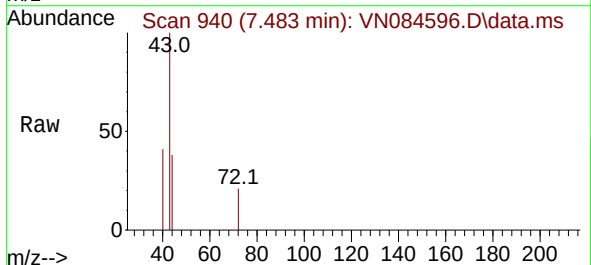


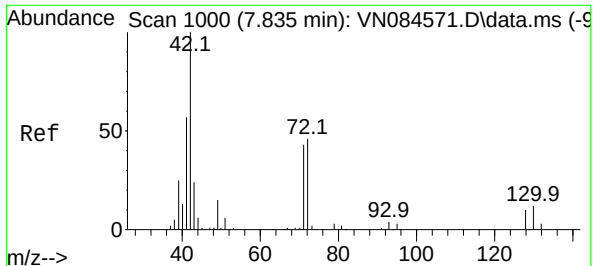
Tgt Ion: 84	Resp: 1421
Ion Ratio	Lower Upper
84 100	
49 99.7	107.2 160.8#
51 0.0	31.8 47.8#
86 57.6	52.9 79.3



#25
2-Butanone
Concen: 1.286 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Tgt Ion: 43	Resp: 1545		
Ion Ratio	Lower	Upper	
43 100			
72 21.1	21.4	32.2#	

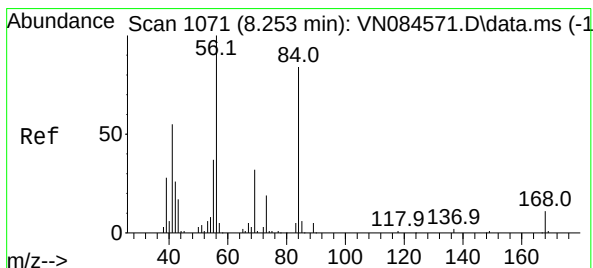
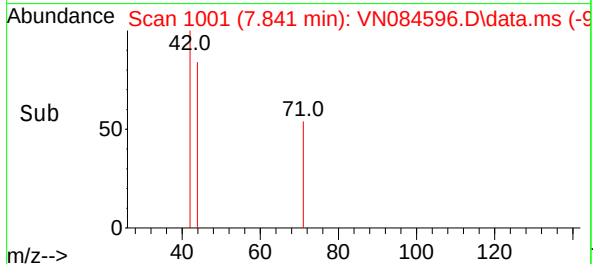
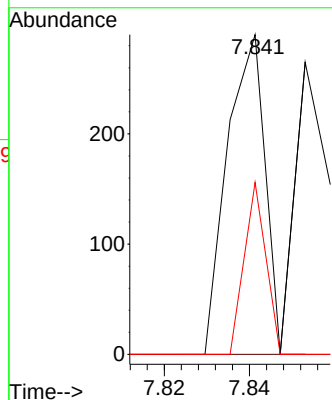
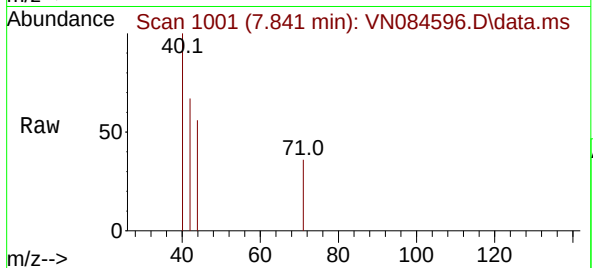




#29
Tetrahydrofuran
Concen: 0.223 ug/l
RT: 7.841 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

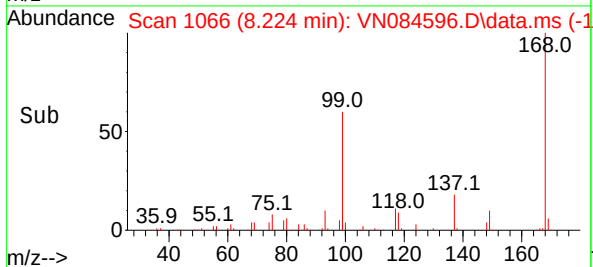
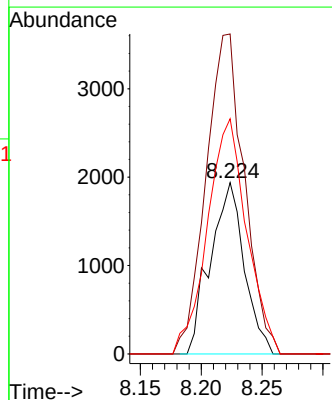
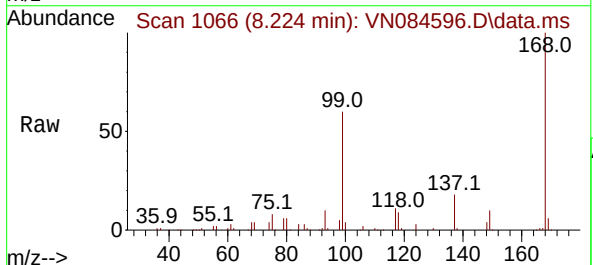
Instrument :
MSVOA_N
ClientSampleId :

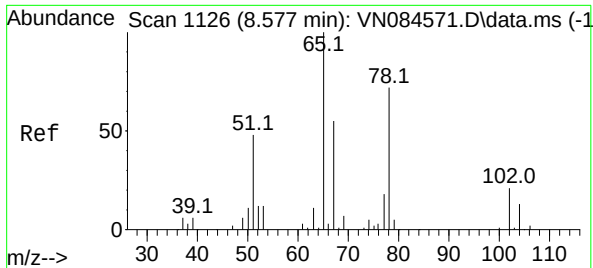
Tgt Ion: 42 Resp: 178
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 30.9 32.2 48.4#



#31
Cyclohexane
Concen: 1.057 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Tgt Ion: 56 Resp: 3758
Ion Ratio Lower Upper
56 100
69 186.7 23.8 35.6#
84 137.2 68.8 103.2#

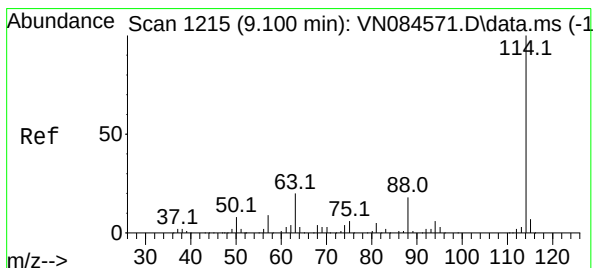
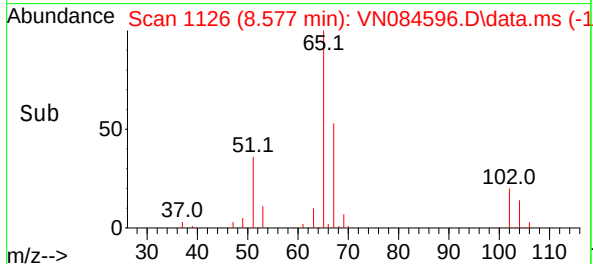
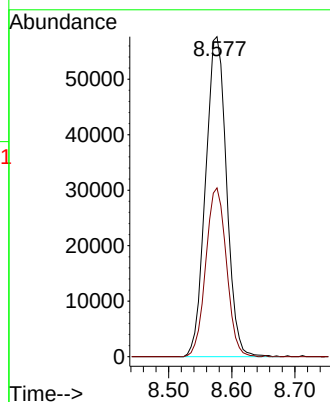
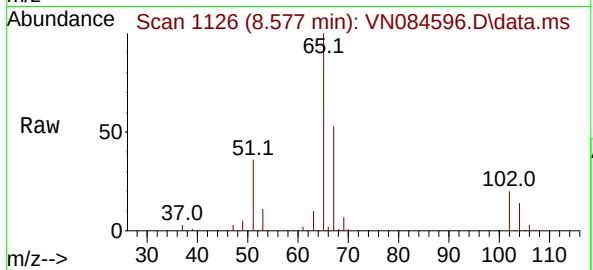




#33
1,2-Dichloroethane-d4
Concen: 51.597 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

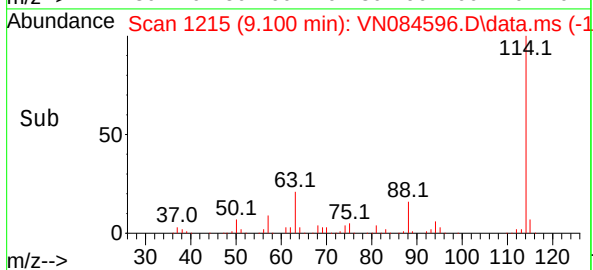
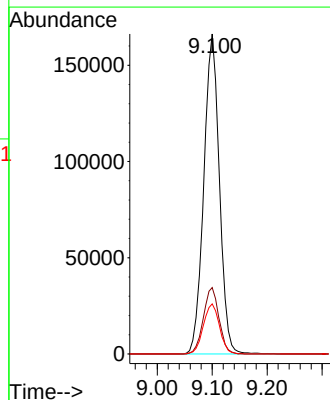
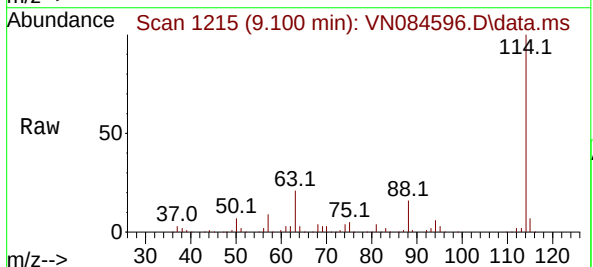
Instrument :
MSVOA_N
ClientSampleId :

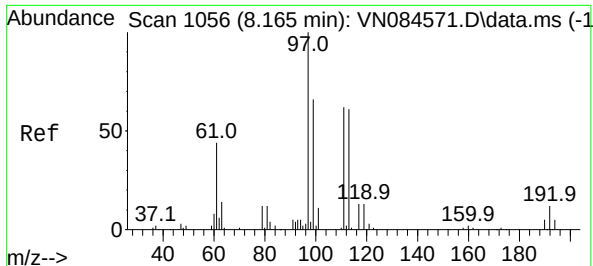
Tgt Ion: 65 Resp: 132845
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Tgt Ion:114 Resp: 327697
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.8
88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.573 ug/l

RT: 8.165 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084596.D

Acq: 31 Oct 2024 03:21

Instrument :

MSVOA_N

ClientSampleId :

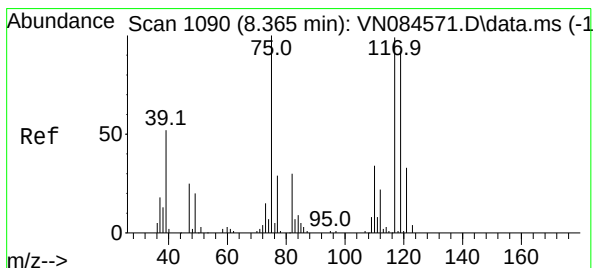
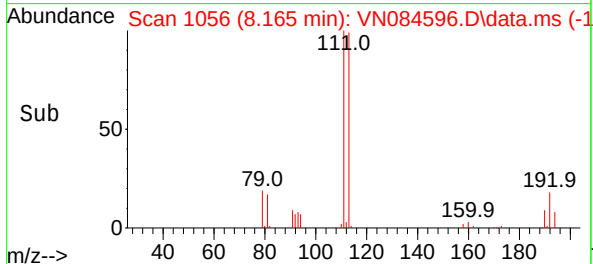
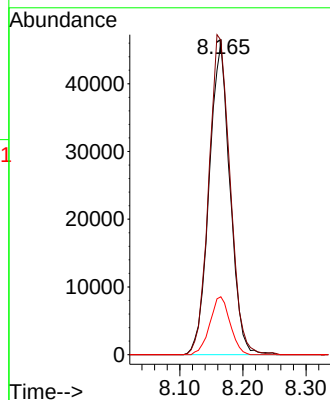
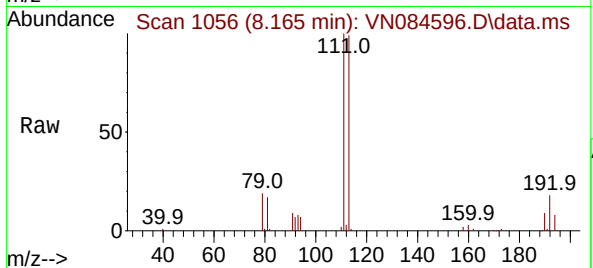
Tgt Ion:113 Resp: 105523

Ion Ratio Lower Upper

113 100

111 105.0 83.3 124.9

192 18.0 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.917 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084596.D

Acq: 31 Oct 2024 03:21

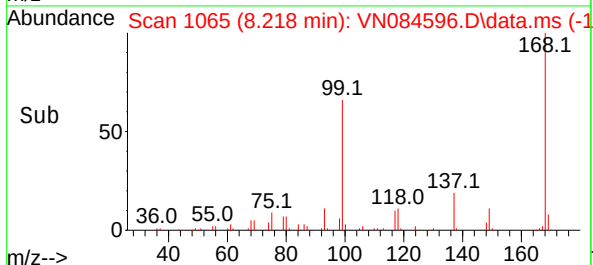
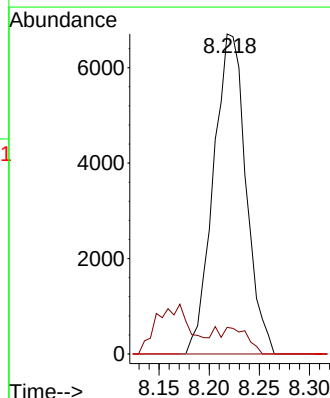
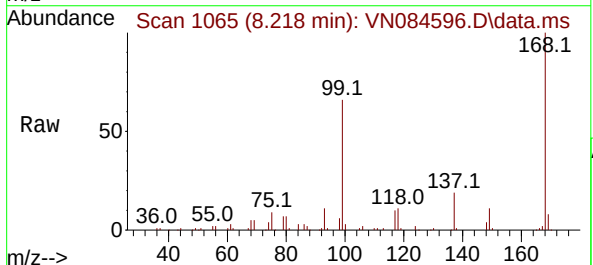
Tgt Ion: 75 Resp: 15125

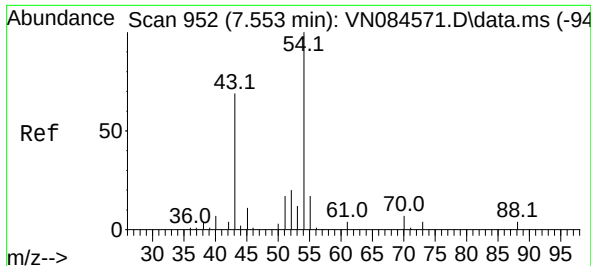
Ion Ratio Lower Upper

75 100

110 0.7 16.9 50.7#

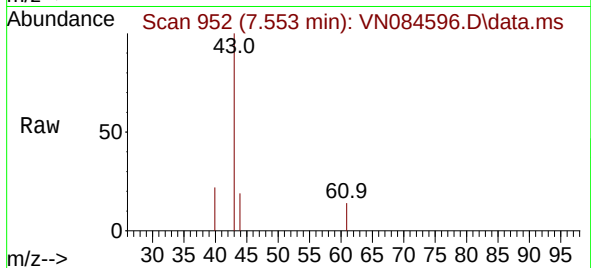
77 0.0 24.7 37.1#



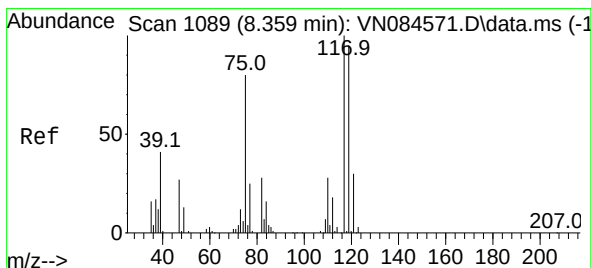
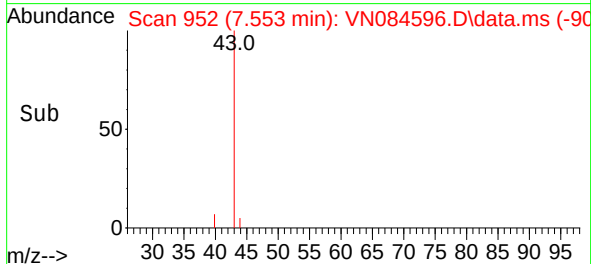
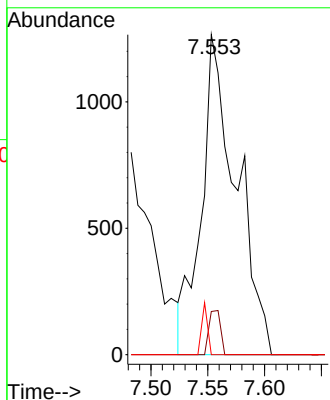


#37
Ethyl Acetate
Concen: 0.968 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Instrument :
MSVOA_N
ClientSampleId :

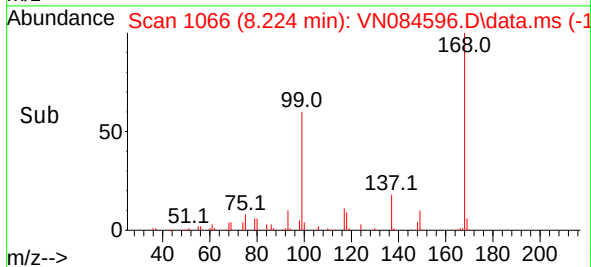
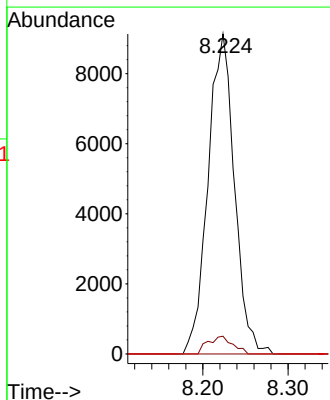
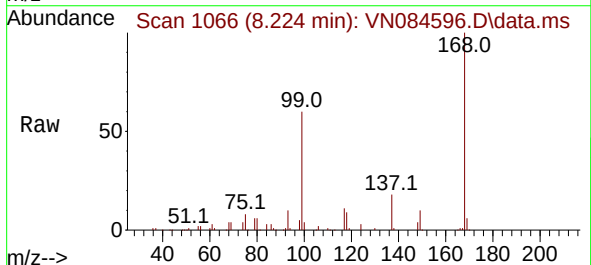


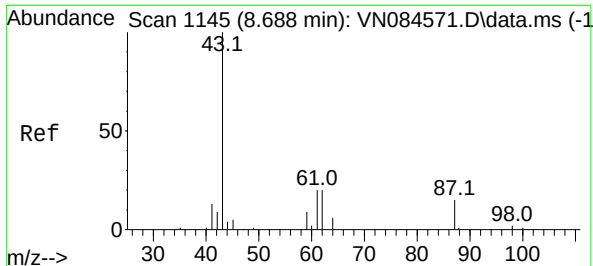
Tgt Ion: 43 Resp: 2702
Ion Ratio Lower Upper
43 100
61 4.5 10.7 16.1#
70 2.7 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.722 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Tgt Ion: 117 Resp: 19675
Ion Ratio Lower Upper
117 100
119 5.6 78.7 118.1#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 26.341 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN084596.D

Acq: 31 Oct 2024 03:21

Instrument :

MSVOA_N

ClientSampleId :

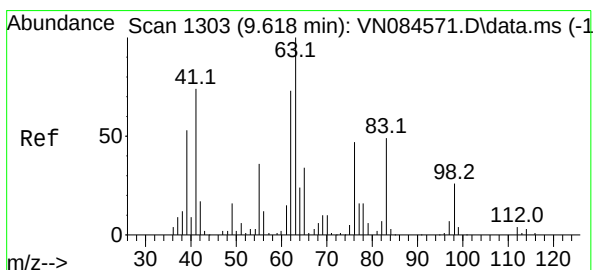
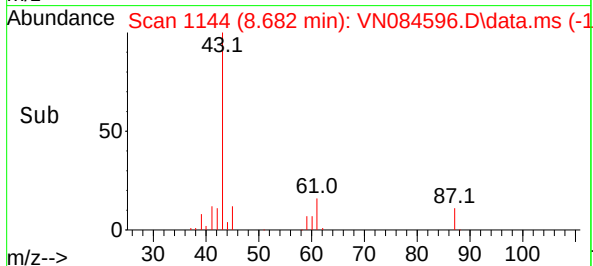
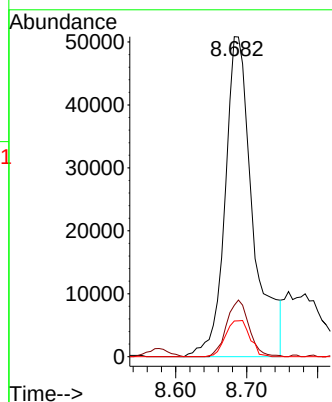
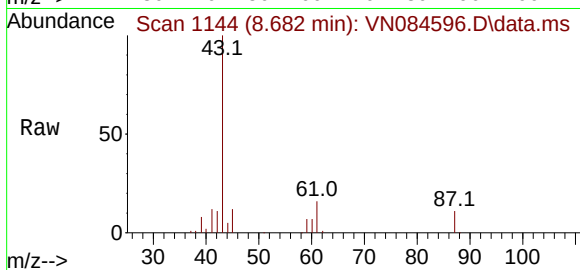
Tgt Ion: 43 Resp: 138176

Ion Ratio Lower Upper

43 100

61 14.3 20.4 30.6#

87 9.8 10.3 15.5#



#45

1,2-Dichloropropane

Concen: 0.439 ug/l

RT: 9.729 min Scan# 1322

Delta R.T. 0.111 min

Lab File: VN084596.D

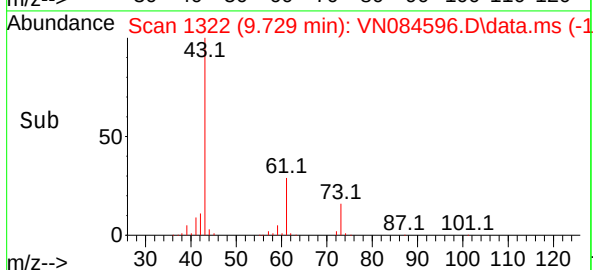
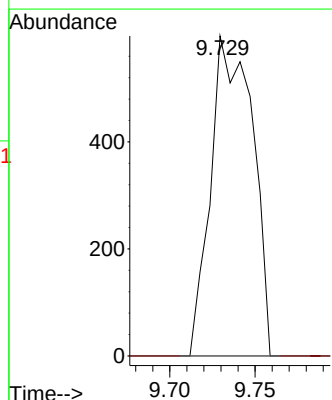
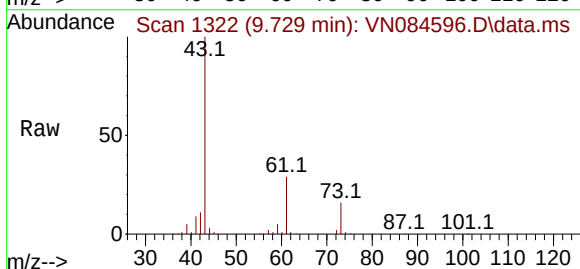
Acq: 31 Oct 2024 03:21

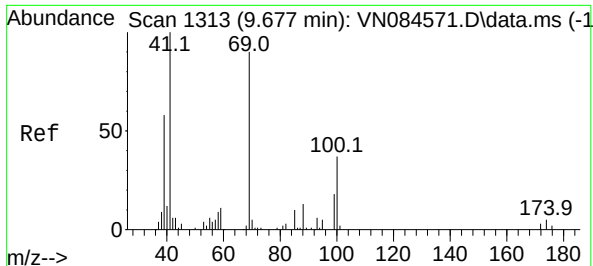
Tgt Ion: 63 Resp: 1018

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.181 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN084596.D

Acq: 31 Oct 2024 03:21

Instrument :

MSVOA_N

ClientSampleId :

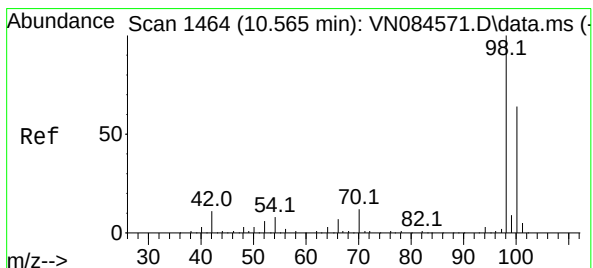
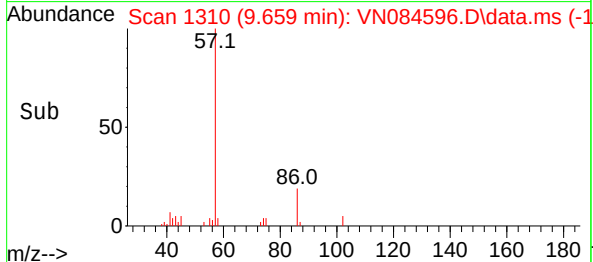
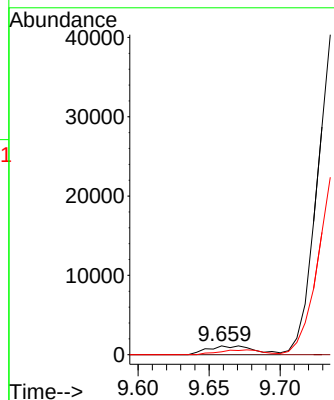
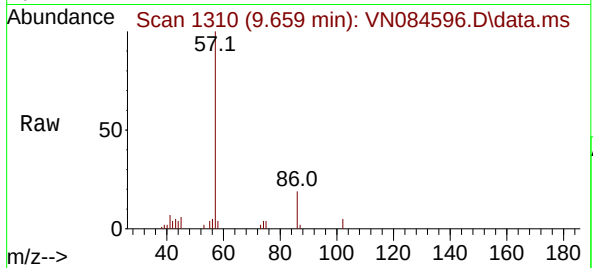
Tgt Ion: 41 Resp: 2565

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 0.0 45.8 68.6#



#50

Toluene-d8

Concen: 47.959 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084596.D

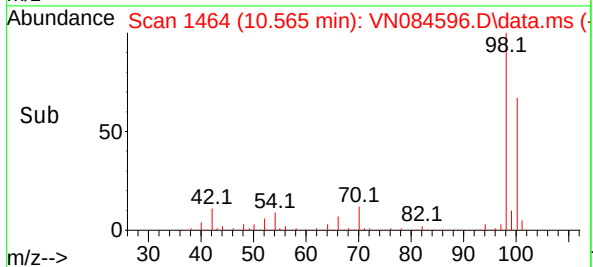
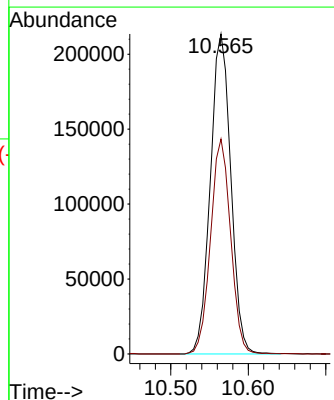
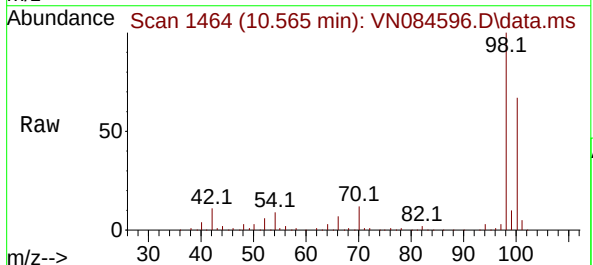
Acq: 31 Oct 2024 03:21

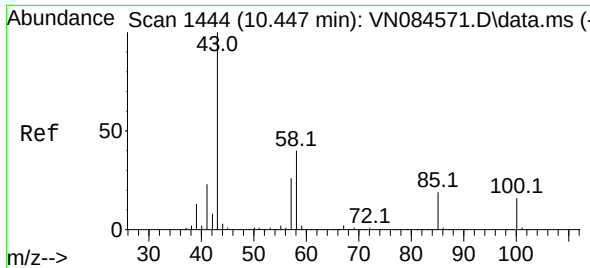
Tgt Ion: 98 Resp: 391862

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1

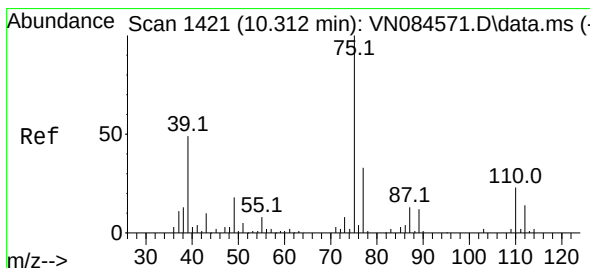
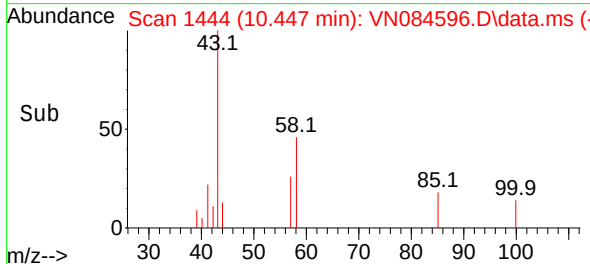
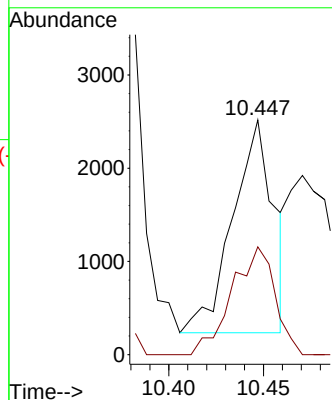
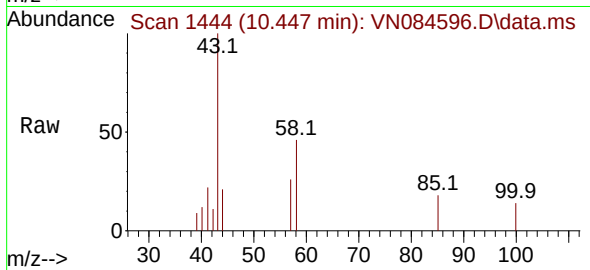




#51
4-Methyl-2-Pentanone
Concen: 1.291 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

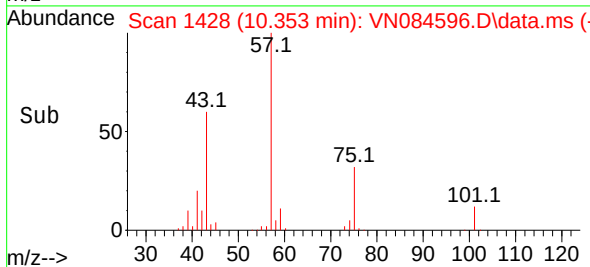
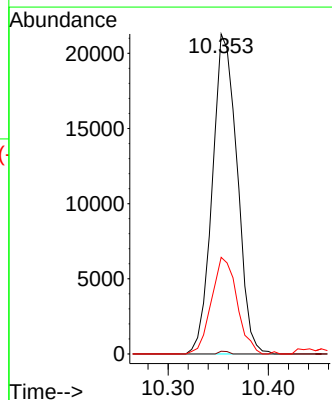
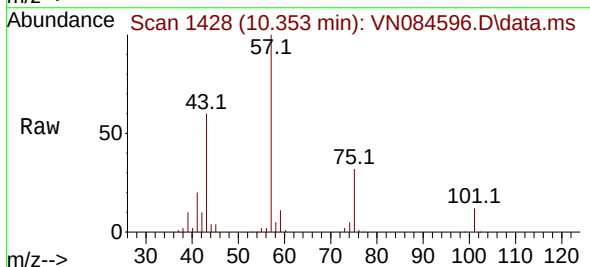
Instrument :
MSVOA_N
ClientSampleId :

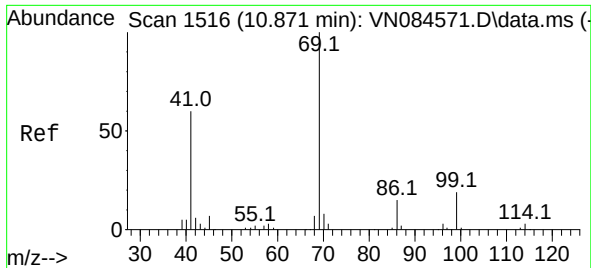
Tgt Ion: 43 Resp: 3436
Ion Ratio Lower Upper
43 100
58 53.4 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 9.653 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

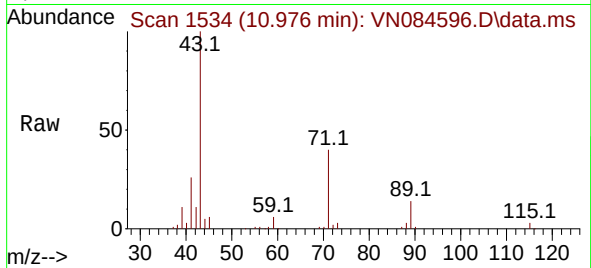
Tgt Ion: 75 Resp: 36453
Ion Ratio Lower Upper
75 100
77 0.8 24.2 36.2#
39 30.2 38.7 58.1#



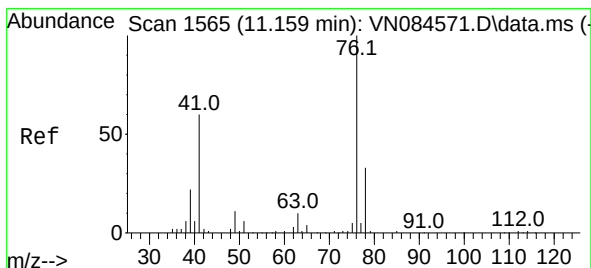
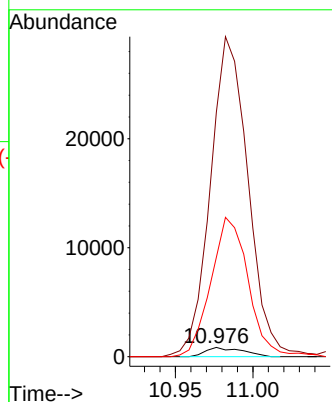
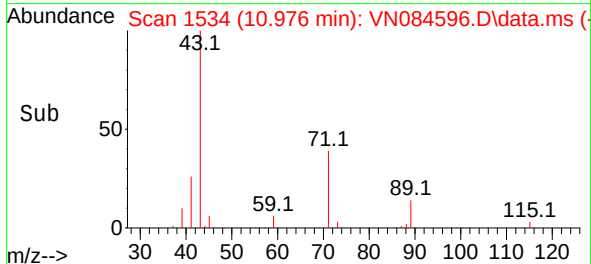


#56
Ethyl methacrylate
Concen: 0.442 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Instrument :
MSVOA_N
ClientSampleId :

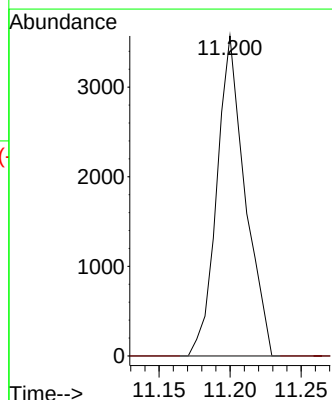
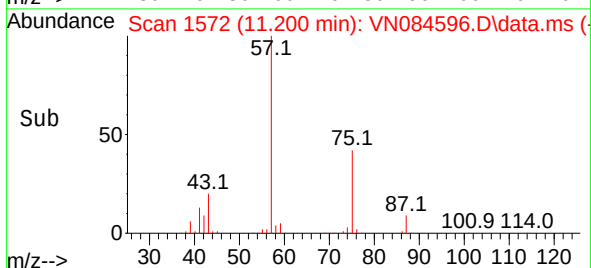
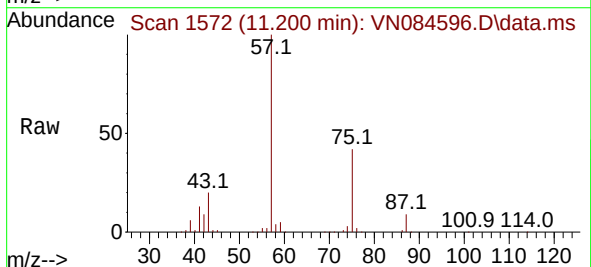


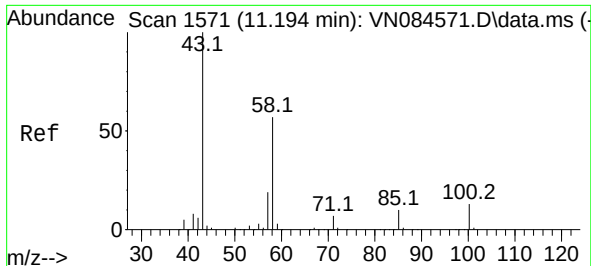
Tgt Ion: 69 Resp: 1393
Ion Ratio Lower Upper
69 100
41 3571.6 53.3 79.9#
39 1543.5 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.325 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Tgt Ion: 76 Resp: 4948
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

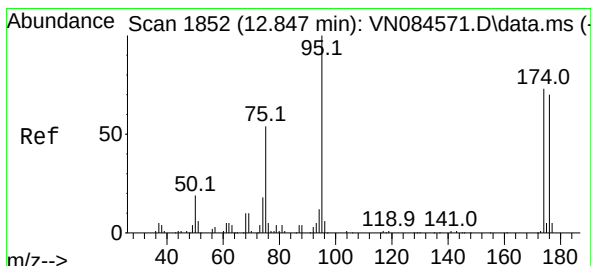
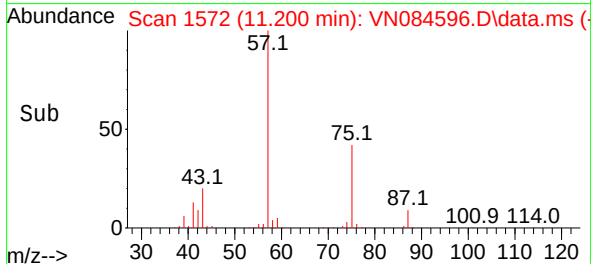
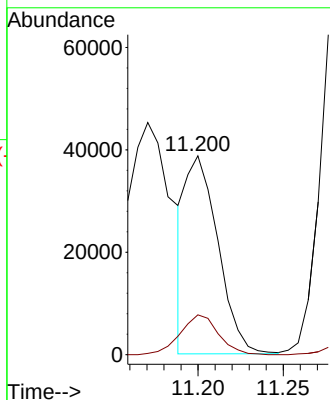
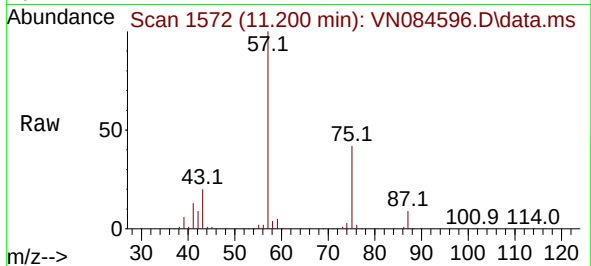




#59
2-Hexanone
Concen: 26.562 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

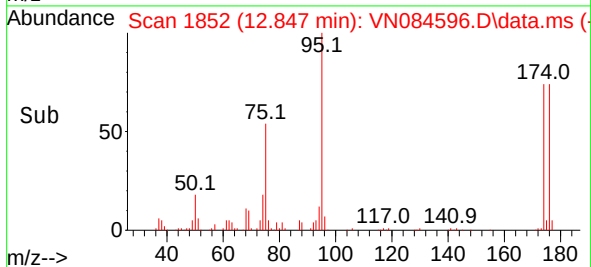
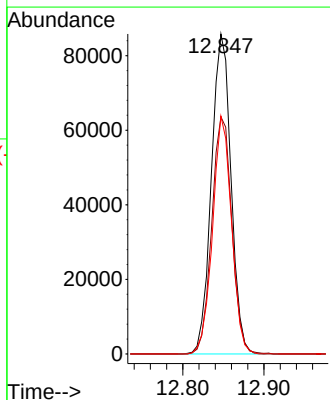
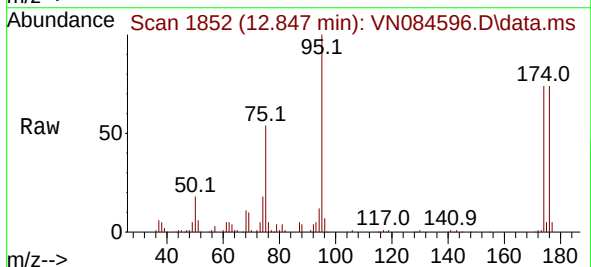
Instrument :
MSVOA_N
ClientSampleId :

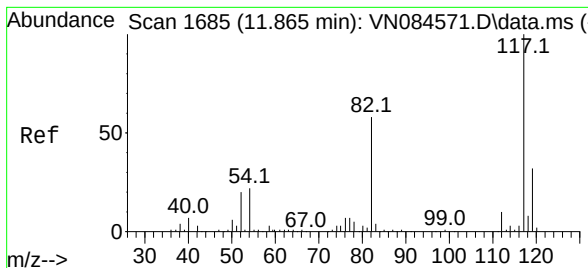
Tgt Ion: 43 Resp: 51442
Ion Ratio Lower Upper
43 100
58 23.7 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 47.148 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Tgt Ion: 95 Resp: 143976
Ion Ratio Lower Upper
95 100
174 75.9 0.0 145.2
176 71.9 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084596.D

Acq: 31 Oct 2024 03:21

Instrument :

MSVOA_N

ClientSampleId :

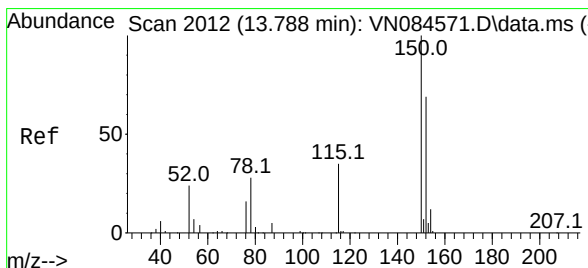
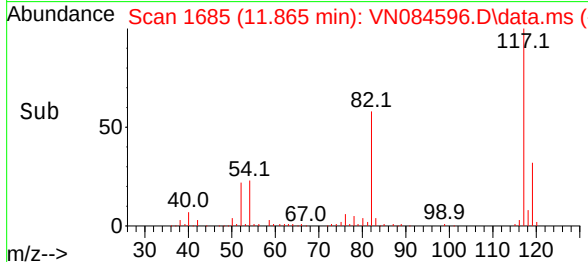
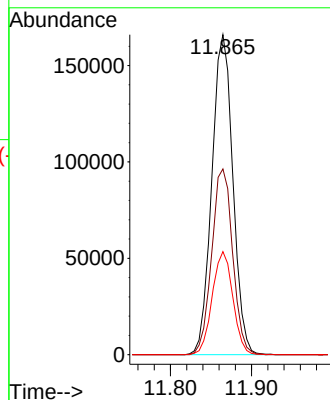
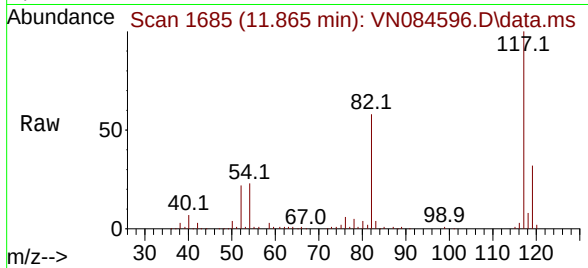
Tgt Ion:117 Resp: 298813

Ion Ratio Lower Upper

117 100

82 58.0 47.2 70.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN084596.D

Acq: 31 Oct 2024 03:21

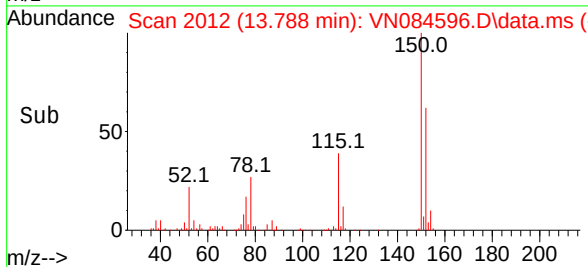
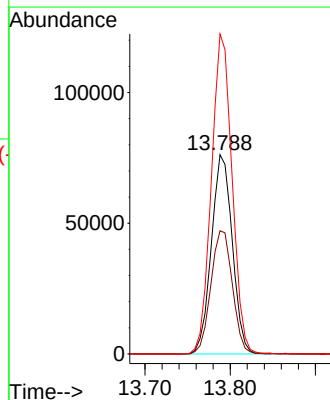
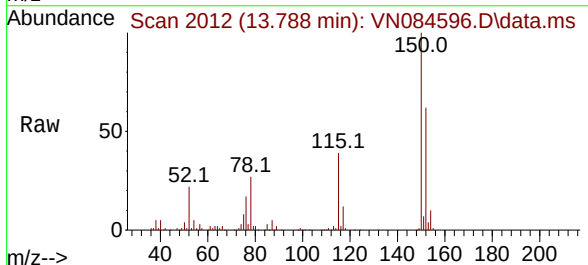
Tgt Ion:152 Resp: 130185

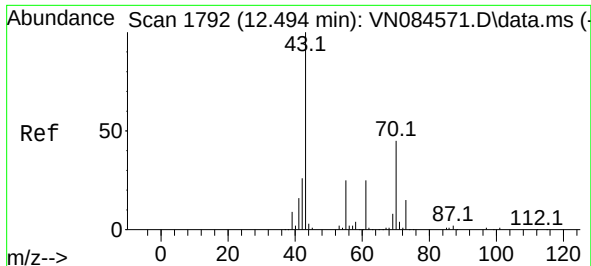
Ion Ratio Lower Upper

152 100

115 63.4 31.3 93.9

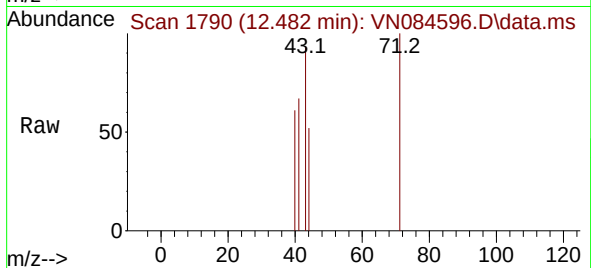
150 158.2 0.0 349.8



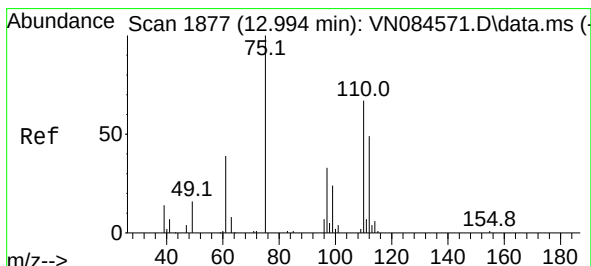
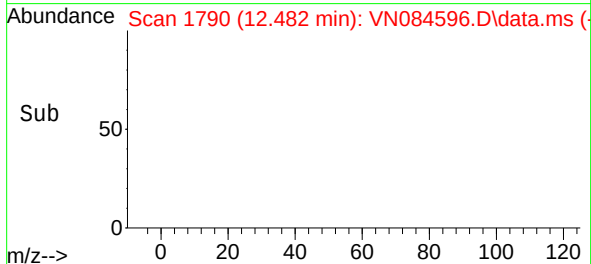
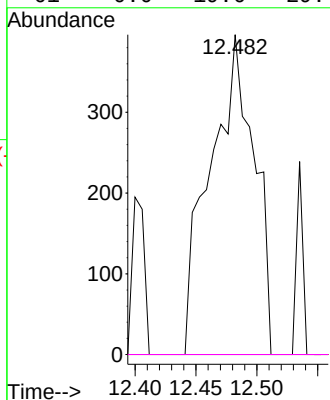


#74
N-ethyl acetate
Concen: 0.255 ug/l
RT: 12.482 min Scan# 1792
Delta R.T. -0.012 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Instrument :
MSVOA_N
ClientSampleId :

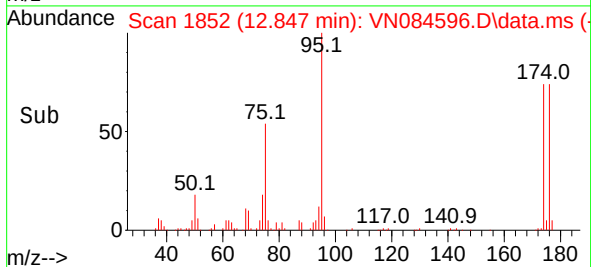
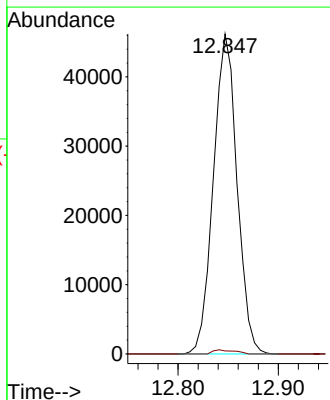
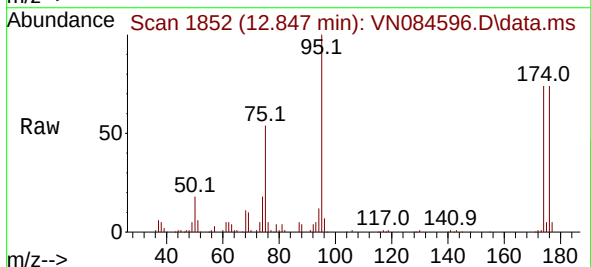


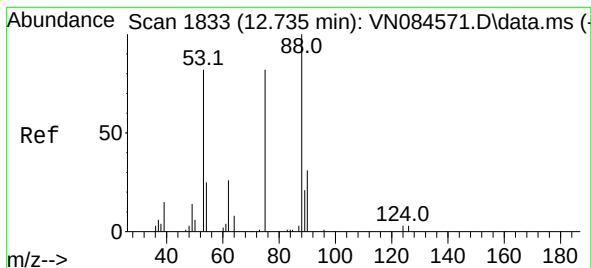
Tgt Ion: 43	Resp: 992
Ion Ratio	Lower Upper
43 100	
70 0.0	34.4 51.6#
55 0.0	19.6 29.4#
61 0.0	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 29.039 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Tgt Ion: 75	Resp: 75569
Ion Ratio	Lower Upper
75 100	
77 1.2	96.9 290.7#

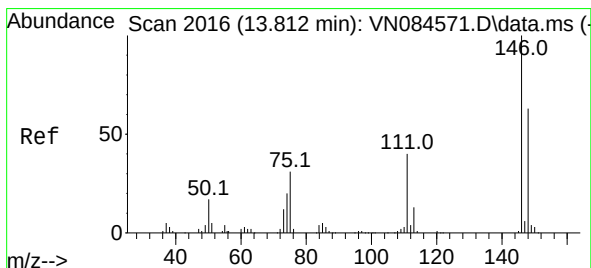
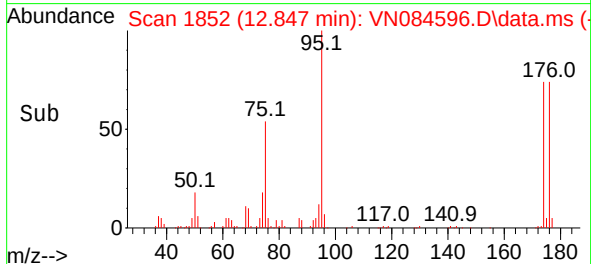
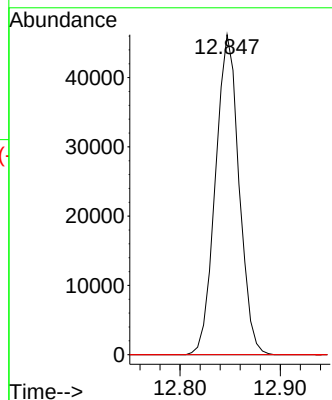
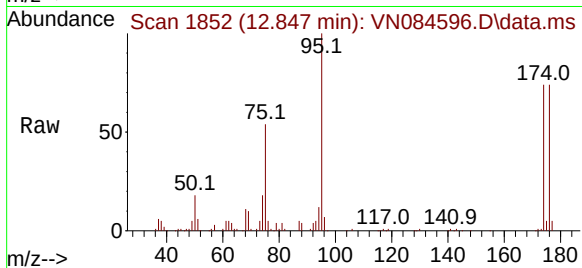




#81
trans-1,4-Dichloro-2-butene
Concen: 68.892 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 75569
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084596.D
Acq: 31 Oct 2024 03:21

Tgt Ion:146 Resp: 64
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 0.0 31.9 95.9#

