

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085633.D
 Acq On : 03 Feb 2025 19:37
 Operator : JC\MD
 Sample : Q1232-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

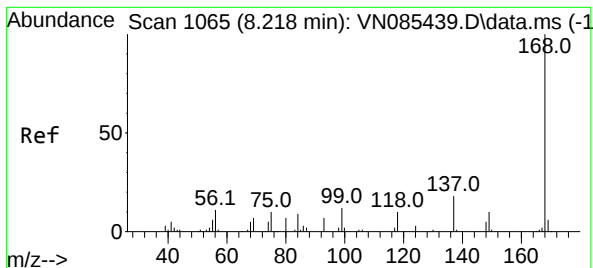
Quant Time: Feb 04 01:00:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	347669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139935	53.120	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.240%	
35) Dibromofluoromethane	8.165	113	116318	48.225	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.460%	
50) Toluene-d8	10.565	98	436570	50.944	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.880%	
62) 4-Bromofluorobenzene	12.847	95	125215	42.714	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 85.420%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.524	59	145	0.481	ug/l #	71
16) Acetone	4.424	43	34492	40.523	ug/l	99
18) Methyl Acetate	5.036	43	2717	1.050	ug/l #	84
20) Methylene Chloride	5.283	84	3629	1.722	ug/l #	79
25) 2-Butanone	7.489	43	3792	3.027	ug/l	95
30) Chloroform	7.971	83	1475	0.371	ug/l	84
31) Cyclohexane	8.224	56	4166	1.246	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15778	4.661	ug/l #	51
37) Ethyl Acetate	7.559	43	2804	0.821	ug/l #	79
38) Carbon Tetrachloride	8.218	117	18005	4.646	ug/l #	19
43) Isopropyl Acetate	8.688	43	138601	25.316	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	1472	0.567	ug/l #	43
48) Methyl methacrylate	9.741	41	105894	42.979	ug/l #	46
49) 1,4-Dioxane	9.753	88	108	2.603	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	9438	2.971	ug/l #	82
54) cis-1,3-Dichloropropene	10.353	75	39536	10.255	ug/l #	68
56) Ethyl methacrylate	10.982	69	2088	2.442	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5727	1.412	ug/l #	43
59) 2-Hexanone	11.200	43	60491	27.060	ug/l #	62
71) Bromoform	12.841	173	1100	0.587	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	68388	30.657	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68388	82.946	ug/l #	3

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

Quant Time: Feb 04 01:00:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
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QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

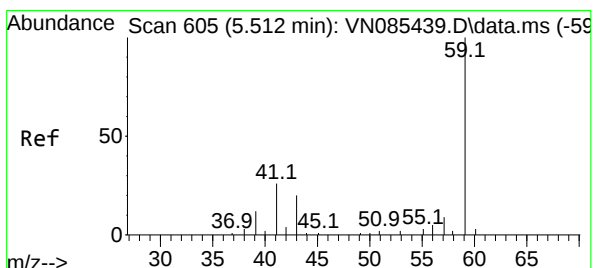
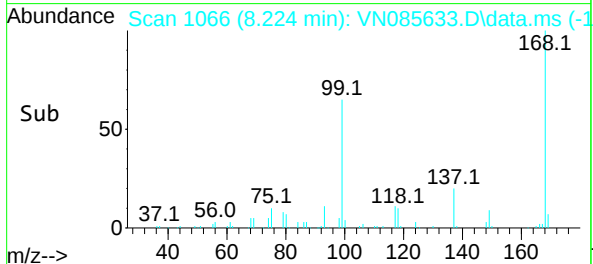
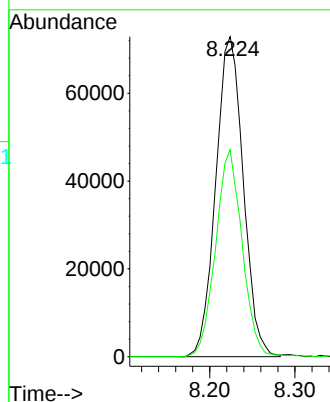
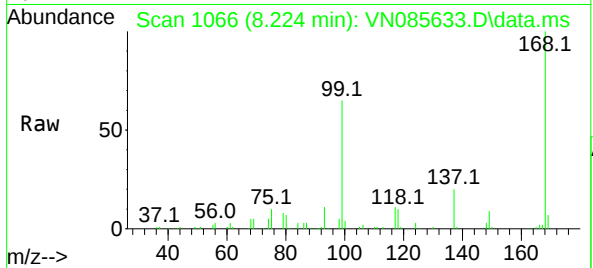




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

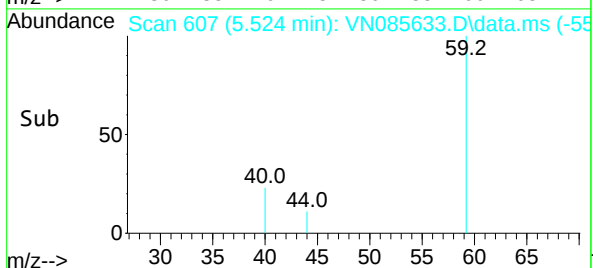
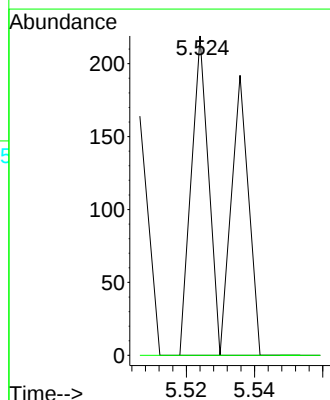
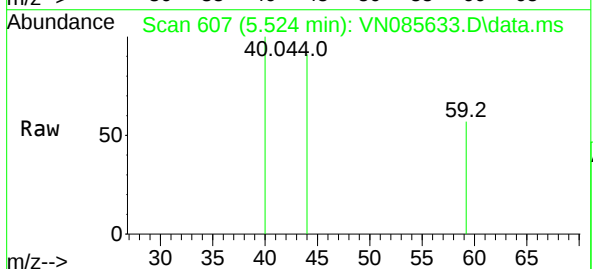
Instrument :
MSVOA_N
ClientSampleId :

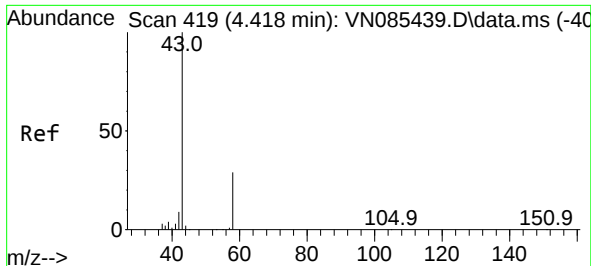
Tgt Ion:168 Resp: 163195
Ion Ratio Lower Upper
168 100
99 64.7 53.6 80.4



#11
Tert butyl alcohol
Concen: 0.481 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

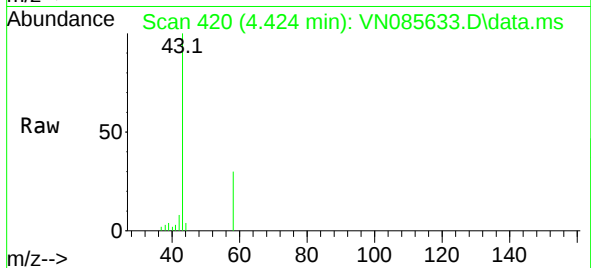
Tgt Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



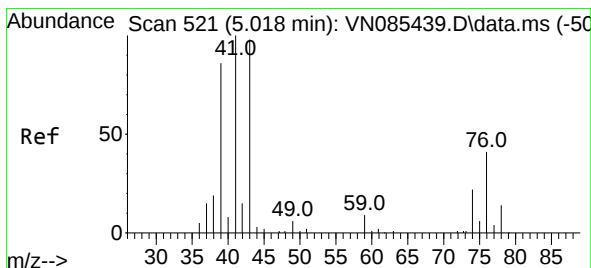
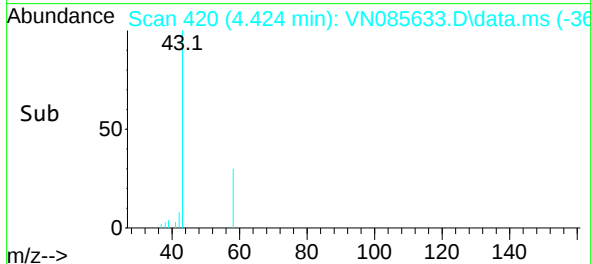
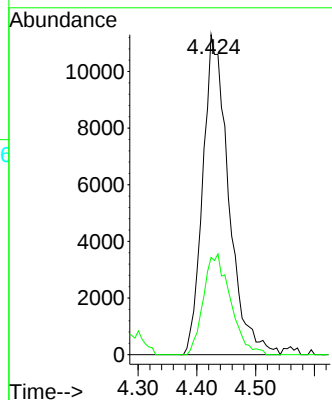


#16
Acetone
Concen: 40.523 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

Instrument :
MSVOA_N
ClientSampleId :

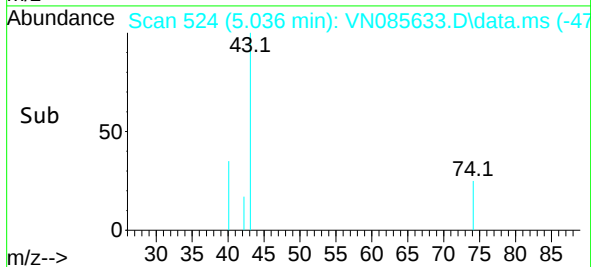
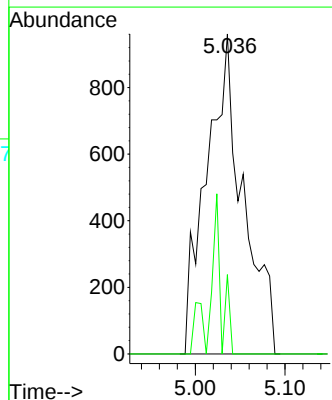
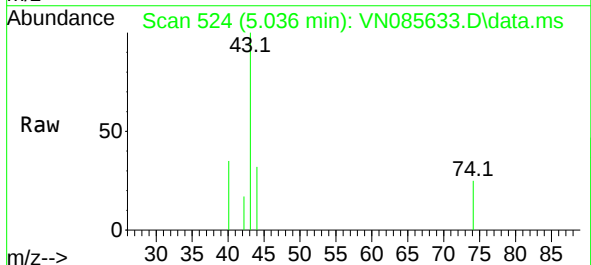


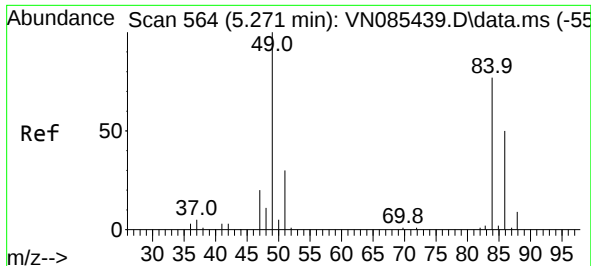
Tgt Ion: 43 Resp: 34492
Ion Ratio Lower Upper
43 100
58 30.4 23.8 35.6



#18
Methyl Acetate
Concen: 1.050 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

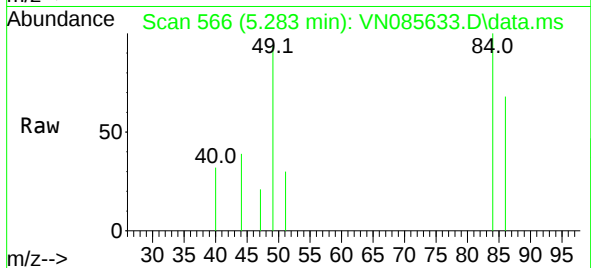
Tgt Ion: 43 Resp: 2717
Ion Ratio Lower Upper
43 100
74 15.7 18.6 28.0#





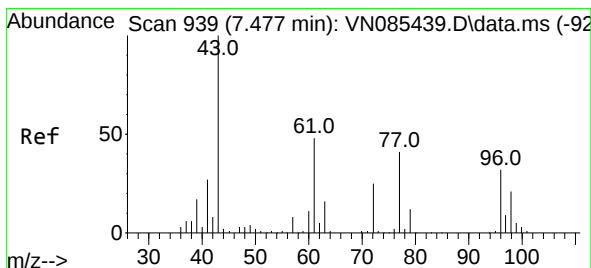
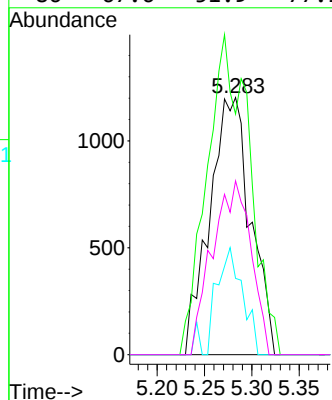
#20
Methylene Chloride
Concen: 1.722 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 3629

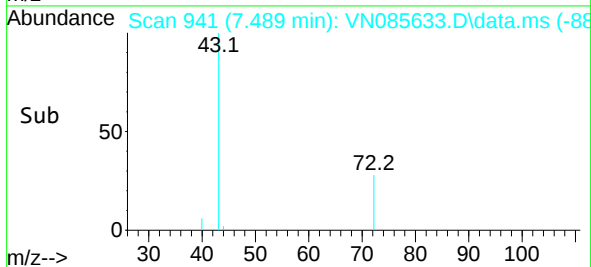
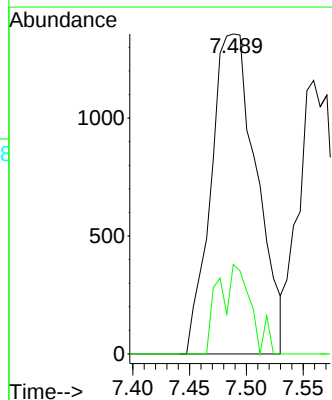
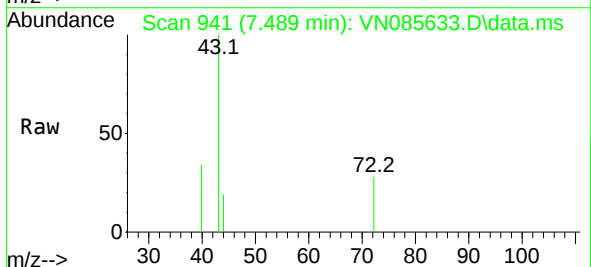
Ion	Ratio	Lower	Upper
84	100		
49	93.6	104.1	156.1#
51	29.7	31.0	46.4#
86	67.6	51.9	77.9

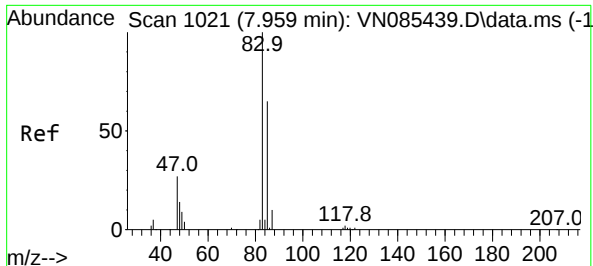


#25
2-Butanone
Concen: 3.027 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

Tgt Ion: 43 Resp: 3792

Ion	Ratio	Lower	Upper
43	100		
72	28.0	20.2	30.4





#30

Chloroform

Concen: 0.371 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.012 min

Lab File: VN085633.D

Acq: 03 Feb 2025 19:37

Instrument :

MSVOA_N

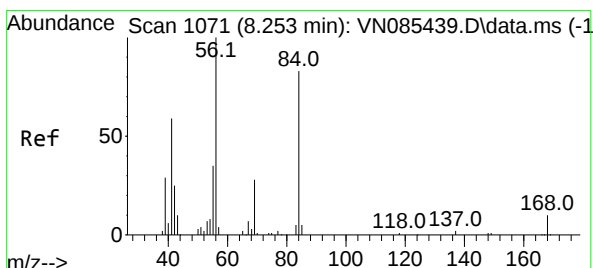
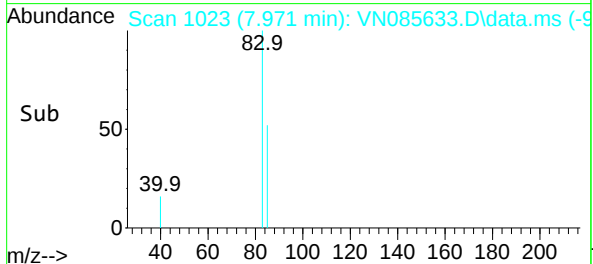
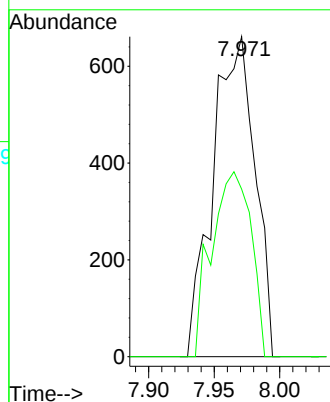
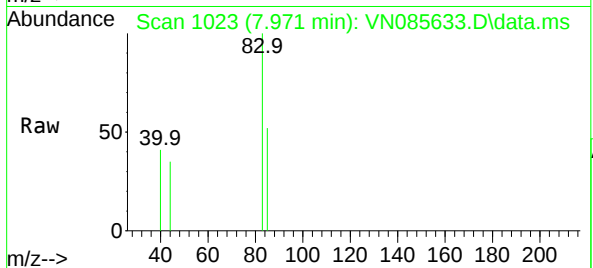
ClientSampleId :

Tgt Ion: 83 Resp: 1475

Ion Ratio Lower Upper

83 100

85 52.3 51.8 77.6



#31

Cyclohexane

Concen: 1.246 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN085633.D

Acq: 03 Feb 2025 19:37

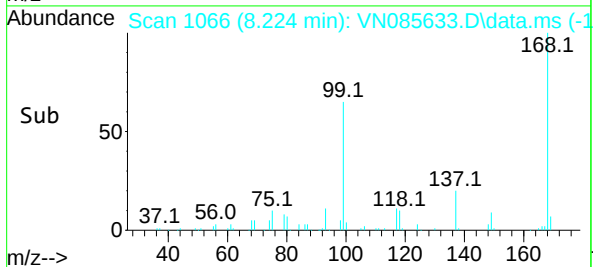
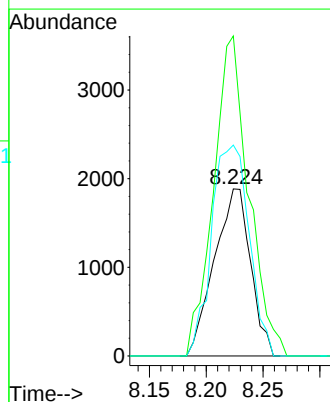
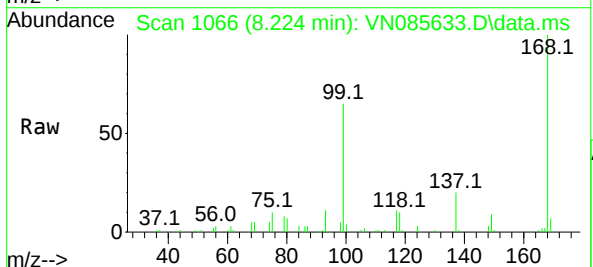
Tgt Ion: 56 Resp: 4166

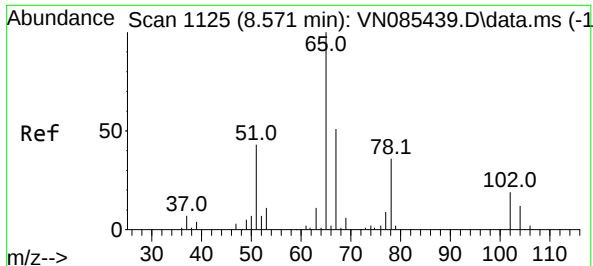
Ion Ratio Lower Upper

56 100

69 191.5 22.2 33.4#

84 126.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 53.120 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085633.D

Acq: 03 Feb 2025 19:37

Instrument :

MSVOA_N

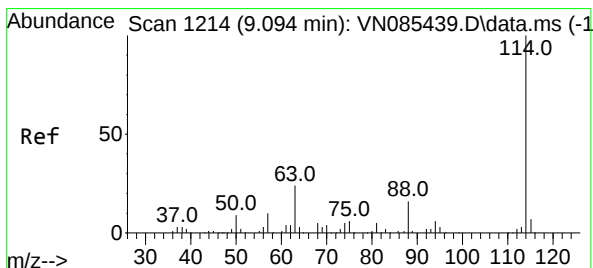
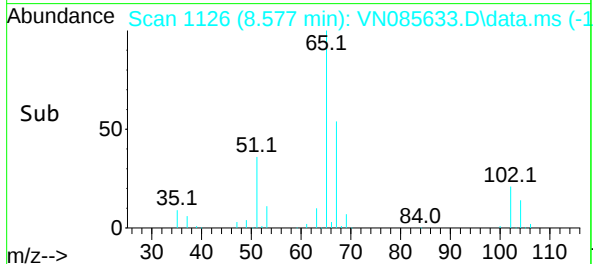
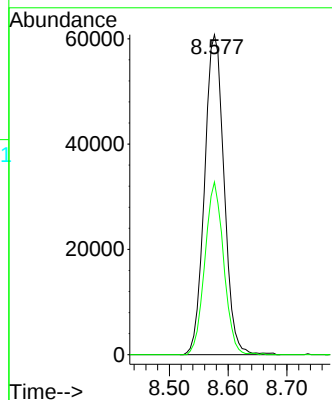
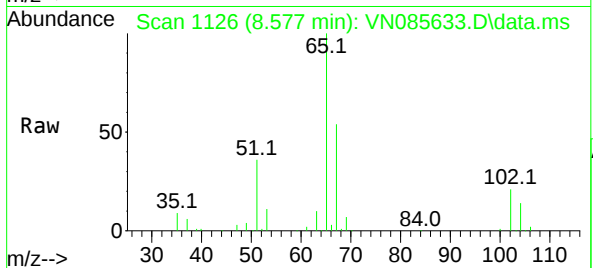
ClientSampleId :

Tgt Ion: 65 Resp: 139935

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085633.D

Acq: 03 Feb 2025 19:37

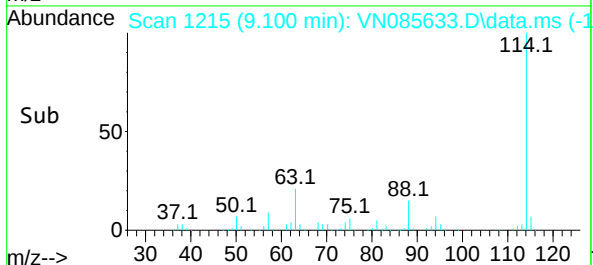
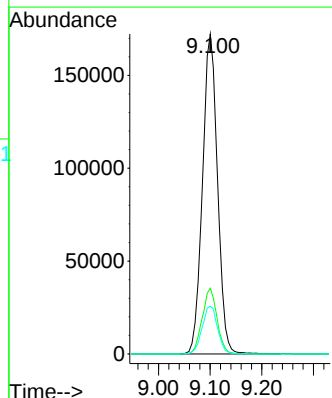
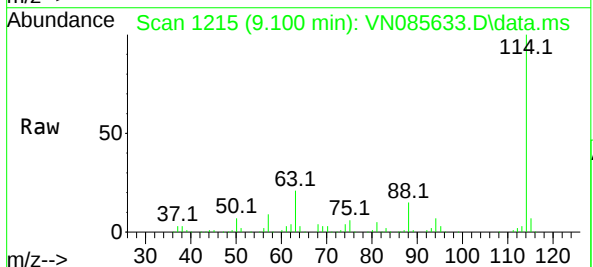
Tgt Ion: 114 Resp: 347669

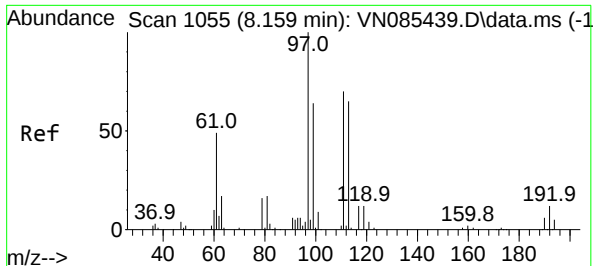
Ion Ratio Lower Upper

114 100

63 20.5 0.0 47.6

88 14.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.225 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

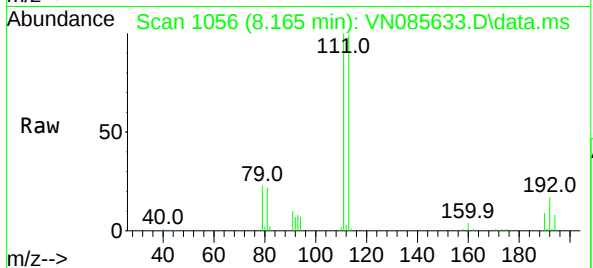
Lab File: VN085633.D

Acq: 03 Feb 2025 19:37

Instrument :

MSVOA_N

ClientSampleId :



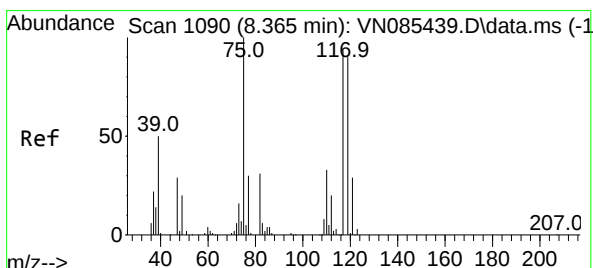
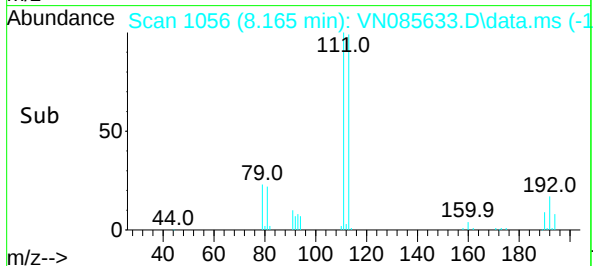
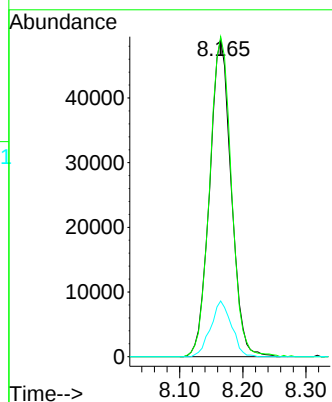
Tgt Ion:113 Resp: 116318

Ion Ratio Lower Upper

113 100

111 101.5 82.7 124.1

192 17.0 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.661 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085633.D

Acq: 03 Feb 2025 19:37

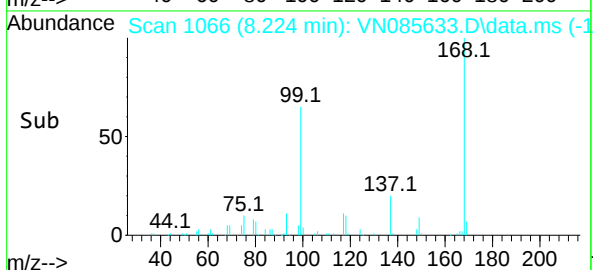
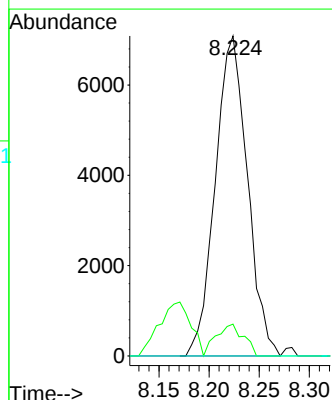
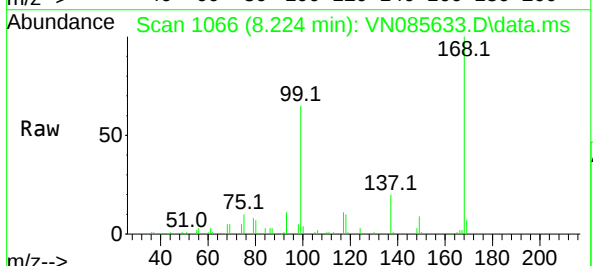
Tgt Ion: 75 Resp: 15778

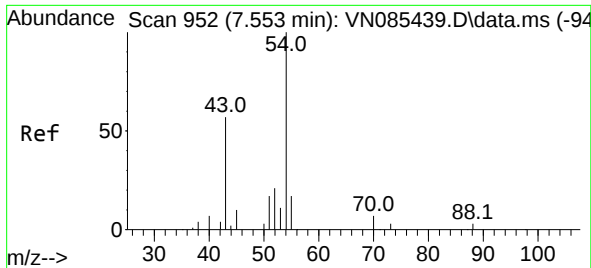
Ion Ratio Lower Upper

75 100

110 8.5 16.5 49.5#

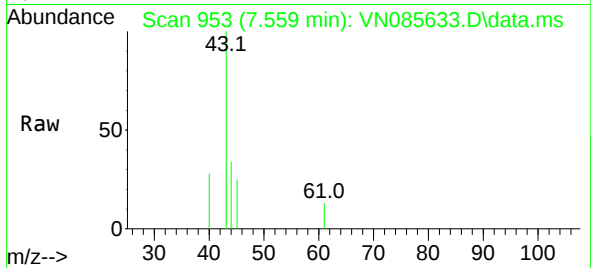
77 0.0 24.4 36.6#



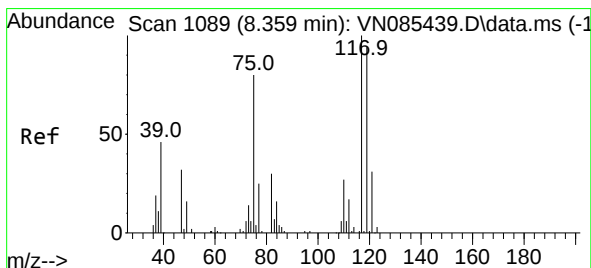
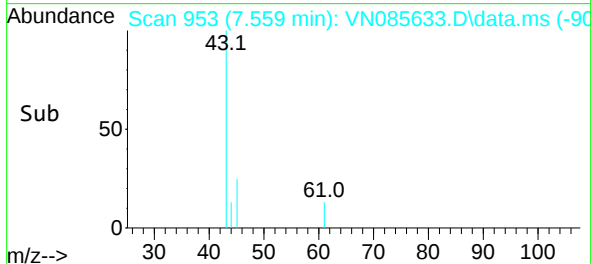
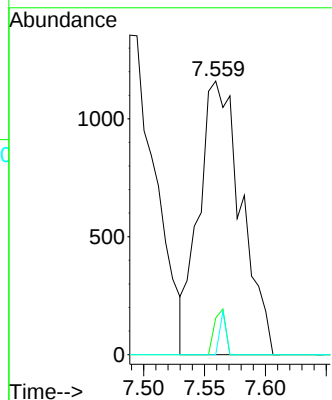


#37
Ethyl Acetate
Concen: 0.821 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

Instrument :
MSVOA_N
ClientSampleId :

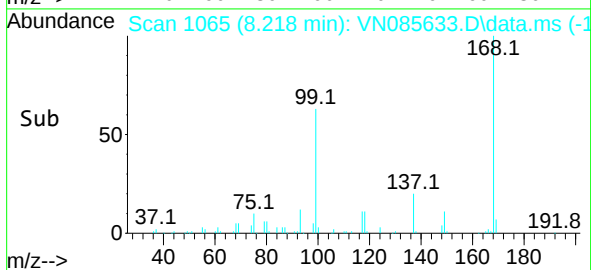
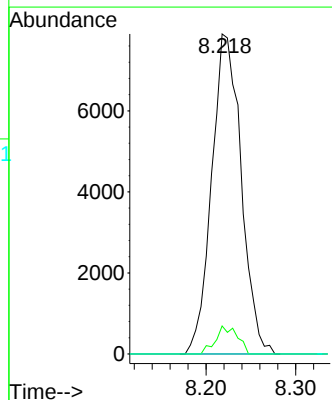
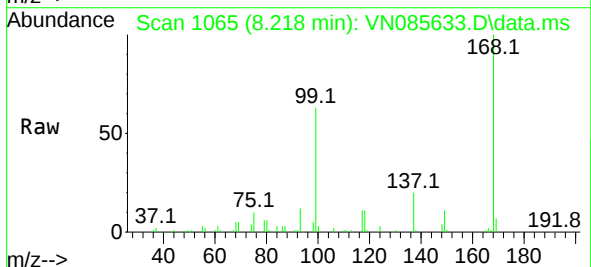


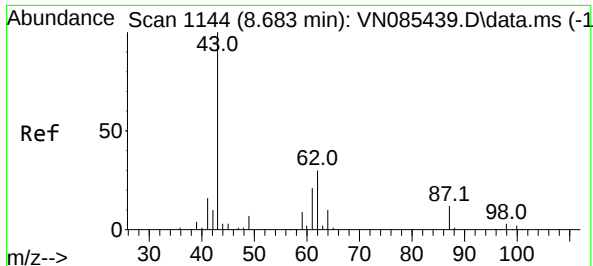
Tgt Ion: 43 Resp: 2804
Ion Ratio Lower Upper
43 100
61 4.4 10.9 16.3#
70 2.3 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 4.646 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

Tgt Ion: 117 Resp: 18005
Ion Ratio Lower Upper
117 100
119 8.7 75.4 113.2#
121 0.0 24.6 37.0#

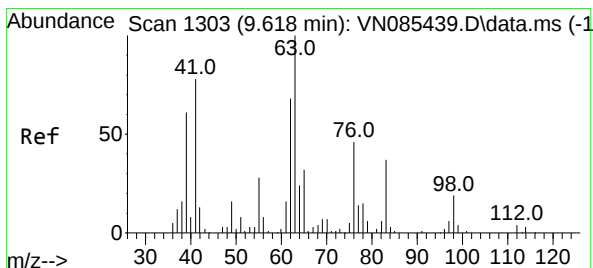
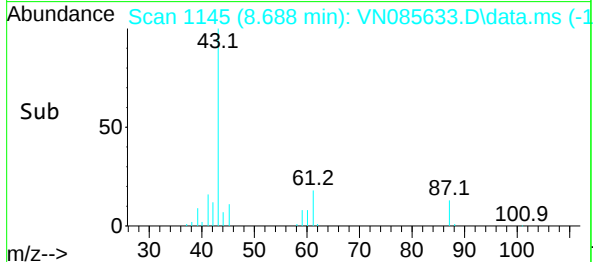
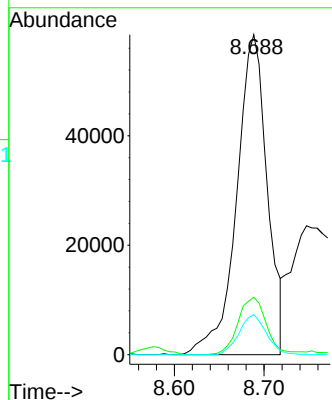
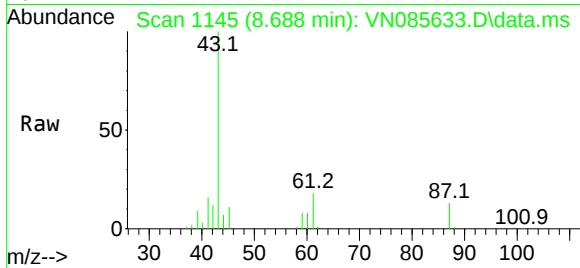




#43
Isopropyl Acetate
Concen: 25.316 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

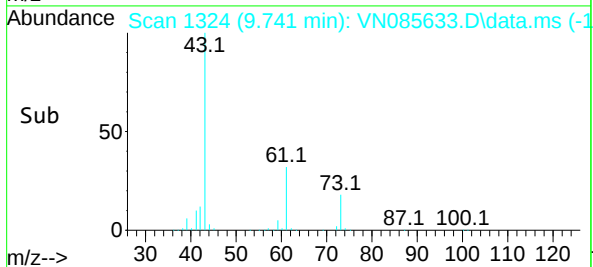
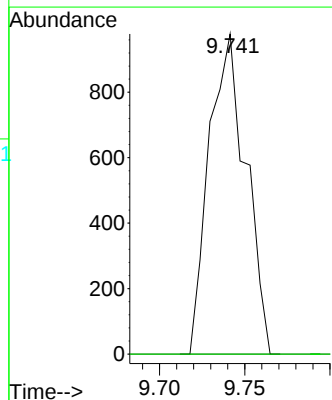
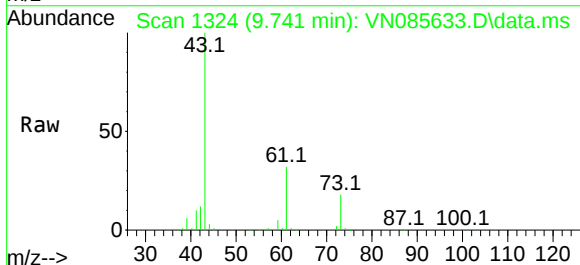
Instrument :
MSVOA_N
ClientSampleId :

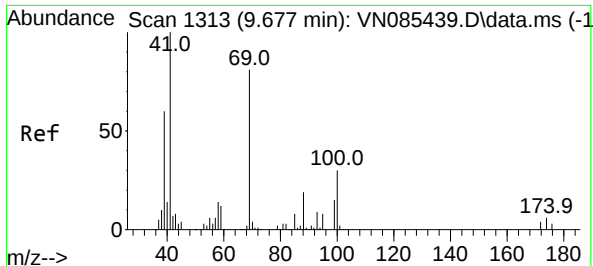
Tgt Ion: 43 Resp: 138601
Ion Ratio Lower Upper
43 100
61 16.7 20.7 31.1#
87 11.1 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.567 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

Tgt Ion: 63 Resp: 1472
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 42.979 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN085633.D

Acq: 03 Feb 2025 19:37

Instrument :

MSVOA_N

ClientSampleId :

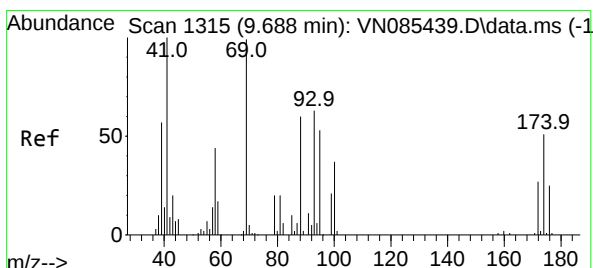
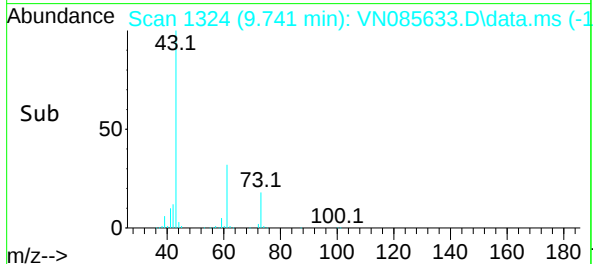
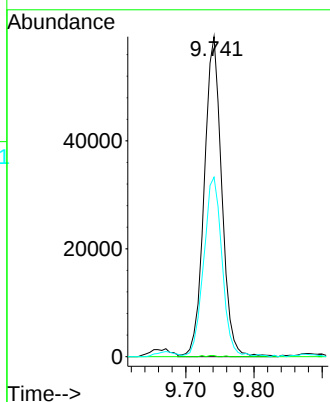
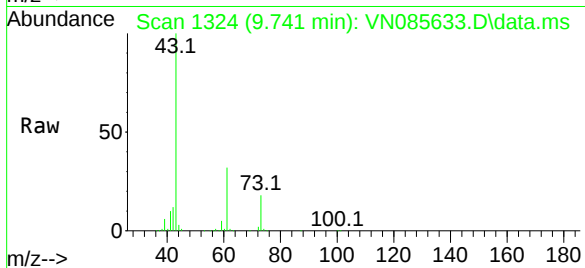
Tgt Ion: 41 Resp: 105894

Ion Ratio Lower Upper

41 100

69 0.2 64.7 97.1#

39 57.9 49.0 73.6



#49

1,4-Dioxane

Concen: 2.603 ug/l

RT: 9.753 min Scan# 1326

Delta R.T. 0.065 min

Lab File: VN085633.D

Acq: 03 Feb 2025 19:37

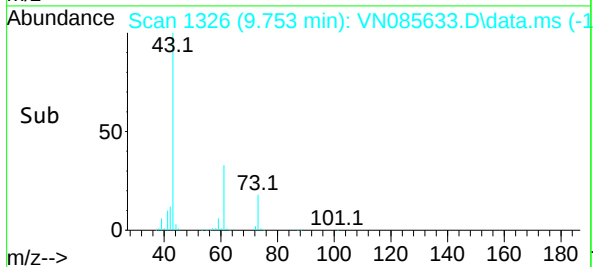
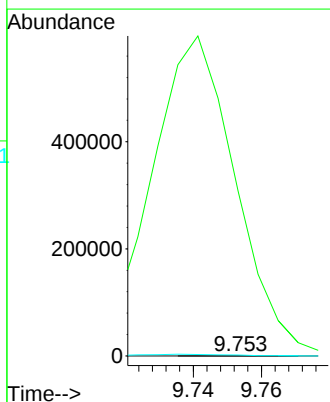
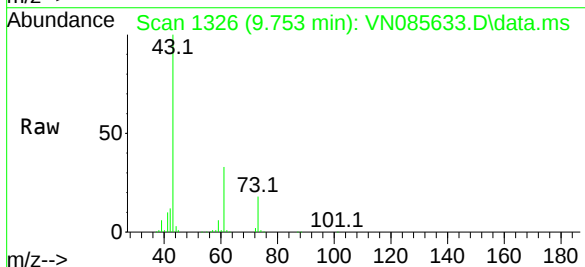
Tgt Ion: 88 Resp: 108

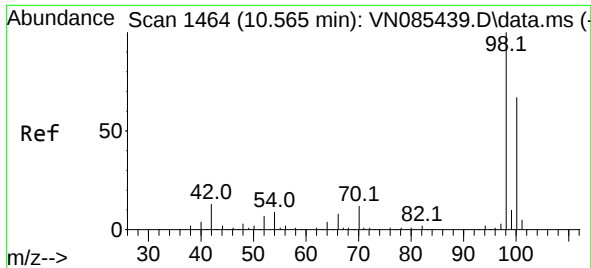
Ion Ratio Lower Upper

88 100

43 964734.3 26.6 39.8#

58 5898.1 59.5 89.3#

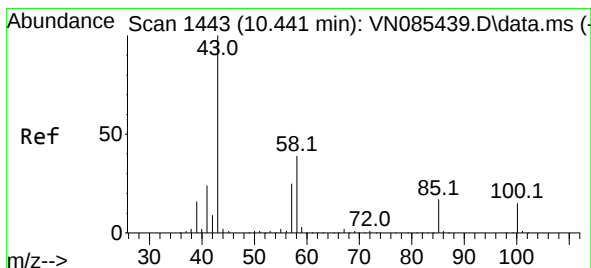
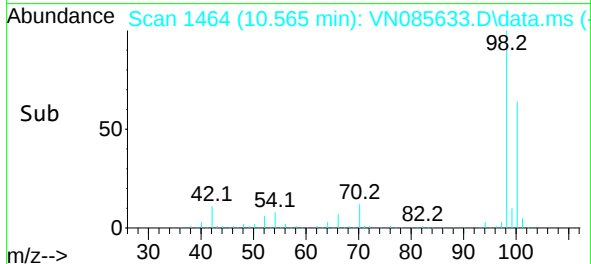
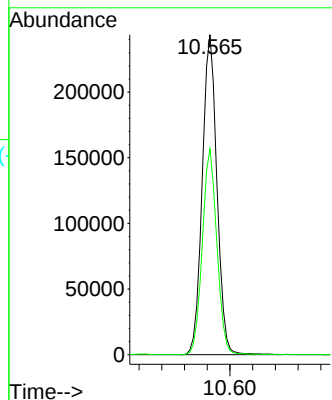
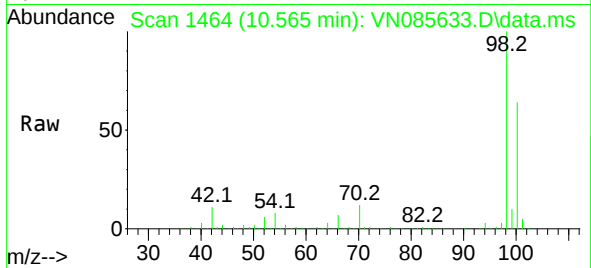




#50
Toluene-d8
Concen: 50.944 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

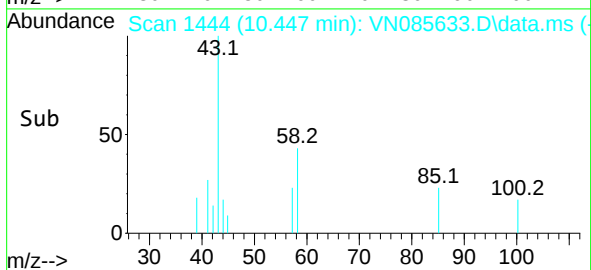
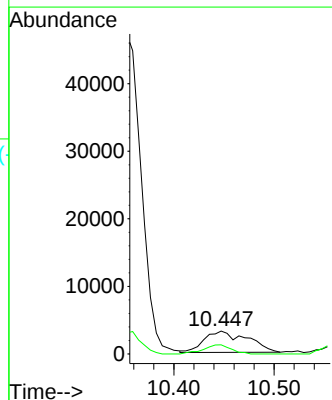
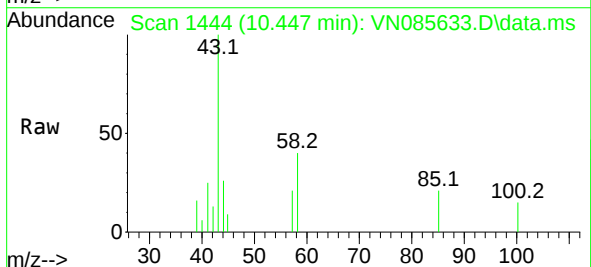
Instrument :
MSVOA_N
ClientSampleId :

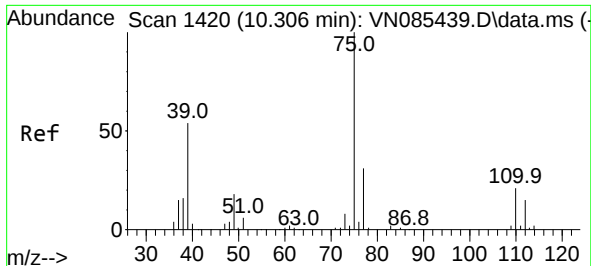
Tgt Ion: 98 Resp: 436570
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 2.971 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

Tgt Ion: 43 Resp: 9438
Ion Ratio Lower Upper
43 100
58 27.5 30.5 45.7#

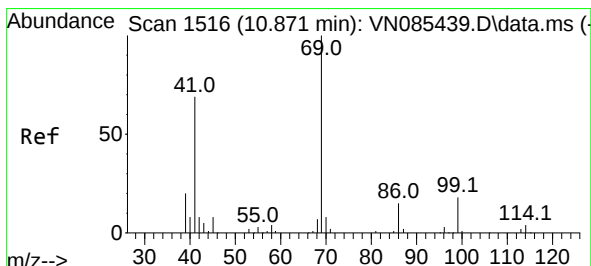
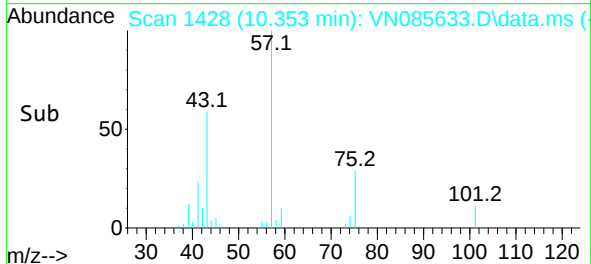
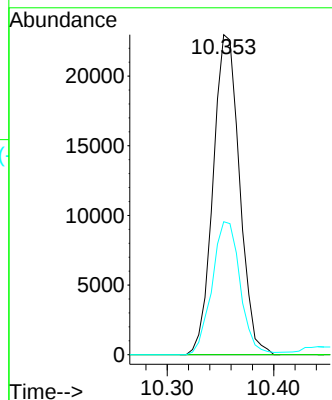
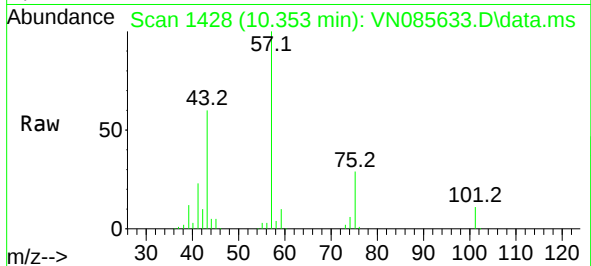




#54
cis-1,3-Dichloropropene
Concen: 10.255 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

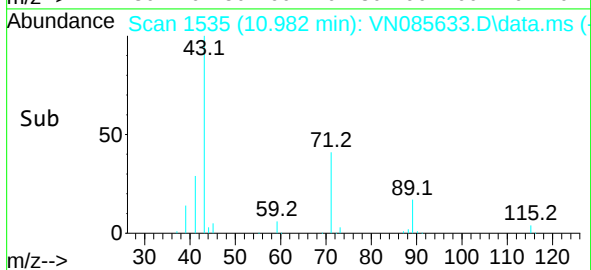
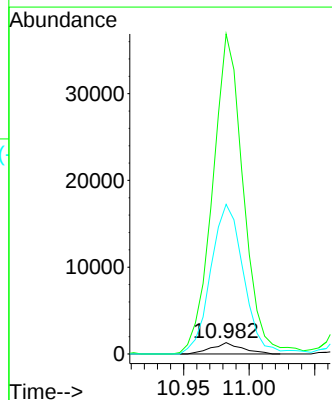
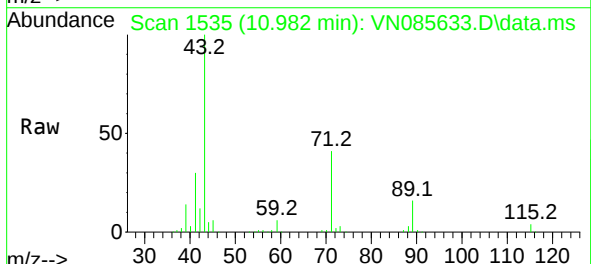
Instrument :
MSVOA_N
ClientSampleId :

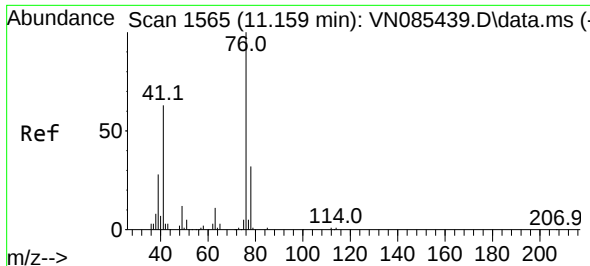
Tgt Ion: 75 Resp: 39536
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 41.6 43.1 64.7#



#56
Ethyl methacrylate
Concen: 2.442 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

Tgt Ion: 69 Resp: 2088
Ion Ratio Lower Upper
69 100
41 2880.3 54.6 82.0#
39 1448.3 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.412 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085633.D

Acq: 03 Feb 2025 19:37

Instrument :

MSVOA_N

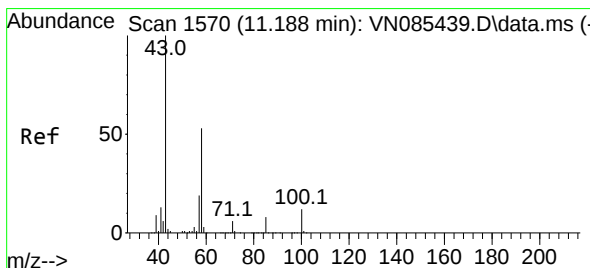
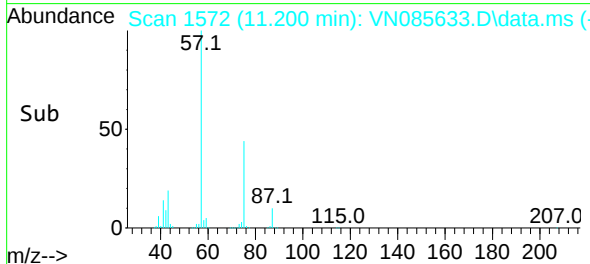
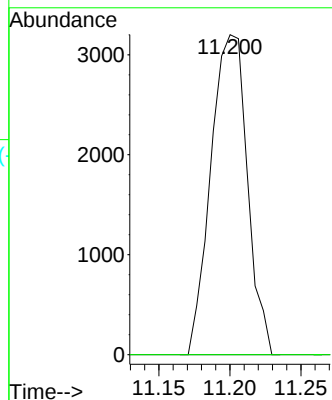
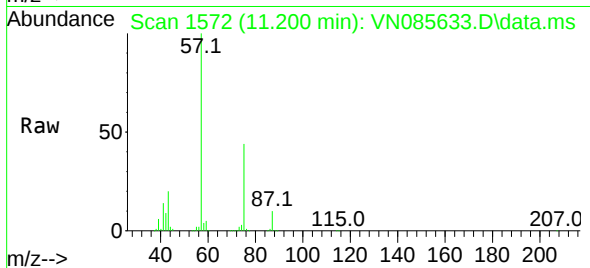
ClientSampleId :

Tgt Ion: 76 Resp: 5727

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 27.060 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085633.D

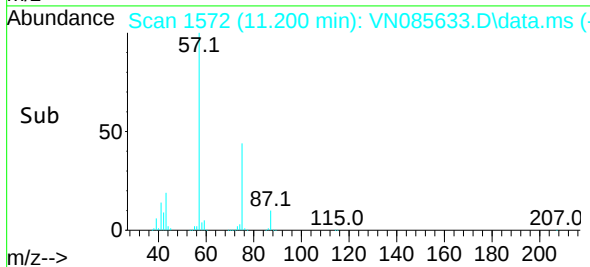
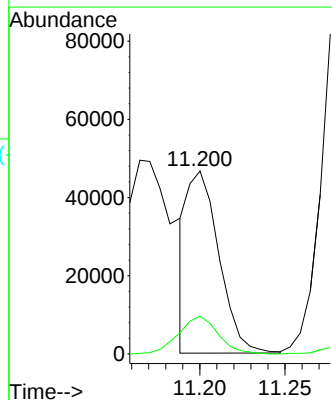
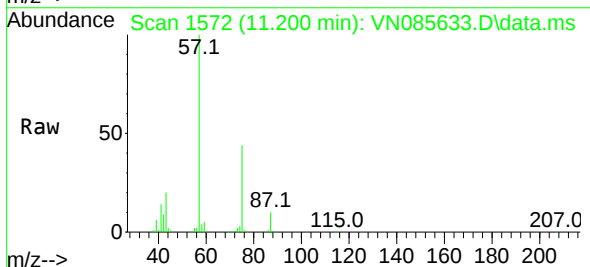
Acq: 03 Feb 2025 19:37

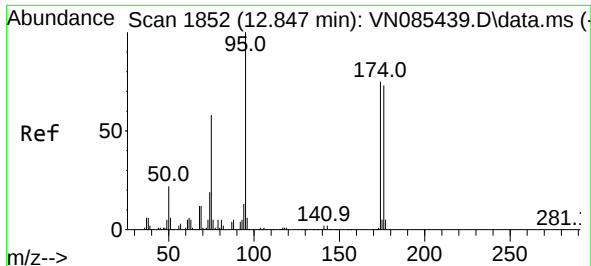
Tgt Ion: 43 Resp: 60491

Ion Ratio Lower Upper

43 100

58 25.7 26.2 78.6#

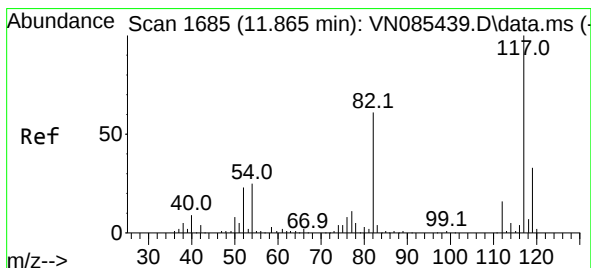
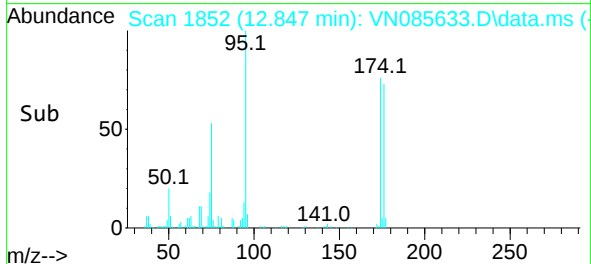
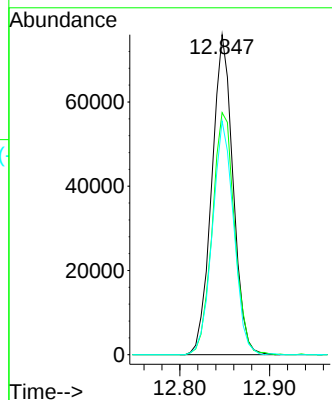
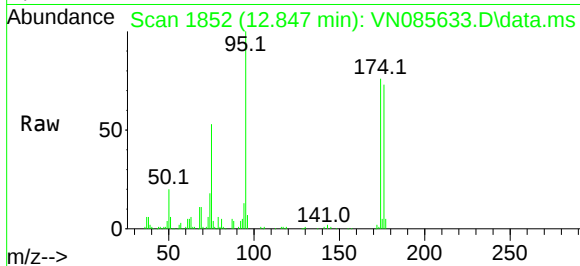




#62
4-Bromofluorobenzene
Concen: 42.714 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

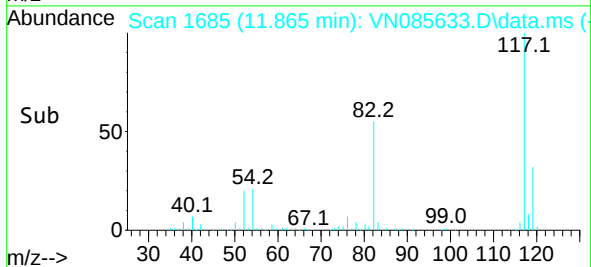
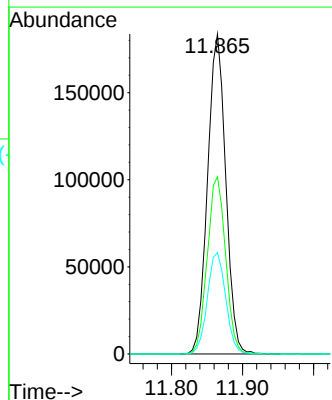
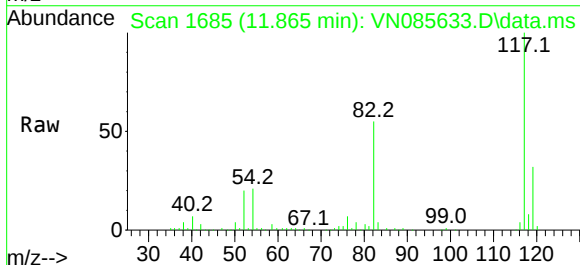
Instrument :
MSVOA_N
ClientSampleId :

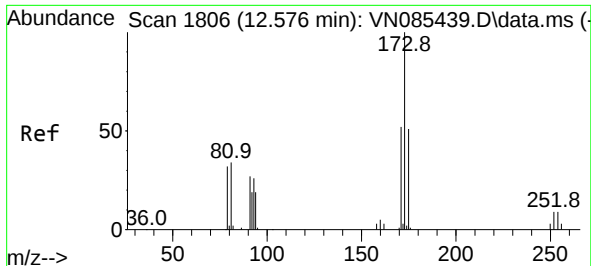
Tgt Ion: 95 Resp: 125215
Ion Ratio Lower Upper
95 100
174 78.9 0.0 145.0
176 72.9 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

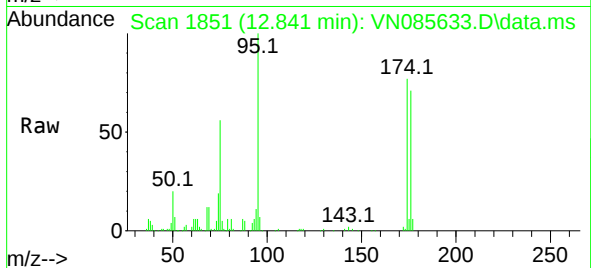
Tgt Ion: 117 Resp: 325913
Ion Ratio Lower Upper
117 100
82 55.4 48.6 72.8
119 31.7 26.6 39.8



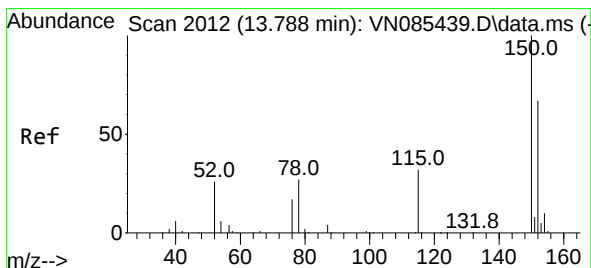
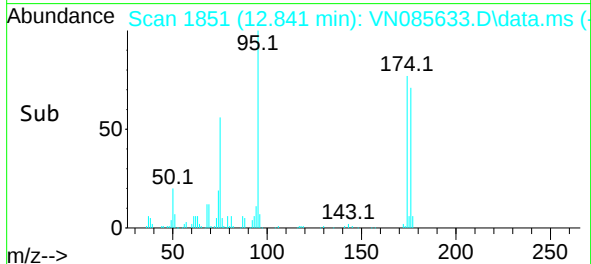
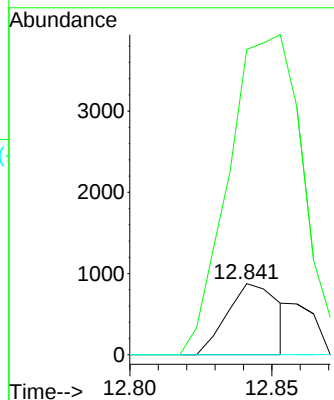


#71
Bromoform
Concen: 0.587 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

Instrument :
MSVOA_N
ClientSampleId :

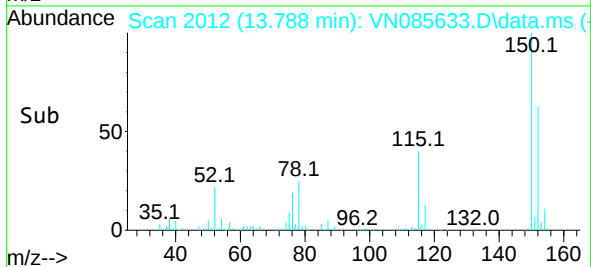
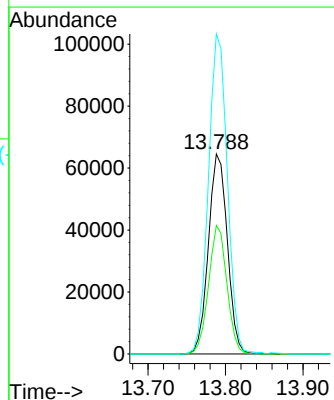
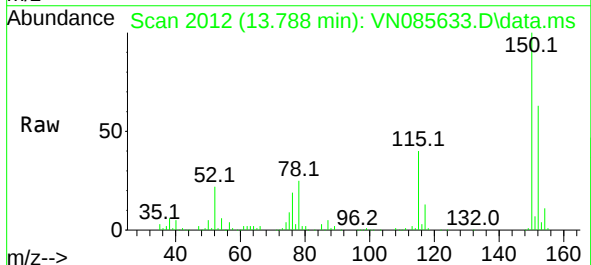


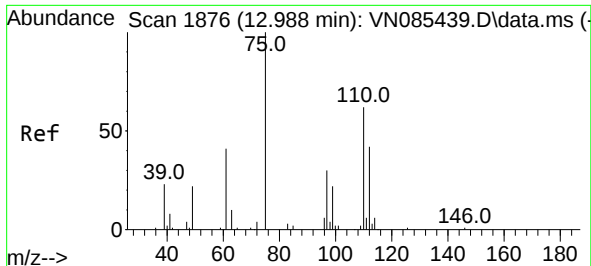
Tgt Ion:173 Resp: 1100
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

Tgt Ion:152 Resp: 109751
Ion Ratio Lower Upper
152 100
115 62.1 31.1 93.3
150 159.6 0.0 343.6

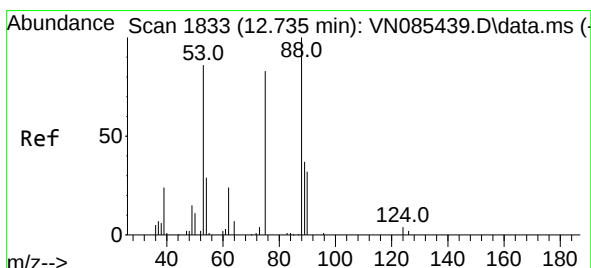
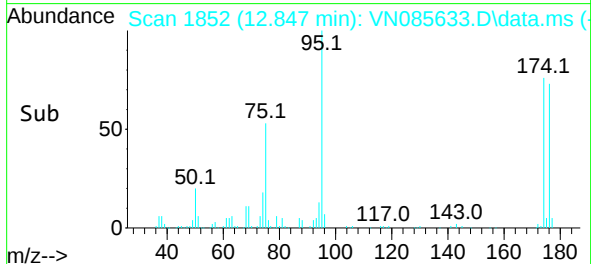
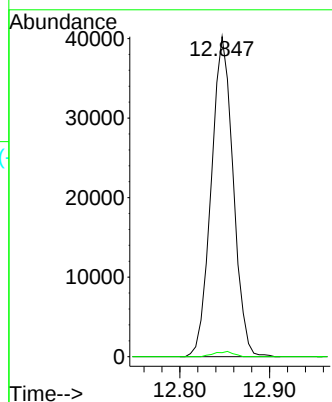
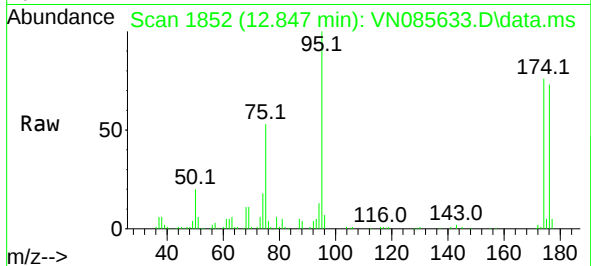




#76
1,2,3-Trichloropropane
Concen: 30.657 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 68388
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.946 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085633.D
Acq: 03 Feb 2025 19:37

Tgt Ion: 75 Resp: 68388
Ion Ratio Lower Upper
75 100
53 0.2 95.6 143.4#
89 0.0 37.0 55.6#

