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 Data File : VN085631.D
 Acq On : 03 Feb 2025 18:49
 Operator : JC\MD
 Sample : PB166424ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

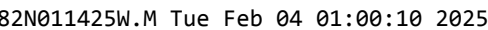
Instrument :
 MSVOA_N
 ClientSampleId :

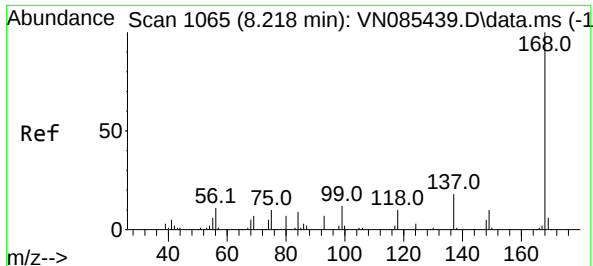
Quant Time: Feb 04 01:00:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	161819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	344146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	323199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145564	55.727	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 111.460%		
35) Dibromofluoromethane	8.165	113	120254	50.368	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.740%		
50) Toluene-d8	10.565	98	448792	52.906	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 105.820%		
62) 4-Bromofluorobenzene	12.847	95	120975	41.690	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 83.380%		
Target Compounds						Qvalue
5) Bromomethane	2.959	94	378	0.262	ug/l #	5
11) Tert butyl alcohol	5.506	59	63	0.211	ug/l #	71
16) Acetone	4.430	43	25626	30.363	ug/l	99
18) Methyl Acetate	5.024	43	1831	0.713	ug/l #	52
20) Methylene Chloride	5.283	84	2511	1.202	ug/l #	73
25) 2-Butanone	7.488	43	2846	2.291	ug/l #	88
29) Tetrahydrofuran	7.836	42	191	0.243	ug/l #	34
31) Cyclohexane	8.230	56	4131	1.246	ug/l #	25
36) 1,1-Dichloropropene	8.224	75	15251	4.551	ug/l #	51
37) Ethyl Acetate	7.565	43	3428	1.014	ug/l #	84
38) Carbon Tetrachloride	8.224	117	17615	4.592	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	832	0.219	ug/l #	76
43) Isopropyl Acetate	8.688	43	199559	36.823	ug/l #	82
48) Methyl methacrylate	9.741	41	135390	55.513	ug/l #	46
49) 1,4-Dioxane	9.747	88	195	4.748	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	10163	3.232	ug/l #	70
53) t-1,3-Dichloropropene	10.729	75	929	0.260	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	49413	12.948	ug/l #	65
56) Ethyl methacrylate	10.982	69	2484	2.545	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7645	1.904	ug/l #	43
59) 2-Hexanone	11.200	43	78451	35.453	ug/l #	61
74) N-amyl acetate	12.482	43	1213	0.351	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	65599	28.368	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65599	76.752	ug/l #	3

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

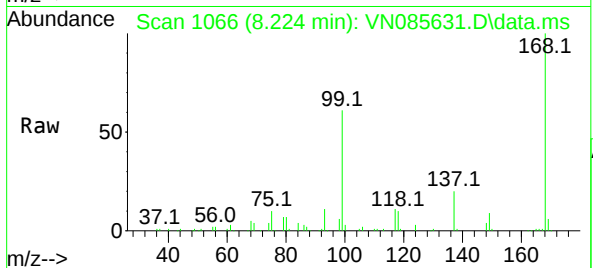
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



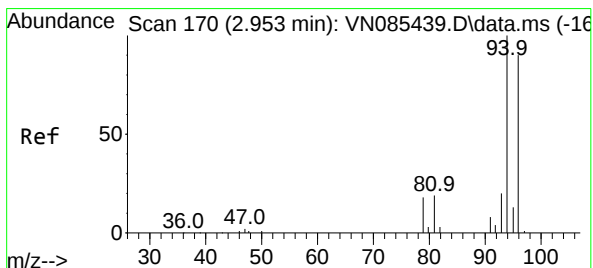
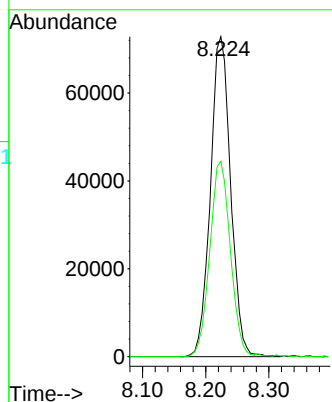
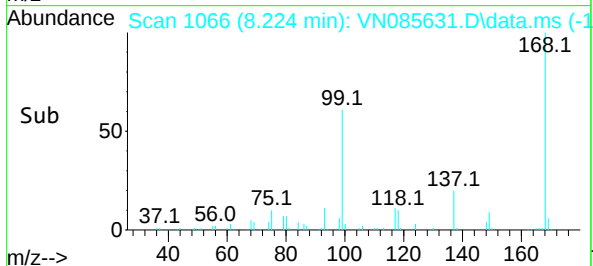


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

Instrument :
MSVOA_N
ClientSampleId :

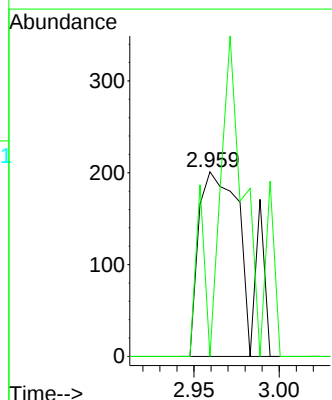
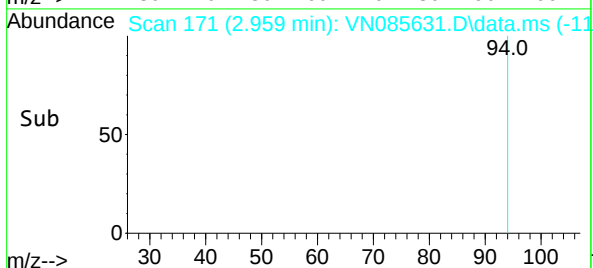
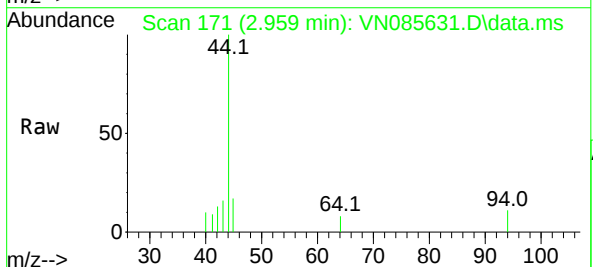


Tgt Ion:168 Resp: 161819
Ion Ratio Lower Upper
168 100
99 61.0 53.6 80.4



#5
Bromomethane
Concen: 0.262 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.006 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

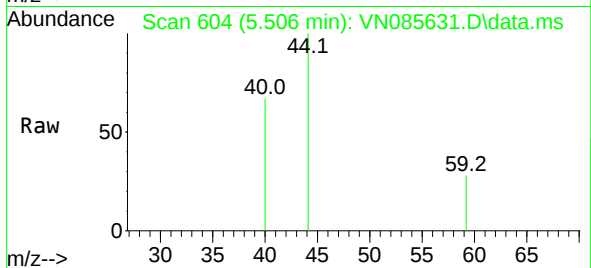
Tgt Ion: 94 Resp: 378
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#



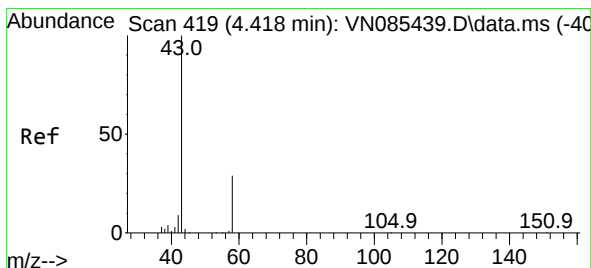
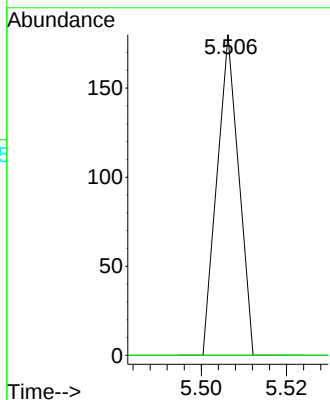
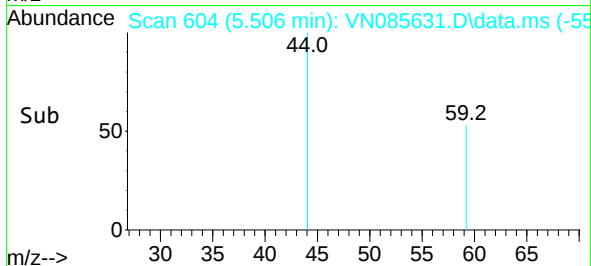


#11
Tert butyl alcohol
Concen: 0.211 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

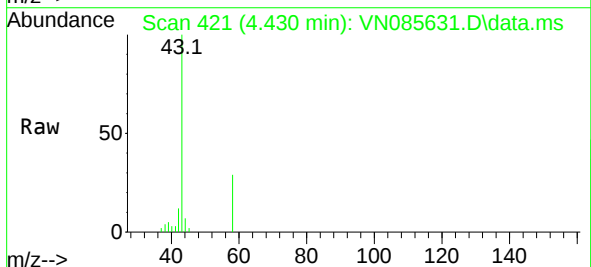
Instrument :
MSVOA_N
ClientSampleId :



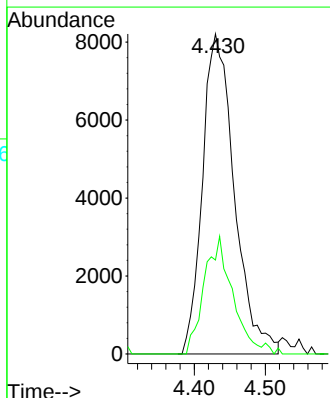
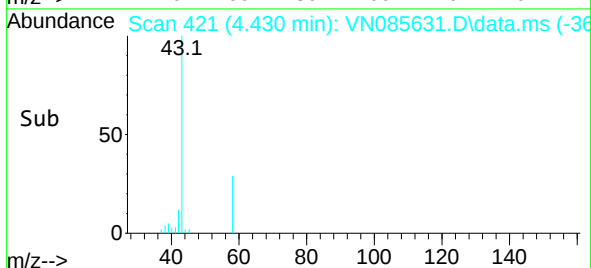
Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

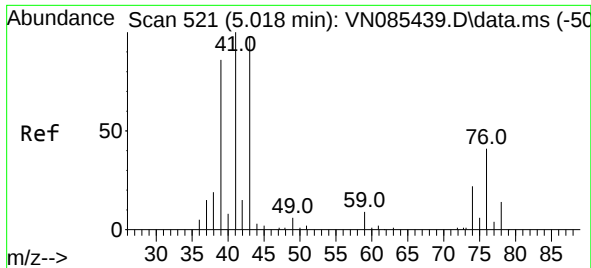


#16
Acetone
Concen: 30.363 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49



Tgt Ion: 43 Resp: 25626
Ion Ratio Lower Upper
43 100
58 29.4 23.8 35.6

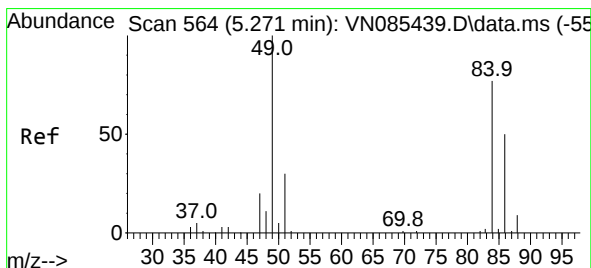
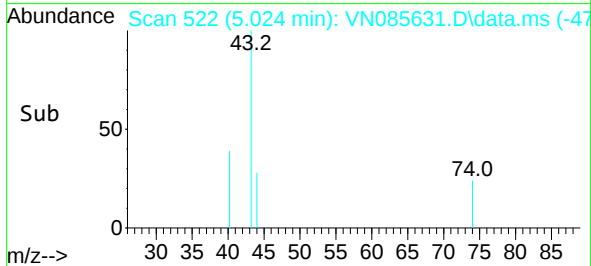
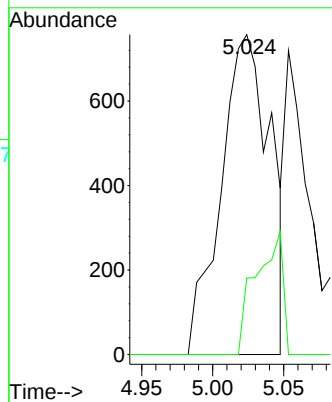
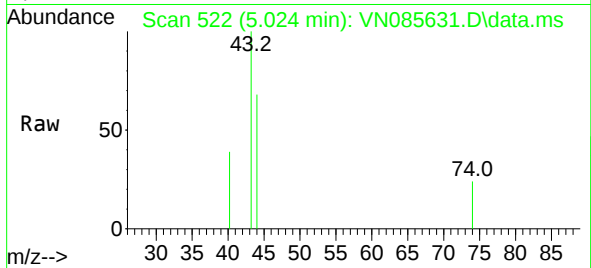




#18
Methyl Acetate
Concen: 0.713 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

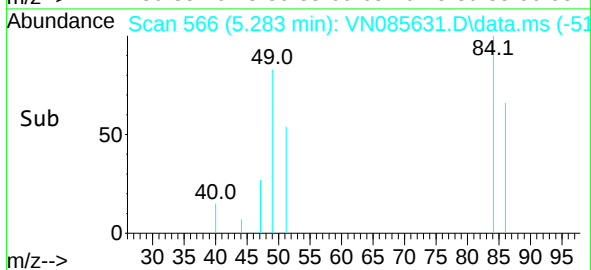
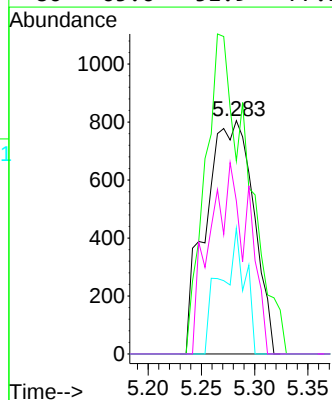
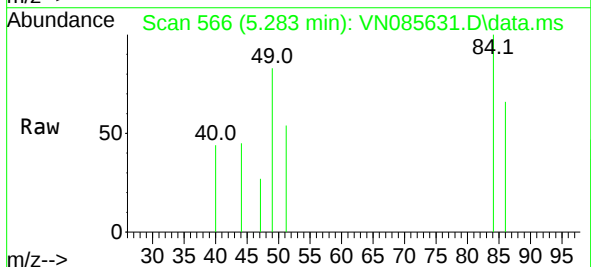
Instrument :
MSVOA_N
ClientSampleId :

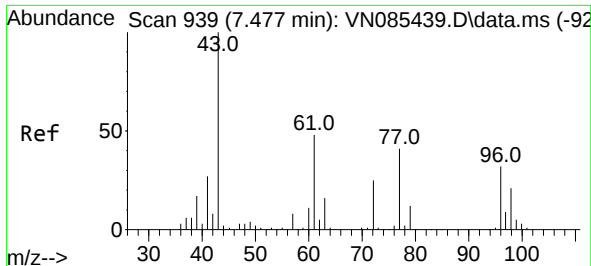
Tgt Ion: 43 Resp: 1831
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 1.202 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

Tgt Ion: 84 Resp: 2511
Ion Ratio Lower Upper
84 100
49 82.7 104.1 156.1#
51 53.9 31.0 46.4#
86 65.6 51.9 77.9





#25

2-Butanone

Concen: 2.291 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN085631.D

Acq: 03 Feb 2025 18:49

Instrument :

MSVOA_N

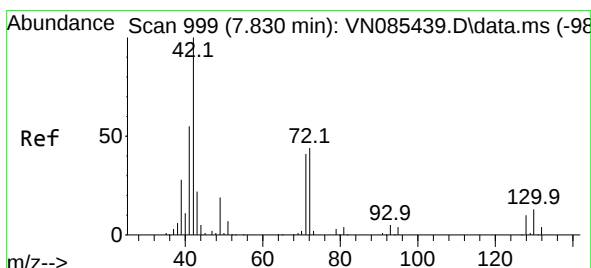
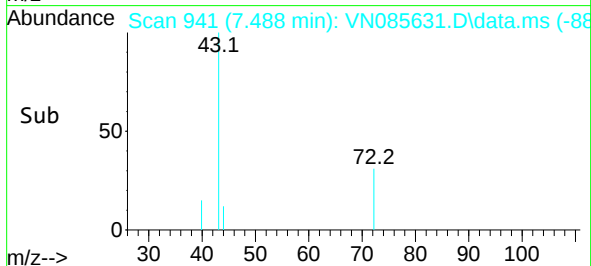
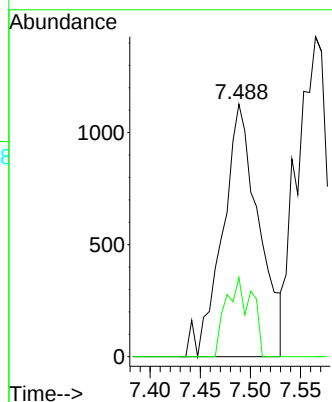
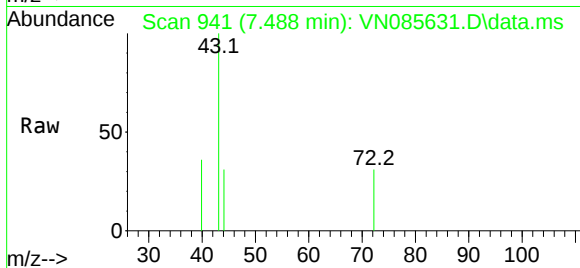
ClientSampleId :

Tgt Ion: 43 Resp: 2846

Ion Ratio Lower Upper

43 100

72 31.3 20.2 30.4#



#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085631.D

Acq: 03 Feb 2025 18:49

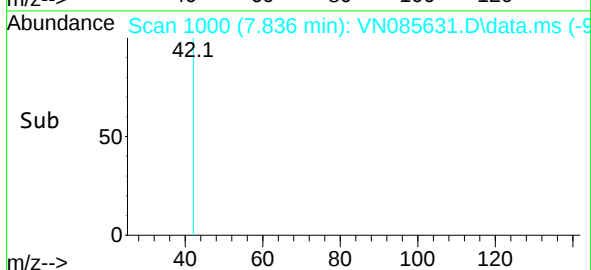
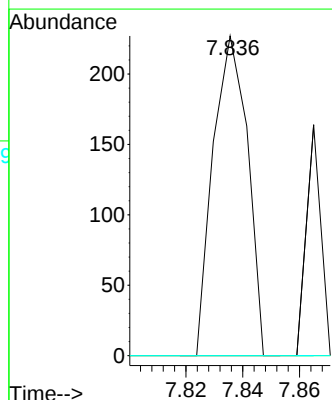
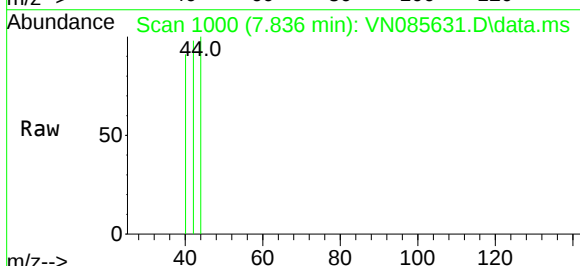
Tgt Ion: 42 Resp: 191

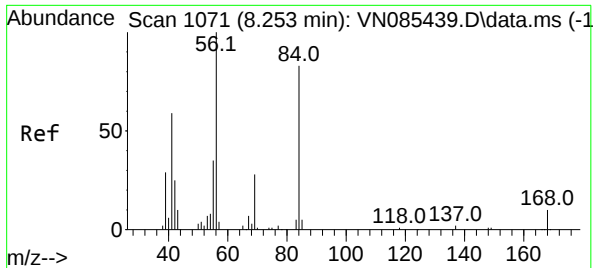
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

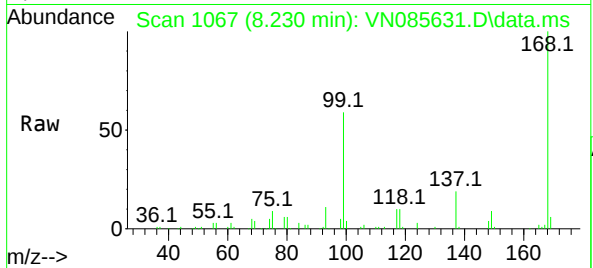
71 0.0 32.5 48.7#



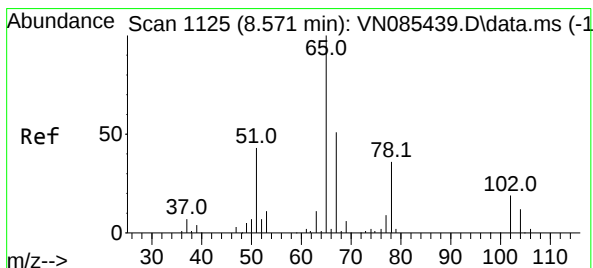
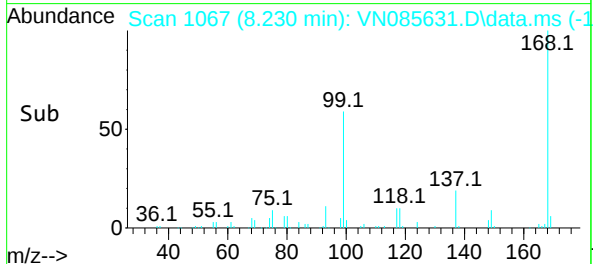
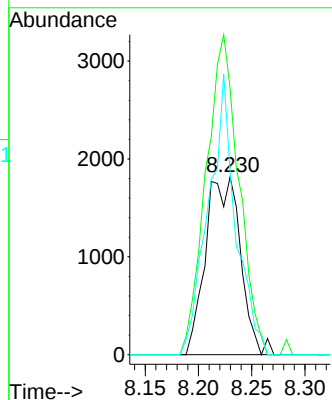


#31
Cyclohexane
Concen: 1.246 ug/l
RT: 8.230 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

Instrument :
MSVOA_N
ClientSampleId :

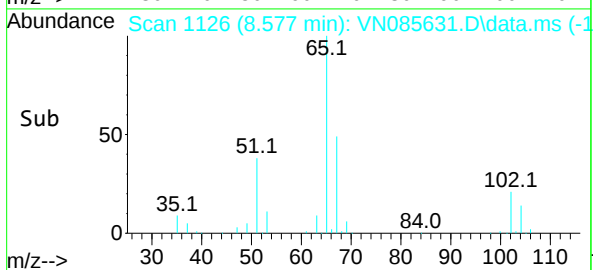
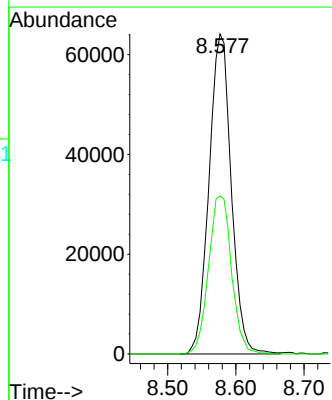
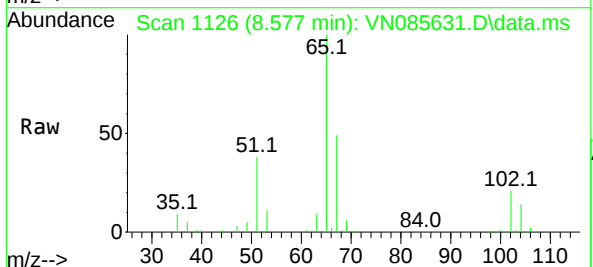


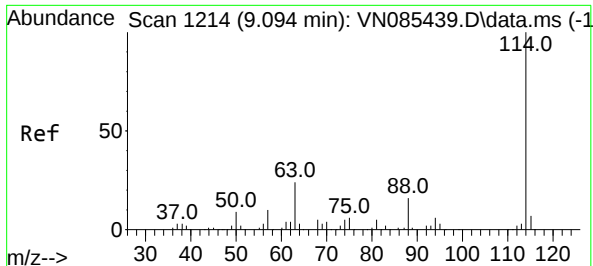
Tgt Ion: 56 Resp: 4131
Ion Ratio Lower Upper
56 100
69 149.7 22.2 33.4#
84 102.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.727 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

Tgt Ion: 65 Resp: 145564
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085631.D

Acq: 03 Feb 2025 18:49

Instrument :

MSVOA_N

ClientSampleId :

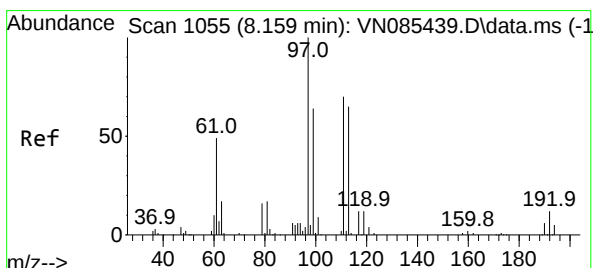
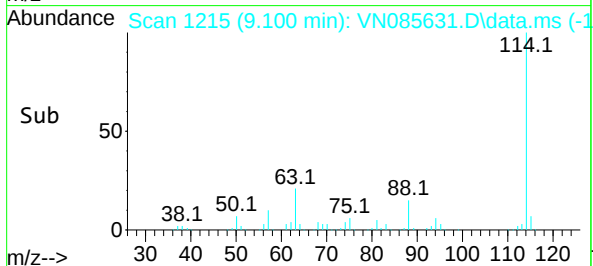
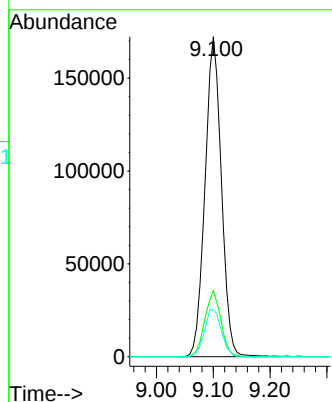
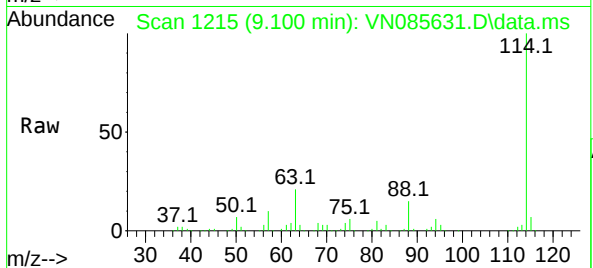
Tgt Ion:114 Resp: 344146

Ion Ratio Lower Upper

114 100

63 20.6 0.0 47.6

88 14.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.368 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085631.D

Acq: 03 Feb 2025 18:49

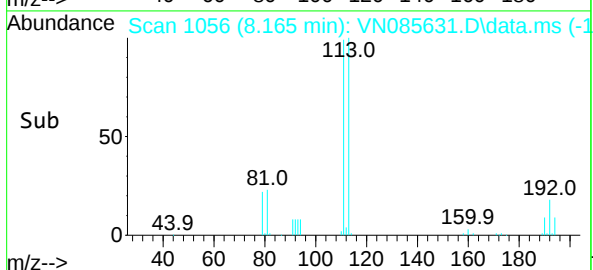
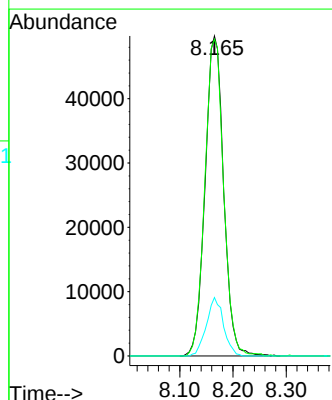
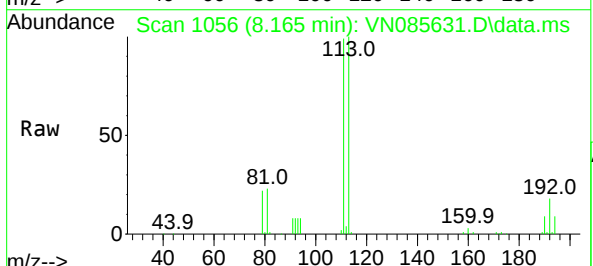
Tgt Ion:113 Resp: 120254

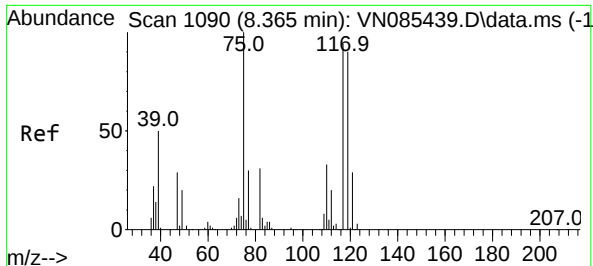
Ion Ratio Lower Upper

113 100

111 99.7 82.7 124.1

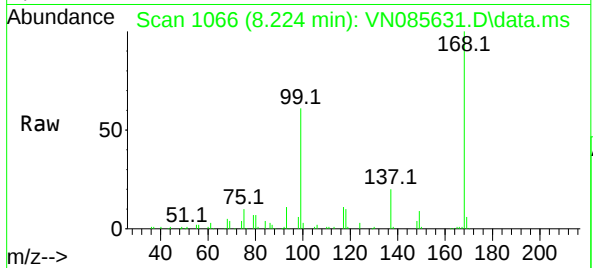
192 16.9 14.3 21.5



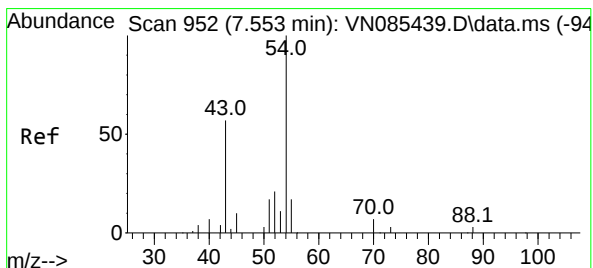
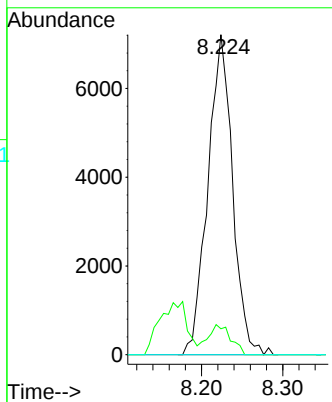
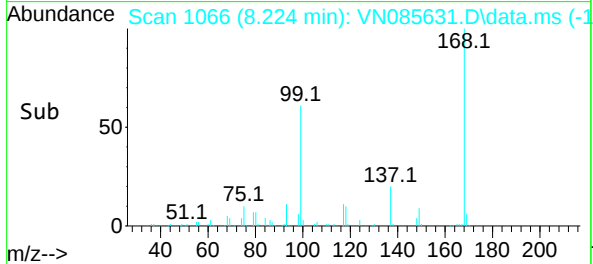


#36
1,1-Dichloropropene
Concen: 4.551 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

Instrument :
MSVOA_N
ClientSampleId :

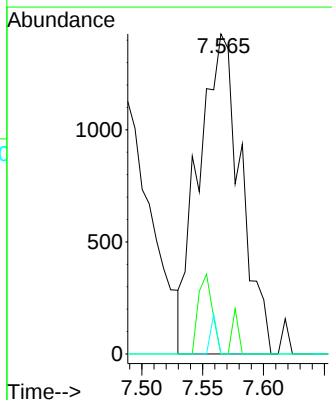
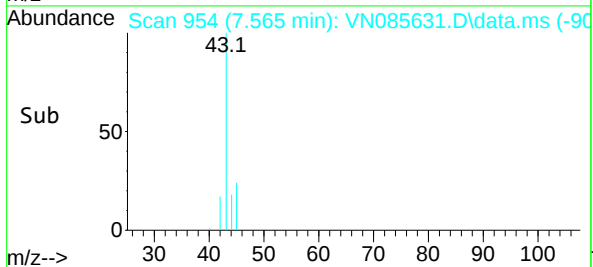
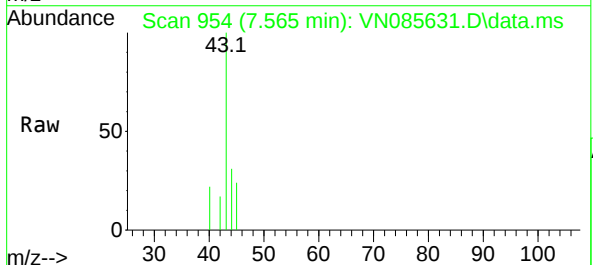


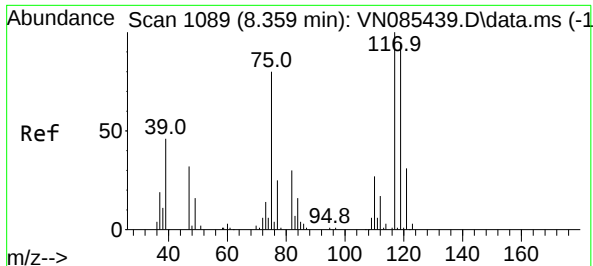
Tgt Ion: 75 Resp: 15251
Ion Ratio Lower Upper
75 100
110 8.8 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.014 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.012 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

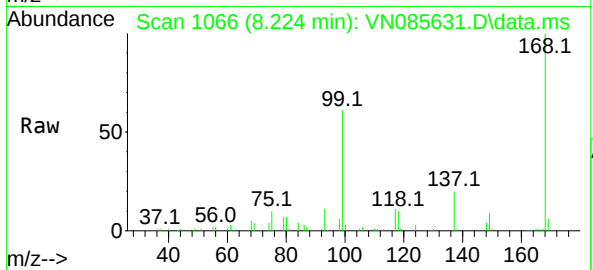
Tgt Ion: 43 Resp: 3428
Ion Ratio Lower Upper
43 100
61 8.2 10.9 16.3#
70 1.8 7.5 11.3#



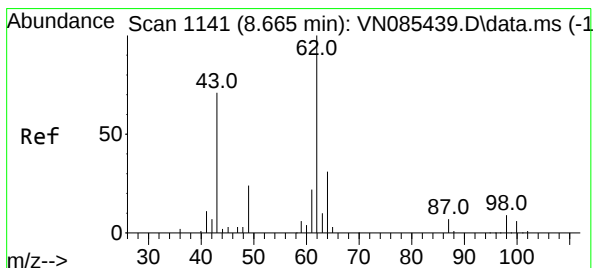
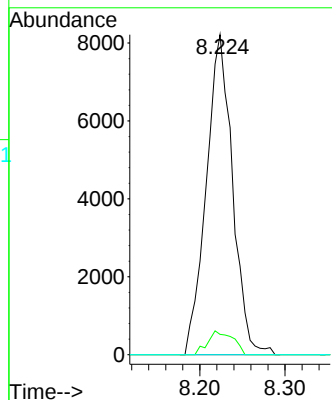
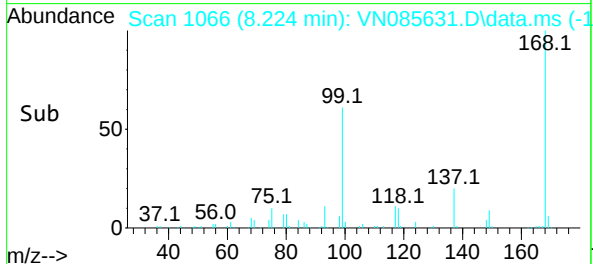


#38
Carbon Tetrachloride
Concen: 4.592 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

Instrument :
MSVOA_N
ClientSampleId :

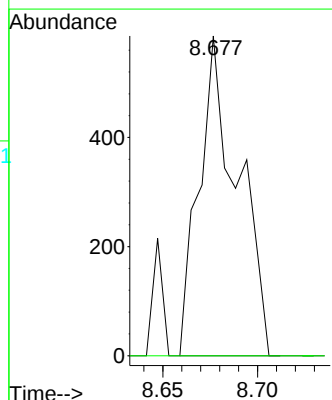
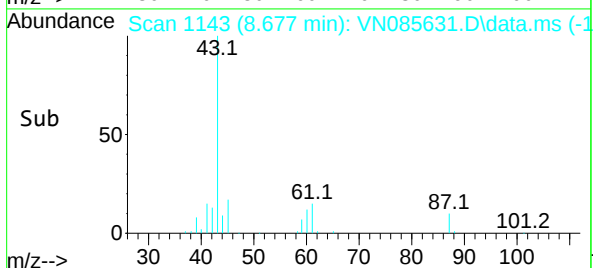
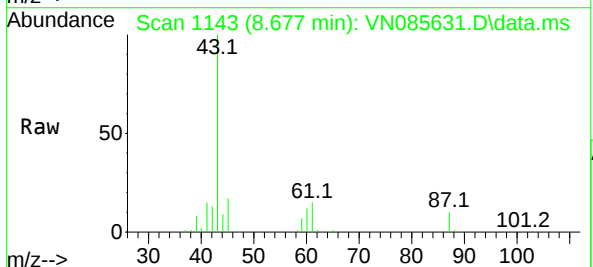


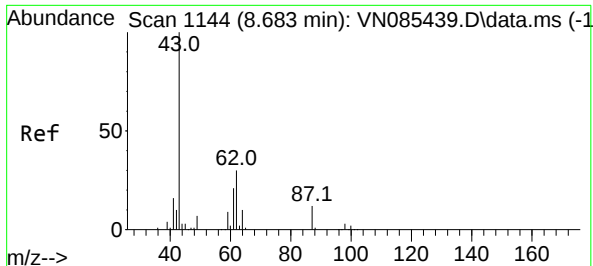
Tgt Ion:117 Resp: 17615
Ion Ratio Lower Upper
117 100
119 6.4 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.219 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

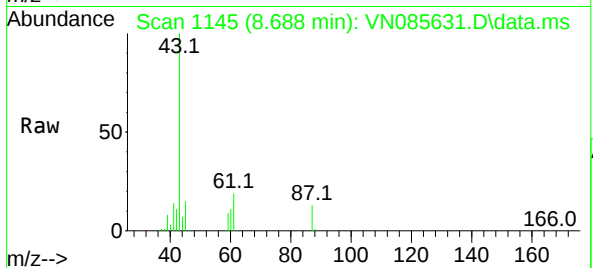
Tgt Ion: 62 Resp: 832
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0



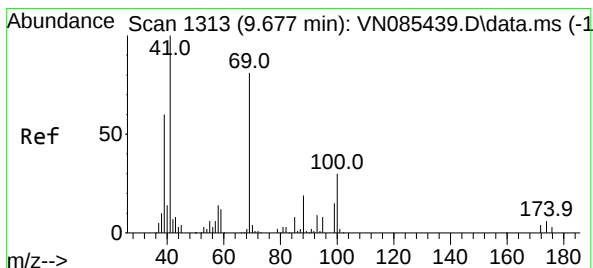
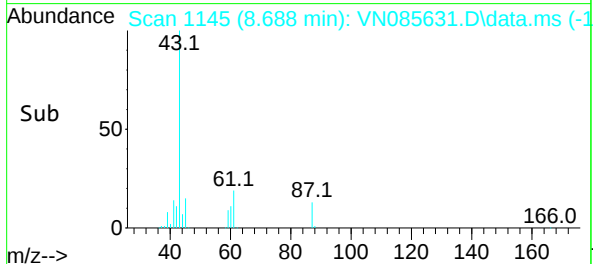
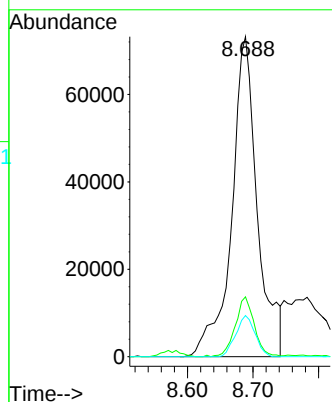


#43
Isopropyl Acetate
Concen: 36.823 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

Instrument :
MSVOA_N
ClientSampleId :

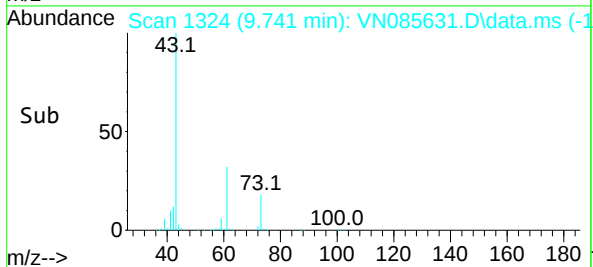
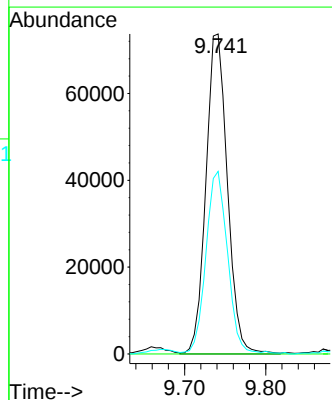
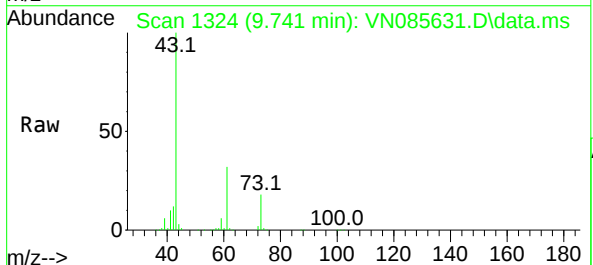


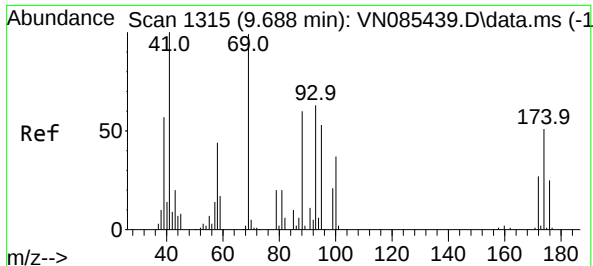
Tgt Ion: 43 Resp: 199559
Ion Ratio Lower Upper
43 100
61 13.9 20.7 31.1#
87 9.7 9.8 14.8#



#48
Methyl methacrylate
Concen: 55.513 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.064 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

Tgt Ion: 41 Resp: 135390
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 57.8 49.0 73.6





#49

1,4-Dioxane

Concen: 4.748 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN085631.D

Acq: 03 Feb 2025 18:49

Instrument :

MSVOA_N

ClientSampleId :

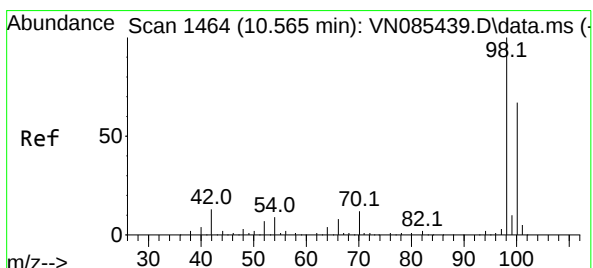
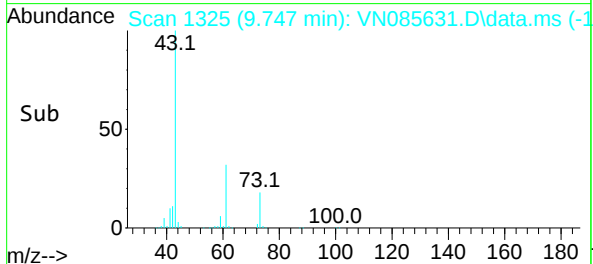
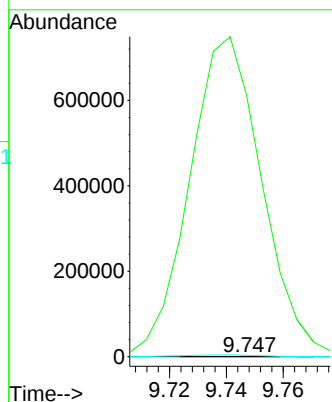
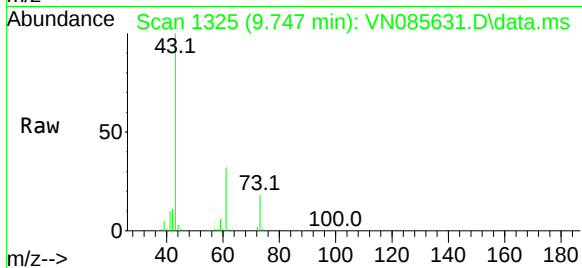
Tgt Ion: 88 Resp: 195

Ion Ratio Lower Upper

88 100

43 683618.5 26.6 39.8#

58 4049.2 59.5 89.3#



#50

Toluene-d8

Concen: 52.906 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085631.D

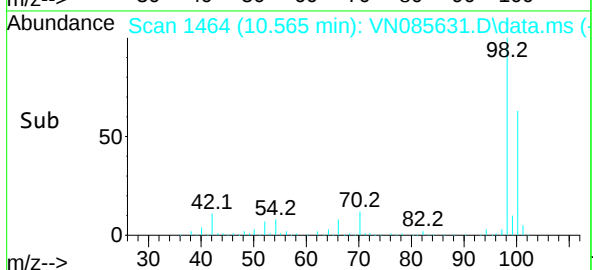
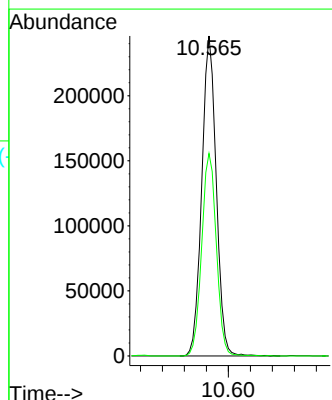
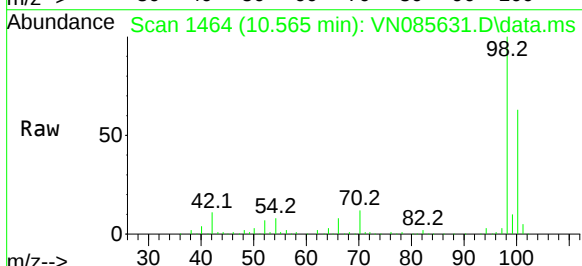
Acq: 03 Feb 2025 18:49

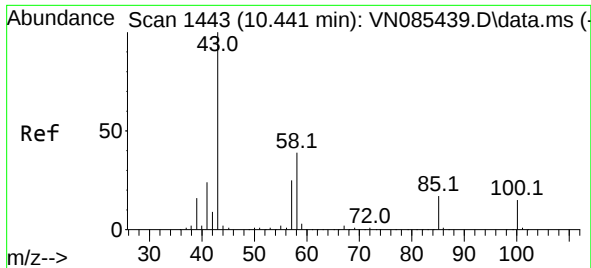
Tgt Ion: 98 Resp: 448792

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.4

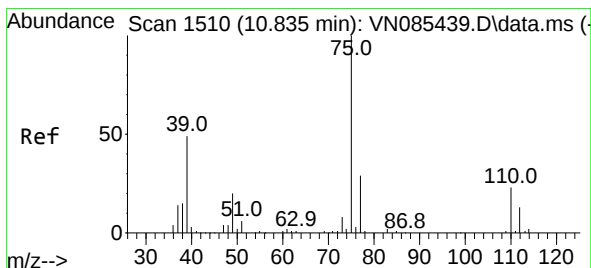
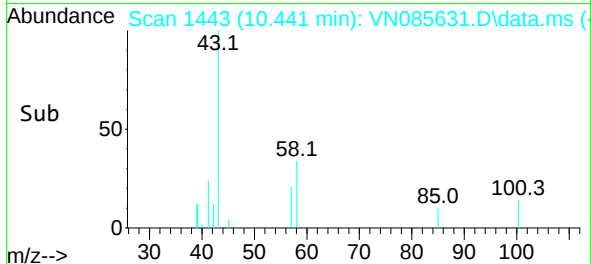
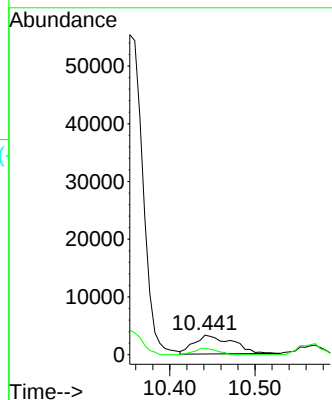
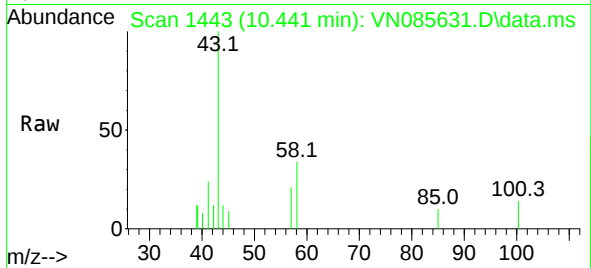




#51
4-Methyl-2-Pentanone
Concen: 3.232 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

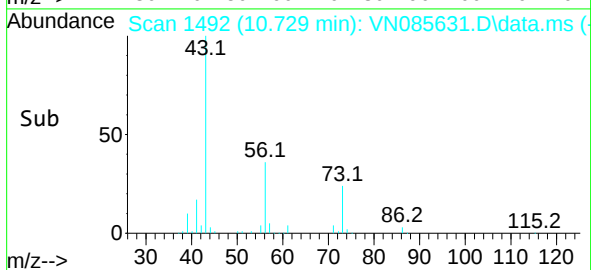
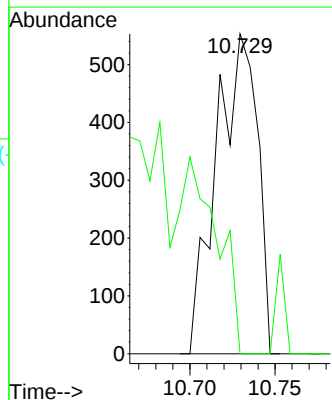
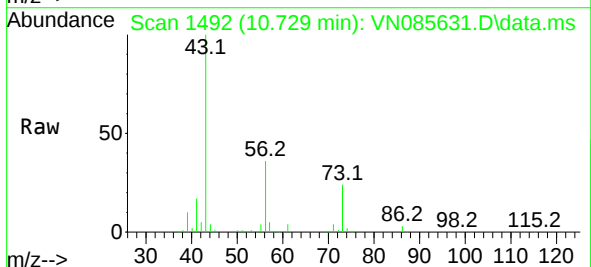
Instrument :
MSVOA_N
ClientSampleId :

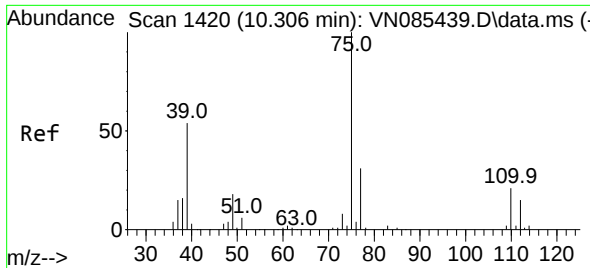
Tgt Ion: 43 Resp: 10163
Ion Ratio Lower Upper
43 100
58 20.2 30.5 45.7#



#53
t-1,3-Dichloropropene
Concen: 0.260 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

Tgt Ion: 75 Resp: 929
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#

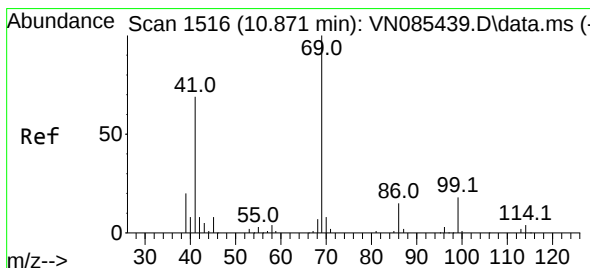
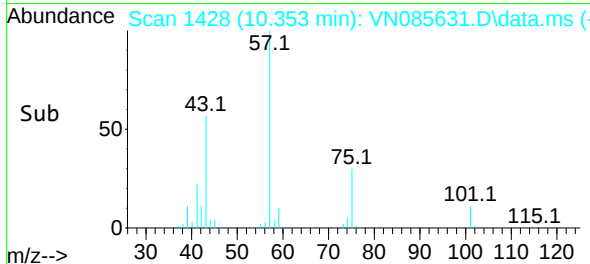
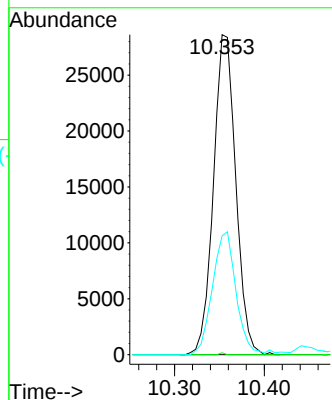
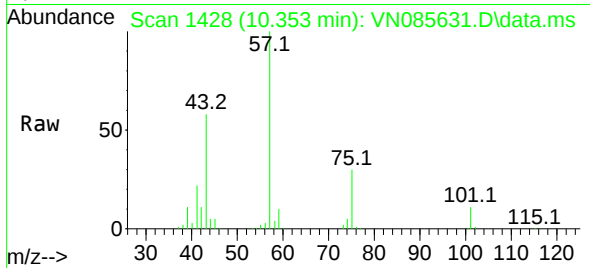




#54
cis-1,3-Dichloropropene
Concen: 12.948 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

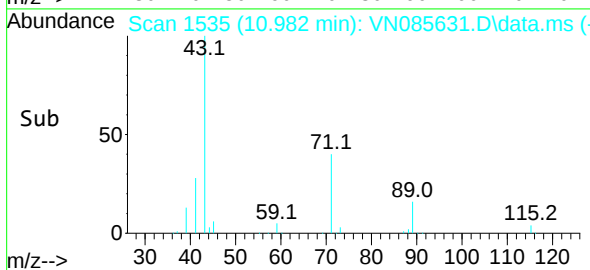
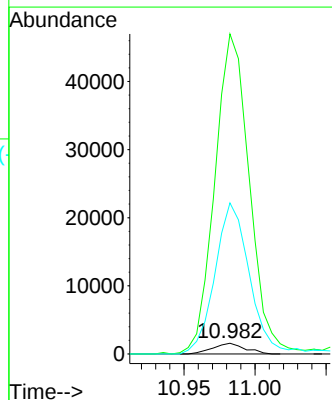
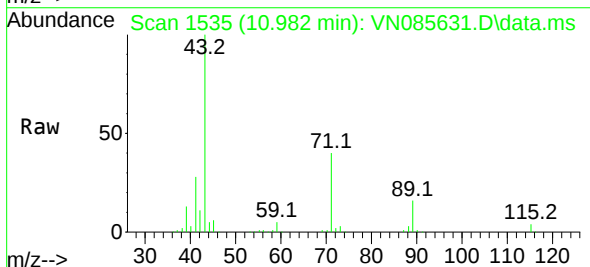
Instrument :
MSVOA_N
ClientSampleId :

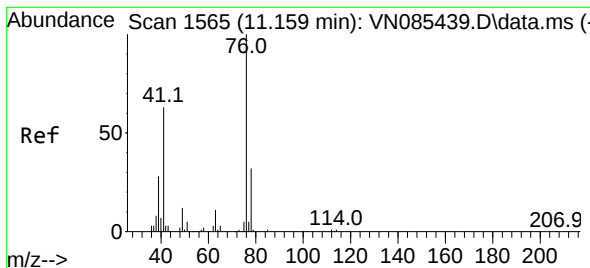
Tgt Ion: 75 Resp: 49413
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 37.1 43.1 64.7#



#56
Ethyl methacrylate
Concen: 2.545 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

Tgt Ion: 69 Resp: 2484
Ion Ratio Lower Upper
69 100
41 3204.5 54.6 82.0#
39 1526.2 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.904 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085631.D

Acq: 03 Feb 2025 18:49

Instrument :

MSVOA_N

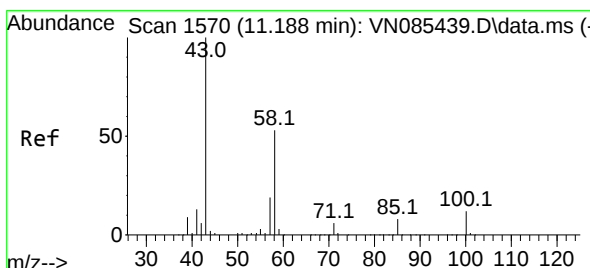
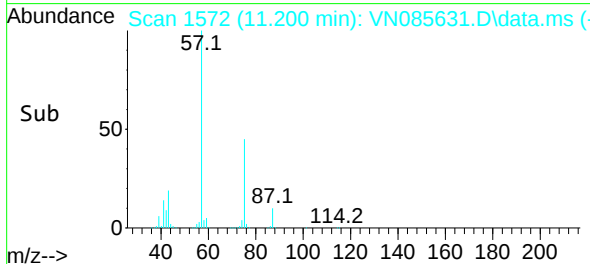
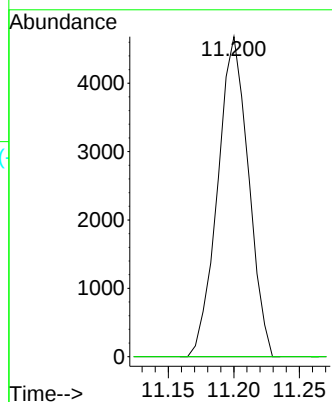
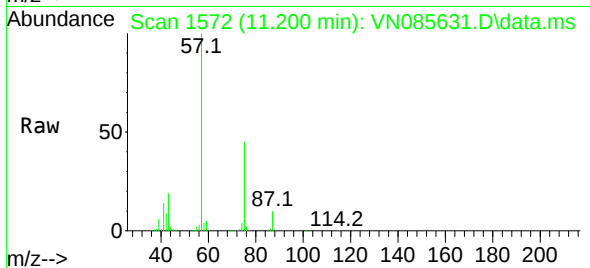
ClientSampleId :

Tgt Ion: 76 Resp: 7645

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 35.453 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085631.D

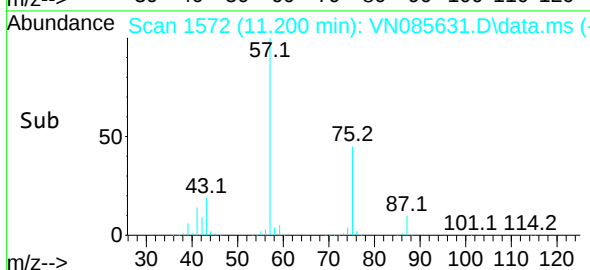
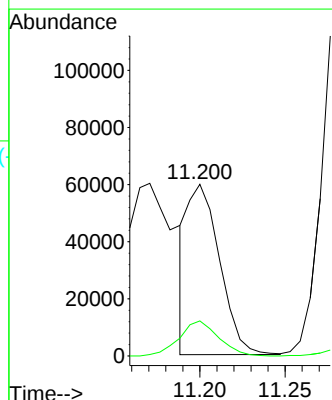
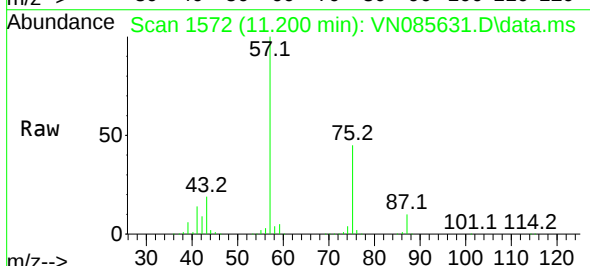
Acq: 03 Feb 2025 18:49

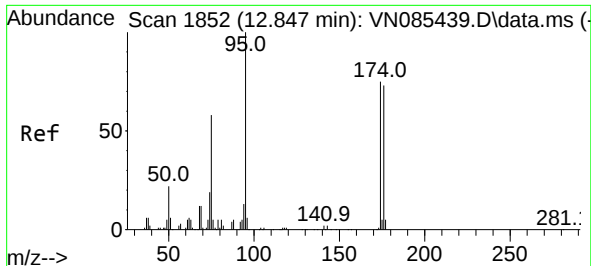
Tgt Ion: 43 Resp: 78451

Ion Ratio Lower Upper

43 100

58 25.1 26.2 78.6#

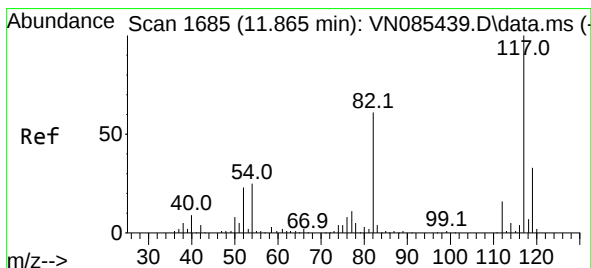
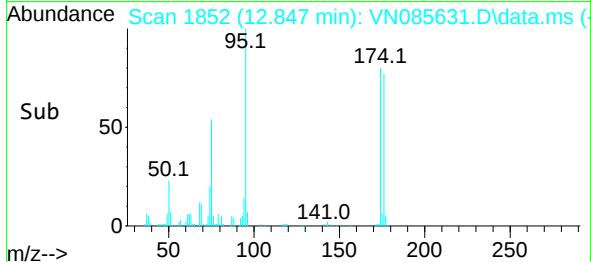
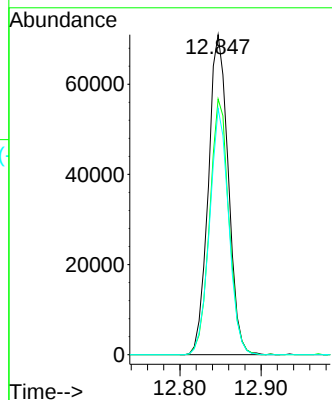
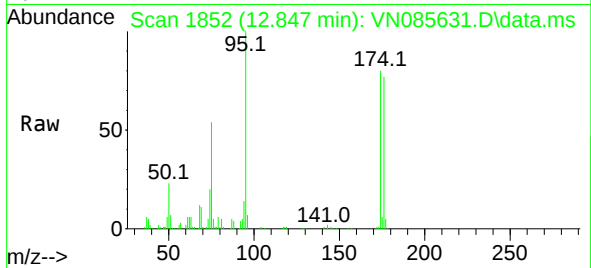




#62
4-Bromofluorobenzene
Concen: 41.690 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

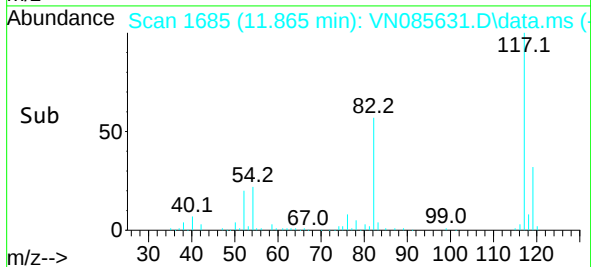
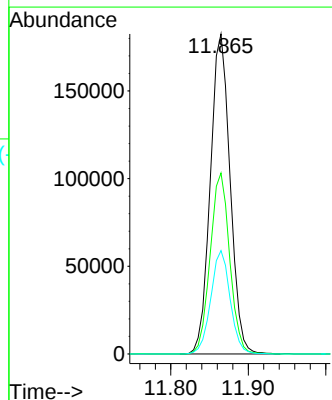
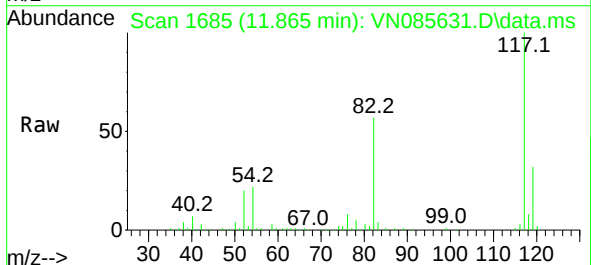
Instrument :
MSVOA_N
ClientSampleId :

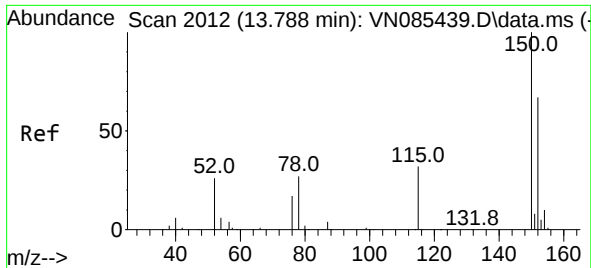
Tgt Ion: 95 Resp: 120975
Ion Ratio Lower Upper
95 100
174 77.2 0.0 145.0
176 73.7 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

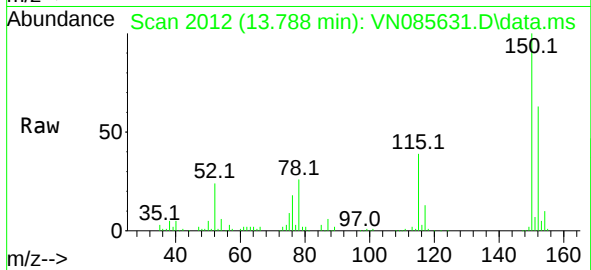
Tgt Ion: 117 Resp: 323199
Ion Ratio Lower Upper
117 100
82 56.6 48.6 72.8
119 32.3 26.6 39.8



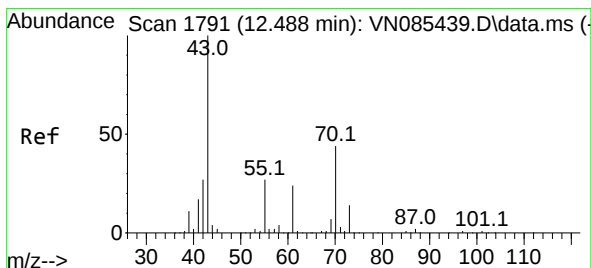
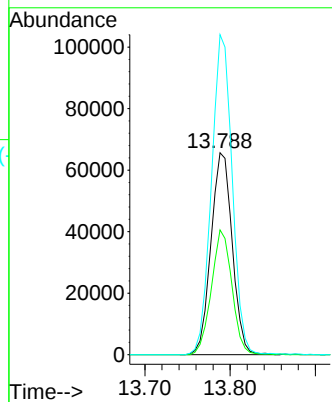
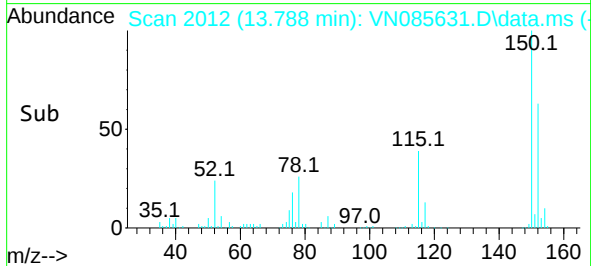


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49

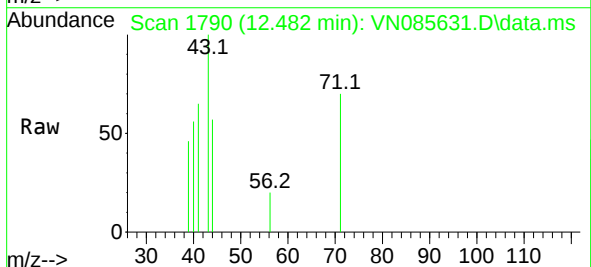
Instrument :
MSVOA_N
ClientSampleId :



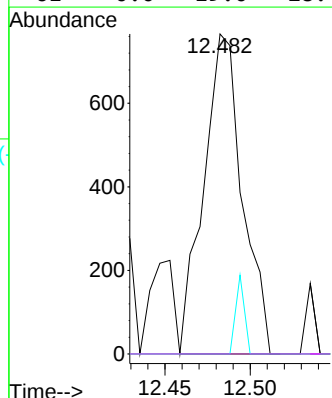
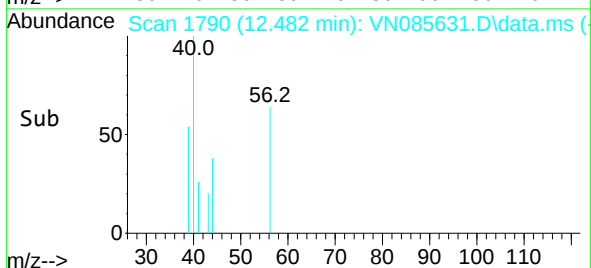
Tgt Ion:152 Resp: 113771
Ion Ratio Lower Upper
152 100
115 59.6 31.1 93.3
150 154.9 0.0 343.6

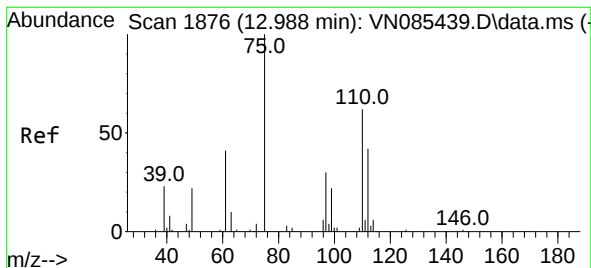


#74
N-ethyl acetate
Concen: 0.351 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VN085631.D
Acq: 03 Feb 2025 18:49



Tgt Ion: 43 Resp: 1213
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 5.5 21.4 32.2#
61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 28.368 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085631.D

Acq: 03 Feb 2025 18:49

Instrument :

MSVOA_N

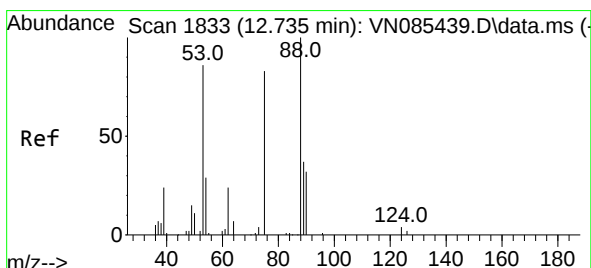
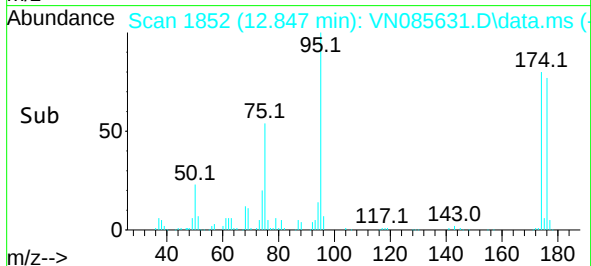
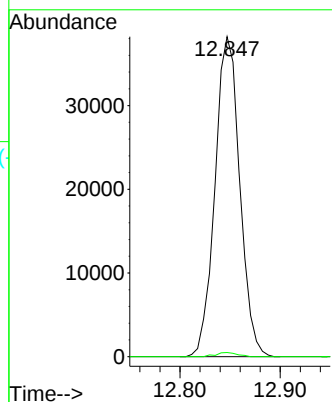
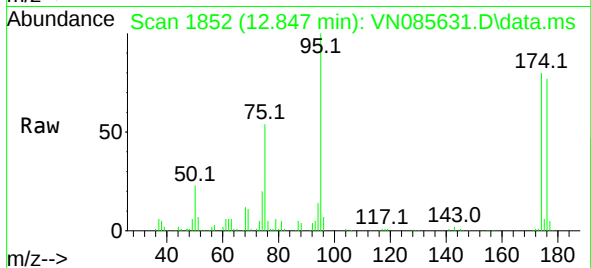
ClientSampleId :

Tgt Ion: 75 Resp: 65599

Ion Ratio Lower Upper

75 100

77 1.1 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.752 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085631.D

Acq: 03 Feb 2025 18:49

Tgt Ion: 75 Resp: 65599

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 37.0 55.6#

