

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020525\
 Data File : VN085676.D
 Acq On : 05 Feb 2025 14:47
 Operator : JC\MD
 Sample : PB166529ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

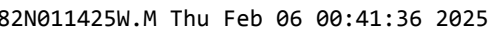
Instrument :
 MSVOA_N
 ClientSampleId :

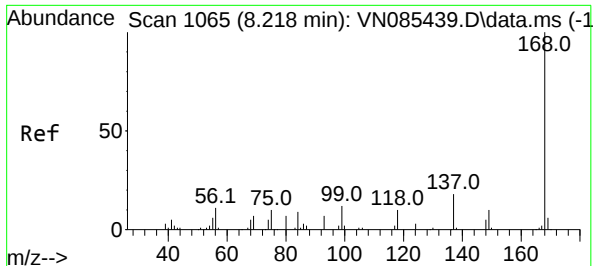
Quant Time: Feb 06 00:41:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	190051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	371968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	352444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150115	48.932	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.860%
35) Dibromofluoromethane	8.159	113	124406	48.209	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.420%
50) Toluene-d8	10.565	98	483336	52.716	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.440%
62) 4-Bromofluorobenzene	12.847	95	142897	45.561	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.120%
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	436	0.258	ug/l	97
11) Tert butyl alcohol	5.512	59	109	0.310	ug/l #	71
16) Acetone	4.430	43	34361	34.665	ug/l	99
18) Methyl Acetate	5.036	43	2544	0.844	ug/l #	76
20) Methylene Chloride	5.277	84	3240	1.320	ug/l #	84
25) 2-Butanone	7.483	43	3616	2.479	ug/l	100
31) Cyclohexane	8.218	56	4917	1.263	ug/l #	30
36) 1,1-Dichloropropene	8.218	75	16464	4.546	ug/l #	50
37) Ethyl Acetate	7.559	43	3996	1.093	ug/l #	83
38) Carbon Tetrachloride	8.224	117	20695	4.991	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	983	0.240	ug/l #	76
43) Isopropyl Acetate	8.688	43	164935	28.157	ug/l #	88
45) 1,2-Dichloropropane	9.735	63	1687	0.607	ug/l #	43
48) Methyl methacrylate	9.735	41	133990	50.830	ug/l #	45
49) 1,4-Dioxane	9.747	88	144	3.244	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	5392	1.586	ug/l	88
53) t-1,3-Dichloropropene	10.729	75	984	0.255	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	53791	13.041	ug/l #	62
56) Ethyl methacrylate	10.982	69	1977	2.383	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7824	1.803	ug/l #	43
59) 2-Hexanone	11.200	43	95718	40.021	ug/l #	56
74) N-amyl acetate	12.476	43	1081	0.274	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	75631	28.564	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75631	77.281	ug/l #	3

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

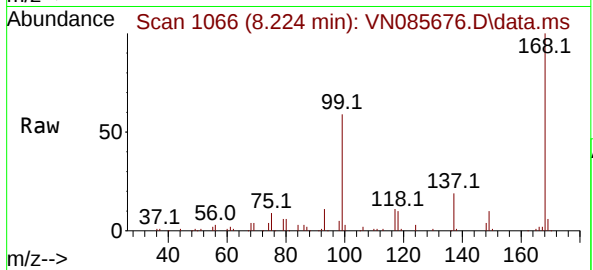
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Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



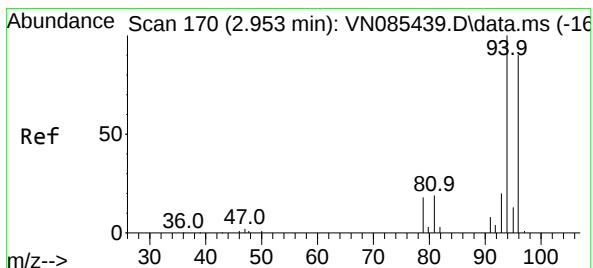
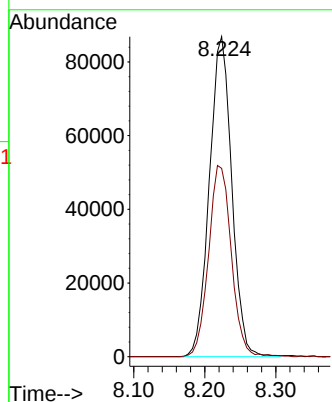
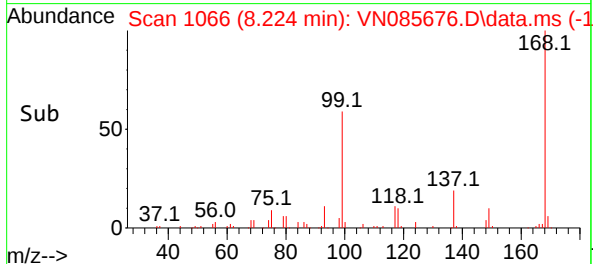


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Instrument :
MSVOA_N
ClientSampleId :

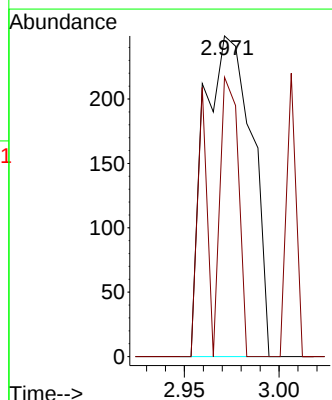
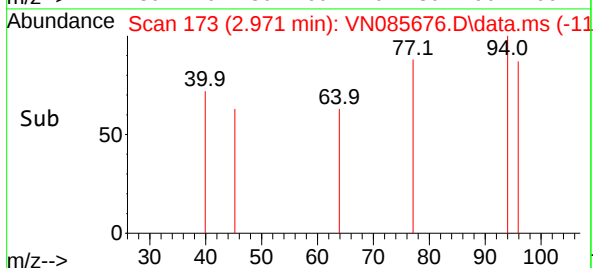
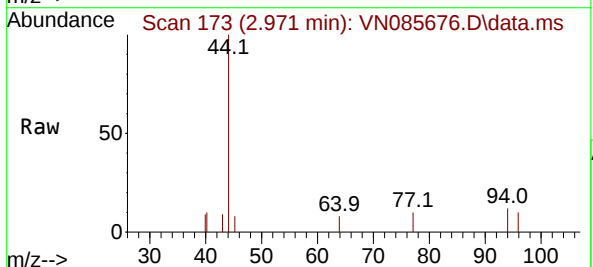


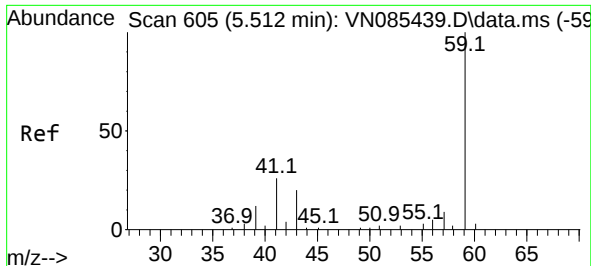
Tgt Ion:168 Resp: 190051
Ion Ratio Lower Upper
168 100
99 58.9 53.6 80.4



#5
Bromomethane
Concen: 0.258 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.018 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

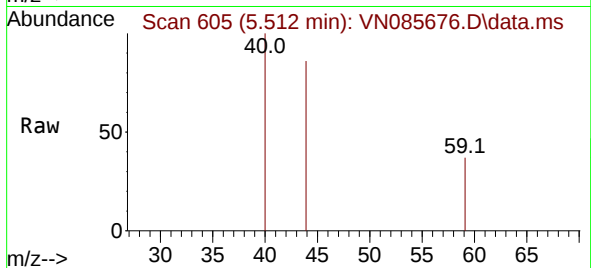
Tgt Ion: 94 Resp: 436
Ion Ratio Lower Upper
94 100
96 87.1 71.8 107.6



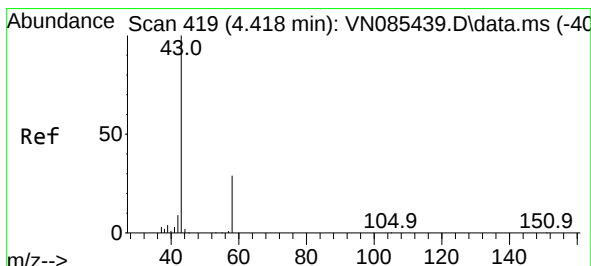
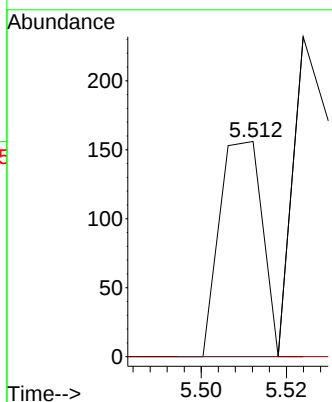
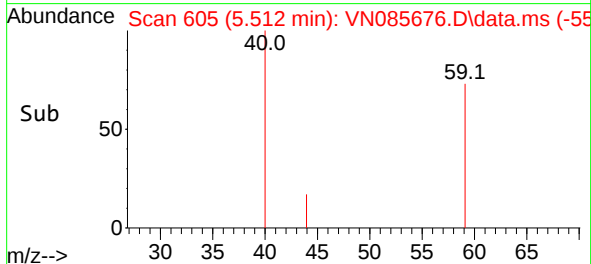


#11
Tert butyl alcohol
Concen: 0.310 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

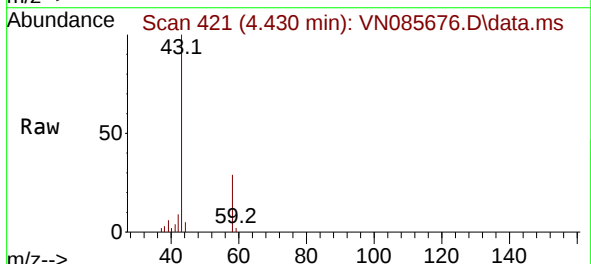
Instrument :
MSVOA_N
ClientSampleId :



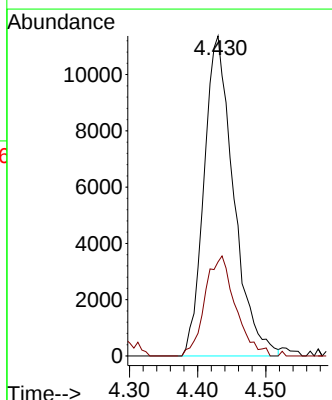
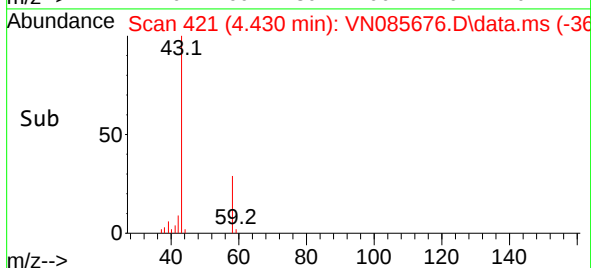
Tgt Ion: 59 Resp: 109
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

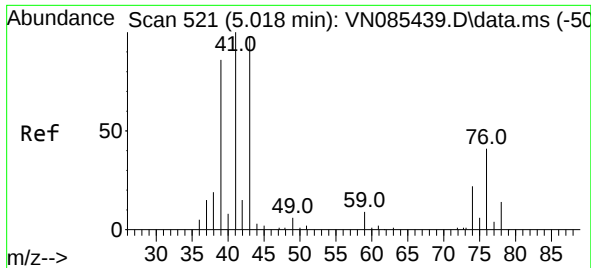


#16
Acetone
Concen: 34.665 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47



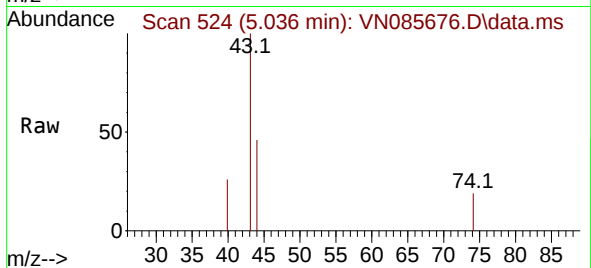
Tgt Ion: 43 Resp: 34361
Ion Ratio Lower Upper
43 100
58 29.4 23.8 35.6



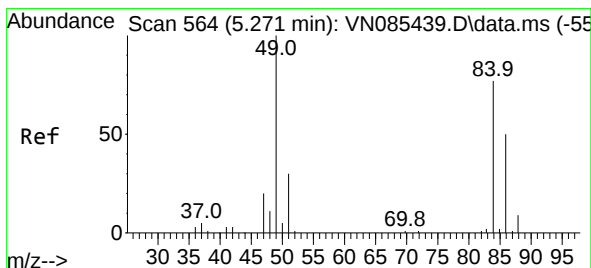
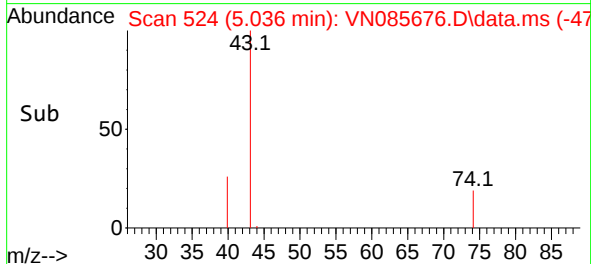
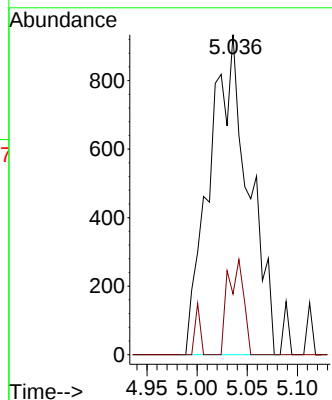


#18
Methyl Acetate
Concen: 0.844 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Instrument :
MSVOA_N
ClientSampleId :

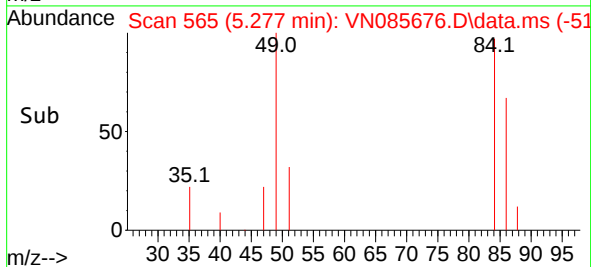
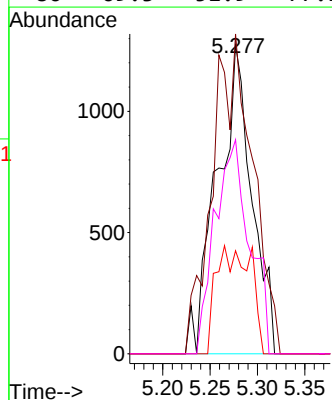
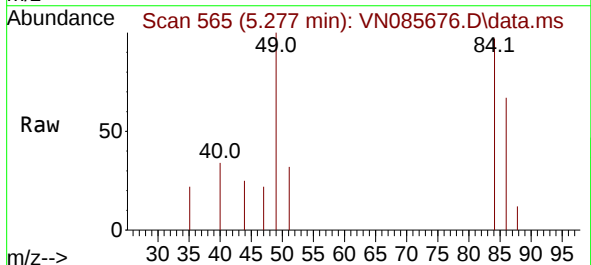


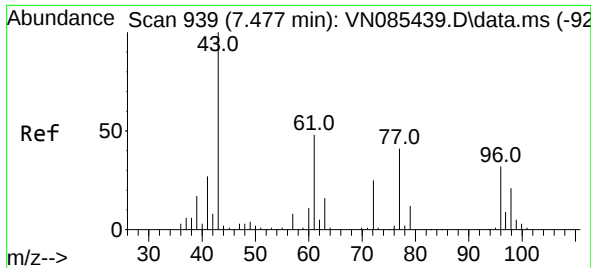
Tgt Ion: 43 Resp: 2544
Ion Ratio Lower Upper
43 100
74 11.8 18.6 28.0#



#20
Methylene Chloride
Concen: 1.320 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Tgt Ion: 84 Resp: 3240
Ion Ratio Lower Upper
84 100
49 103.5 104.1 156.1#
51 33.4 31.0 46.4
86 69.3 51.9 77.9

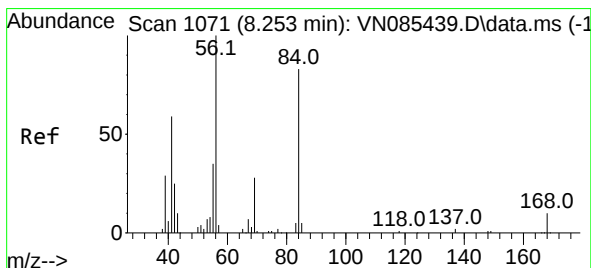
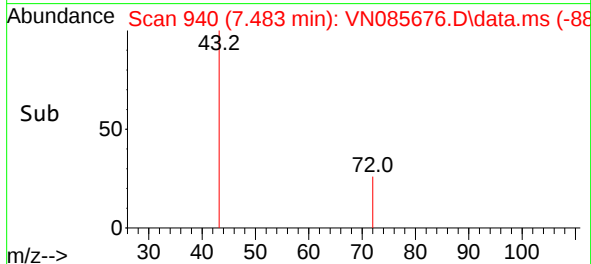
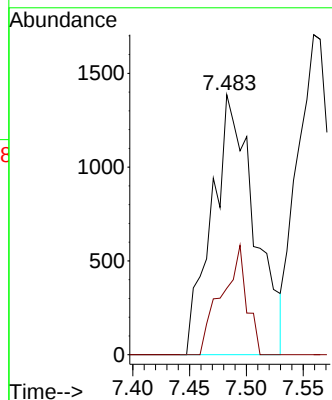
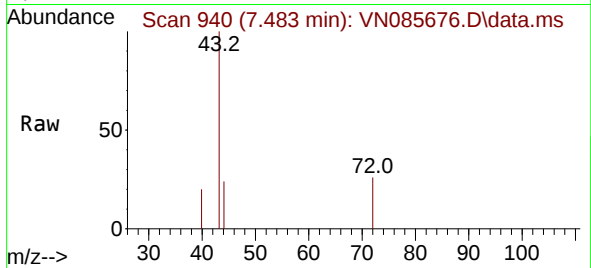




#25
2-Butanone
Concen: 2.479 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

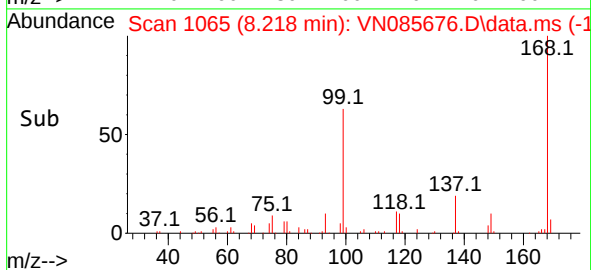
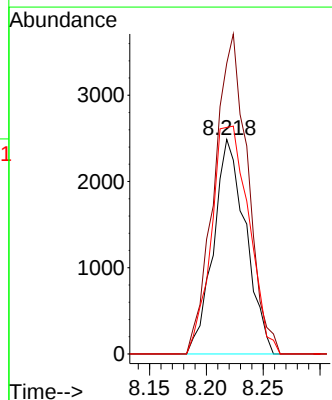
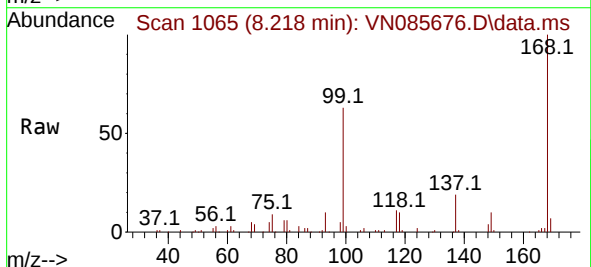
Instrument :
MSVOA_N
ClientSampleId :

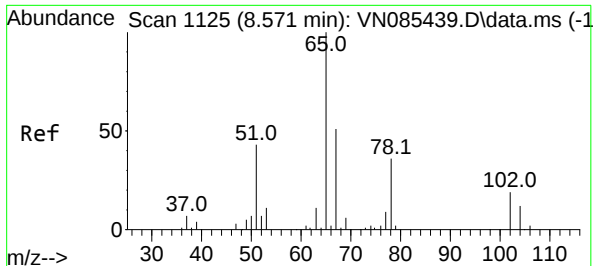
Tgt Ion: 43 Resp: 3616
Ion Ratio Lower Upper
43 100
72 25.5 20.2 30.4



#31
Cyclohexane
Concen: 1.263 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Tgt Ion: 56 Resp: 4917
Ion Ratio Lower Upper
56 100
69 135.5 22.2 33.4#
84 105.6 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.932 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085676.D

Acq: 05 Feb 2025 14:47

Instrument :

MSVOA_N

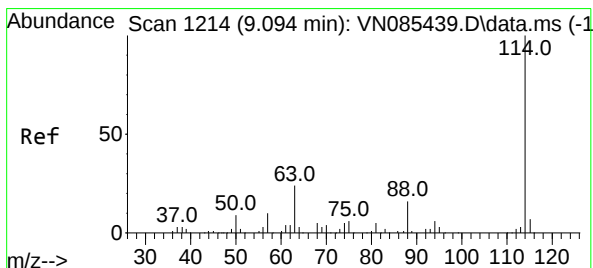
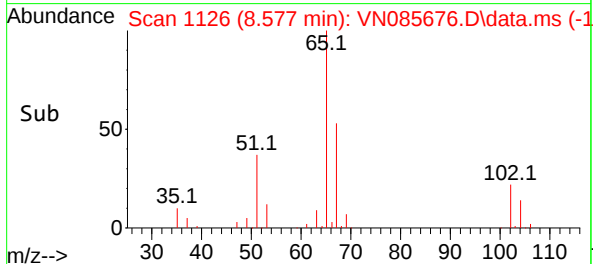
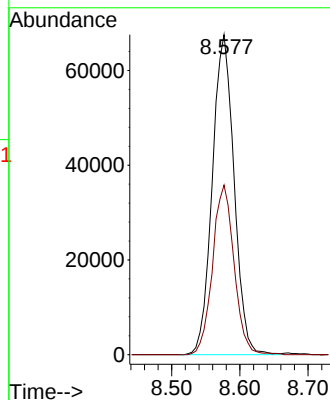
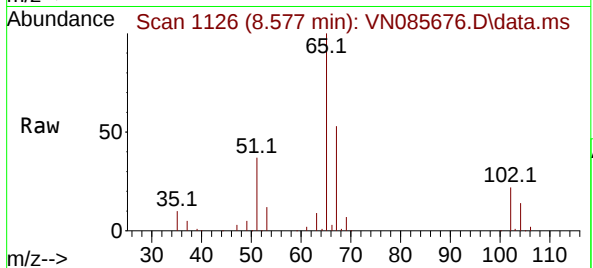
ClientSampleId :

Tgt Ion: 65 Resp: 150115

Ion Ratio Lower Upper

65 100

67 52.4 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: VN085676.D

Acq: 05 Feb 2025 14:47

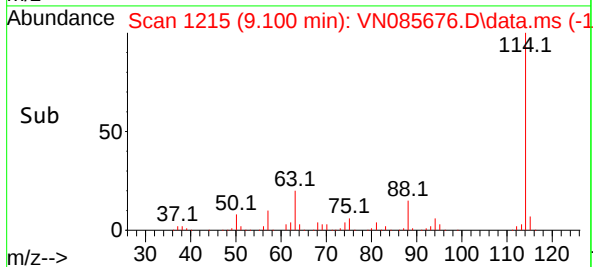
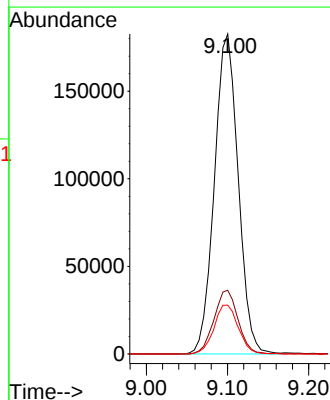
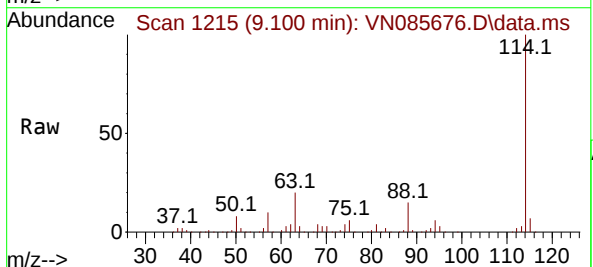
Tgt Ion: 114 Resp: 371968

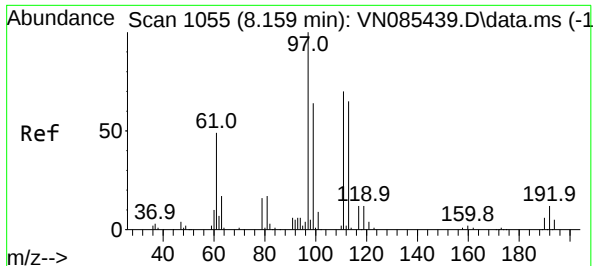
Ion Ratio Lower Upper

114 100

63 19.9 0.0 47.6

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.209 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

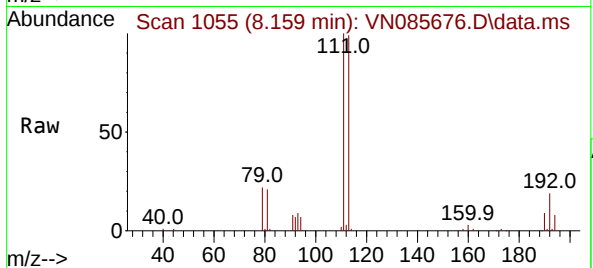
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Acq: 05 Feb 2025 14:47

Instrument :

MSVOA_N

ClientSampleId :



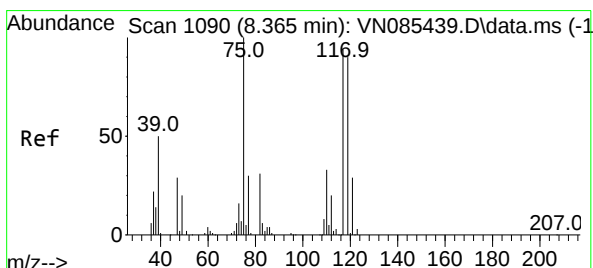
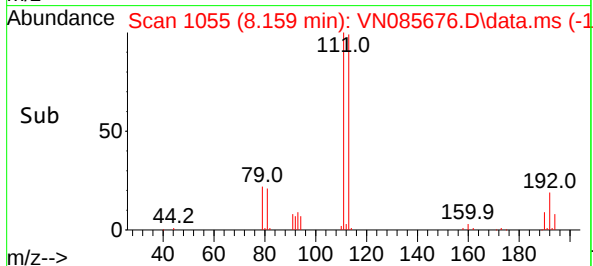
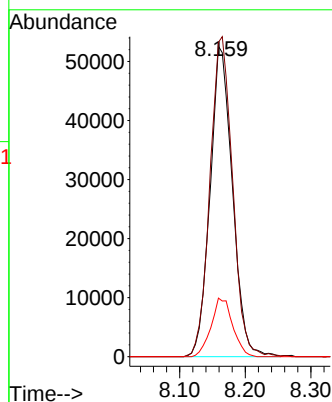
Tgt Ion:113 Resp: 124406

Ion Ratio Lower Upper

113 100

111 104.1 82.7 124.1

192 18.2 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.546 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085676.D

Acq: 05 Feb 2025 14:47

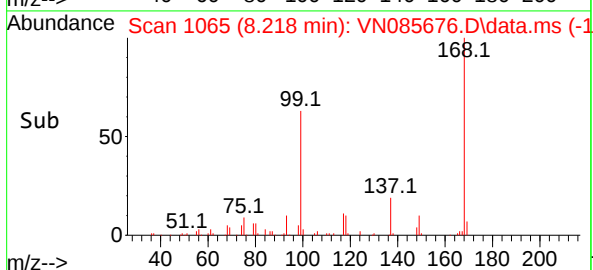
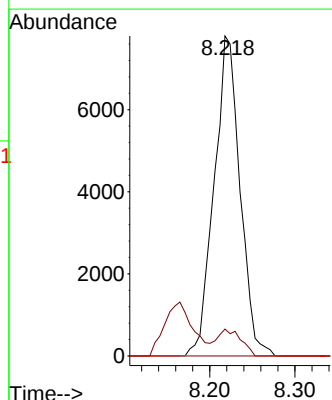
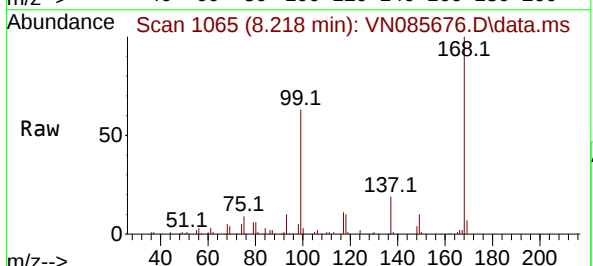
Tgt Ion: 75 Resp: 16464

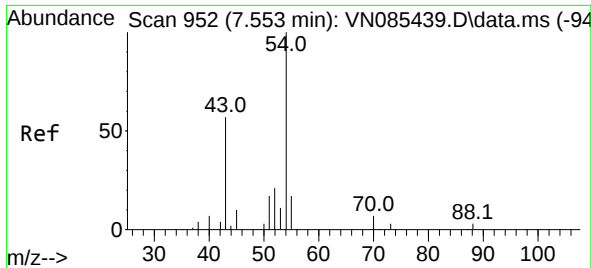
Ion Ratio Lower Upper

75 100

110 7.7 16.5 49.5#

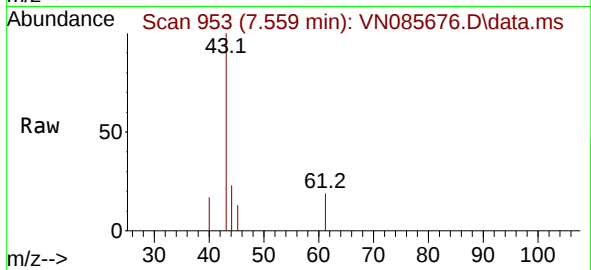
77 0.0 24.4 36.6#



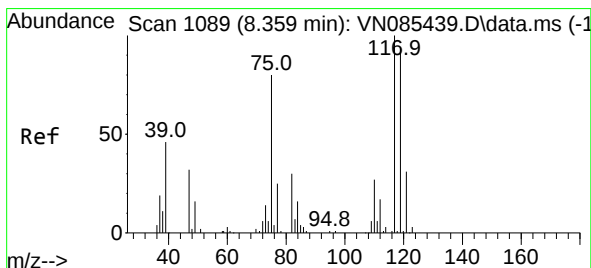
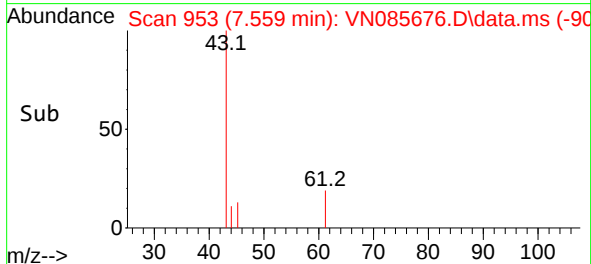
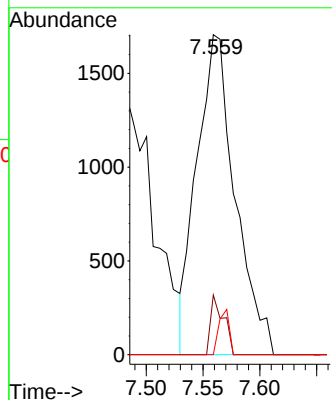


#37
Ethyl Acetate
Concen: 1.093 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Instrument :
MSVOA_N
ClientSampleId :

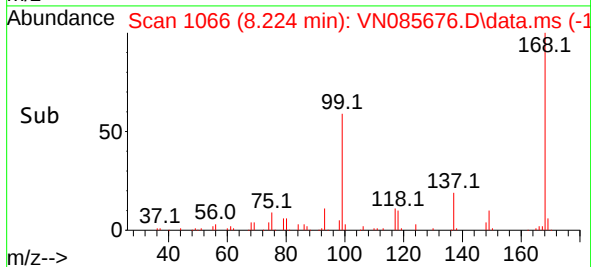
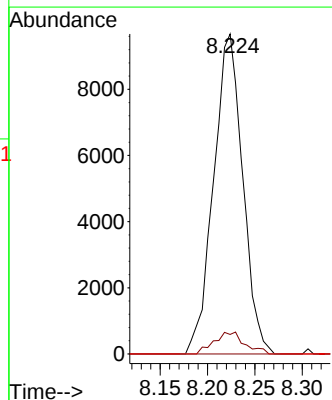
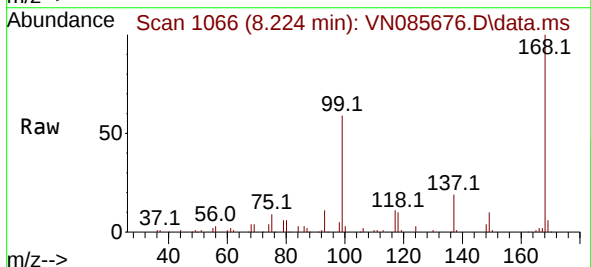


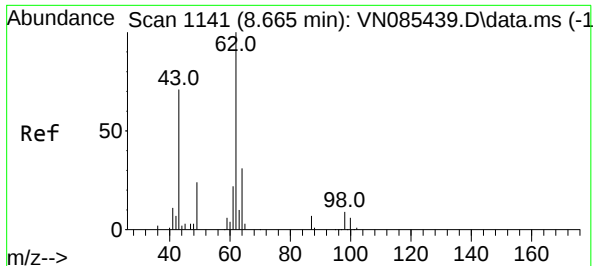
Tgt Ion: 43 Resp: 3996
Ion Ratio Lower Upper
43 100
61 6.3 10.9 16.3#
70 3.8 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 4.991 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Tgt Ion: 117 Resp: 20695
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.2#
121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.240 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.024 min

Lab File: VN085676.D

Acq: 05 Feb 2025 14:47

Instrument :

MSVOA_N

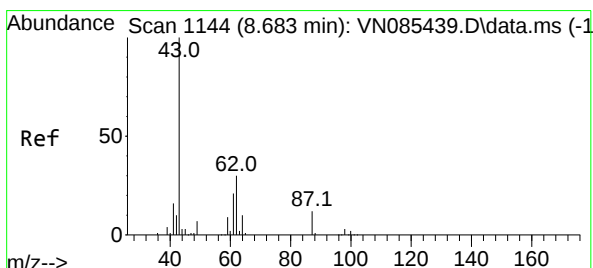
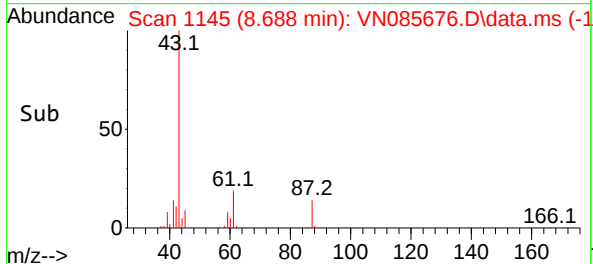
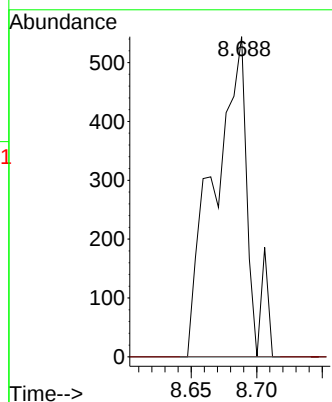
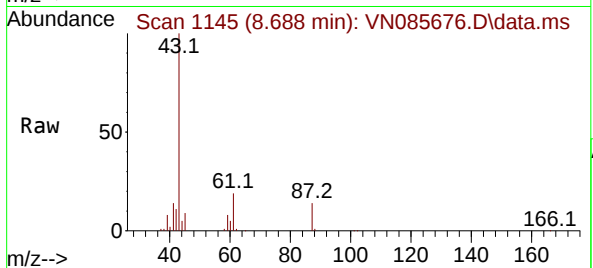
ClientSampleId :

Tgt Ion: 62 Resp: 983

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 28.157 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085676.D

Acq: 05 Feb 2025 14:47

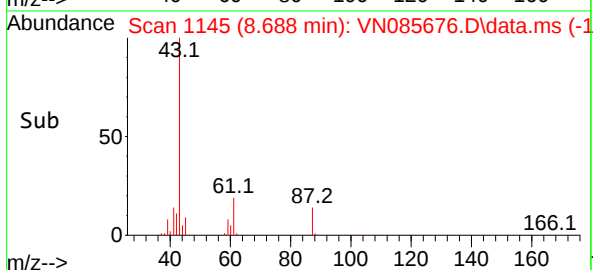
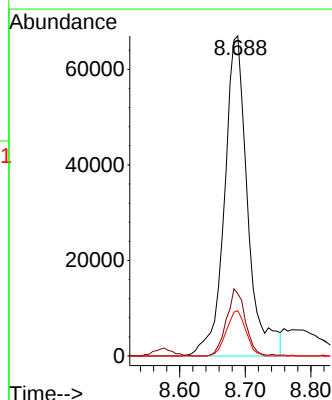
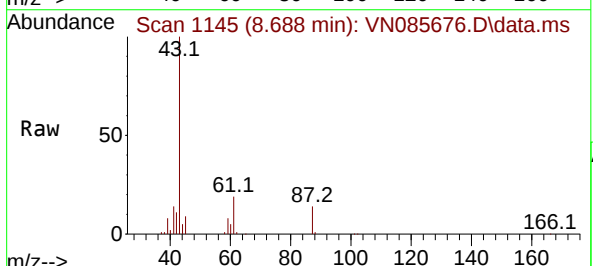
Tgt Ion: 43 Resp: 164935

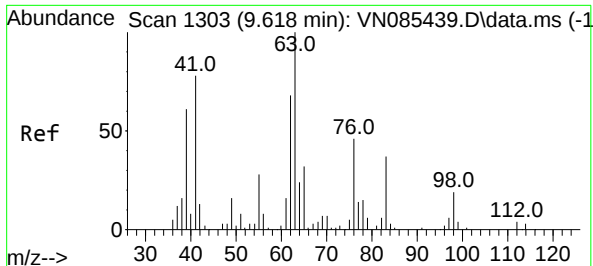
Ion Ratio Lower Upper

43 100

61 16.9 20.7 31.1#

87 11.8 9.8 14.8





#45

1,2-Dichloropropane

Concen: 0.607 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085676.D

Acq: 05 Feb 2025 14:47

Instrument :

MSVOA_N

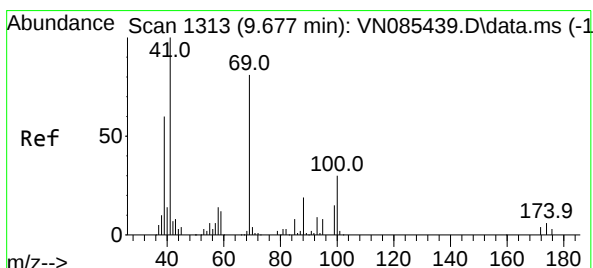
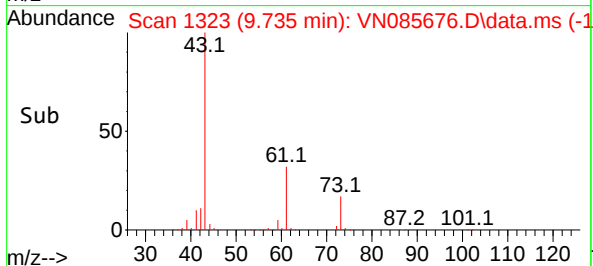
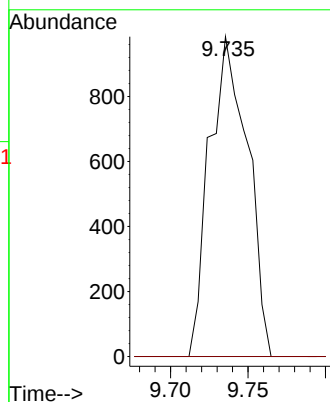
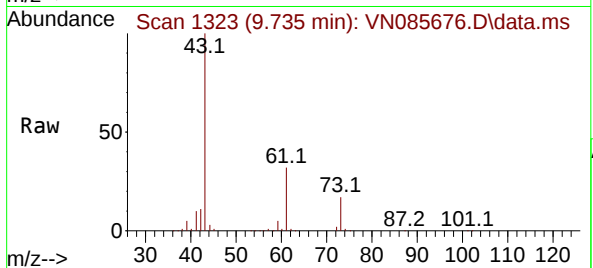
ClientSampleId :

Tgt Ion: 63 Resp: 1687

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 50.830 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.058 min

Lab File: VN085676.D

Acq: 05 Feb 2025 14:47

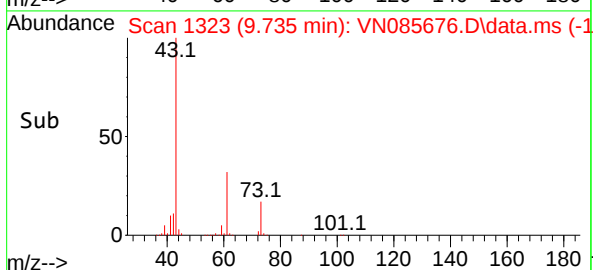
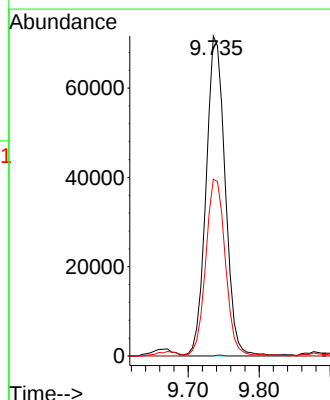
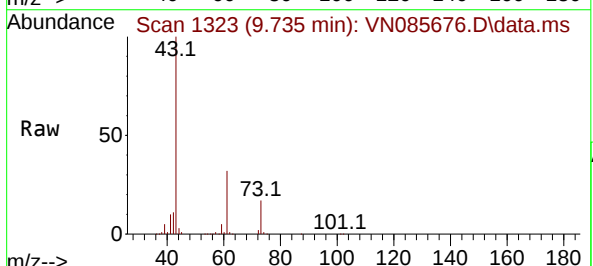
Tgt Ion: 41 Resp: 133990

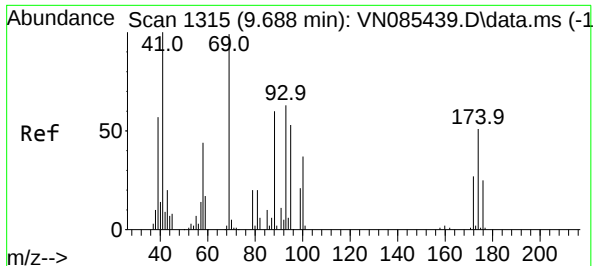
Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

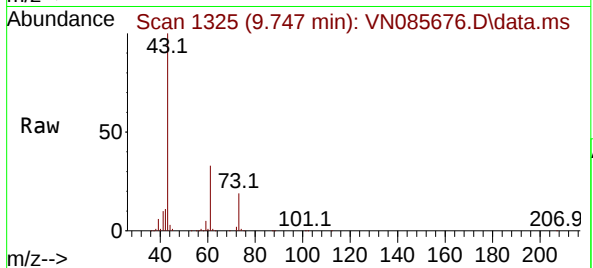
39 56.1 49.0 73.6



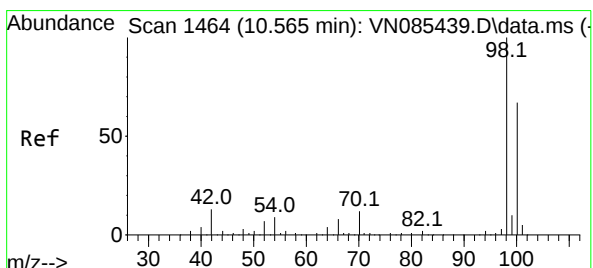
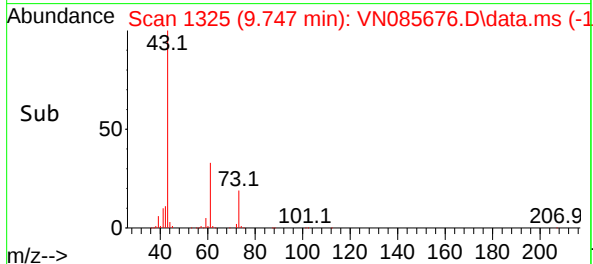
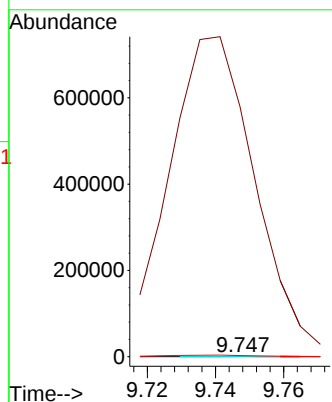


#49
1,4-Dioxane
Concen: 3.244 ug/l
RT: 9.747 min Scan# 1315
Delta R.T. 0.059 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Instrument :
MSVOA_N
ClientSampleId :

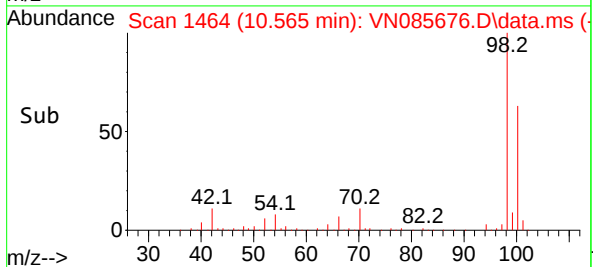
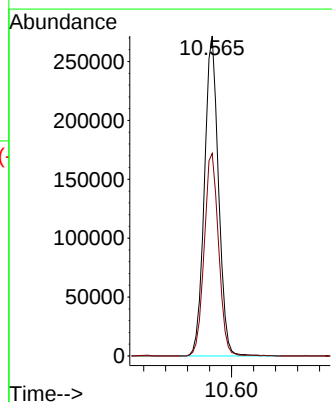
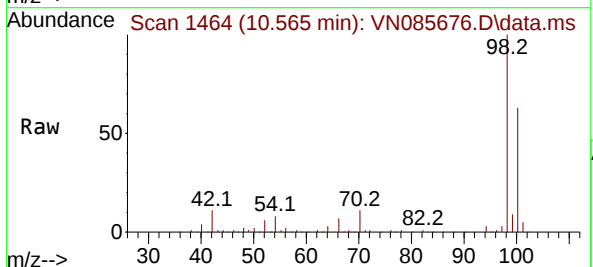


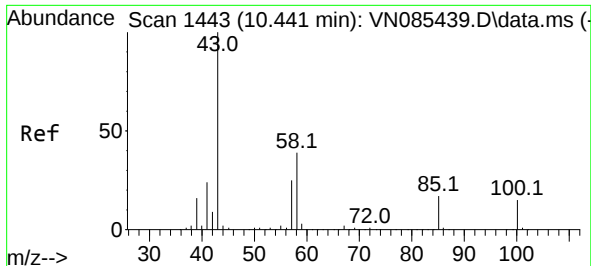
Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 931548.6 26.6 39.8#
58 5024.3 59.5 89.3#



#50
Toluene-d8
Concen: 52.716 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Tgt Ion: 98 Resp: 483336
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4

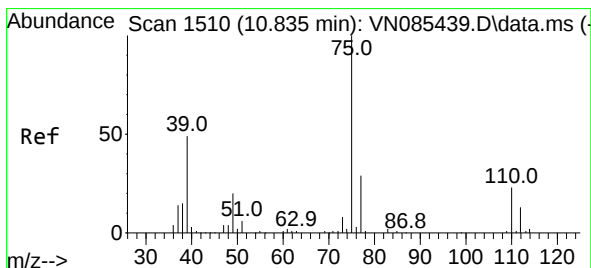
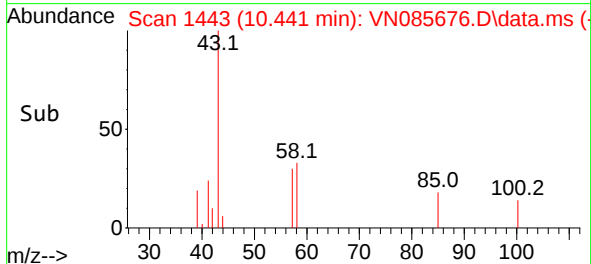
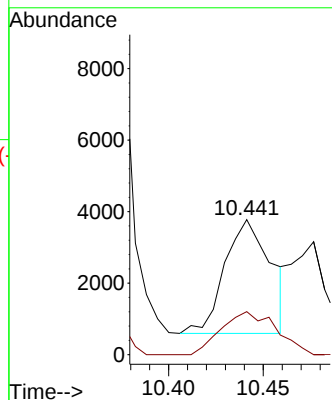
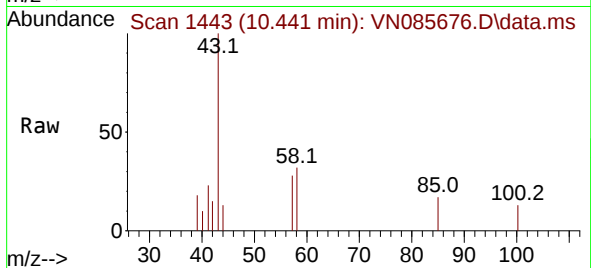




#51
4-Methyl-2-Pentanone
Concen: 1.586 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

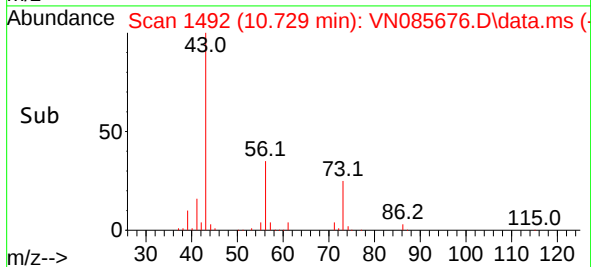
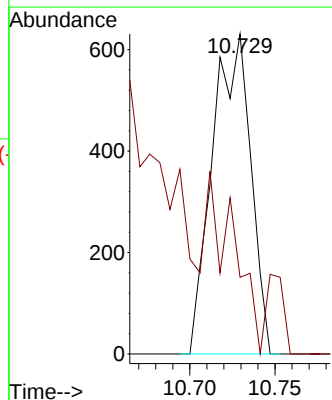
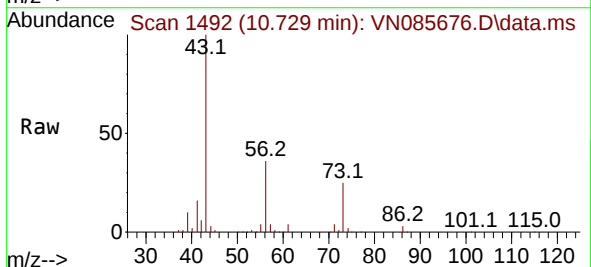
Instrument :
MSVOA_N
ClientSampleId :

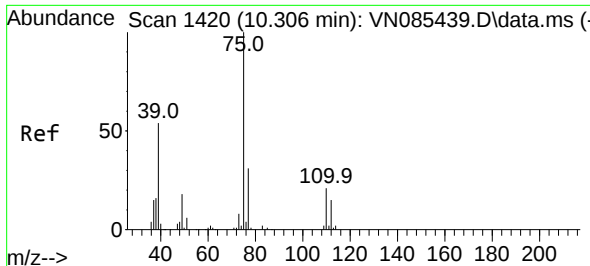
Tgt Ion: 43 Resp: 5392
Ion Ratio Lower Upper
43 100
58 45.3 30.5 45.7



#53
t-1,3-Dichloropropene
Concen: 0.255 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Tgt Ion: 75 Resp: 984
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#

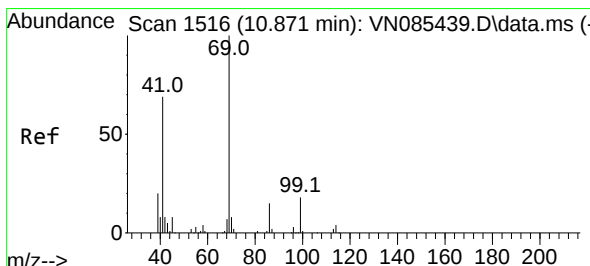
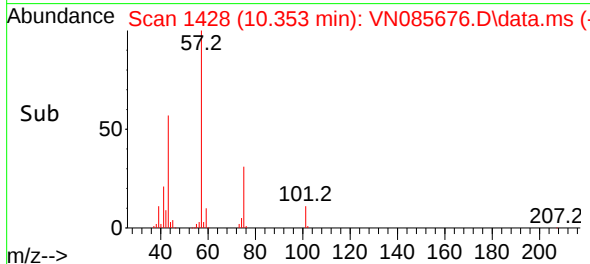
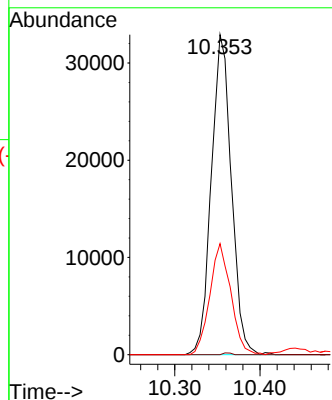
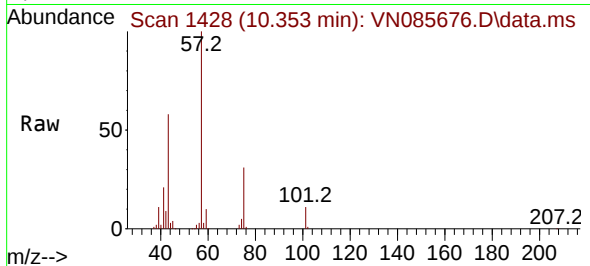




#54
cis-1,3-Dichloropropene
Concen: 13.041 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

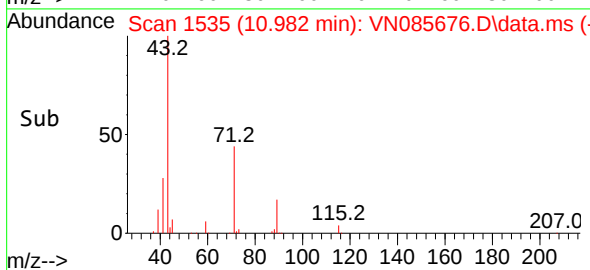
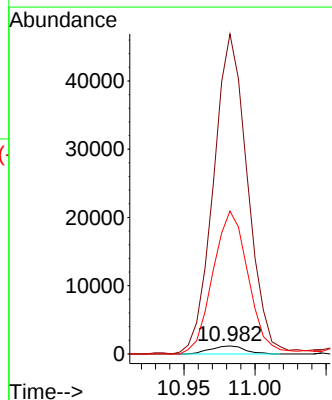
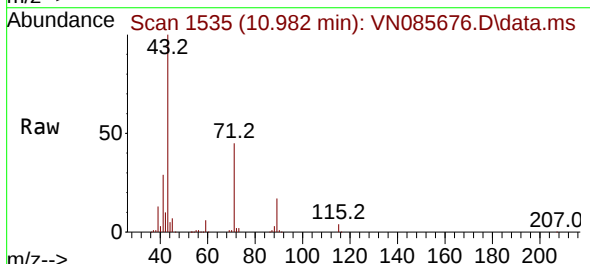
Instrument :
MSVOA_N
ClientSampleId :

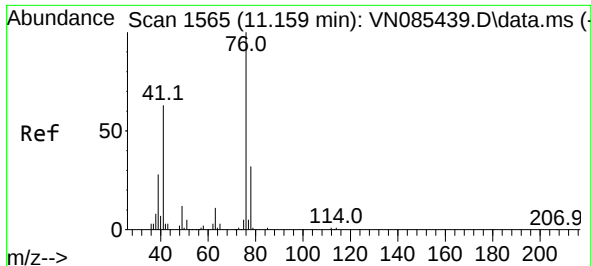
Tgt Ion: 75 Resp: 53791
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 34.7 43.1 64.7#



#56
Ethyl methacrylate
Concen: 2.383 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Tgt Ion: 69 Resp: 1977
Ion Ratio Lower Upper
69 100
41 3972.9 54.6 82.0#
39 1851.1 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.803 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085676.D

Acq: 05 Feb 2025 14:47

Instrument :

MSVOA_N

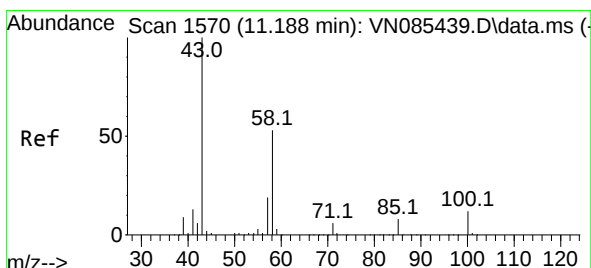
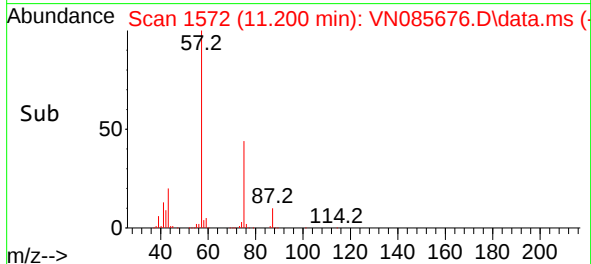
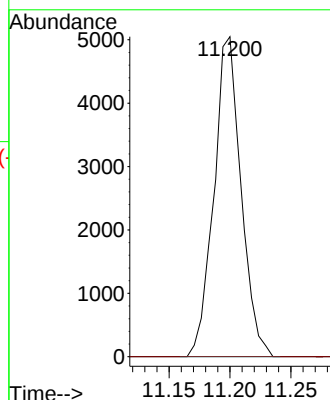
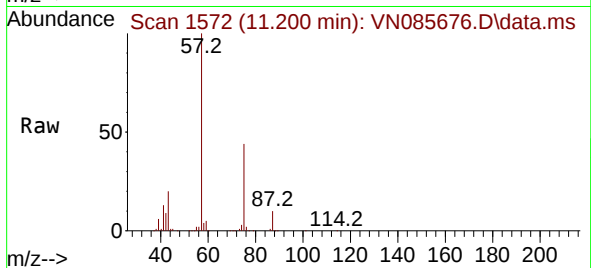
ClientSampleId :

Tgt Ion: 76 Resp: 7824

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 40.021 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085676.D

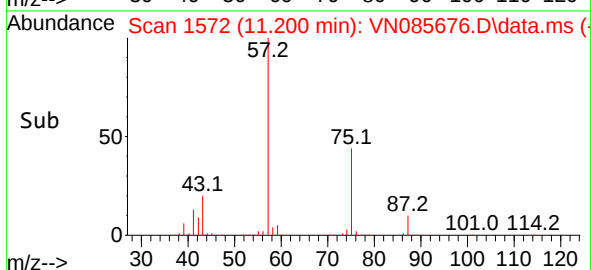
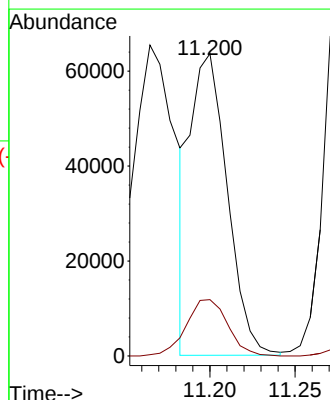
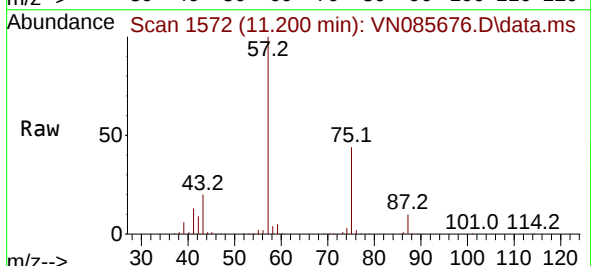
Acq: 05 Feb 2025 14:47

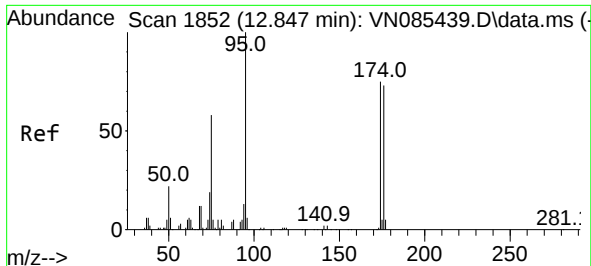
Tgt Ion: 43 Resp: 95718

Ion Ratio Lower Upper

43 100

58 21.1 26.2 78.6#

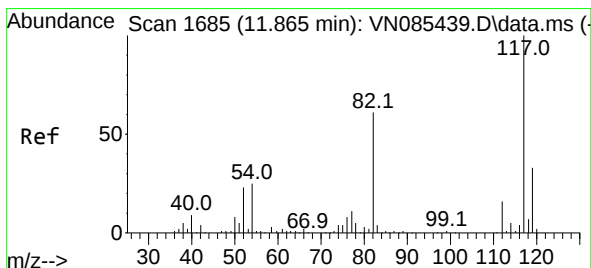
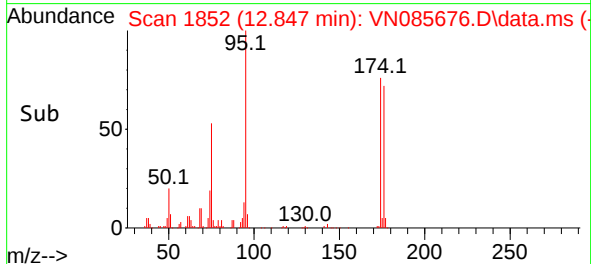
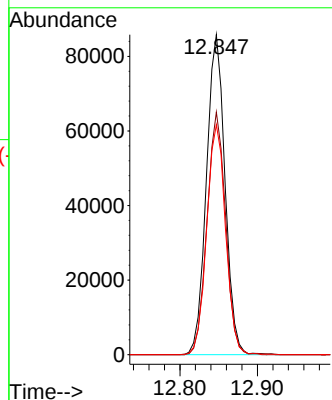
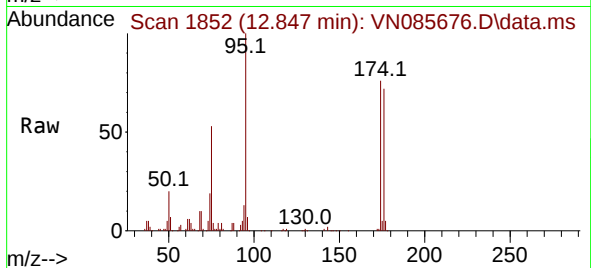




#62
4-Bromofluorobenzene
Concen: 45.561 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

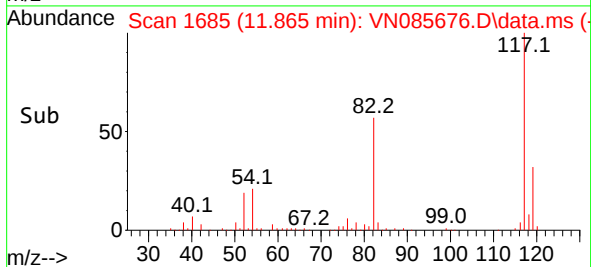
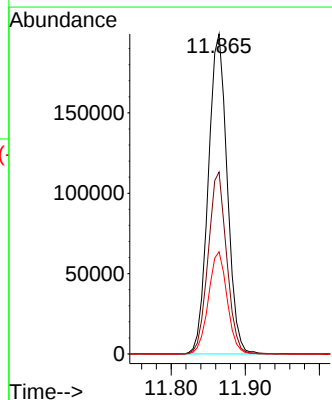
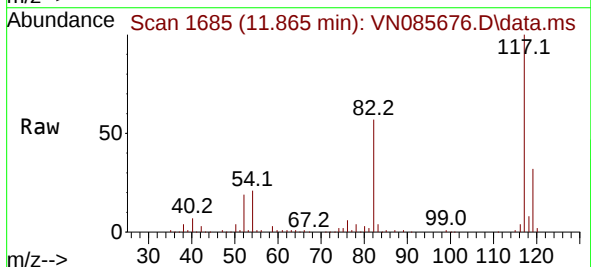
Instrument :
MSVOA_N
ClientSampleId :

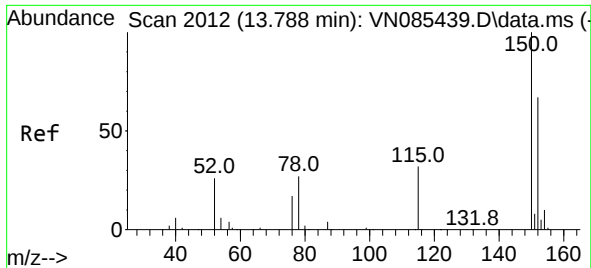
Tgt Ion: 95 Resp: 142897
Ion Ratio Lower Upper
95 100
174 75.9 0.0 145.0
176 72.8 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

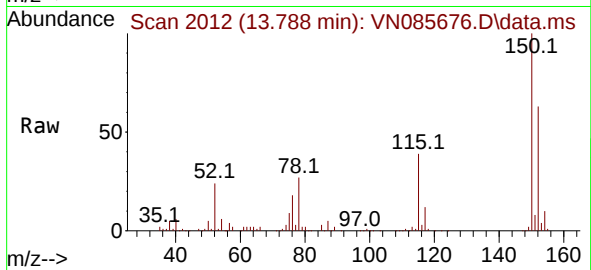
Tgt Ion: 117 Resp: 352444
Ion Ratio Lower Upper
117 100
82 56.8 48.6 72.8
119 32.0 26.6 39.8



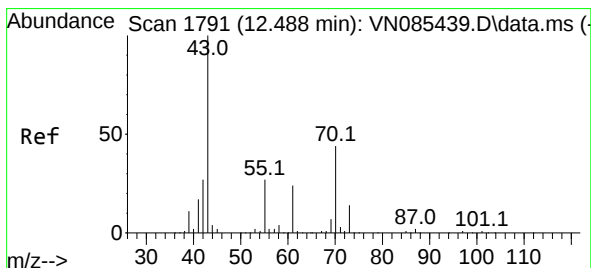
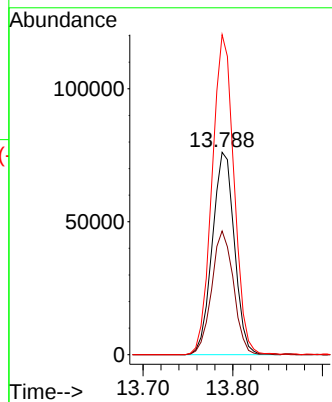
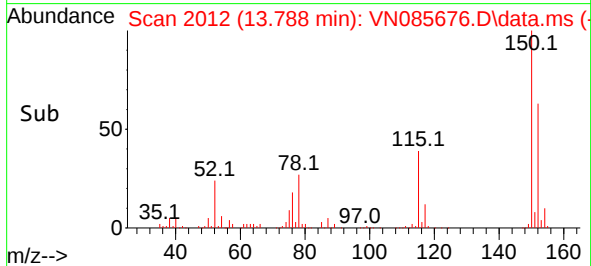


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Instrument :
MSVOA_N
ClientSampleId :

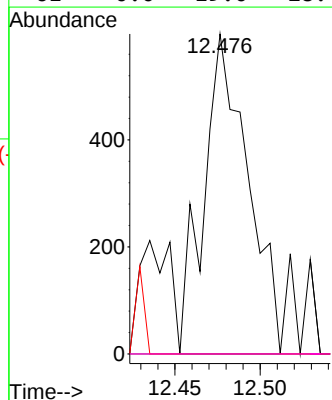
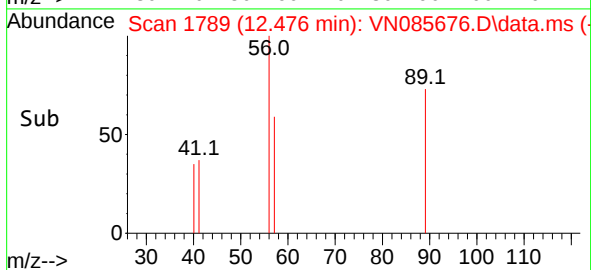
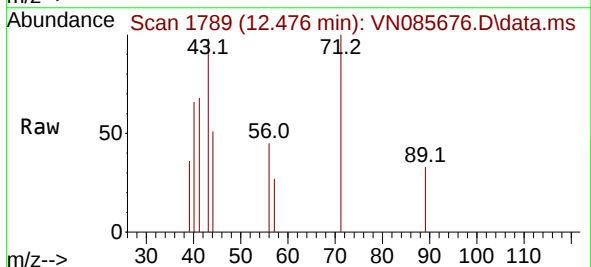


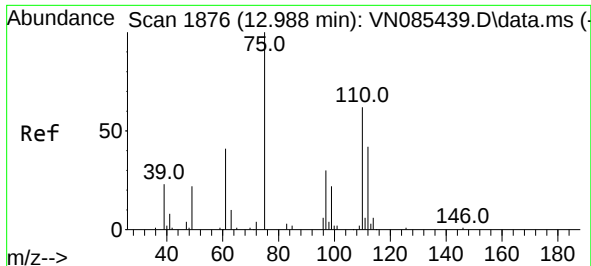
Tgt Ion:152 Resp: 130271
Ion Ratio Lower Upper
152 100
115 60.4 31.1 93.3
150 156.8 0.0 343.6



#74
N-ethyl acetate
Concen: 0.274 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.012 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Tgt Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 0.0 21.4 32.2#
61 0.0 19.0 28.4#

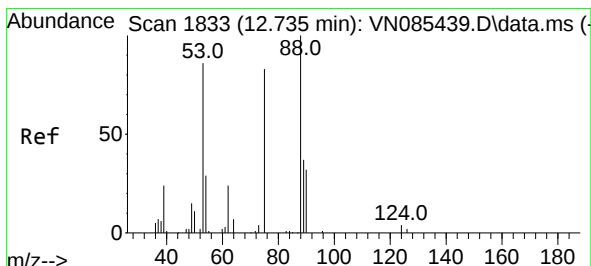
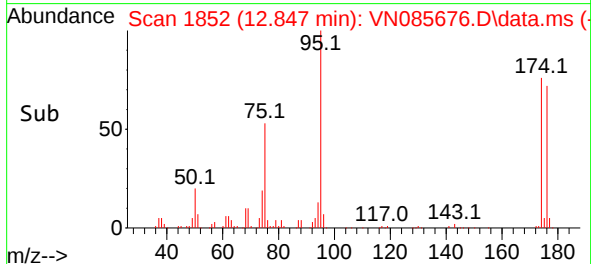
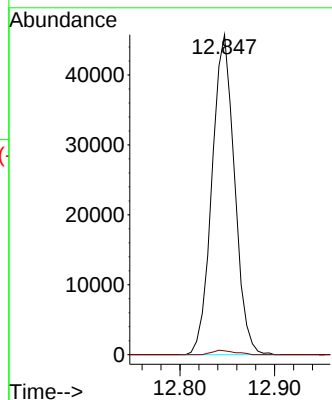
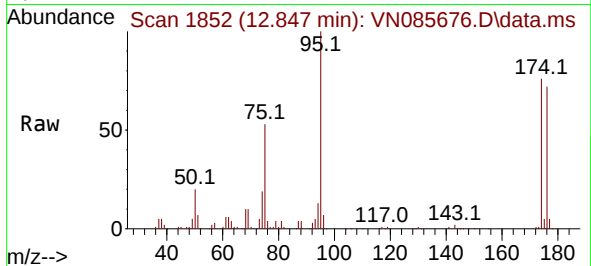




#76
1,2,3-Trichloropropane
Concen: 28.564 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 75631
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.281 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085676.D
Acq: 05 Feb 2025 14:47

Tgt Ion: 75 Resp: 75631
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#

