

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086185.D
 Acq On : 31 Mar 2025 21:28
 Operator : JC\MD
 Sample : Q1674-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 72-11991

Quant Time: Apr 01 01:41:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

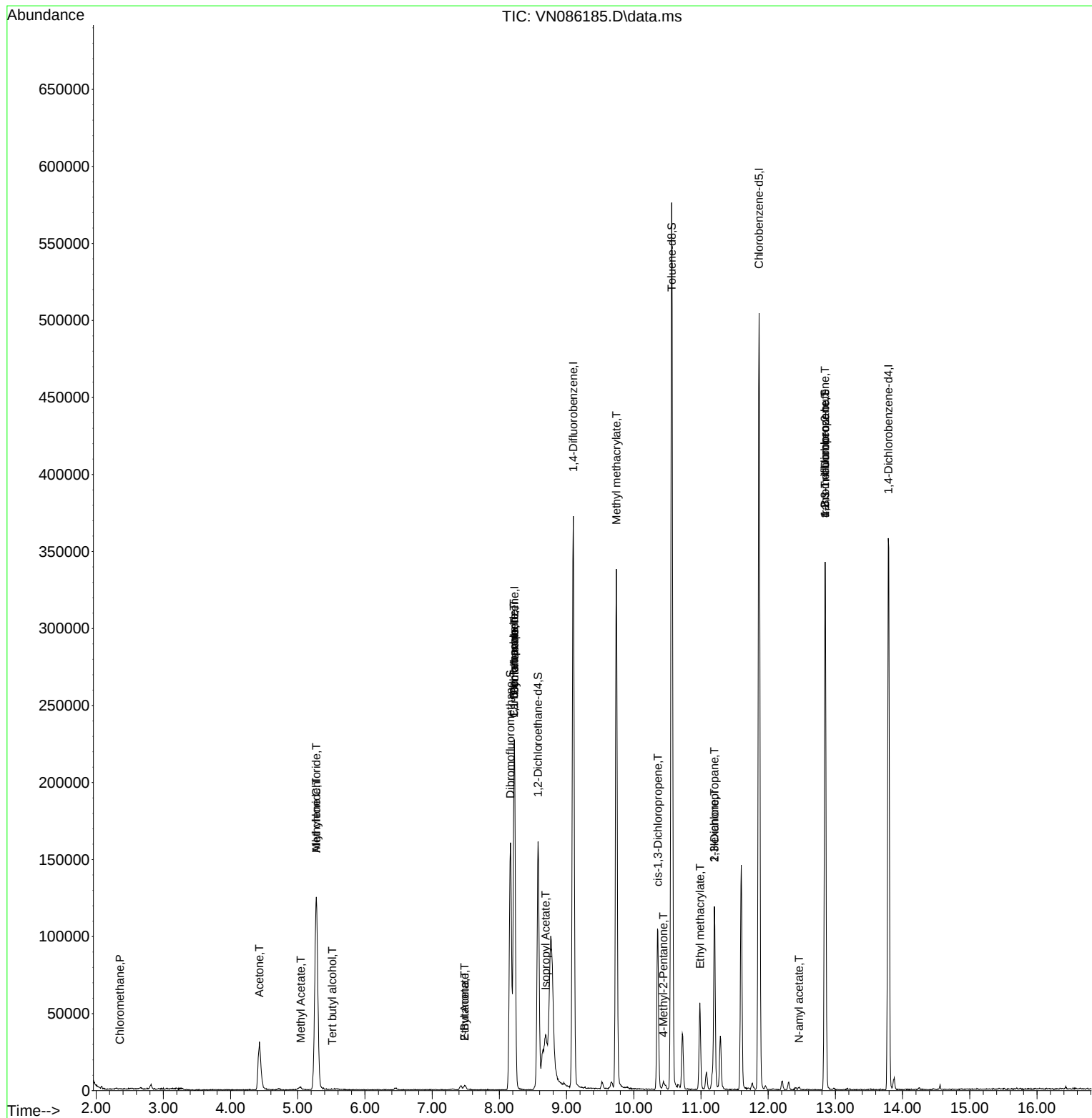
Internal Standards						
1) Pentafluorobenzene	8.224	168	162466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	327287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131716	59.206	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.420%			
35) Dibromofluoromethane	8.165	113	118459	51.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.720%			
50) Toluene-d8	10.565	98	410386	49.499	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.000%			
62) 4-Bromofluorobenzene	12.847	95	119451	40.399	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 80.800%			
Target Compounds					Qvalue	
3) Chloromethane	2.353	50	378	0.200	ug/l #	42
11) Tert butyl alcohol	5.512	59	332	1.054	ug/l #	73
14) Allyl chloride	5.277	41	3107	1.496	ug/l #	20
16) Acetone	4.430	43	56049	82.465	ug/l	99
18) Methyl Acetate	5.047	43	3842	2.285	ug/l	93
20) Methylene Chloride	5.277	84	104784	52.700	ug/l	97
25) 2-Butanone	7.482	43	5195	5.297	ug/l	97
31) Cyclohexane	8.224	56	3300	1.190	ug/l #	23
36) 1,1-Dichloropropene	8.218	75	13184	4.383	ug/l #	48
37) Ethyl Acetate	7.482	43	5195	2.047	ug/l #	64
38) Carbon Tetrachloride	8.218	117	17738	4.485	ug/l #	17
43) Isopropyl Acetate	8.688	43	50261	9.140	ug/l #	58
48) Methyl methacrylate	9.741	41	31082	17.129	ug/l #	34
51) 4-Methyl-2-Pentanone	10.441	43	5741	2.367	ug/l #	57
54) cis-1,3-Dichloropropene	10.359	75	18233	5.041	ug/l #	73
56) Ethyl methacrylate	10.988	69	750	0.456	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	1325	0.353	ug/l #	42
59) 2-Hexanone	11.200	43	22037	12.473	ug/l #	44
74) N-amyl acetate	12.459	43	1536	0.637	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	57286	24.262	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57286	64.145	ug/l #	16

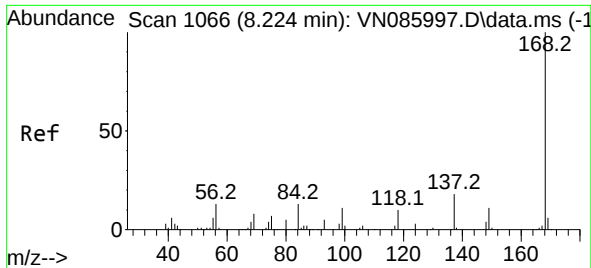
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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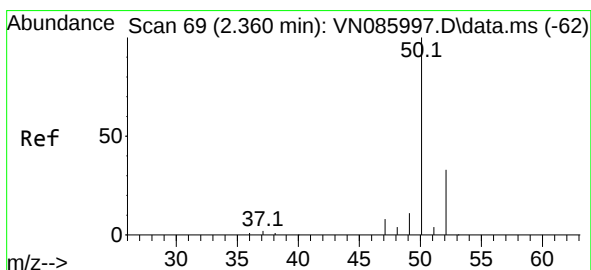
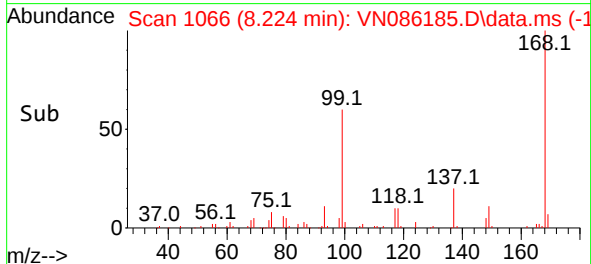
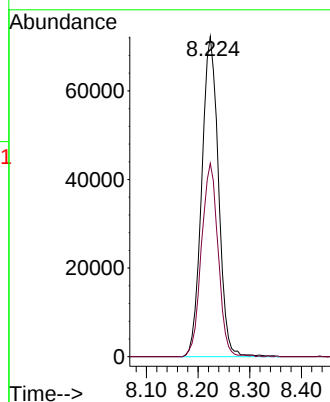
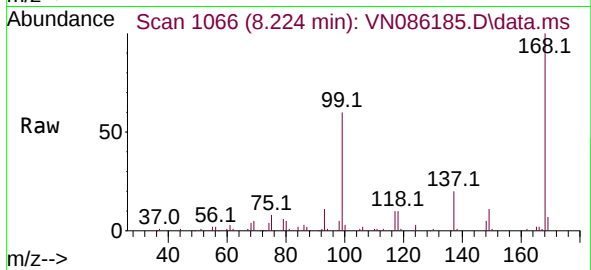




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

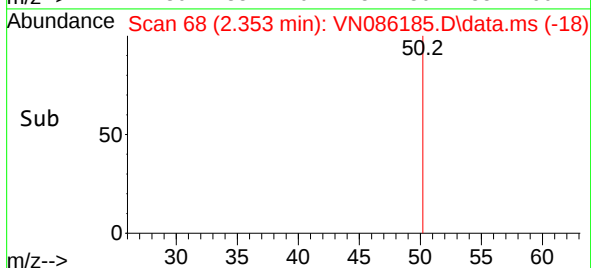
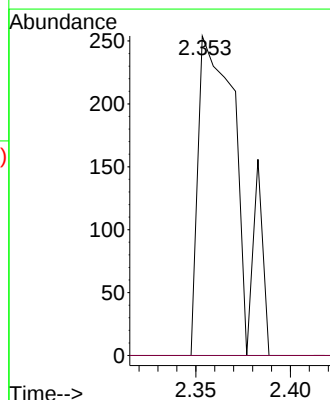
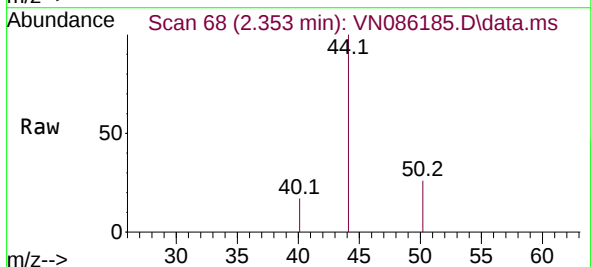
Instrument :
MSVOA_N
ClientSampleId :
72-11991

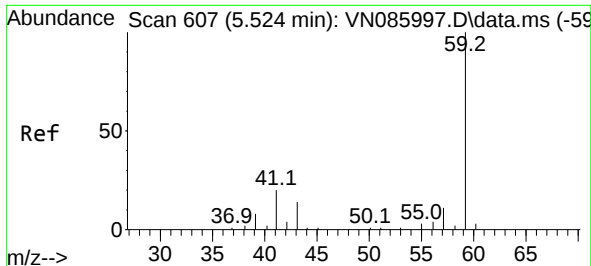
Tgt Ion:168 Resp: 162466
Ion Ratio Lower Upper
168 100
99 60.4 49.4 74.2



#3
Chloromethane
Concen: 0.200 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

Tgt Ion: 50 Resp: 378
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

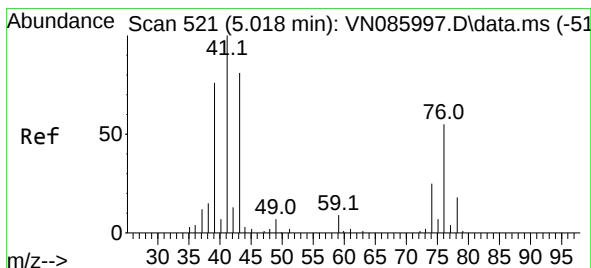
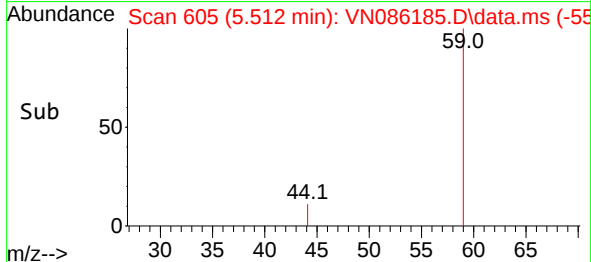
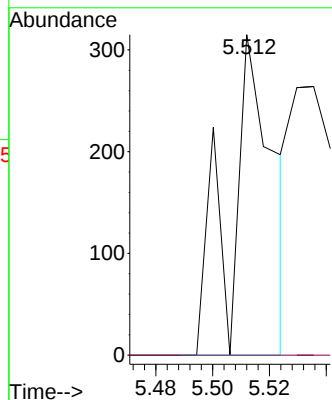
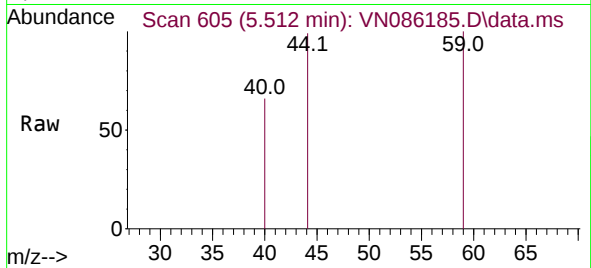




#11
Tert butyl alcohol
Concen: 1.054 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

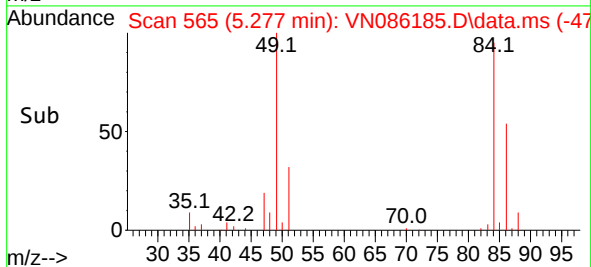
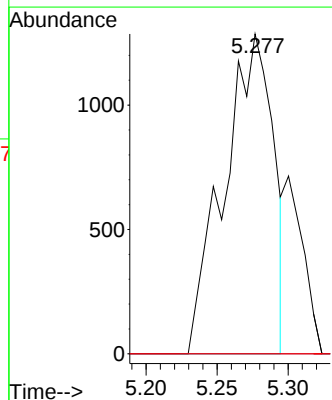
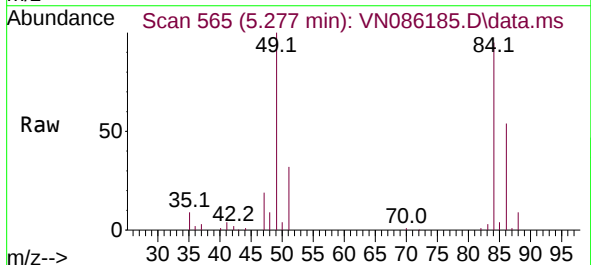
Instrument :
MSVOA_N
ClientSampleId :
72-11991

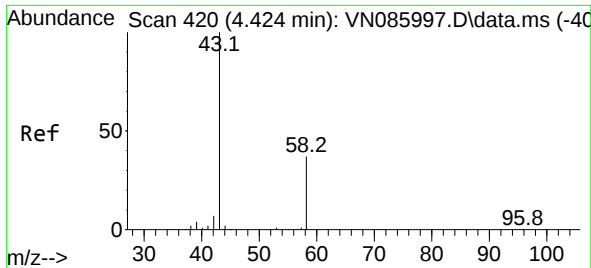
Tgt Ion: 59 Resp: 332
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#14
Allyl chloride
Concen: 1.496 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.259 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

Tgt Ion: 41 Resp: 3107
Ion Ratio Lower Upper
41 100
39 0.0 55.5 83.3#
76 0.0 39.1 58.7#





#16

Acetone

Concen: 82.465 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086185.D

Acq: 31 Mar 2025 21:28

Instrument :

MSVOA_N

ClientSampleId :

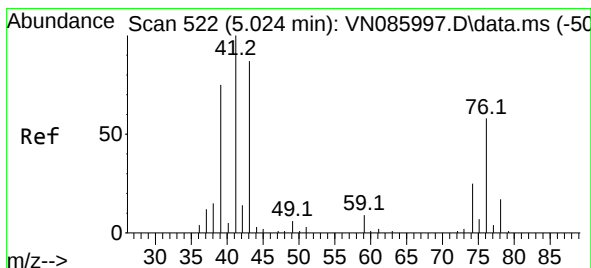
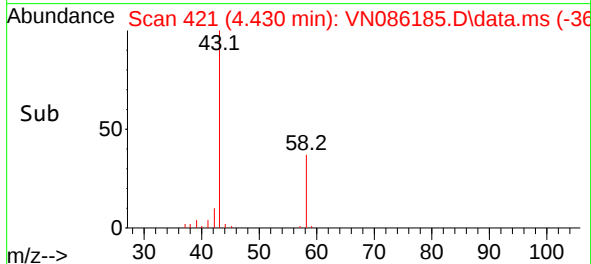
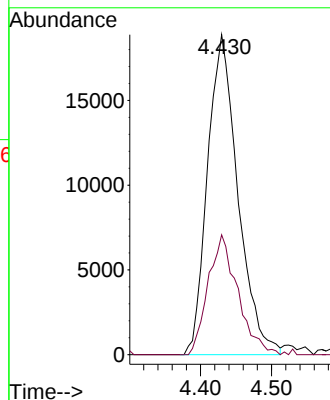
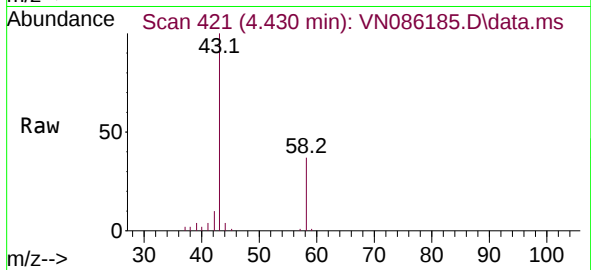
72-11991

Tgt Ion: 43 Resp: 56049

Ion Ratio Lower Upper

43 100

58 37.4 29.4 44.2



#18

Methyl Acetate

Concen: 2.285 ug/l

RT: 5.047 min Scan# 526

Delta R.T. 0.023 min

Lab File: VN086185.D

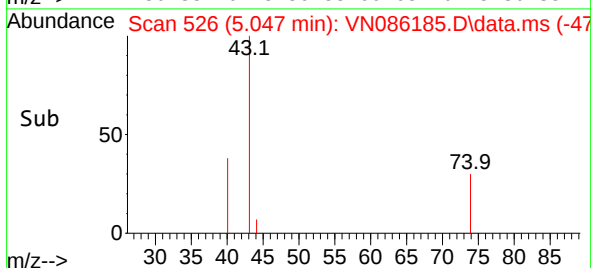
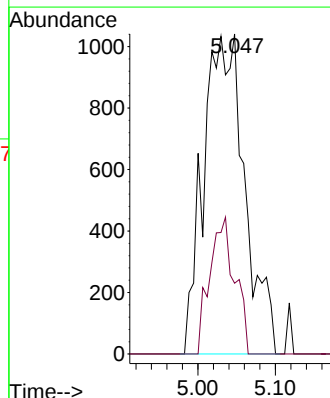
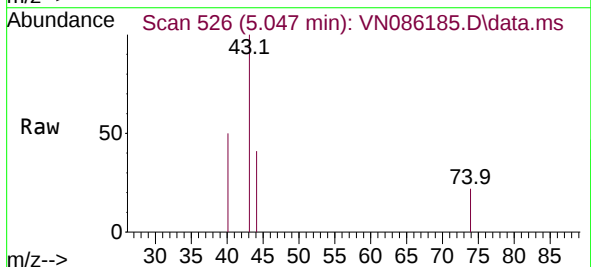
Acq: 31 Mar 2025 21:28

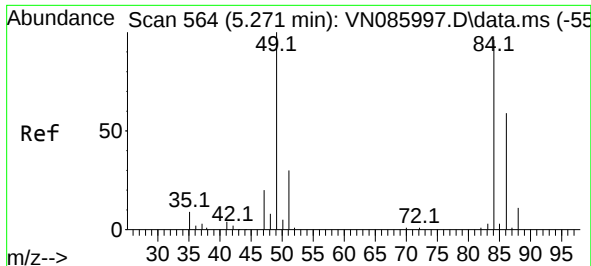
Tgt Ion: 43 Resp: 3842

Ion Ratio Lower Upper

43 100

74 26.1 23.9 35.9





#20

Methylene Chloride

Concen: 52.700 ug/l

RT: 5.277 min Scan# 5

Delta R.T. 0.006 min

Lab File: VN086185.D

Acq: 31 Mar 2025 21:28

Instrument :

MSVOA_N

ClientSampleId :

72-11991

Tgt Ion: 84 Resp: 104784

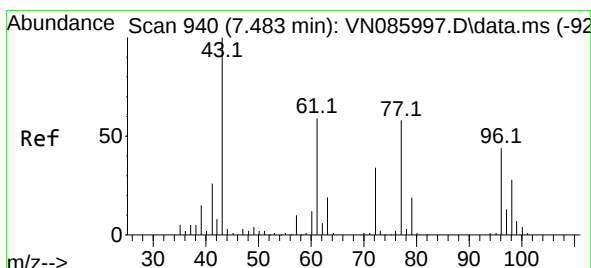
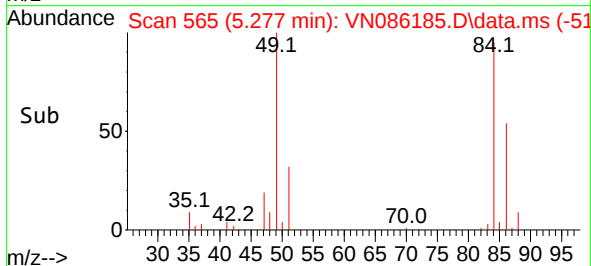
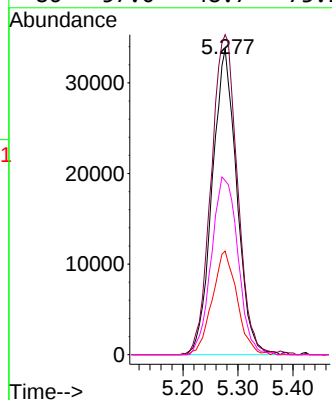
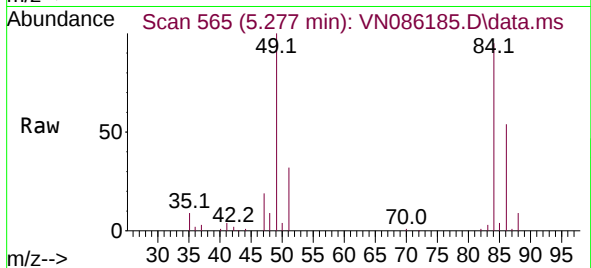
Ion Ratio Lower Upper

84 100

49 104.7 83.3 124.9

51 33.9 24.8 37.2

86 57.0 48.7 73.1



#25

2-Butanone

Concen: 5.297 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086185.D

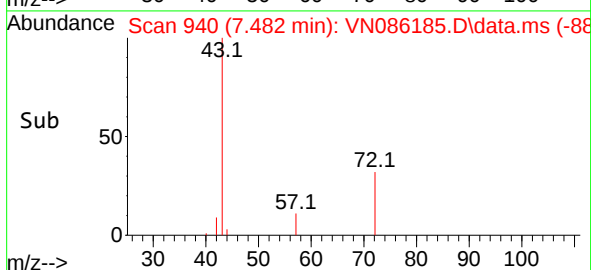
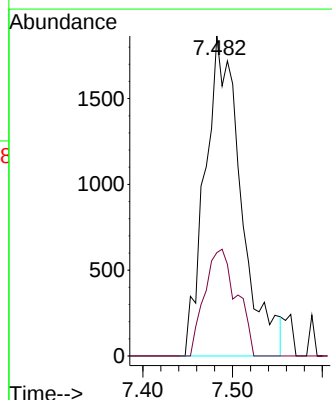
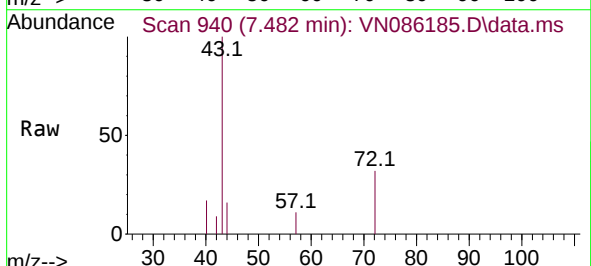
Acq: 31 Mar 2025 21:28

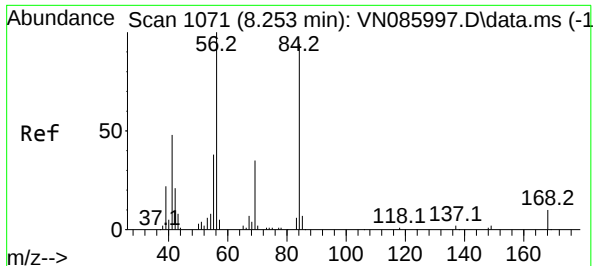
Tgt Ion: 43 Resp: 5195

Ion Ratio Lower Upper

43 100

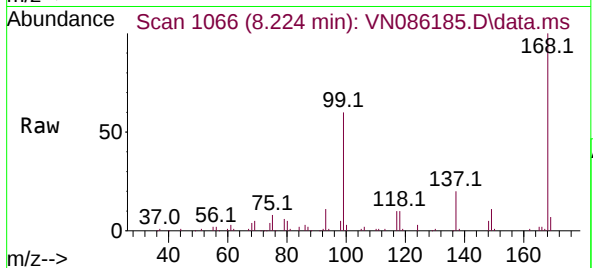
72 32.3 27.4 41.0



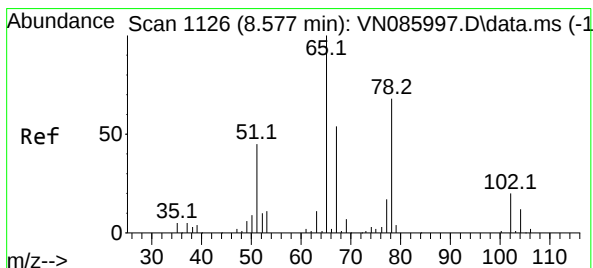
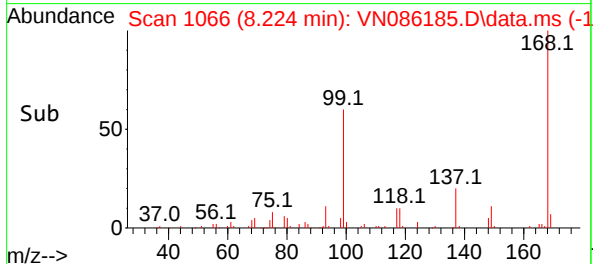
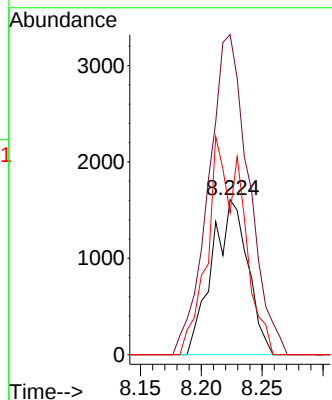


#31
Cyclohexane
Concen: 1.190 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

Instrument :
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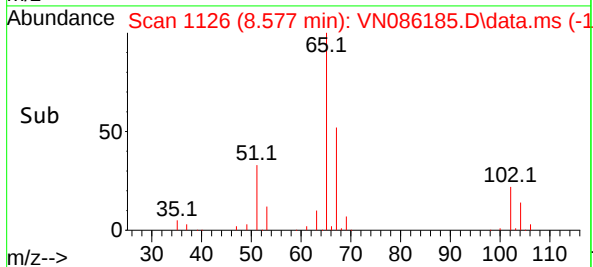
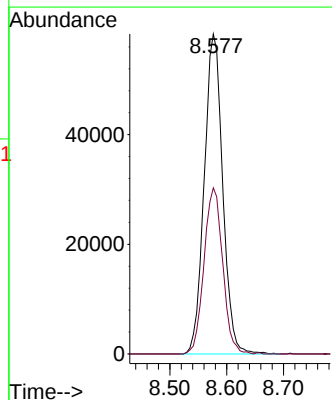
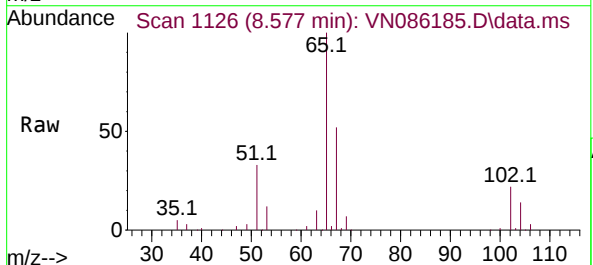


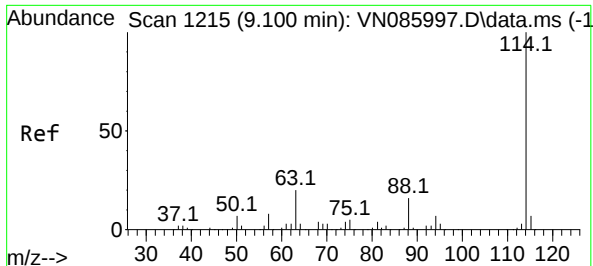
Tgt Ion: 56 Resp: 3300
Ion Ratio Lower Upper
56 100
69 195.4 28.0 42.0#
84 91.6 75.0 112.6



#33
1,2-Dichloroethane-d4
Concen: 59.206 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

Tgt Ion: 65 Resp: 131716
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.2

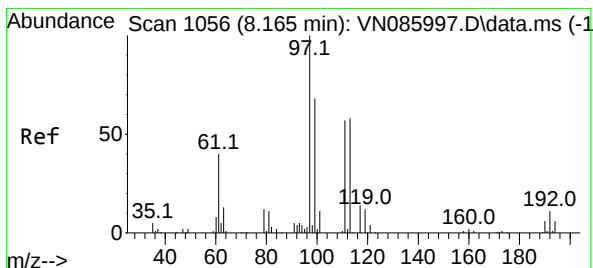
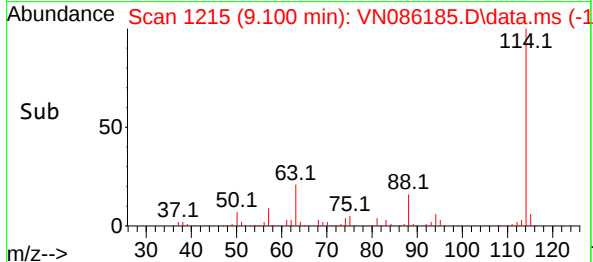
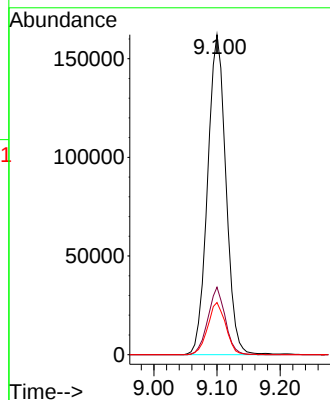
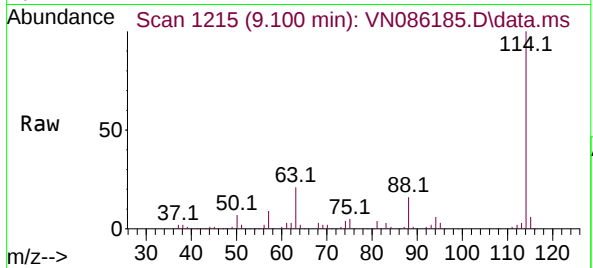




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

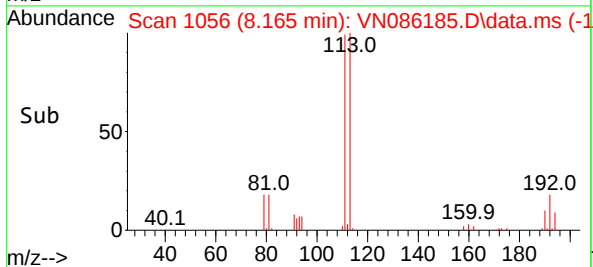
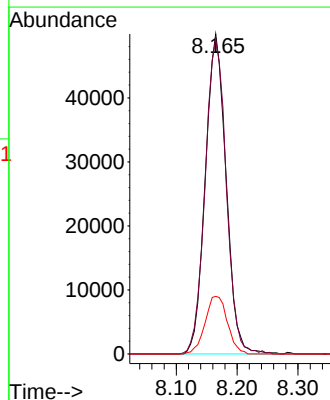
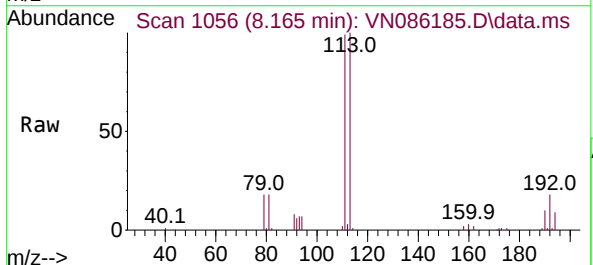
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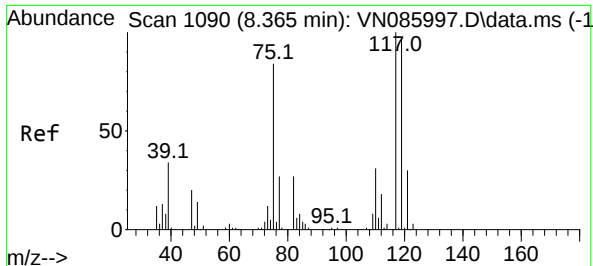
Tgt Ion:114 Resp: 327287
Ion Ratio Lower Upper
114 100
63 21.1 0.0 39.6
88 16.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.855 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

Tgt Ion:113 Resp: 118459
Ion Ratio Lower Upper
113 100
111 100.2 81.8 122.8
192 19.3 15.9 23.9

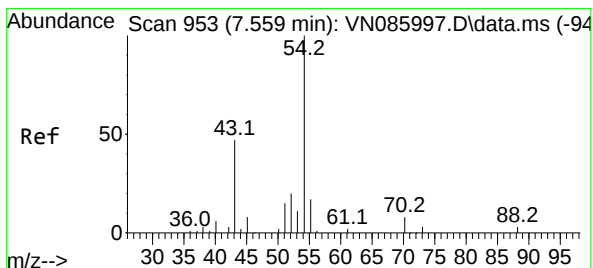
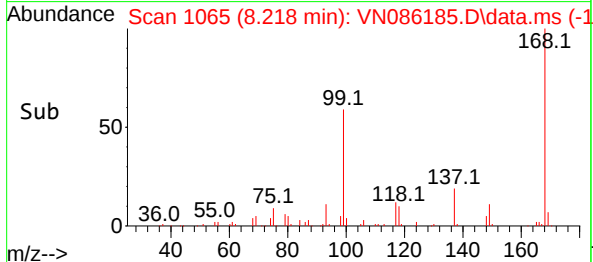
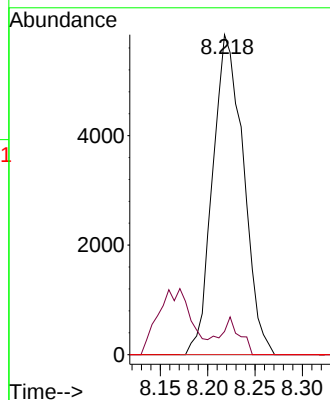
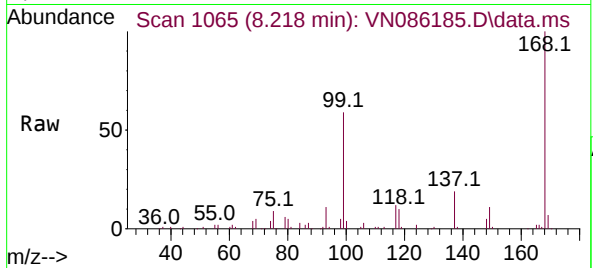




#36
1,1-Dichloropropene
Concen: 4.383 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

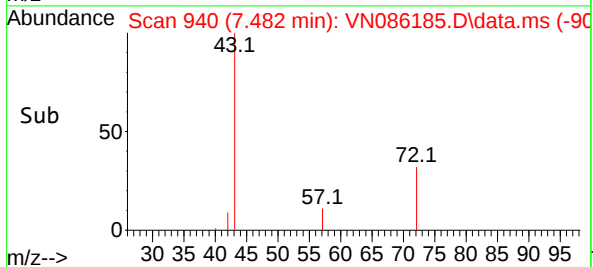
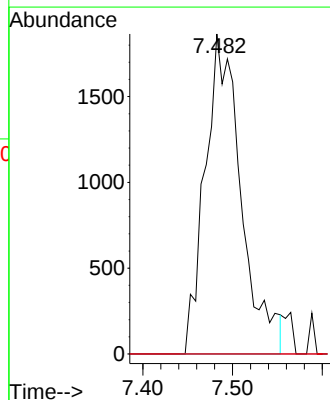
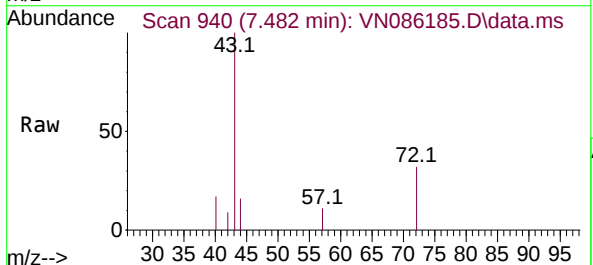
Instrument :
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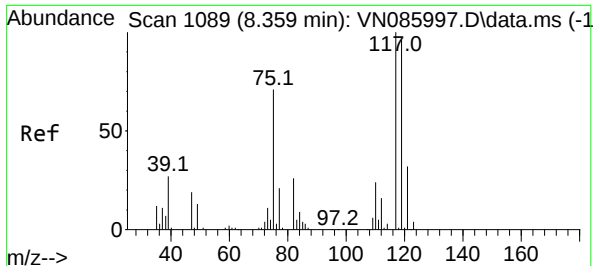
Tgt Ion: 75 Resp: 13184
Ion Ratio Lower Upper
75 100
110 7.5 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.047 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.077 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

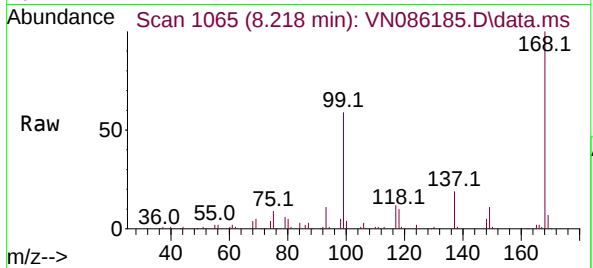
Tgt Ion: 43 Resp: 5195
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#



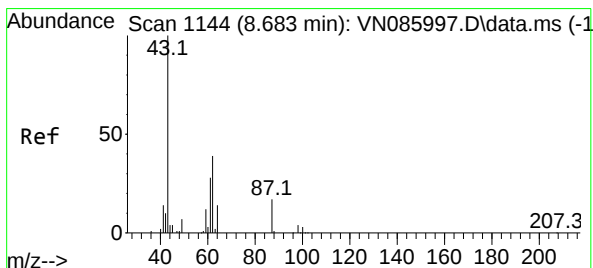
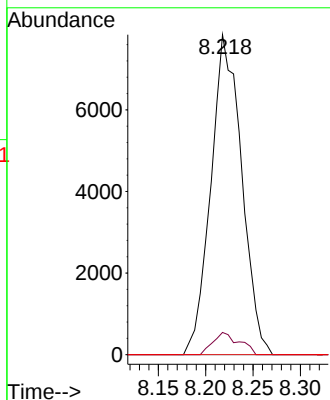
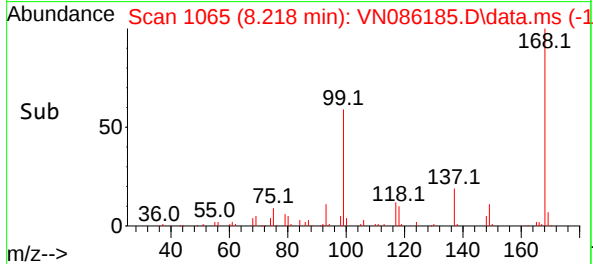


#38
Carbon Tetrachloride
Concen: 4.485 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

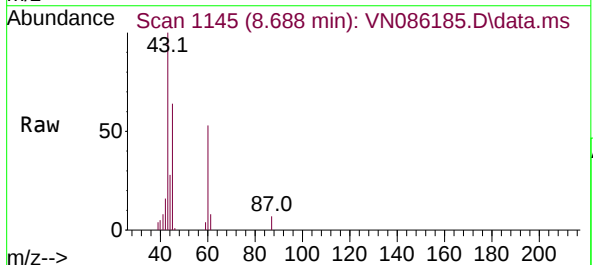
Instrument :
MSVOA_N
ClientSampleId :
72-11991



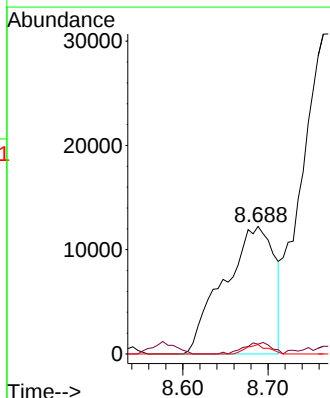
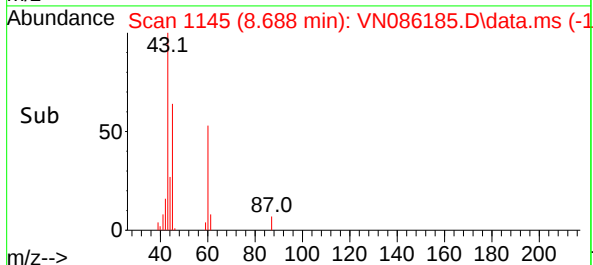
Tgt Ion:117 Resp: 17738
Ion Ratio Lower Upper
117 100
119 7.0 77.0 115.4#
121 0.0 25.6 38.4#

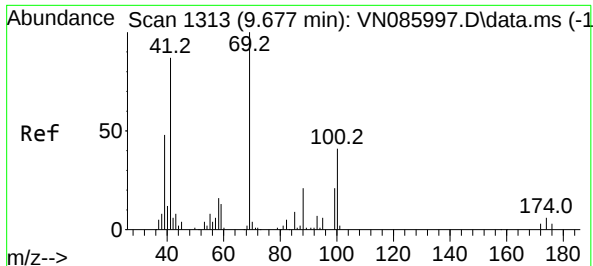


#43
Isopropyl Acetate
Concen: 9.140 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28



Tgt Ion: 43 Resp: 50261
Ion Ratio Lower Upper
43 100
61 4.9 25.0 37.6#
87 3.2 13.0 19.4#

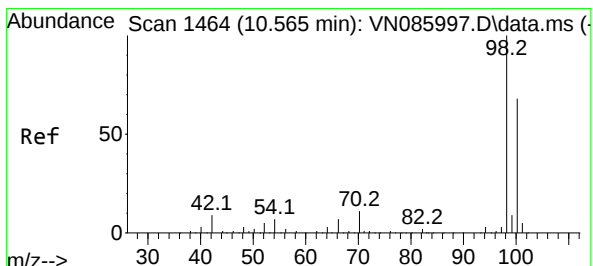
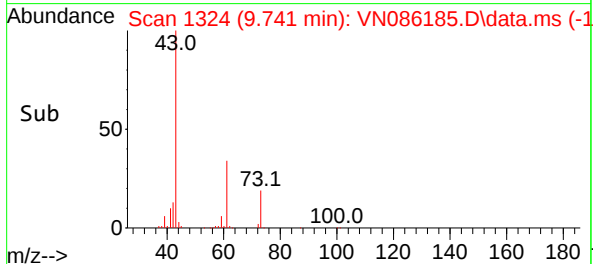
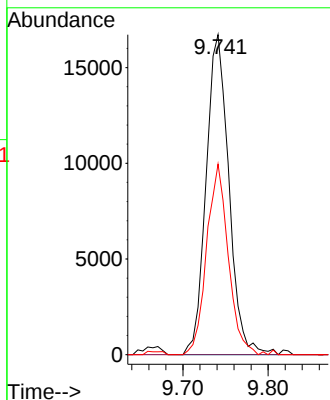
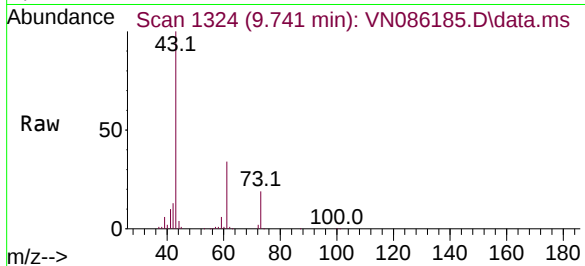




#48
Methyl methacrylate
Concen: 17.129 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.064 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

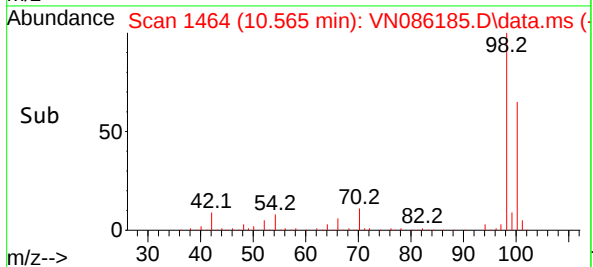
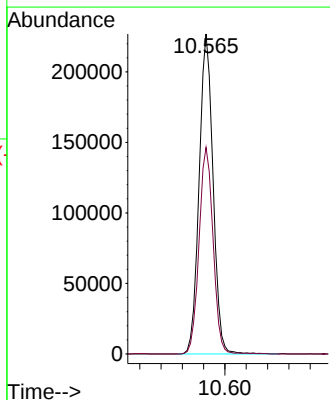
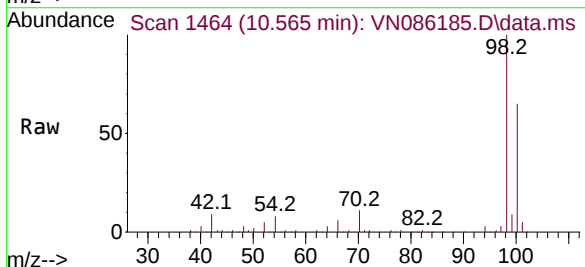
Instrument :
MSVOA_N
ClientSampleId :
72-11991

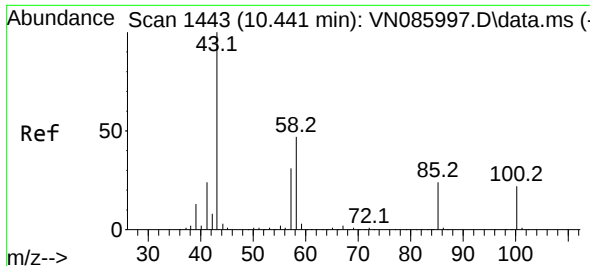
Tgt Ion: 41 Resp: 31082
Ion Ratio Lower Upper
41 100
69 0.0 83.1 124.7#
39 56.5 45.6 68.4



#50
Toluene-d8
Concen: 49.499 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

Tgt Ion: 98 Resp: 410386
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7

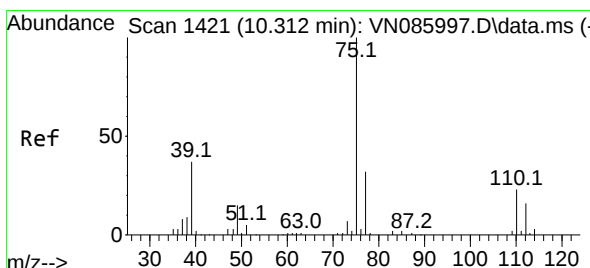
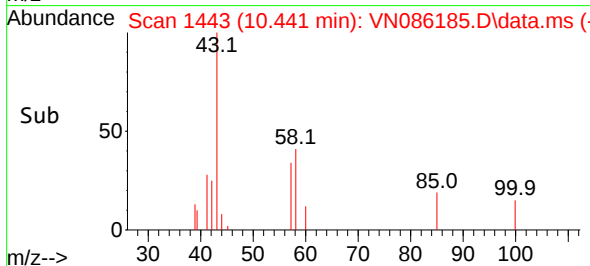
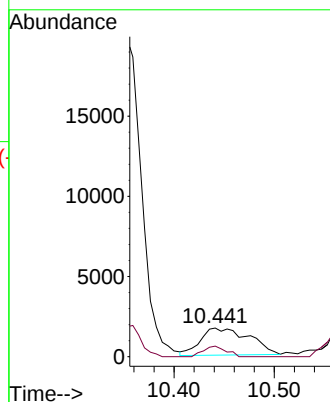
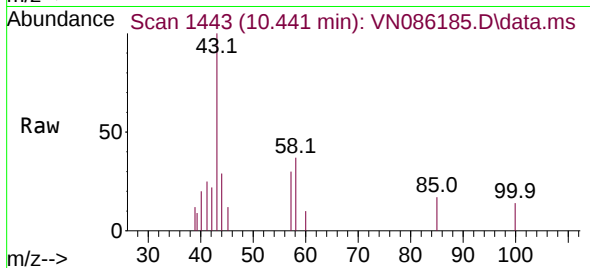




#51
4-Methyl-2-Pentanone
Concen: 2.367 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

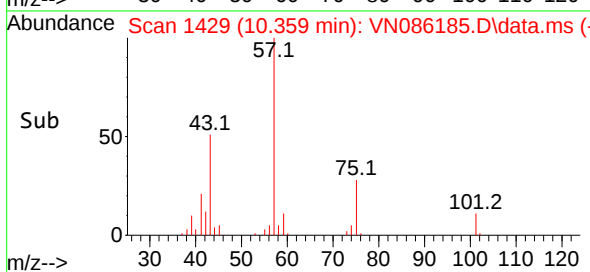
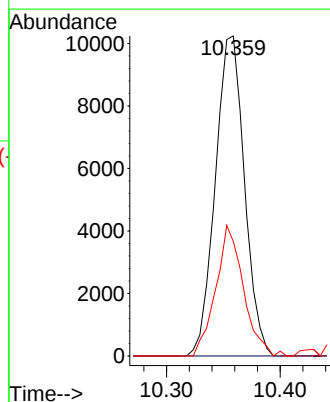
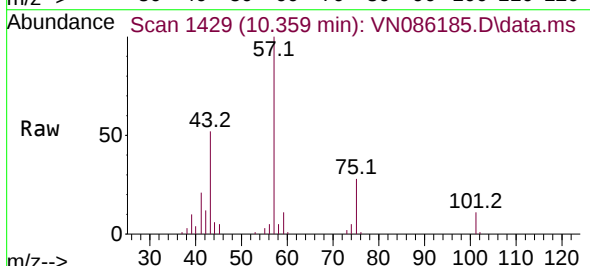
Instrument :
MSVOA_N
ClientSampleId :
72-11991

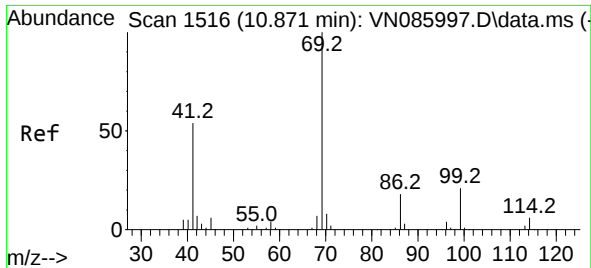
Tgt Ion: 43 Resp: 5741
Ion Ratio Lower Upper
43 100
58 18.1 37.4 56.0#



#54
cis-1,3-Dichloropropene
Concen: 5.041 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

Tgt Ion: 75 Resp: 18233
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 35.8 29.6 44.4

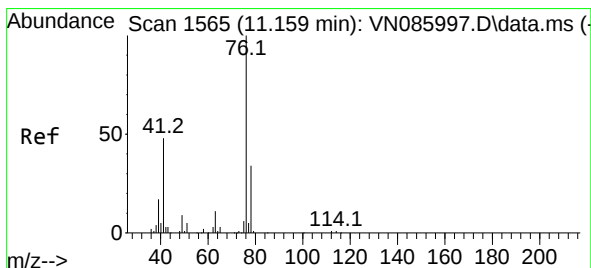
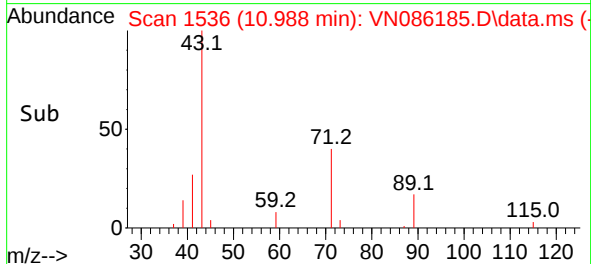
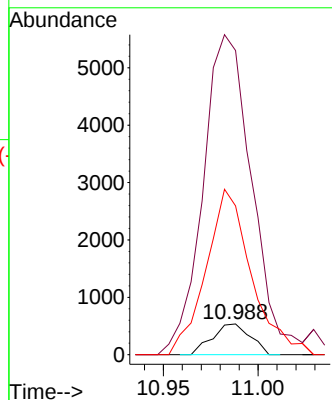
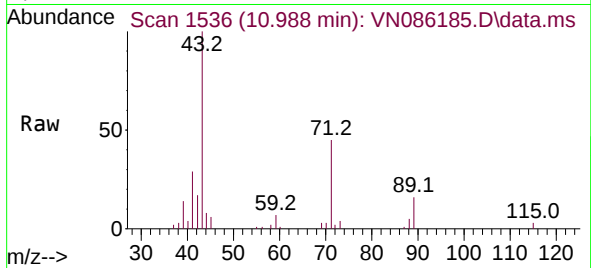




#56
Ethyl methacrylate
Concen: 0.456 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

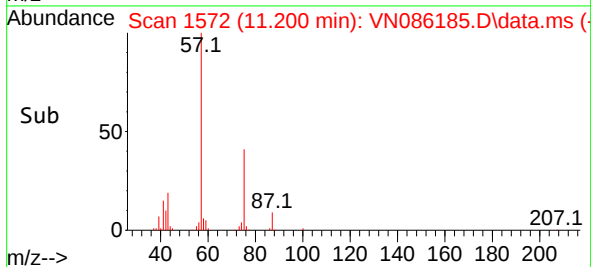
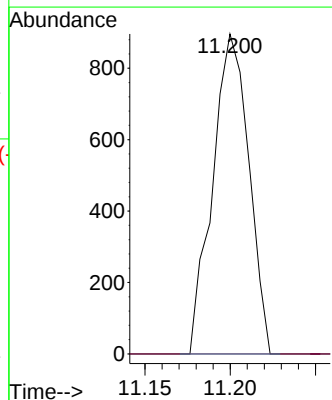
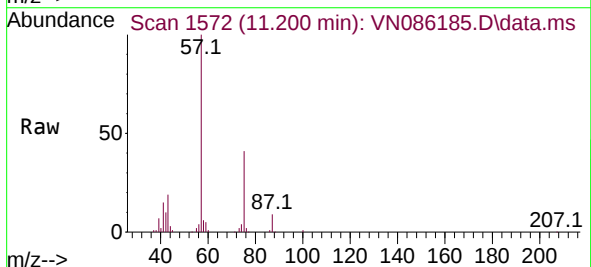
Instrument :
MSVOA_N
ClientSampleId :
72-11991

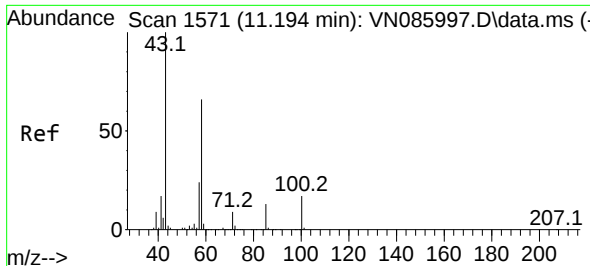
Tgt Ion: 69 Resp: 750
Ion Ratio Lower Upper
69 100
41 1333.6 41.6 62.4#
39 641.6 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 0.353 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

Tgt Ion: 76 Resp: 1325
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

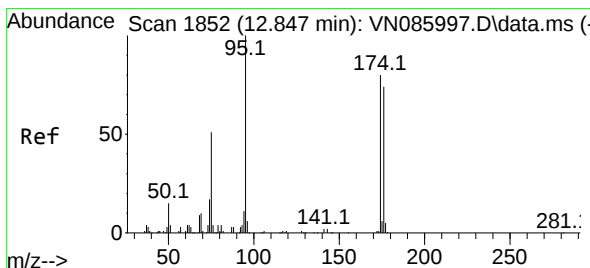
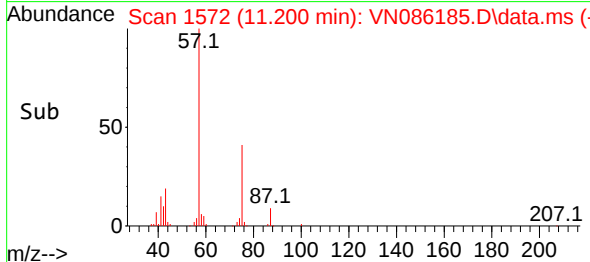
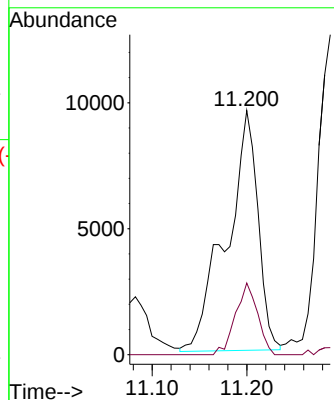
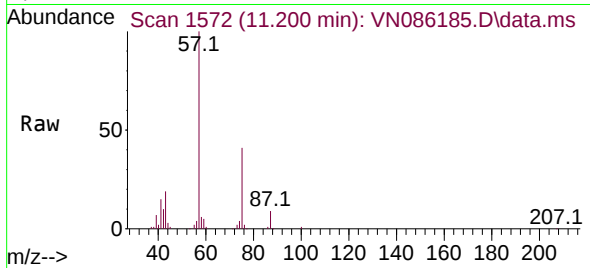




#59
2-Hexanone
Concen: 12.473 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

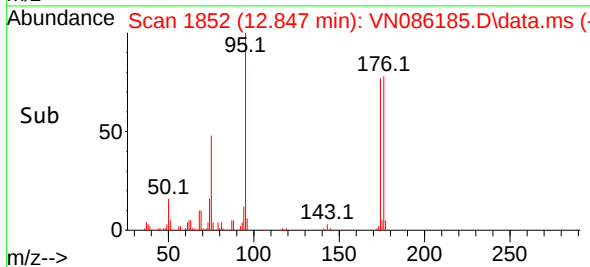
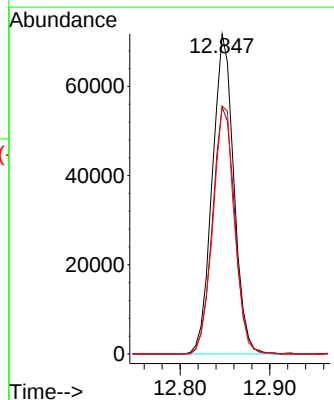
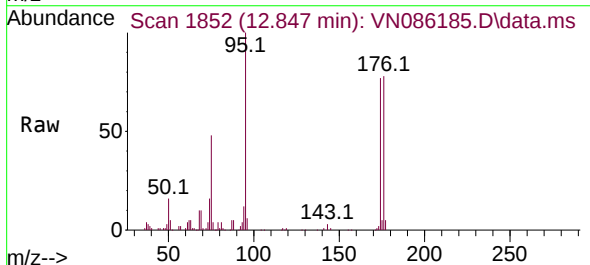
Instrument :
MSVOA_N
ClientSampleId :
72-11991

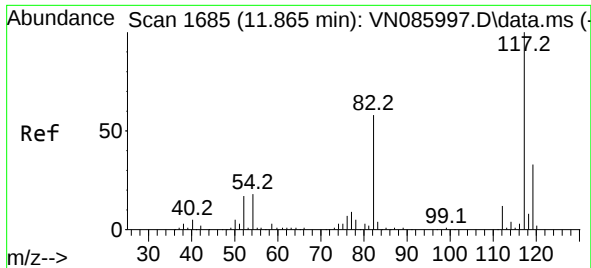
Tgt Ion: 43 Resp: 22037
Ion Ratio Lower Upper
43 100
58 20.8 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 40.399 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

Tgt Ion: 95 Resp: 119451
Ion Ratio Lower Upper
95 100
174 79.8 0.0 156.8
176 78.2 0.0 152.2

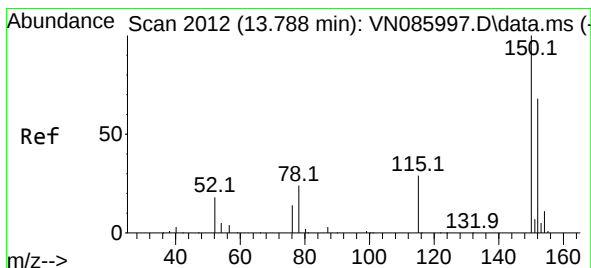
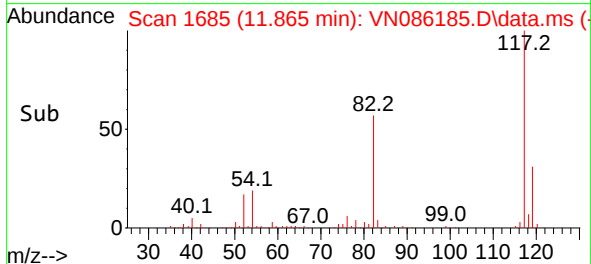
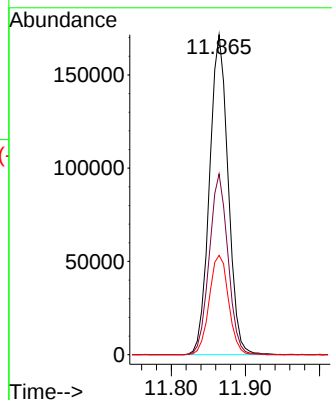
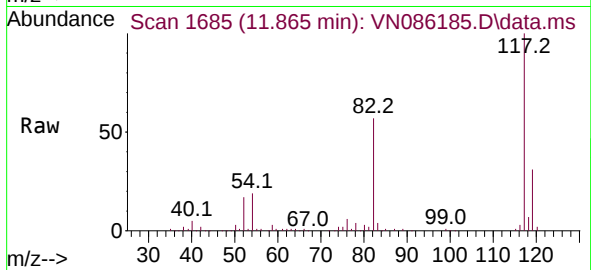




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

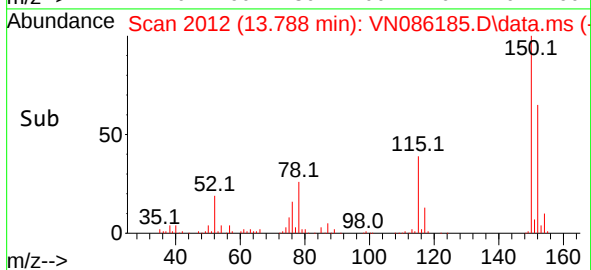
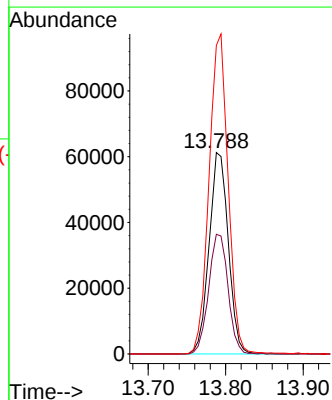
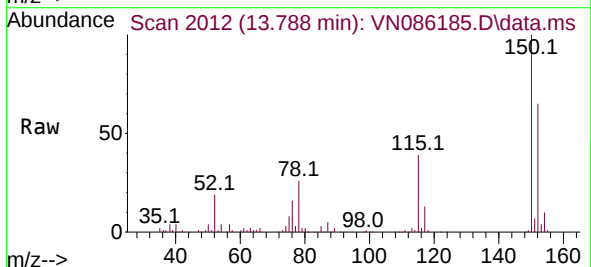
Instrument :
MSVOA_N
ClientSampleId :
72-11991

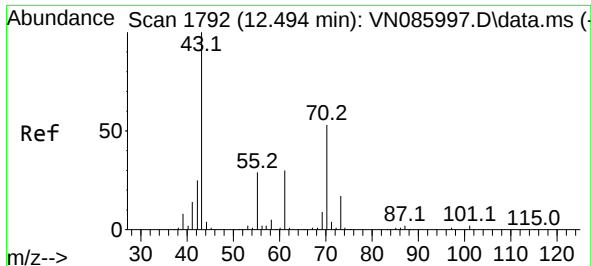
Tgt Ion:117 Resp: 299534
Ion Ratio Lower Upper
117 100
82 56.5 46.7 70.1
119 31.0 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

Tgt Ion:152 Resp: 105464
Ion Ratio Lower Upper
152 100
115 59.8 31.1 93.2
150 157.7 0.0 359.6

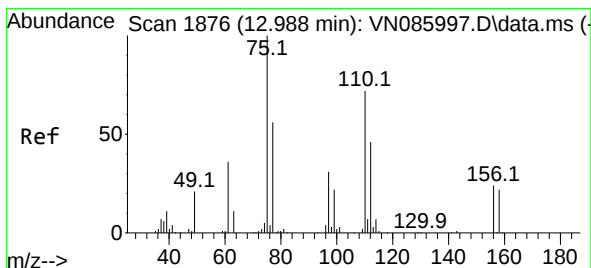
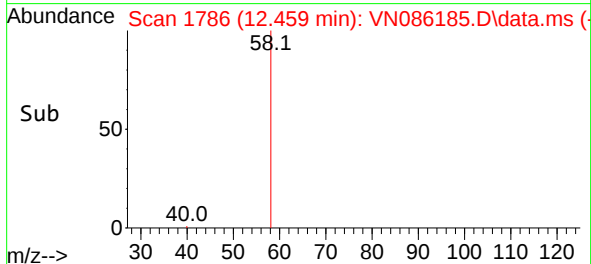
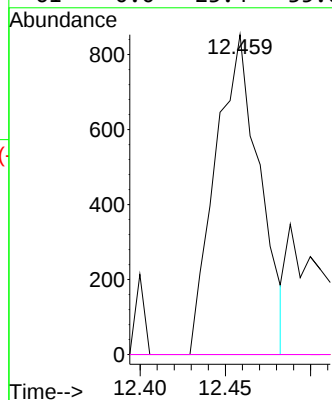
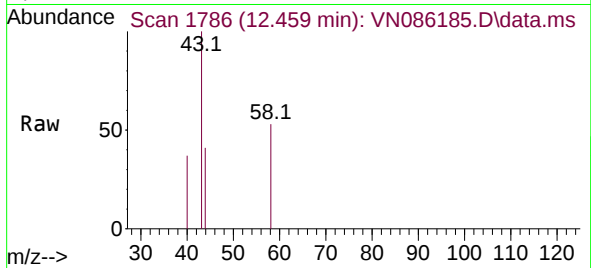




#74
N-amy1 acetate
Concen: 0.637 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.036 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

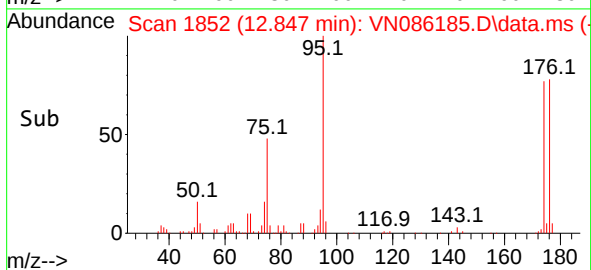
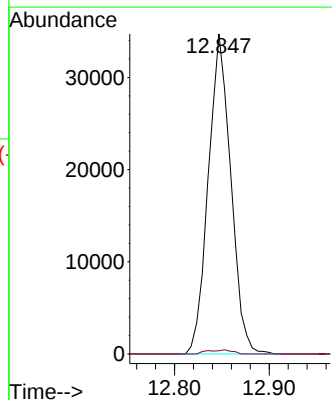
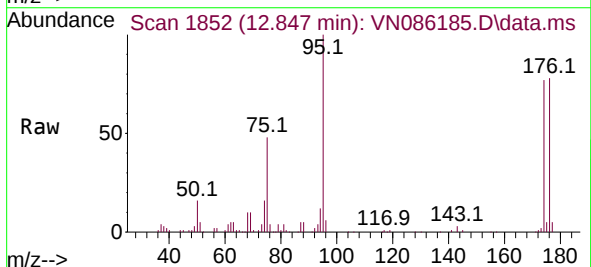
Instrument :
MSVOA_N
ClientSampleId :
72-11991

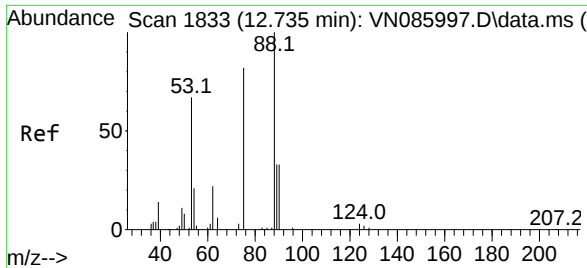
Tgt Ion: 43	Resp:	1536
Ion Ratio	Lower	Upper
43	100	
70	0.0	43.0 64.4#
55	0.0	23.8 35.8#
61	0.0	23.4 35.0#



#76
1,2,3-Trichloropropane
Concen: 24.262 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086185.D
Acq: 31 Mar 2025 21:28

Tgt Ion: 75	Resp:	57286
Ion Ratio	Lower	Upper
75	100	
77	1.4	83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.145 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086185.D
 Acq: 31 Mar 2025 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 72-11991

Tgt Ion: 75 Resp: 57286
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.0 99.0#
 89 0.0 36.9 55.3#

