

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086186.D
 Acq On : 31 Mar 2025 21:52
 Operator : JC\MD
 Sample : Q1679-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Quant Time: Apr 01 01:41:22 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)

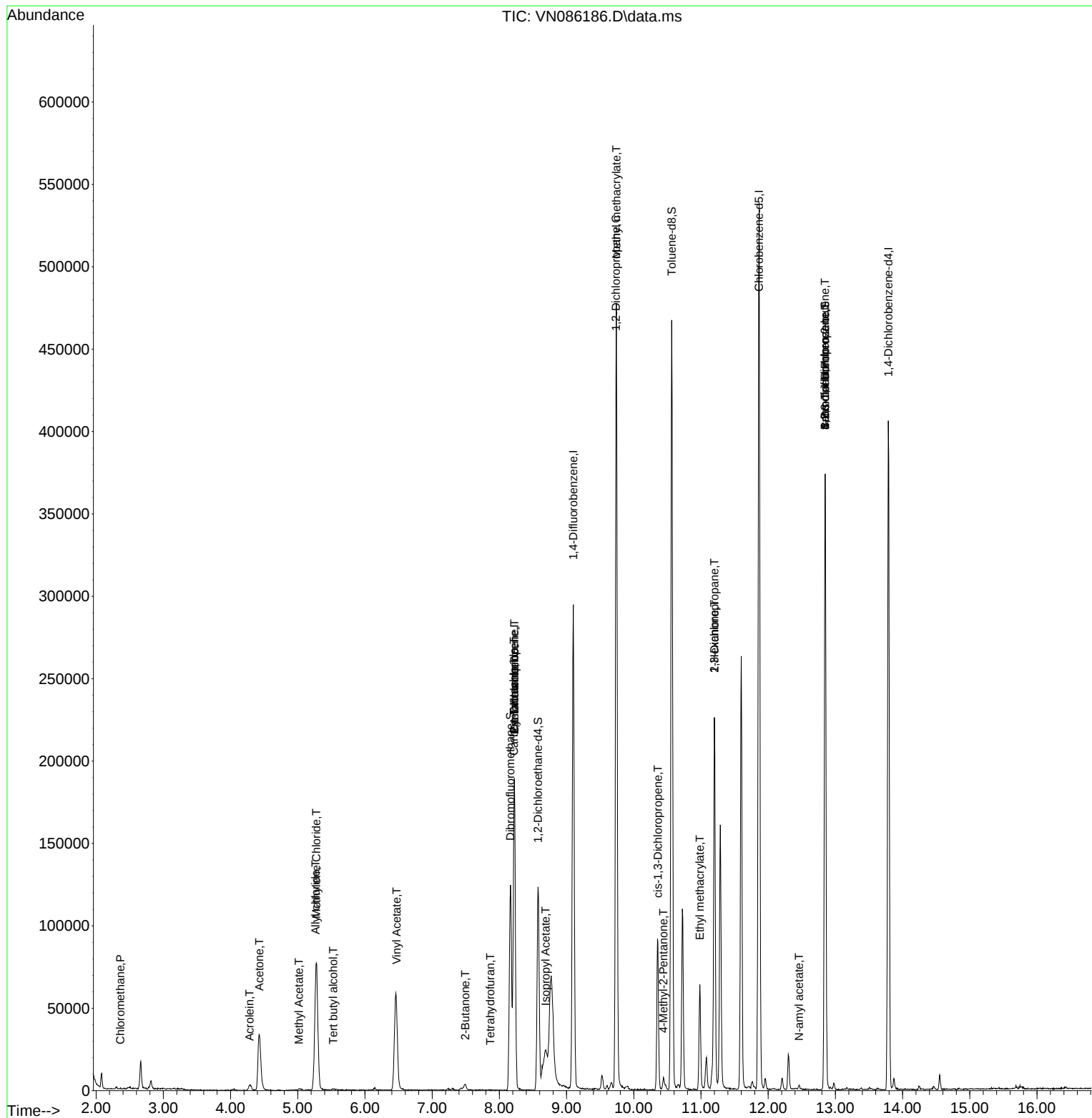
Internal Standards						
1) Pentafluorobenzene	8.224	168	133520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	248623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104105	56.940	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.880%			
35) Dibromofluoromethane	8.165	113	89699	51.689	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.380%			
50) Toluene-d8	10.565	98	328690	52.188	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.380%			
62) 4-Bromofluorobenzene	12.847	95	130221	57.976	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.960%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	353	0.228	ug/l #	42
11) Tert butyl alcohol	5.530	59	1235	4.771	ug/l #	73
13) Acrolein	4.283	56	166	0.601	ug/l #	55
14) Allyl chloride	5.265	41	903	0.529	ug/l #	20
16) Acetone	4.430	43	64442	115.368	ug/l	98
18) Methyl Acetate	5.018	43	2039	1.475	ug/l #	60
20) Methylene Chloride	5.277	84	65421	40.036	ug/l	96
23) Vinyl Acetate	6.471	43	1294	0.469	ug/l #	66
25) 2-Butanone	7.494	43	6691	8.302	ug/l	91
29) Tetrahydrofuran	7.865	42	174	0.350	ug/l #	24
31) Cyclohexane	8.224	56	2644	1.161	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	10970	4.801	ug/l #	48
38) Carbon Tetrachloride	8.218	117	14415	4.798	ug/l #	18
43) Isopropyl Acetate	8.688	43	36324	8.696	ug/l #	62
45) 1,2-Dichloropropane	9.735	63	559	0.343	ug/l #	44
48) Methyl methacrylate	9.741	41	43283	31.399	ug/l #	33
51) 4-Methyl-2-Pentanone	10.441	43	7079	3.842	ug/l #	66
54) cis-1,3-Dichloropropene	10.359	75	17057	6.208	ug/l #	74
56) Ethyl methacrylate	10.982	69	675	0.506	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2315	0.811	ug/l #	42
59) 2-Hexanone	11.200	43	38403	28.614	ug/l #	43
71) Bromoform	12.847	173	825	0.363	ug/l #	1
74) N-amyl acetate	12.459	43	2418	0.893	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	63397	23.889	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63397	63.158	ug/l #	16

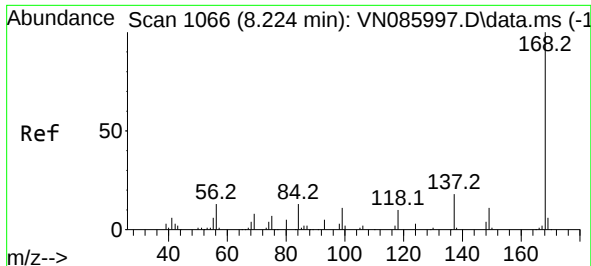
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
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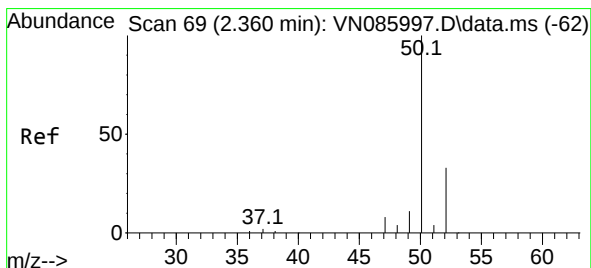
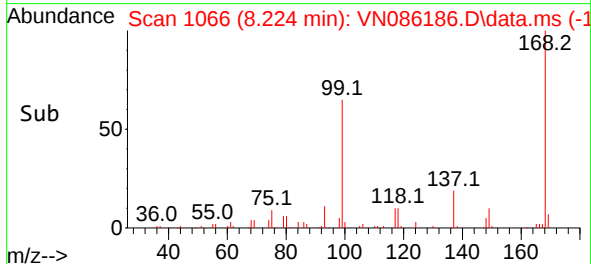
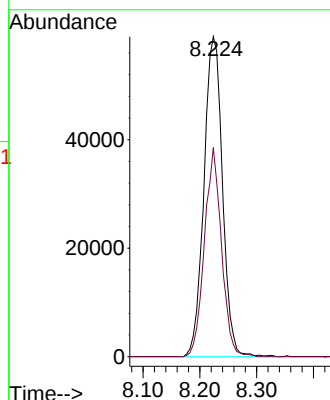
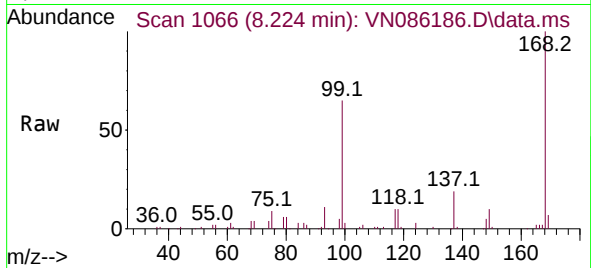




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

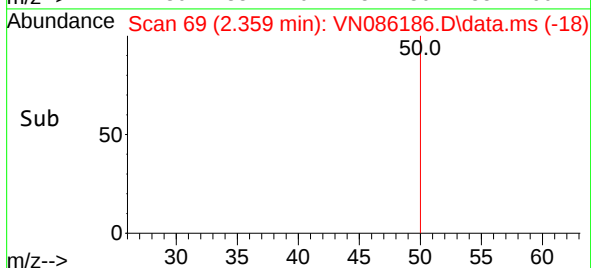
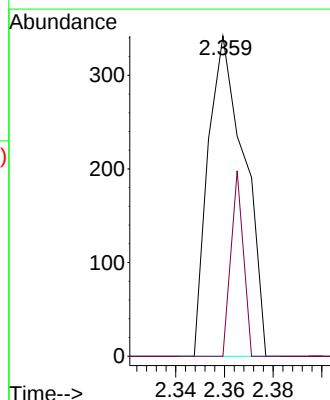
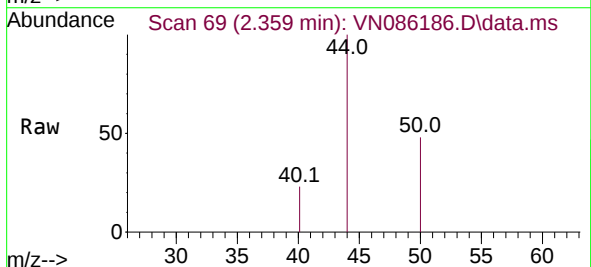
Instrument :
MSVOA_N
ClientSampleId :
TP-10

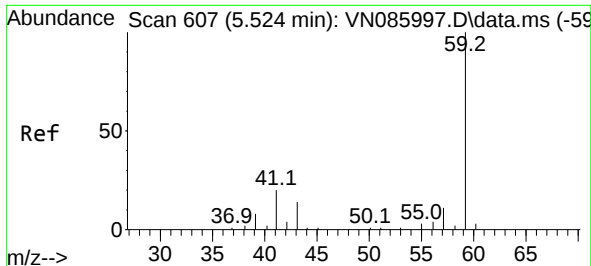
Tgt Ion:168 Resp: 133520
Ion Ratio Lower Upper
168 100
99 65.3 49.4 74.2



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

Tgt Ion: 50 Resp: 353
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

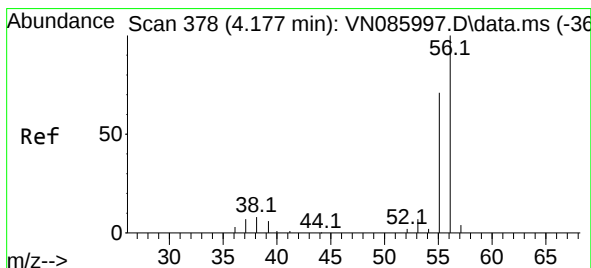
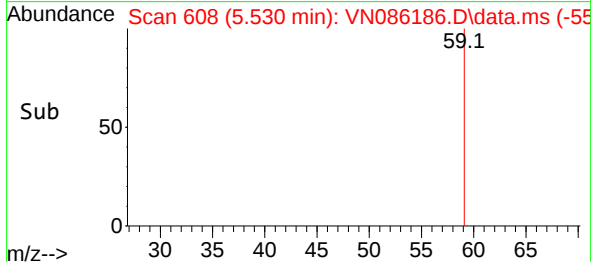
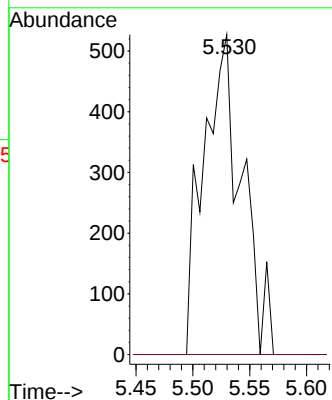
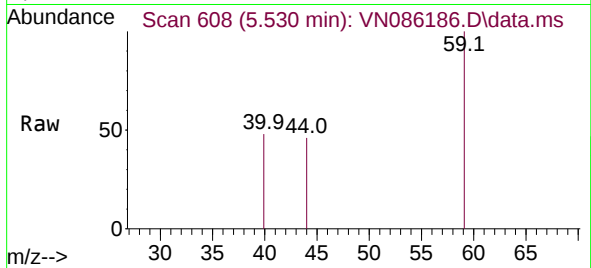




#11
Tert butyl alcohol
Concen: 4.771 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

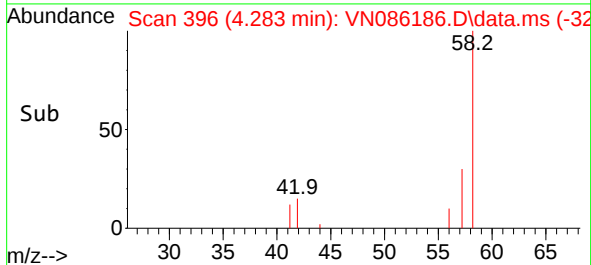
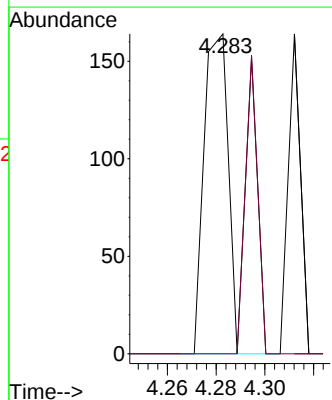
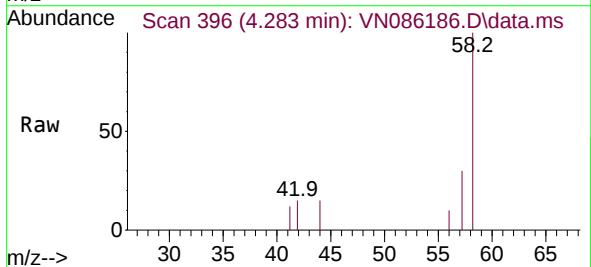
Instrument :
MSVOA_N
ClientSampleId :
TP-10

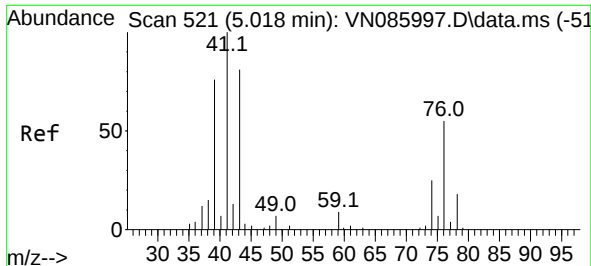
Tgt Ion: 59 Resp: 1235
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#13
Acrolein
Concen: 0.601 ug/l
RT: 4.283 min Scan# 396
Delta R.T. 0.106 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

Tgt Ion: 56 Resp: 166
Ion Ratio Lower Upper
56 100
55 32.5 55.1 82.7#

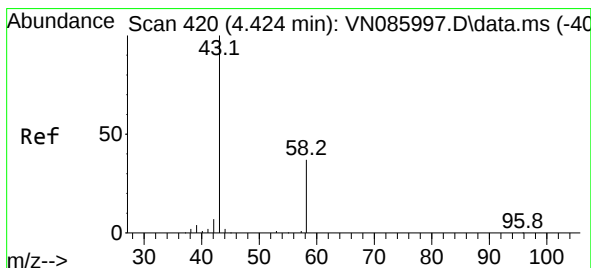
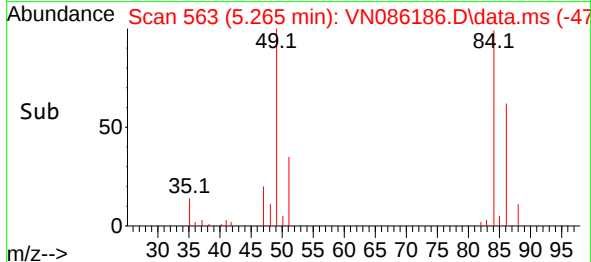
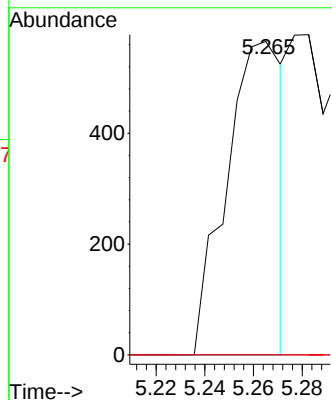
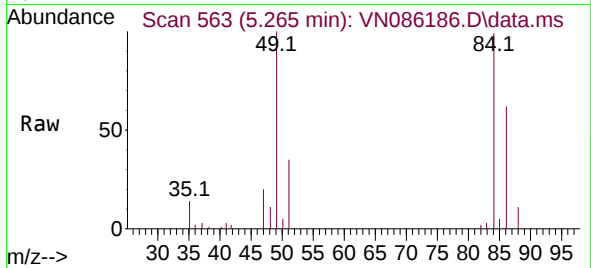




#14
 Allyl chloride
 Concen: 0.529 ug/l
 RT: 5.265 min Scan# 503
 Delta R.T. 0.247 min
 Lab File: VN086186.D
 Acq: 31 Mar 2025 21:52

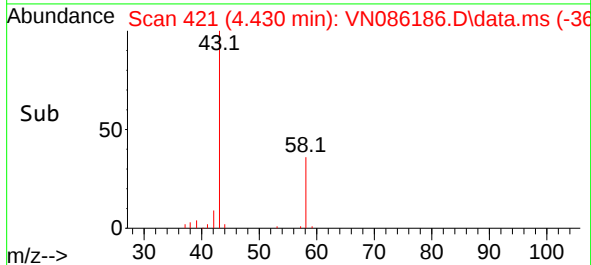
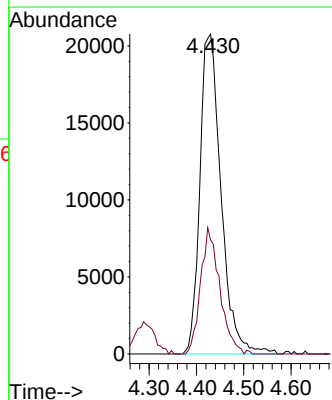
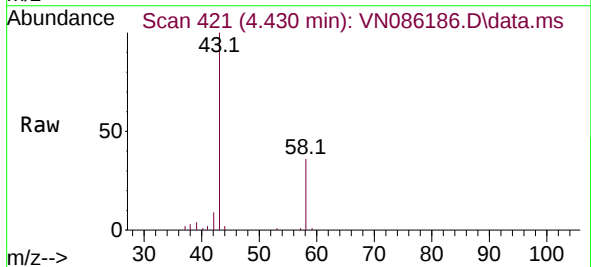
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

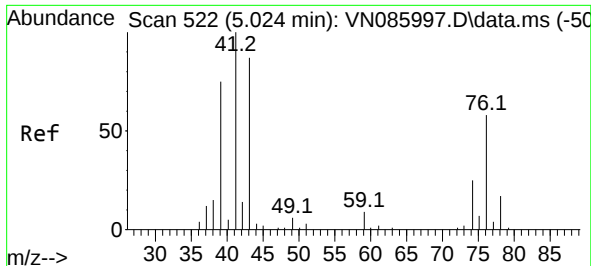
Tgt Ion: 41 Resp: 903
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.5 83.3#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 115.368 ug/l
 RT: 4.430 min Scan# 421
 Delta R.T. 0.006 min
 Lab File: VN086186.D
 Acq: 31 Mar 2025 21:52

Tgt Ion: 43 Resp: 64442
 Ion Ratio Lower Upper
 43 100
 58 35.6 29.4 44.2

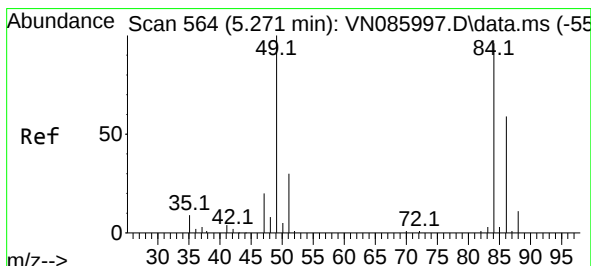
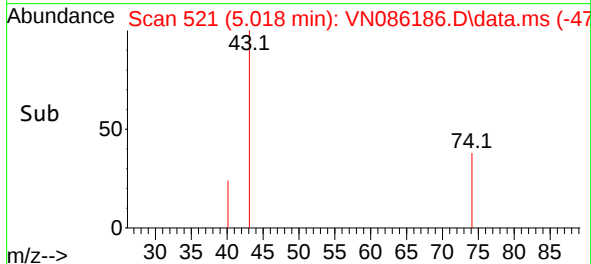
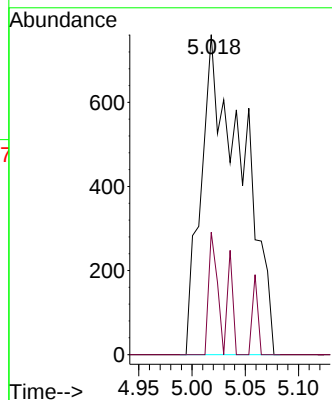
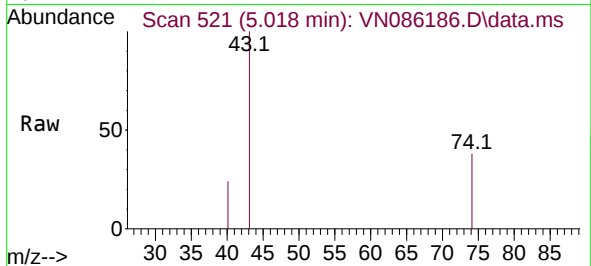




#18
Methyl Acetate
Concen: 1.475 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

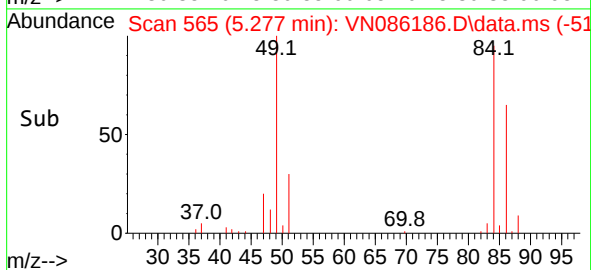
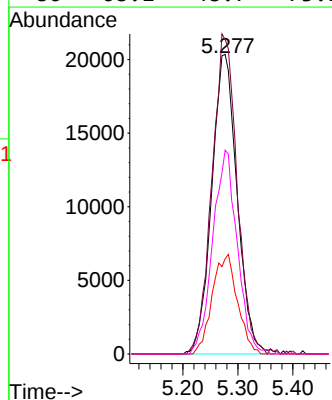
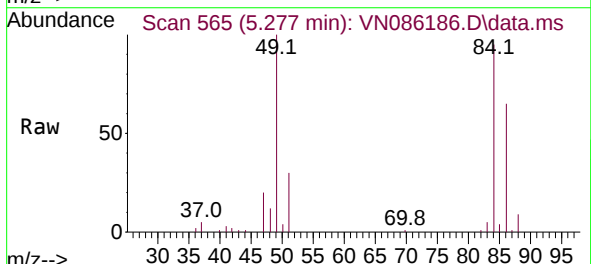
Instrument :
MSVOA_N
ClientSampleId :
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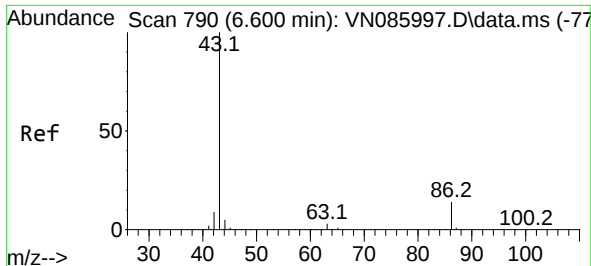
Tgt Ion: 43 Resp: 2039
Ion Ratio Lower Upper
43 100
74 8.0 23.9 35.9#



#20
Methylene Chloride
Concen: 40.036 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

Tgt Ion: 84 Resp: 65421
Ion Ratio Lower Upper
84 100
49 105.0 83.3 124.9
51 31.8 24.8 37.2
86 68.1 48.7 73.1

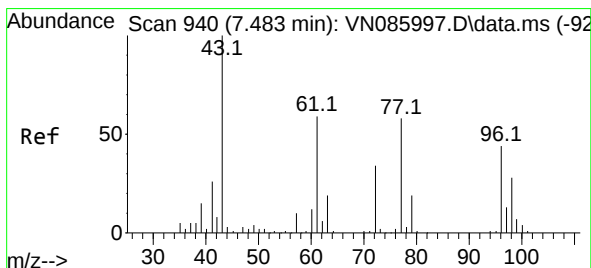
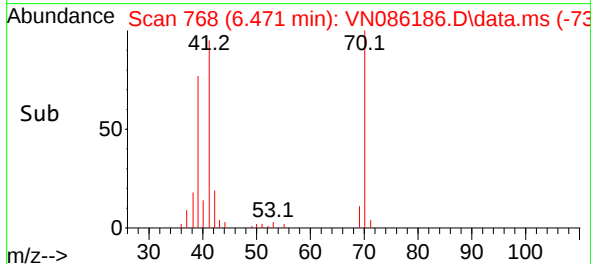
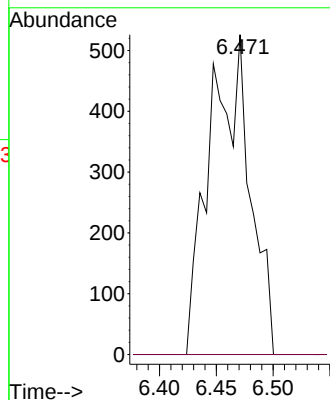
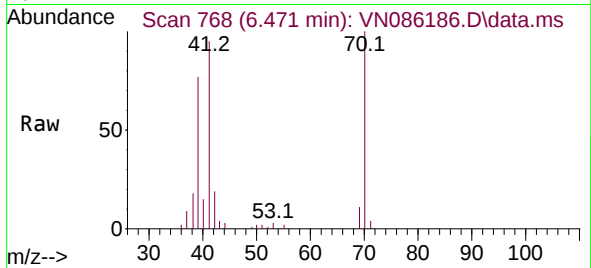




#23
 Vinyl Acetate
 Concen: 0.469 ug/l
 RT: 6.471 min Scan# 70
 Delta R.T. -0.130 min
 Lab File: VN086186.D
 Acq: 31 Mar 2025 21:52

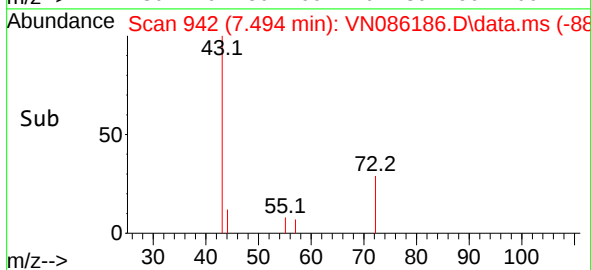
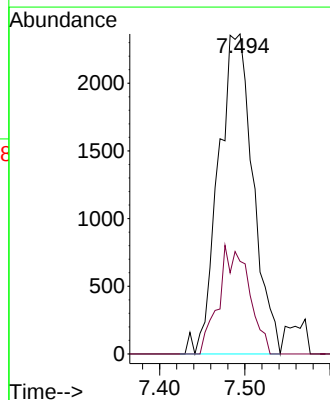
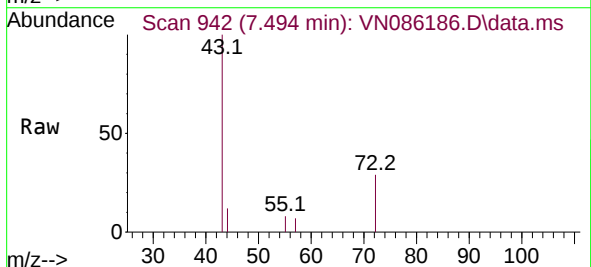
Instrument :
 MSVOA_N
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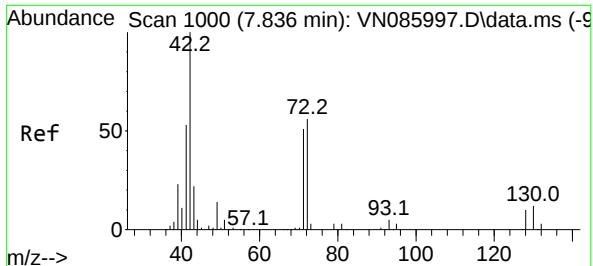
Tgt Ion: 43 Resp: 1294
 Ion Ratio Lower Upper
 43 100
 86 0.0 11.2 16.8#



#25
 2-Butanone
 Concen: 8.302 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. 0.012 min
 Lab File: VN086186.D
 Acq: 31 Mar 2025 21:52

Tgt Ion: 43 Resp: 6691
 Ion Ratio Lower Upper
 43 100
 72 28.9 27.4 41.0





#29

Tetrahydrofuran

Concen: 0.350 ug/l

RT: 7.865 min Scan# 1

Delta R.T. 0.029 min

Lab File: VN086186.D

Acq: 31 Mar 2025 21:52

Instrument :

MSVOA_N

ClientSampleId :

TP-10

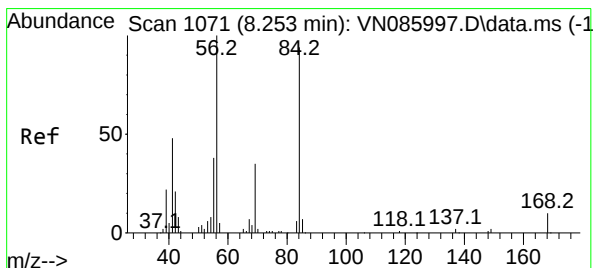
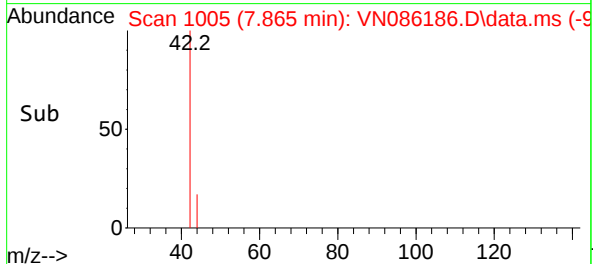
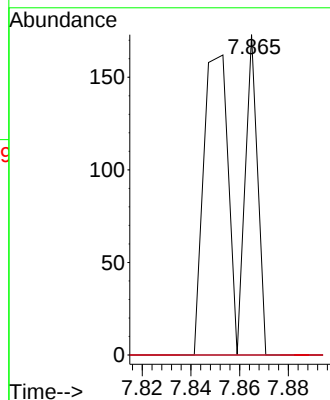
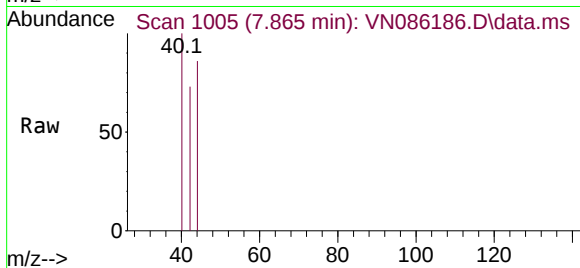
Tgt Ion: 42 Resp: 174

Ion Ratio Lower Upper

42 100

72 0.0 45.0 67.4#

71 0.0 41.9 62.9#



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

Lab File: VN086186.D

Acq: 31 Mar 2025 21:52

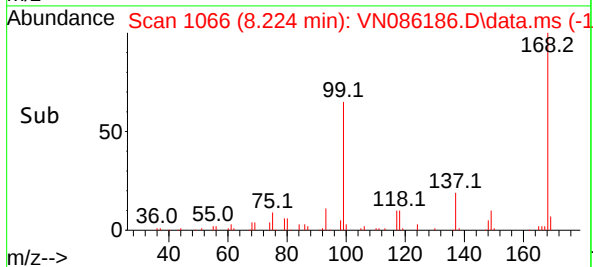
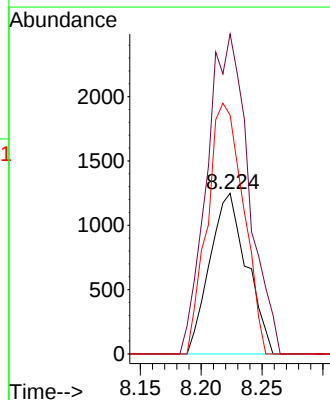
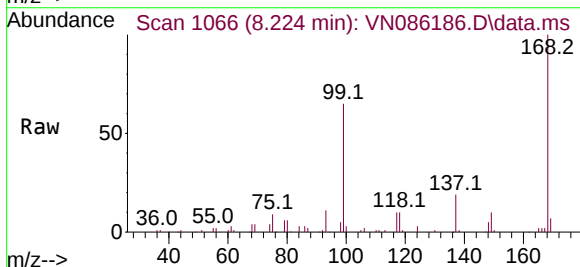
Tgt Ion: 56 Resp: 2644

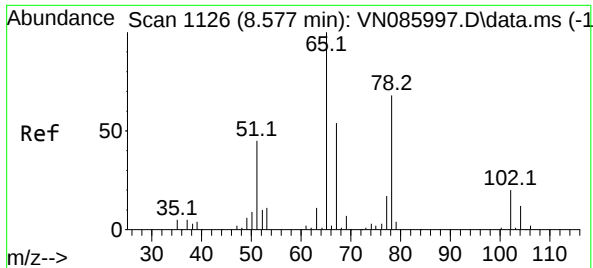
Ion Ratio Lower Upper

56 100

69 199.3 28.0 42.0#

84 148.8 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 56.940 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086186.D

Acq: 31 Mar 2025 21:52

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ClientSampleId :

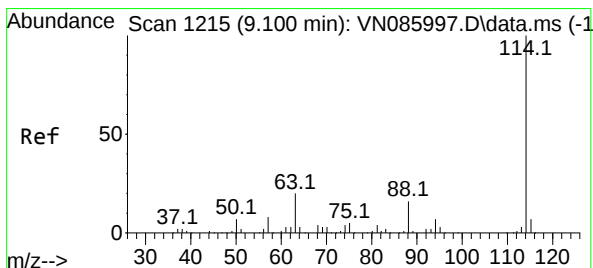
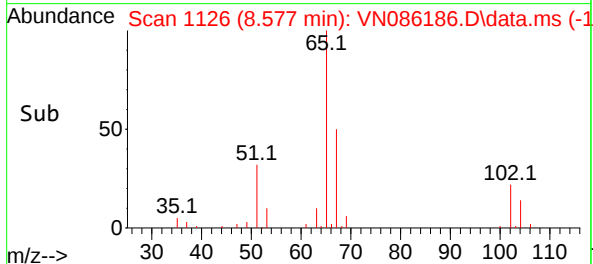
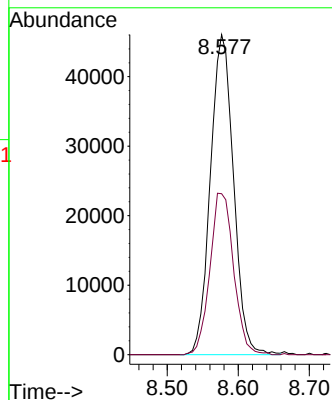
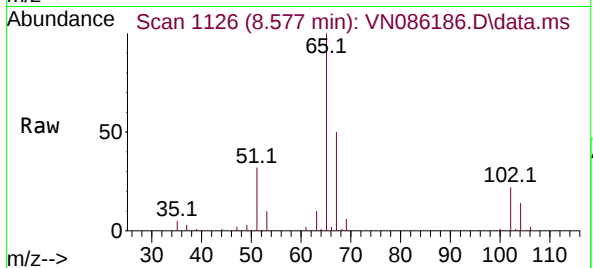
TP-10

Tgt Ion: 65 Resp: 104105

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086186.D

Acq: 31 Mar 2025 21:52

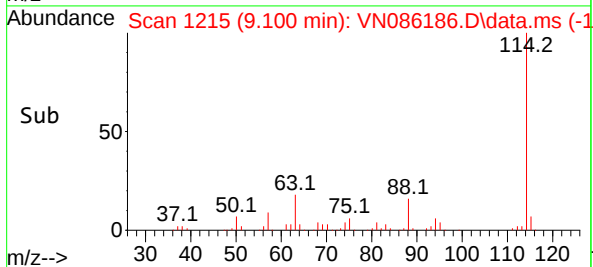
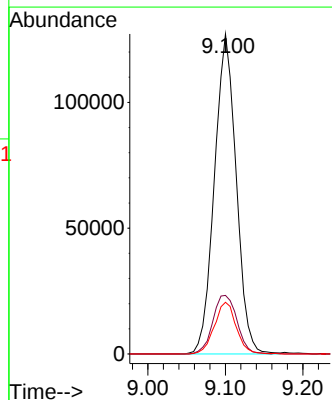
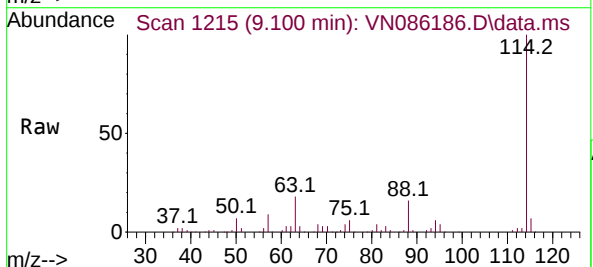
Tgt Ion: 114 Resp: 248623

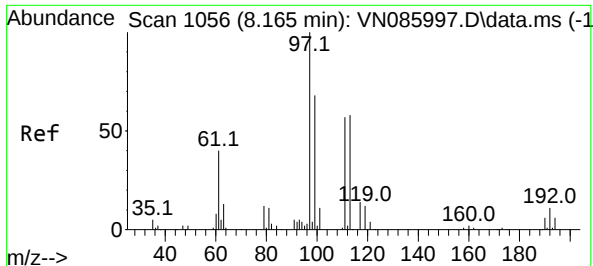
Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.689 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086186.D

Acq: 31 Mar 2025 21:52

Instrument :

MSVOA_N

ClientSampleId :

TP-10

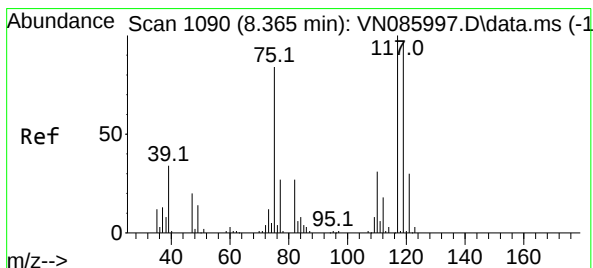
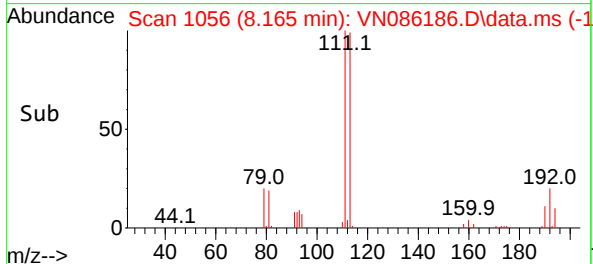
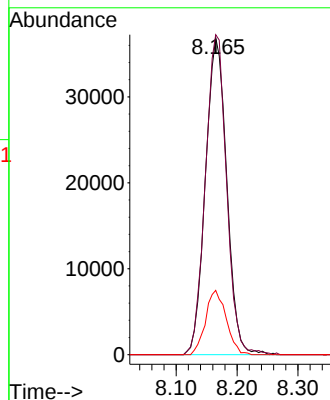
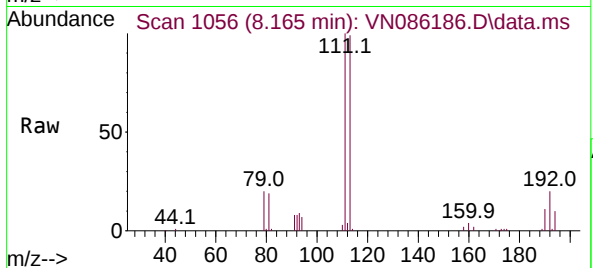
Tgt Ion:113 Resp: 89699

Ion Ratio Lower Upper

113 100

111 100.4 81.8 122.8

192 19.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.801 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086186.D

Acq: 31 Mar 2025 21:52

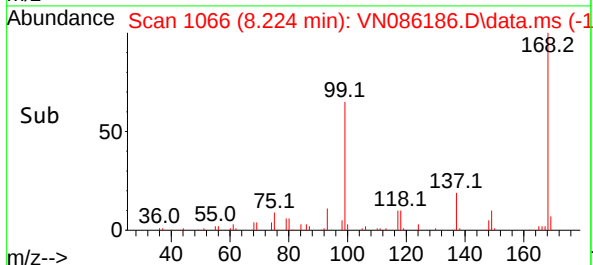
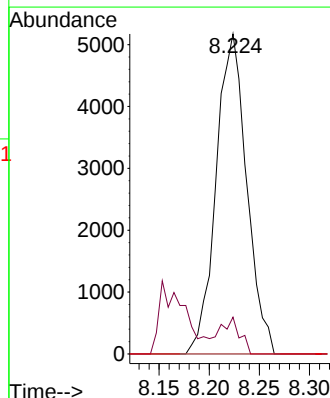
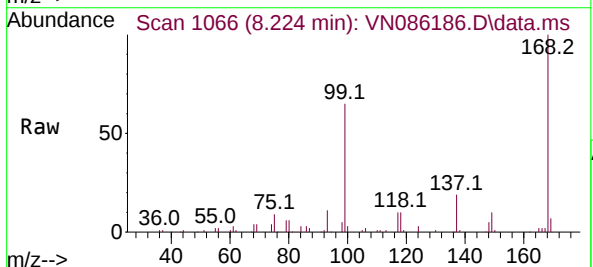
Tgt Ion: 75 Resp: 10970

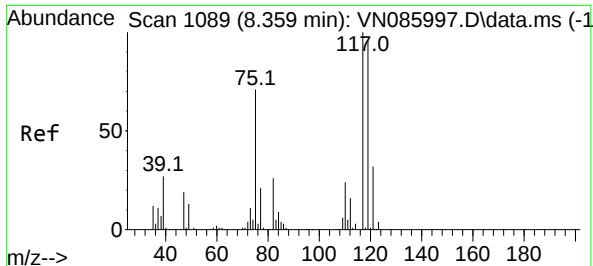
Ion Ratio Lower Upper

75 100

110 7.4 17.8 53.3#

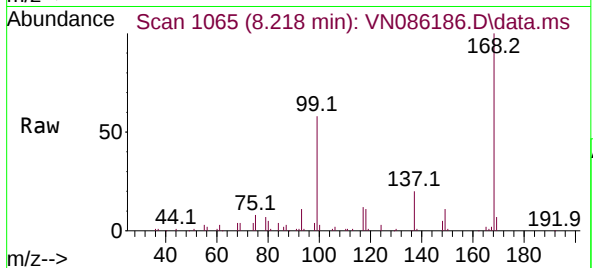
77 0.0 25.0 37.4#



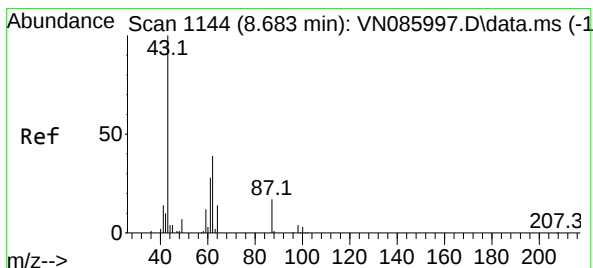
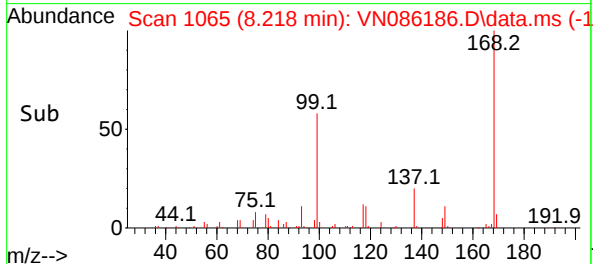
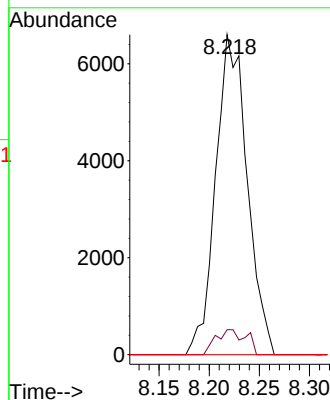


#38
Carbon Tetrachloride
Concen: 4.798 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

Instrument :
MSVOA_N
ClientSampleId :
TP-10

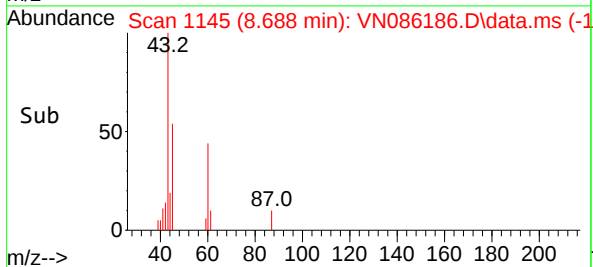
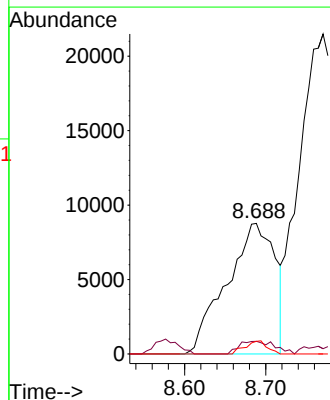
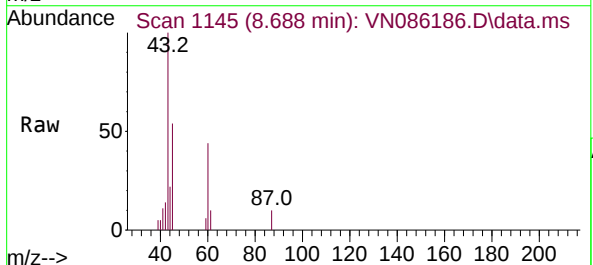


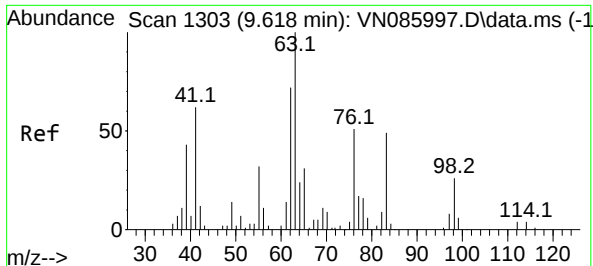
Tgt Ion:117 Resp: 14415
Ion Ratio Lower Upper
117 100
119 7.8 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 8.696 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

Tgt Ion: 43 Resp: 36324
Ion Ratio Lower Upper
43 100
61 7.2 25.0 37.6#
87 4.5 13.0 19.4#





#45

1,2-Dichloropropane

Concen: 0.343 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN086186.D

Acq: 31 Mar 2025 21:52

Instrument :

MSVOA_N

ClientSampleId :

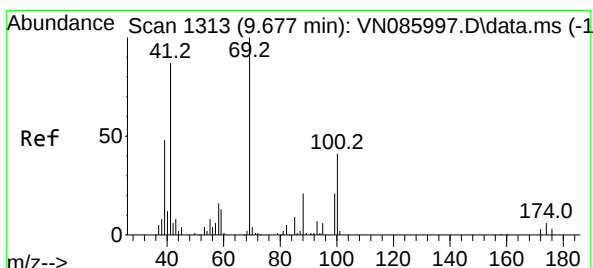
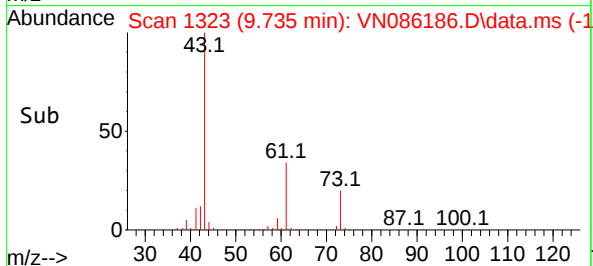
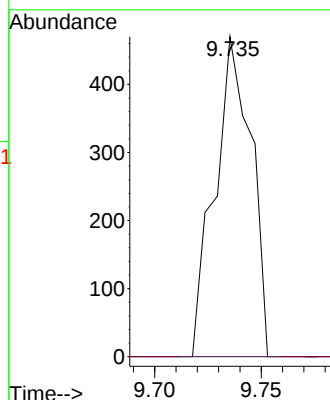
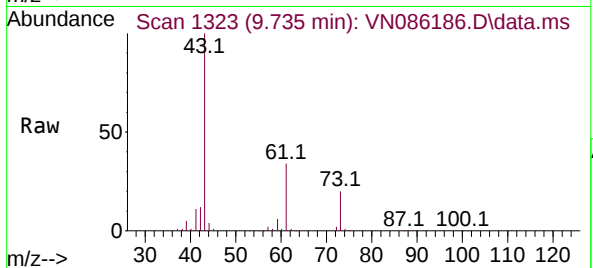
TP-10

Tgt Ion: 63 Resp: 559

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 31.399 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086186.D

Acq: 31 Mar 2025 21:52

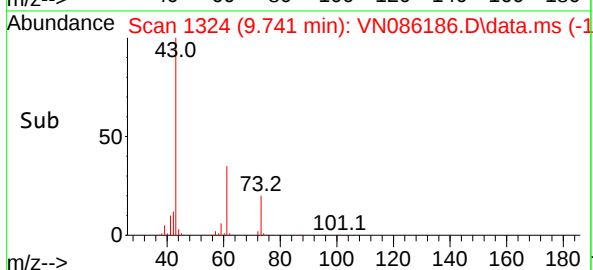
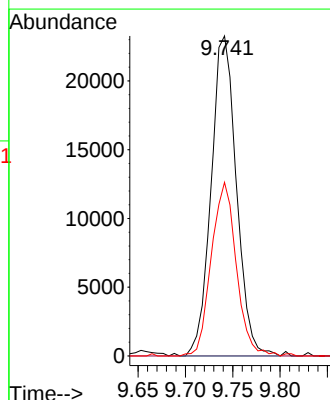
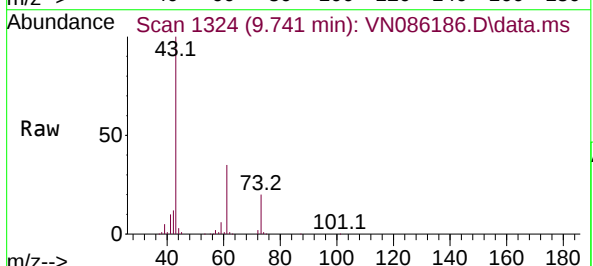
Tgt Ion: 41 Resp: 43283

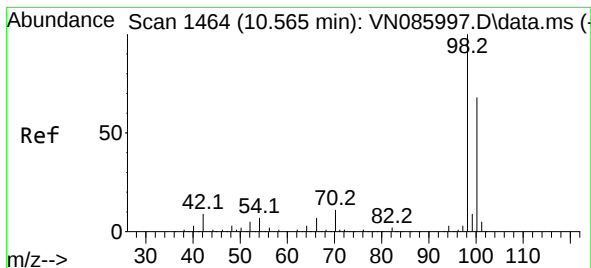
Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 53.7 45.6 68.4





#50

Toluene-d8

Concen: 52.188 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086186.D

Acq: 31 Mar 2025 21:52

Instrument :

MSVOA_N

ClientSampleId :

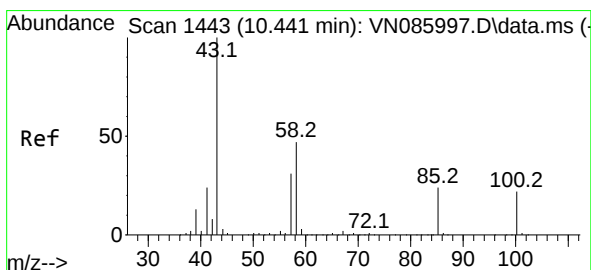
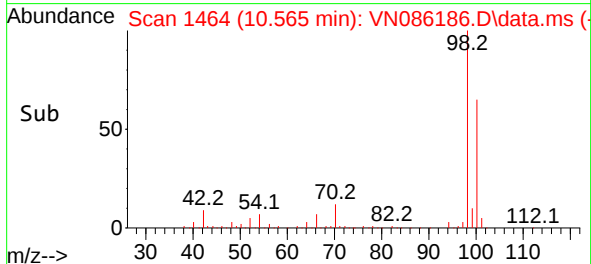
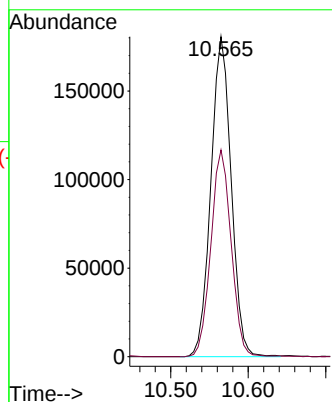
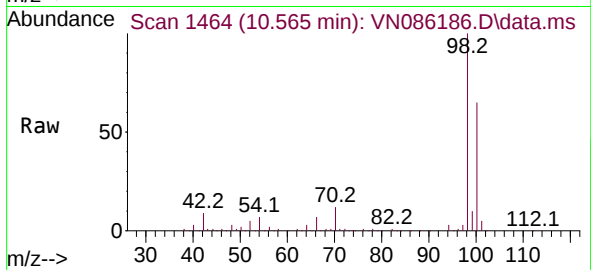
TP-10

Tgt Ion: 98 Resp: 328690

Ion Ratio Lower Upper

98 100

100 64.7 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 3.842 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.000 min

Lab File: VN086186.D

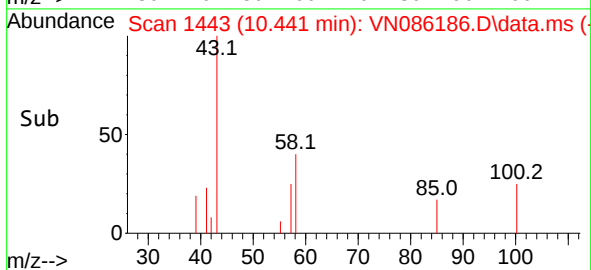
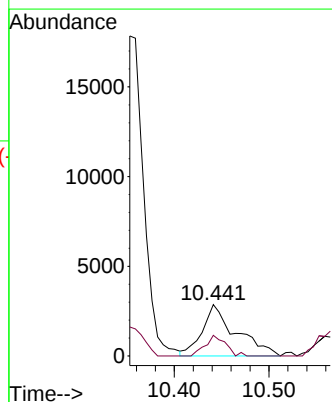
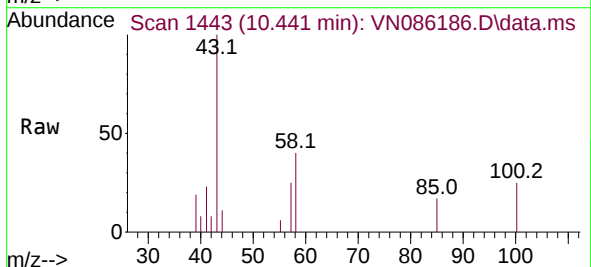
Acq: 31 Mar 2025 21:52

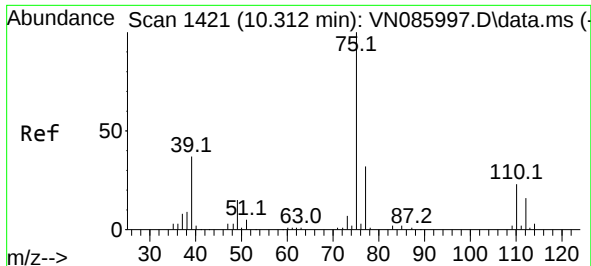
Tgt Ion: 43 Resp: 7079

Ion Ratio Lower Upper

43 100

58 24.3 37.4 56.0#

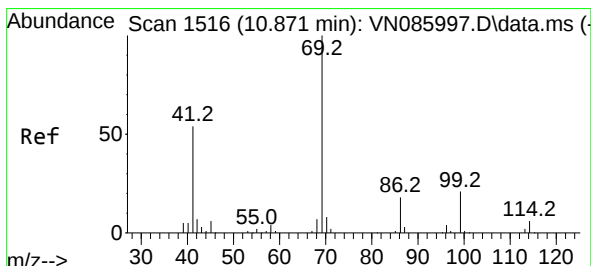
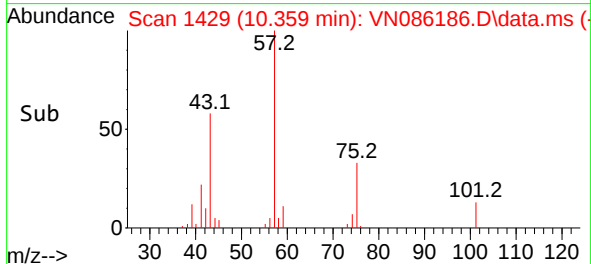
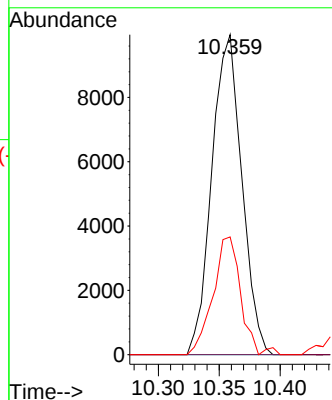
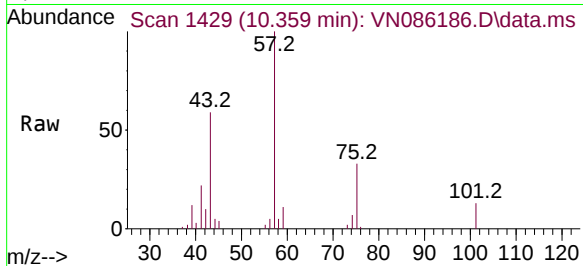




#54
 cis-1,3-Dichloropropene
 Concen: 6.208 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN086186.D
 Acq: 31 Mar 2025 21:52

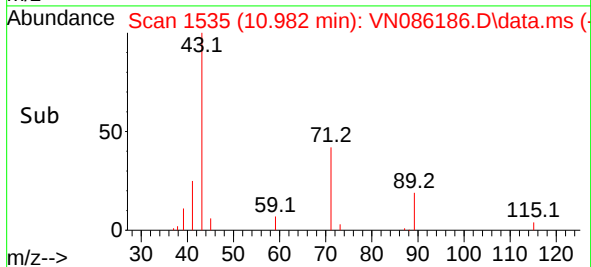
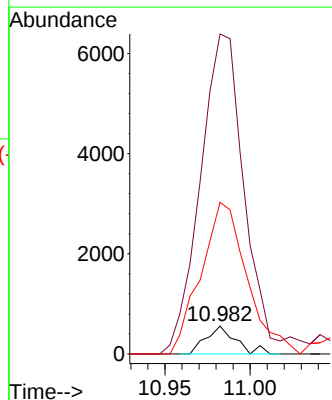
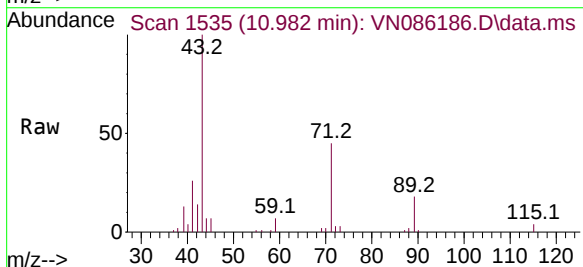
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

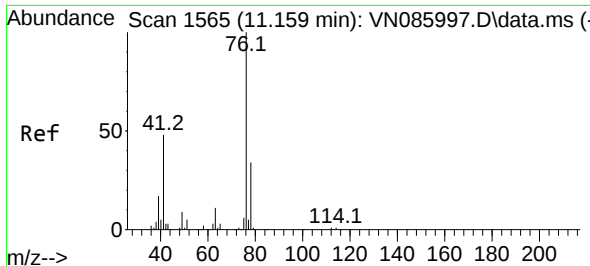
Tgt Ion: 75 Resp: 17057
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 36.8 29.6 44.4



#56
 Ethyl methacrylate
 Concen: 0.506 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN086186.D
 Acq: 31 Mar 2025 21:52

Tgt Ion: 69 Resp: 675
 Ion Ratio Lower Upper
 69 100
 41 1725.5 41.6 62.4#
 39 844.7 21.8 32.8#





#57

1,3-Dichloropropane

Concen: 0.811 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086186.D

Acq: 31 Mar 2025 21:52

Instrument :

MSVOA_N

ClientSampleId :

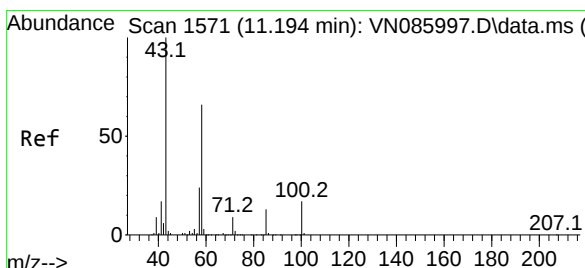
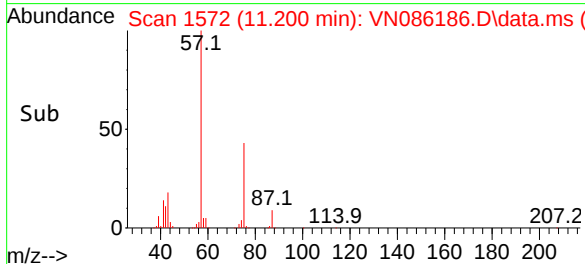
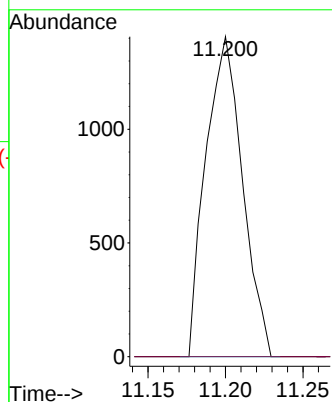
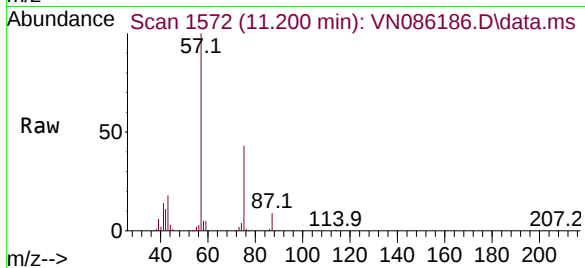
TP-10

Tgt Ion: 76 Resp: 2315

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 28.614 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086186.D

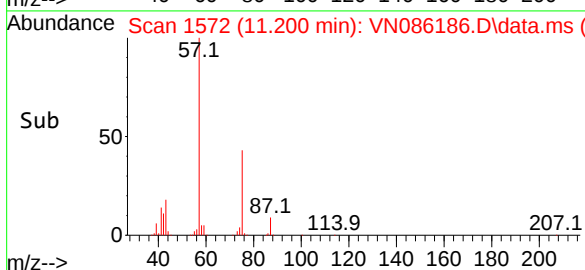
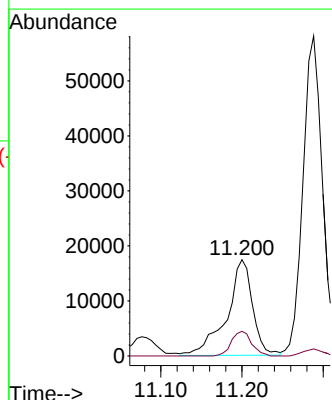
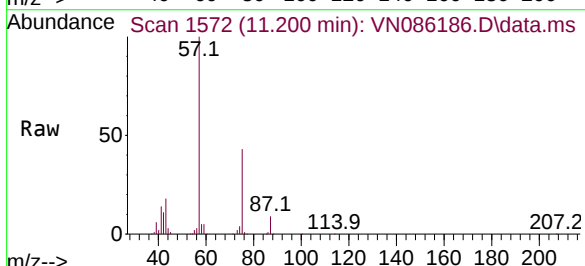
Acq: 31 Mar 2025 21:52

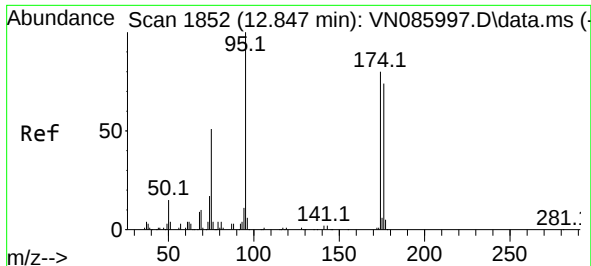
Tgt Ion: 43 Resp: 38403

Ion Ratio Lower Upper

43 100

58 20.2 32.4 97.2#

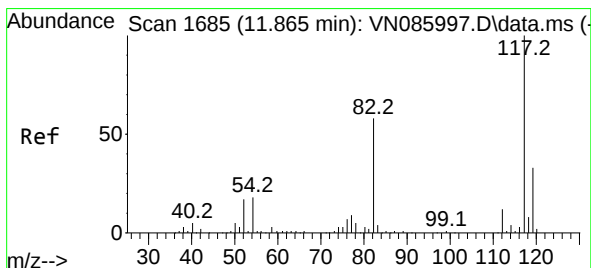
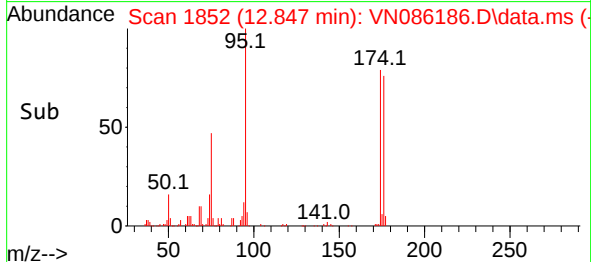
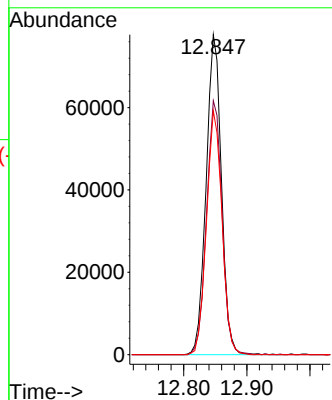
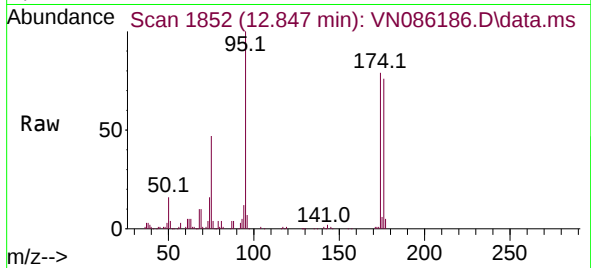




#62
4-Bromofluorobenzene
Concen: 57.976 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

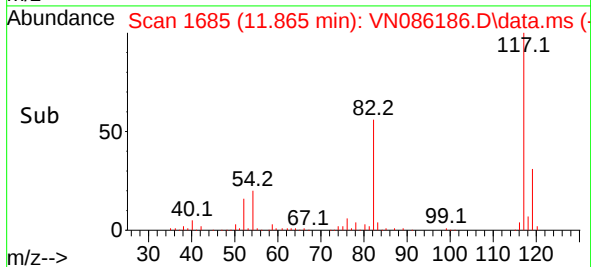
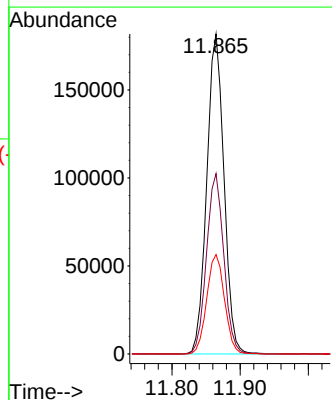
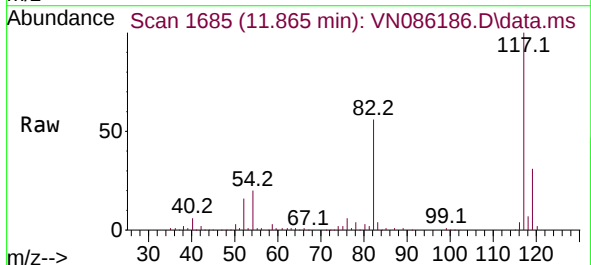
Instrument :
MSVOA_N
ClientSampleId :
TP-10

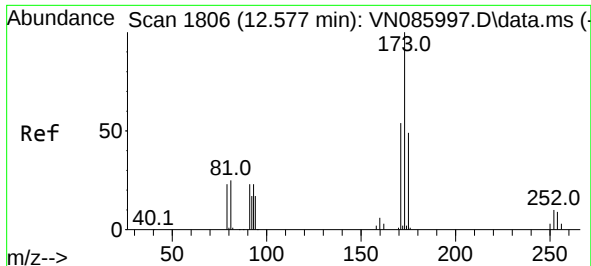
Tgt Ion: 95 Resp: 130221
Ion Ratio Lower Upper
95 100
174 80.7 0.0 156.8
176 77.4 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

Tgt Ion: 117 Resp: 319487
Ion Ratio Lower Upper
117 100
82 56.4 46.7 70.1
119 31.1 26.5 39.7

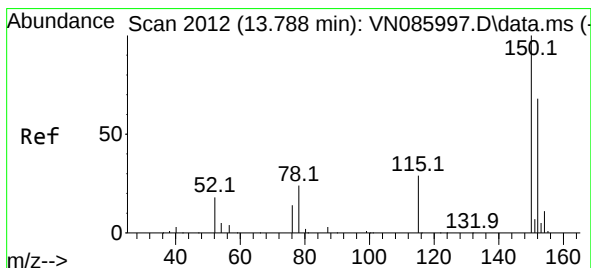
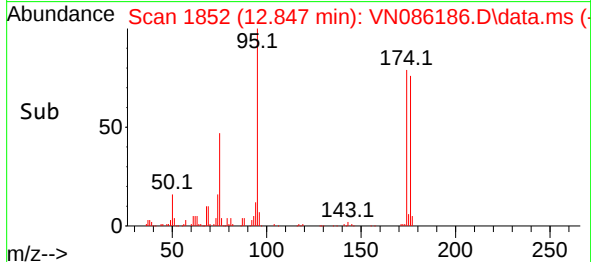
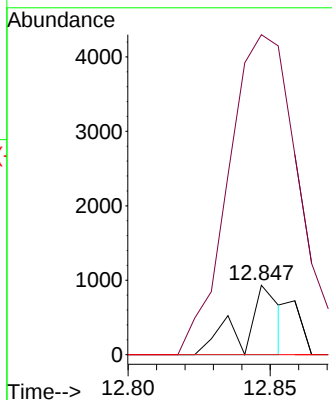
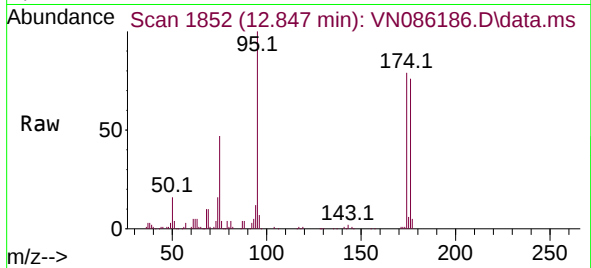




#71
Bromoform
Concen: 0.363 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

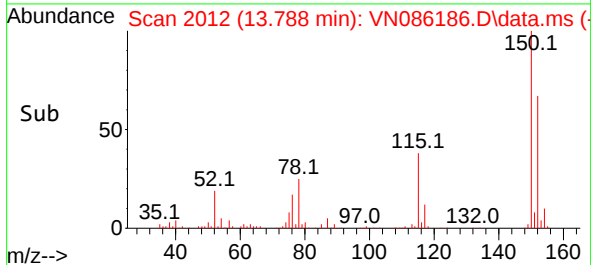
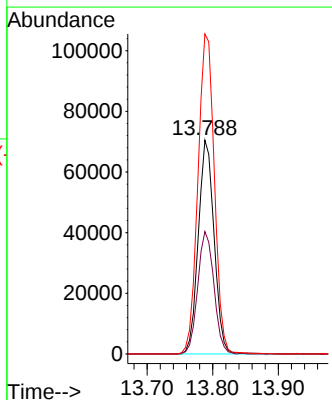
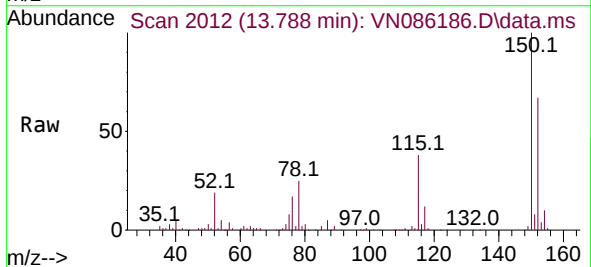
Instrument :
MSVOA_N
ClientSampleId :
TP-10

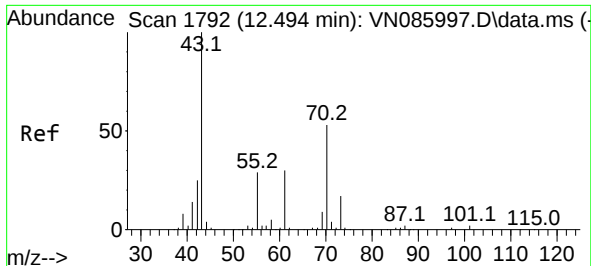
Tgt Ion:173 Resp: 825
Ion Ratio Lower Upper
173 100
175 689.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

Tgt Ion:152 Resp: 118537
Ion Ratio Lower Upper
152 100
115 58.4 31.1 93.2
150 155.5 0.0 359.6

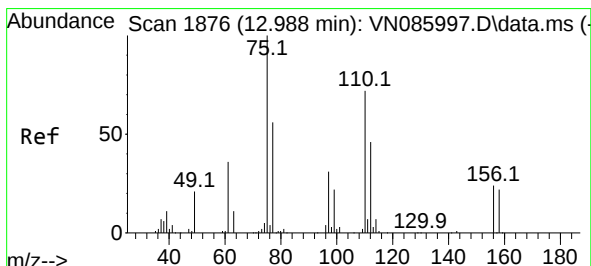
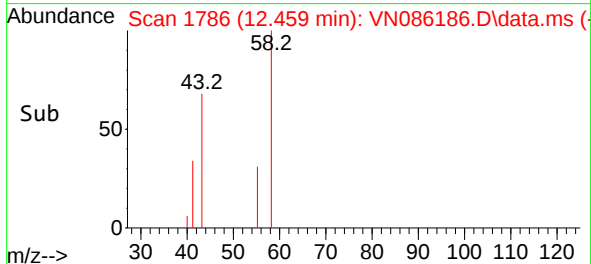
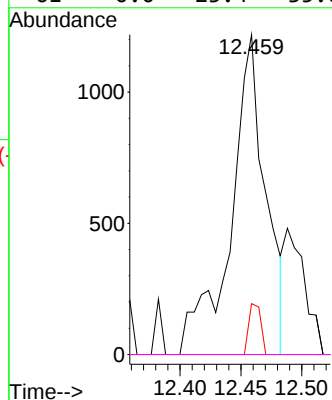
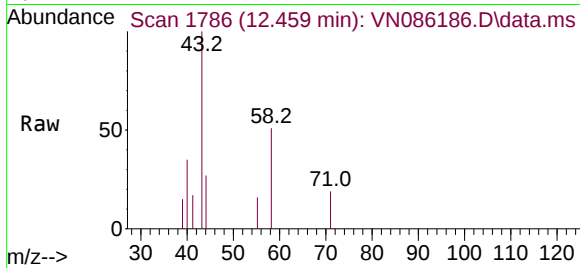




#74
N-amy1 acetate
Concen: 0.893 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

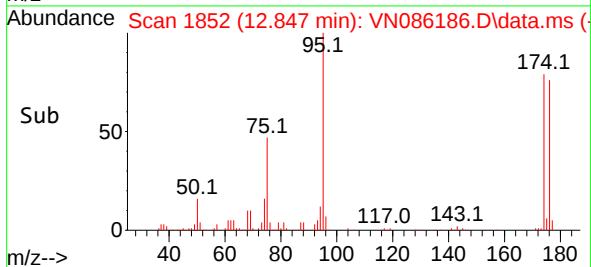
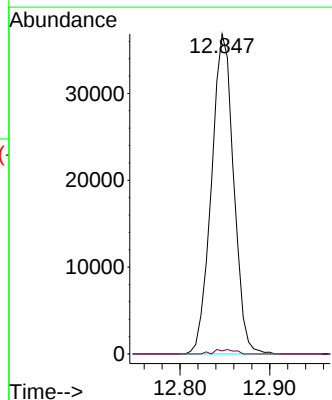
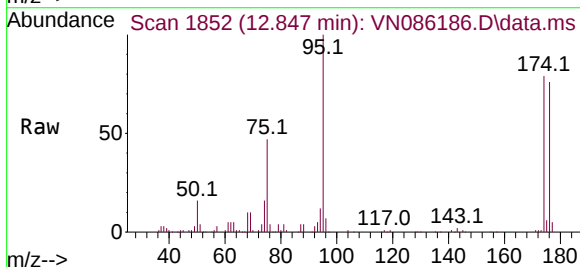
Instrument :
MSVOA_N
ClientSampleId :
TP-10

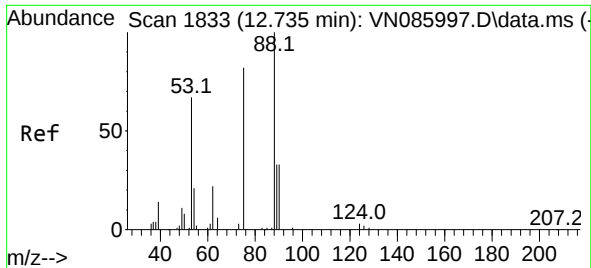
Tgt Ion: 43	Resp: 2418
Ion Ratio	Lower Upper
43 100	
70 0.0	43.0 64.4#
55 5.5	23.8 35.8#
61 0.0	23.4 35.0#



#76
1,2,3-Trichloropropane
Concen: 23.889 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

Tgt Ion: 75	Resp: 63397
Ion Ratio	Lower Upper
75 100	
77 1.3	83.7 251.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 63.158 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086186.D
Acq: 31 Mar 2025 21:52

Instrument :
MSVOA_N
ClientSampleId :
TP-10

Tgt Ion: 75 Resp: 63397
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 36.9 55.3#

