

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086512.D
 Acq On : 06 May 2025 14:11
 Operator : JC\MD
 Sample : Q1956-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP1

Quant Time: May 07 02:55:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

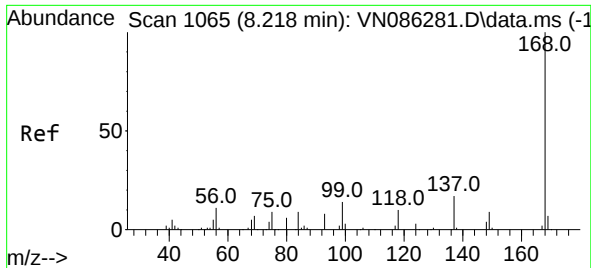
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	173251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	314398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119640	47.622	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.240%
35) Dibromofluoromethane	8.165	113	84652	56.242	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	112.480%
50) Toluene-d8	10.565	98	411132	51.109	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.220%
62) 4-Bromofluorobenzene	12.847	95	150608	51.331	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	819	0.274	ug/l	93
11) Tert butyl alcohol	5.524	59	530	1.156	ug/l #	72
13) Acrolein	4.189	56	134	Below Cal	#	61
16) Acetone	4.430	43	44053	46.062	ug/l	97
17) Carbon Disulfide	4.718	76	2549	0.417	ug/l #	74
18) Methyl Acetate	5.024	43	2638	0.875	ug/l #	59
20) Methylene Chloride	5.277	84	7210	3.104	ug/l	84
25) 2-Butanone	7.489	43	5305	3.392	ug/l	99
29) Tetrahydrofuran	7.847	42	500	0.478	ug/l #	52
31) Cyclohexane	8.218	56	3799	0.933	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13517	4.496	ug/l #	49
37) Ethyl Acetate	7.565	43	793	0.251	ug/l #	68
38) Carbon Tetrachloride	8.218	117	17515	6.118	ug/l #	16
43) Isopropyl Acetate	8.688	43	27002	2.945	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	726	0.308	ug/l #	43
48) Methyl methacrylate	9.741	41	64602	23.243	ug/l #	42
51) 4-Methyl-2-Pentanone	10.435	43	8834	2.726	ug/l #	72
54) cis-1,3-Dichloropropene	10.353	75	31536	7.928	ug/l #	58
57) 1,3-Dichloropropane	11.200	76	2902	0.756	ug/l #	43
59) 2-Hexanone	11.200	43	53309	22.176	ug/l #	43
71) Bromoform	12.847	173	726	0.417	ug/l #	1
74) N-amyl acetate	12.453	43	2978	0.530	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	76402	23.445	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76402	56.307	ug/l #	10

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

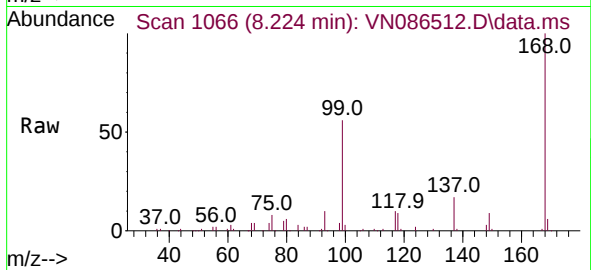
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Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



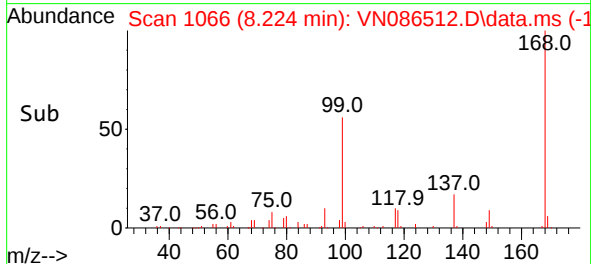
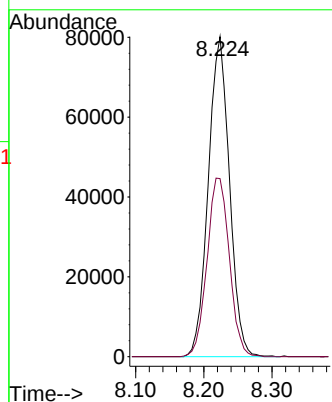


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
COMP1

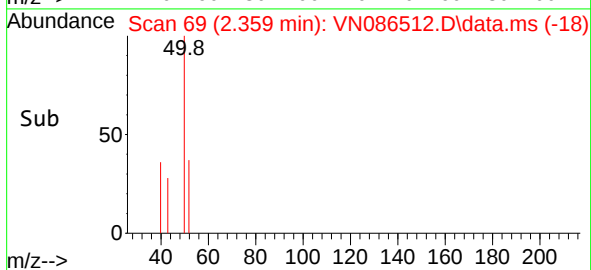
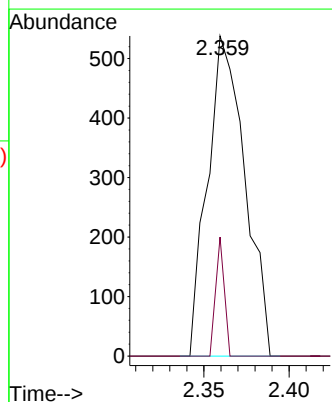
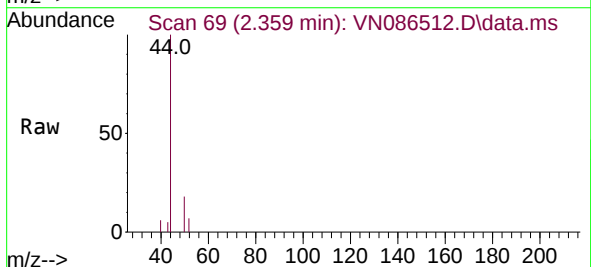


Tgt Ion:168 Resp: 173251
Ion Ratio Lower Upper
168 100
99 55.6 52.5 78.7



#3
Chloromethane
Concen: 0.274 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion: 50 Resp: 819
Ion Ratio Lower Upper
50 100
52 37.2 26.5 39.7

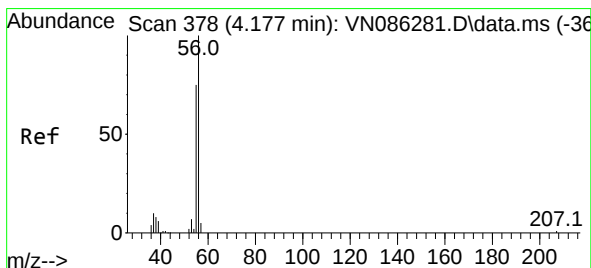
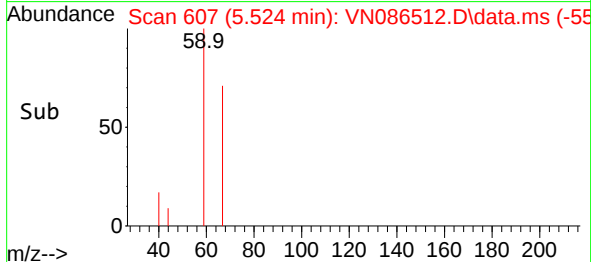
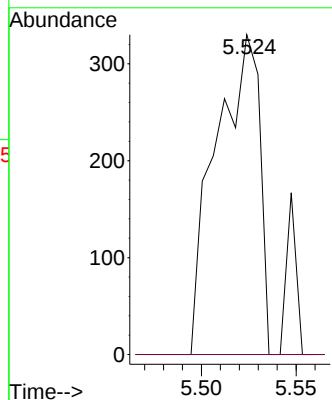
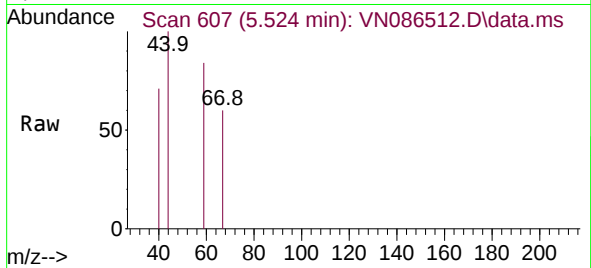




#11
Tert butyl alcohol
Concen: 1.156 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

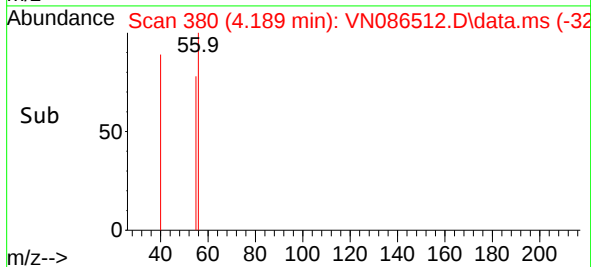
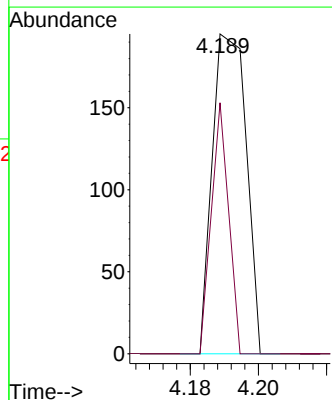
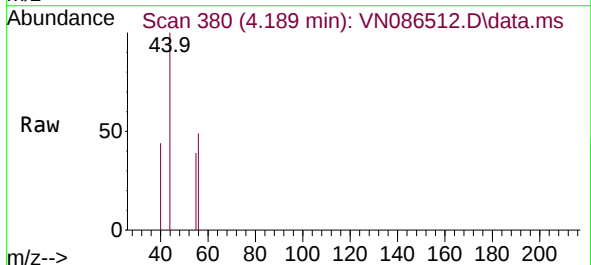
Instrument :
MSVOA_N
ClientSampleId :
COMP1

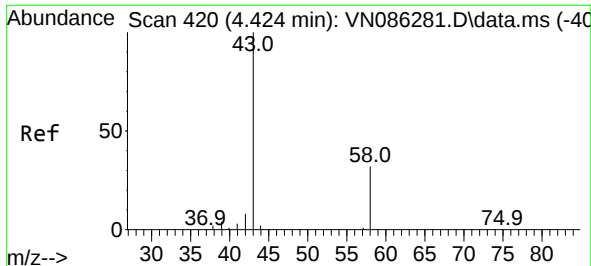
Tgt Ion: 59 Resp: 530
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion: 56 Resp: 134
Ion Ratio Lower Upper
56 100
55 40.3 58.5 87.7#

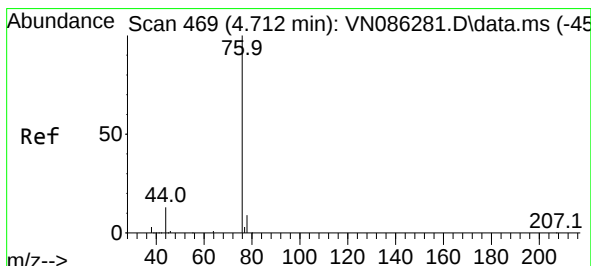
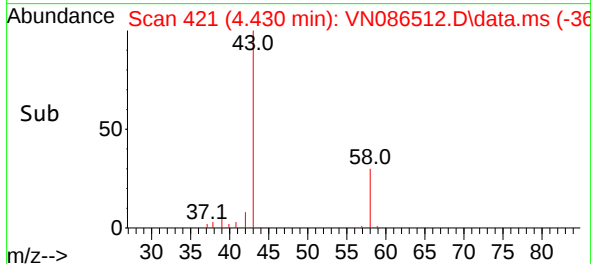
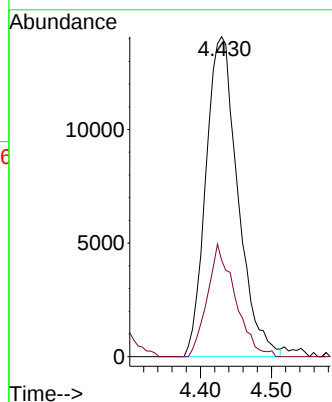
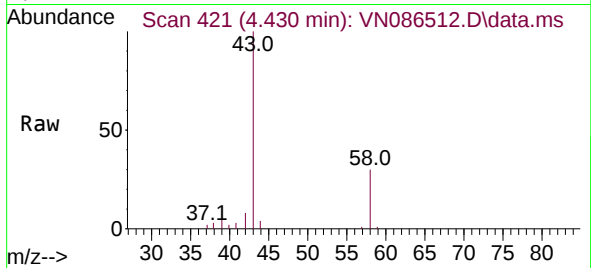




#16
Acetone
Concen: 46.062 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

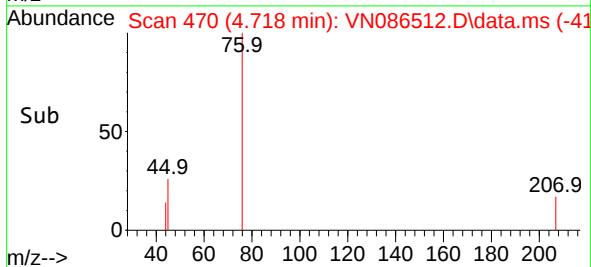
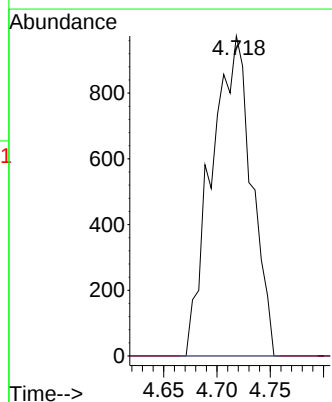
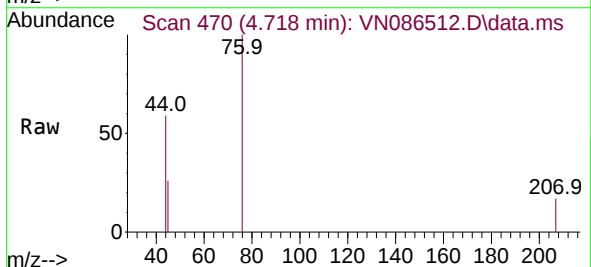
Instrument :
MSVOA_N
ClientSampleId :
COMP1

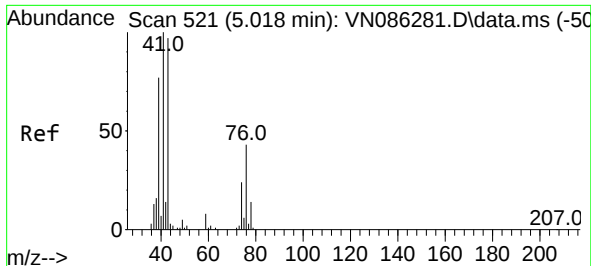
Tgt Ion: 43 Resp: 44053
Ion Ratio Lower Upper
43 100
58 30.1 25.3 37.9



#17
Carbon Disulfide
Concen: 0.417 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

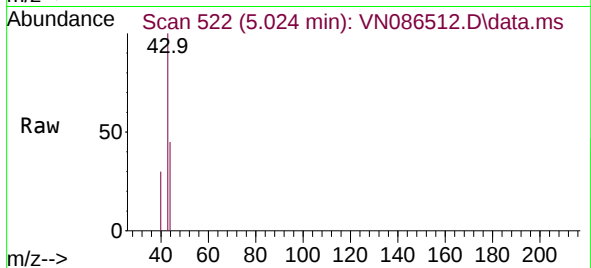
Tgt Ion: 76 Resp: 2549
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



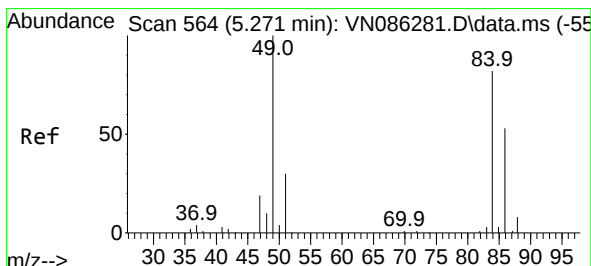
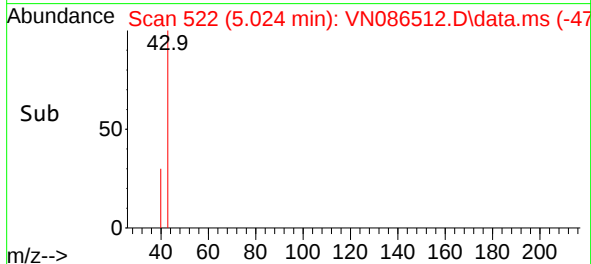
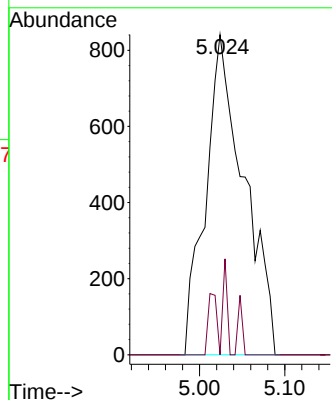


#18
Methyl Acetate
Concen: 0.875 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
COMP1

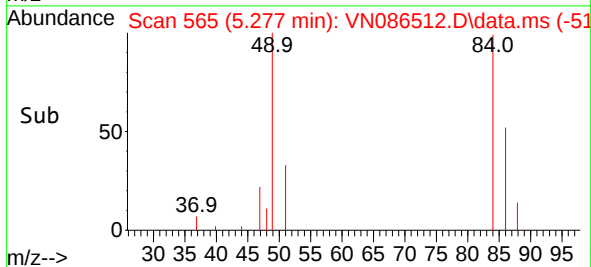
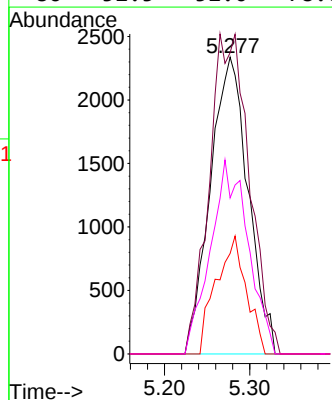
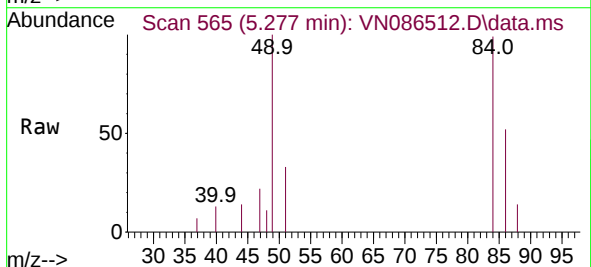


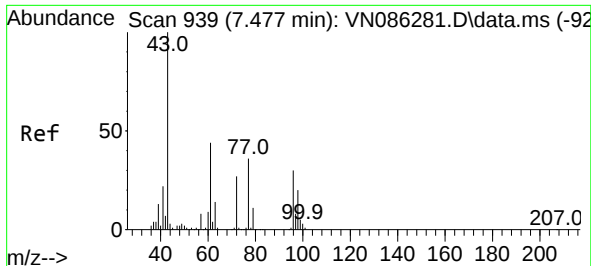
Tgt Ion: 43 Resp: 2638
Ion Ratio Lower Upper
43 100
74 4.2 19.8 29.6#



#20
Methylene Chloride
Concen: 3.104 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion: 84 Resp: 7210
Ion Ratio Lower Upper
84 100
49 101.5 98.2 147.2
51 33.8 29.8 44.6
86 52.5 52.0 78.0

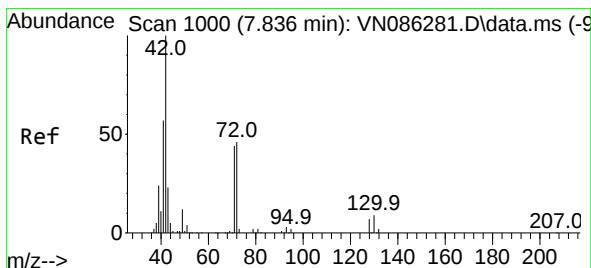
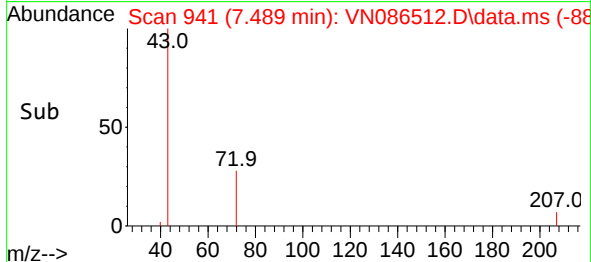
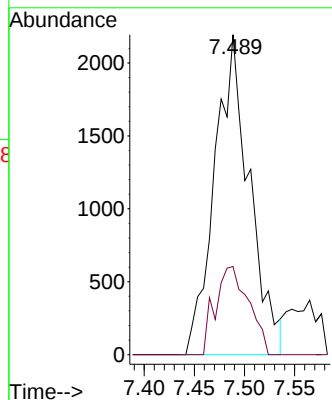
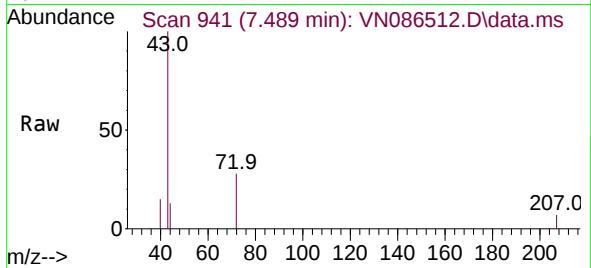




#25
2-Butanone
Concen: 3.392 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

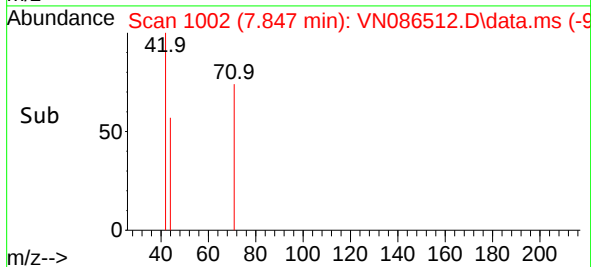
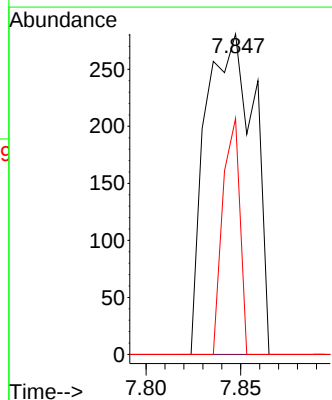
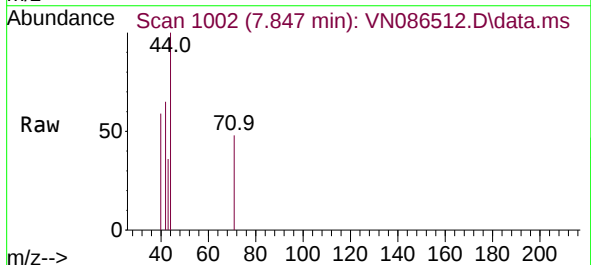
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MSVOA_N
ClientSampleId :
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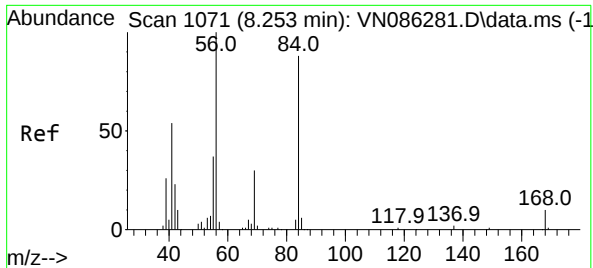
Tgt Ion: 43 Resp: 5305
Ion Ratio Lower Upper
43 100
72 27.5 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.478 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

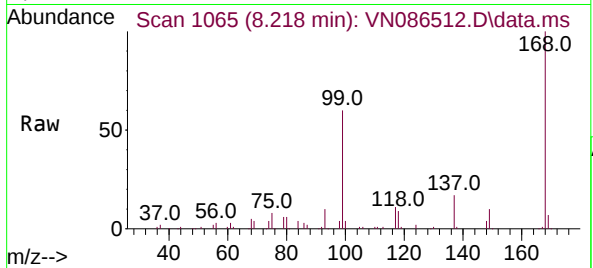
Tgt Ion: 42 Resp: 500
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 26.0 34.0 51.0#



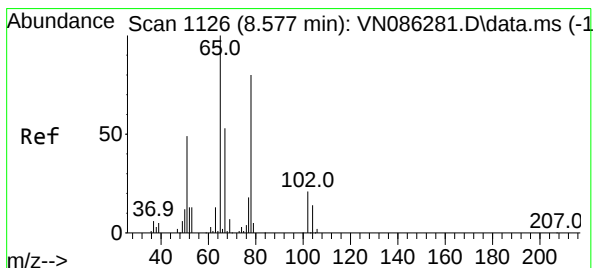
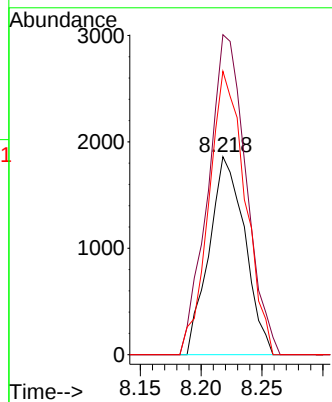
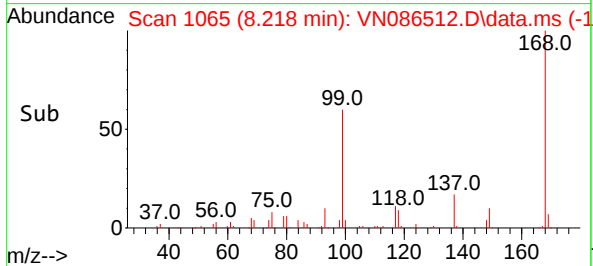


#31
Cyclohexane
Concen: 0.933 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

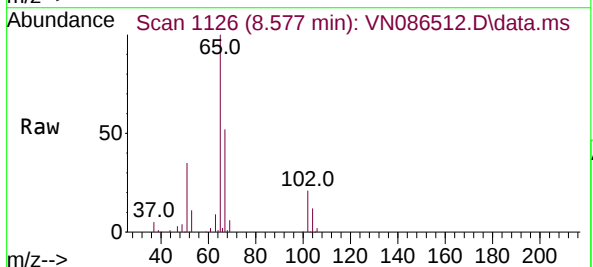
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MSVOA_N
ClientSampleId :
COMP1



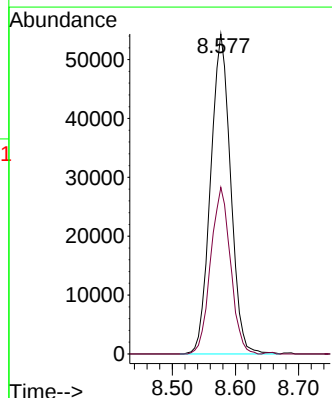
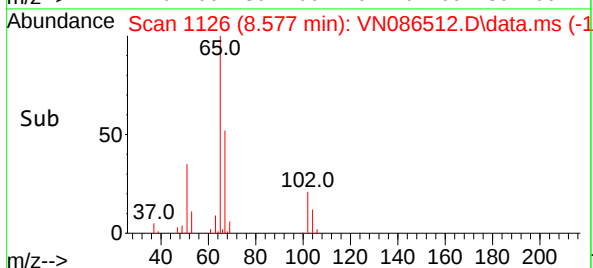
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Ion Ratio Lower Upper
56 100
69 161.6 24.2 36.2#
84 143.1 70.3 105.5#

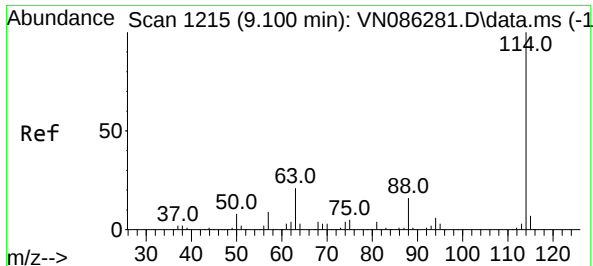


#33
1,2-Dichloroethane-d4
Concen: 47.622 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11



Tgt Ion: 65 Resp: 119640
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086512.D

Acq: 06 May 2025 14:11

Instrument :

MSVOA_N

ClientSampleId :

COMP1

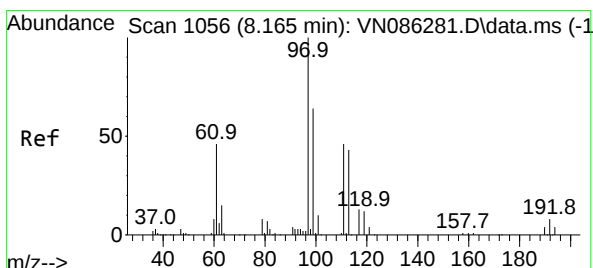
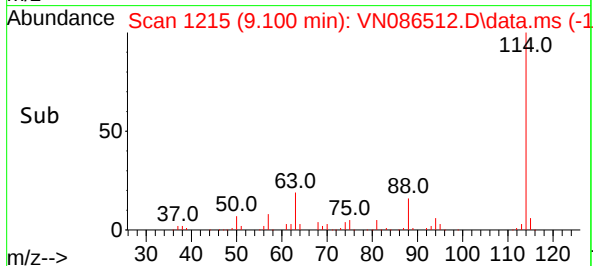
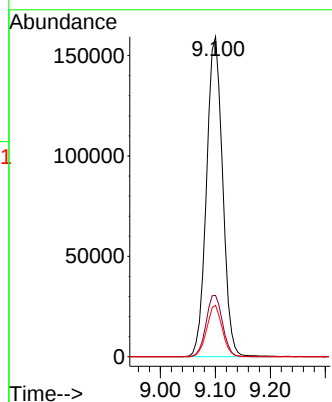
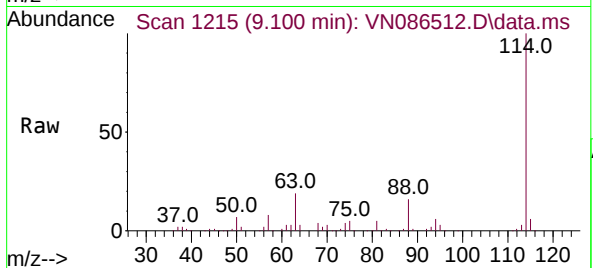
Tgt Ion:114 Resp: 324303

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.6

88 16.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.242 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086512.D

Acq: 06 May 2025 14:11

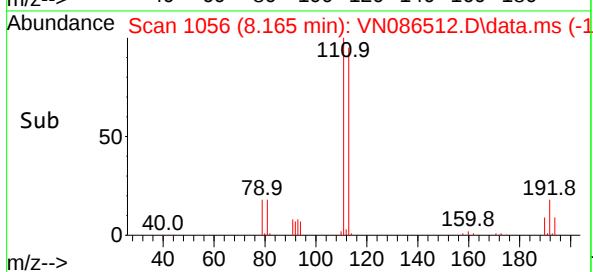
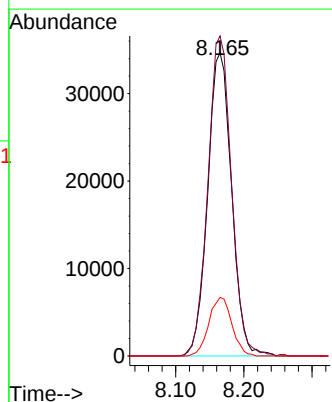
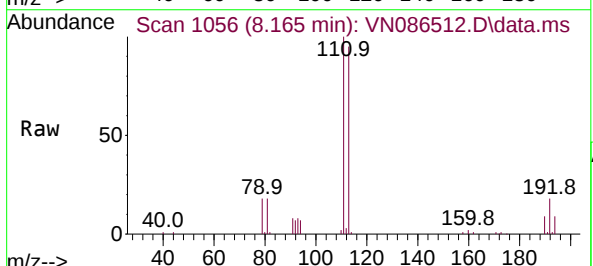
Tgt Ion:113 Resp: 84652

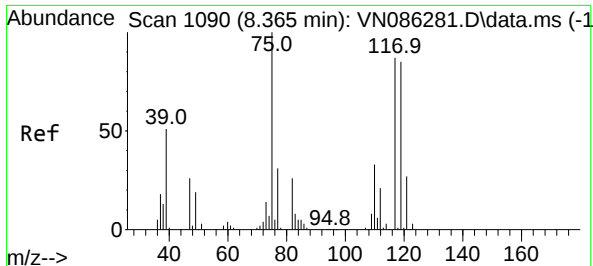
Ion Ratio Lower Upper

113 100

111 104.3 83.4 125.0

192 18.6 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.496 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086512.D

Acq: 06 May 2025 14:11

Instrument :

MSVOA_N

ClientSampleId :

COMP1

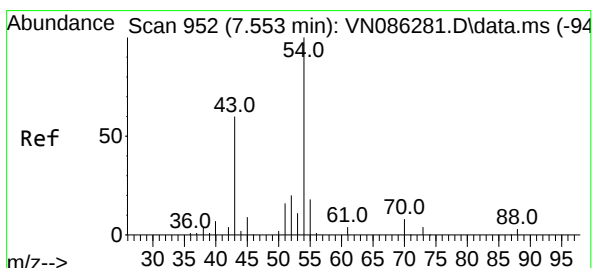
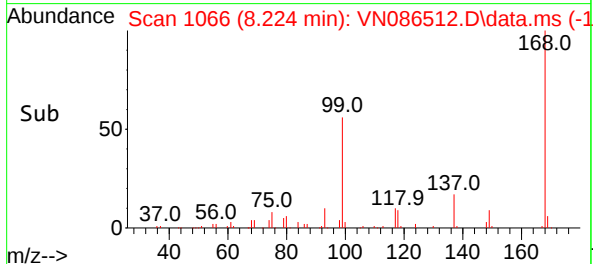
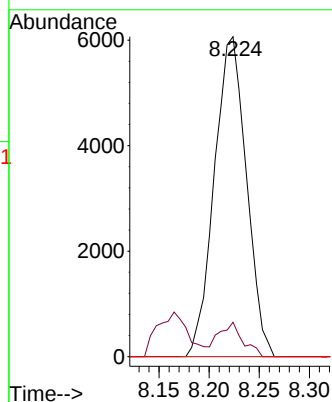
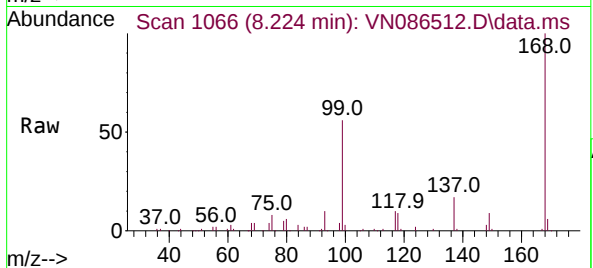
Tgt Ion: 75 Resp: 13517

Ion Ratio Lower Upper

75 100

110 7.9 16.8 50.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.251 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN086512.D

Acq: 06 May 2025 14:11

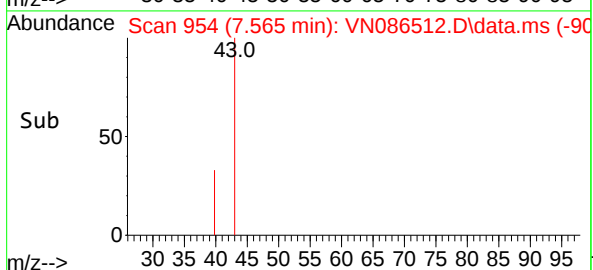
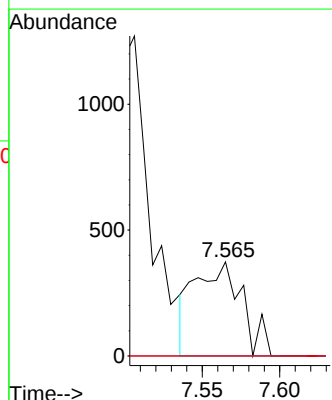
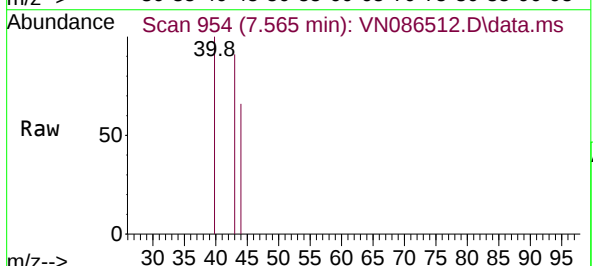
Tgt Ion: 43 Resp: 793

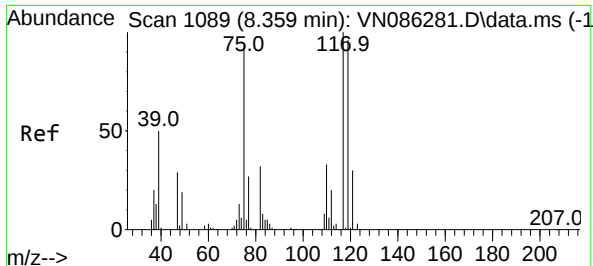
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 9.2 13.8#

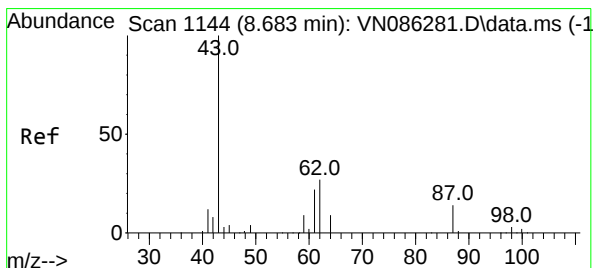
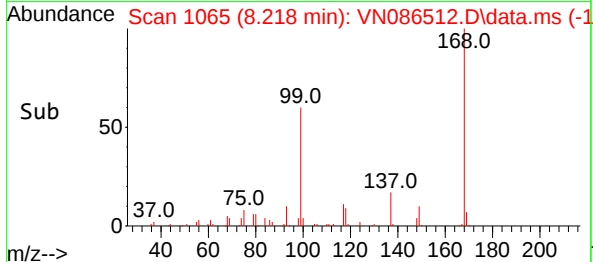
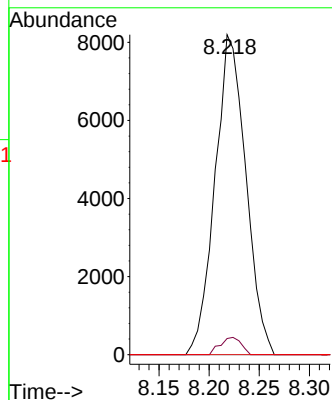
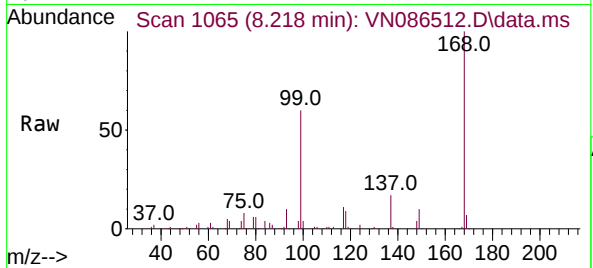




#38
Carbon Tetrachloride
Concen: 6.118 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

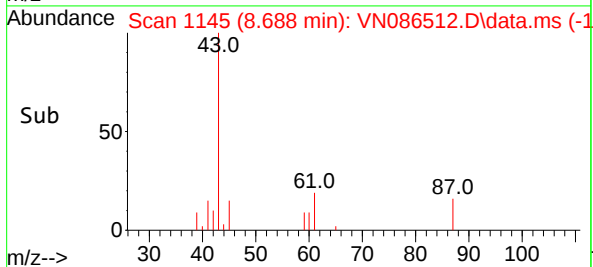
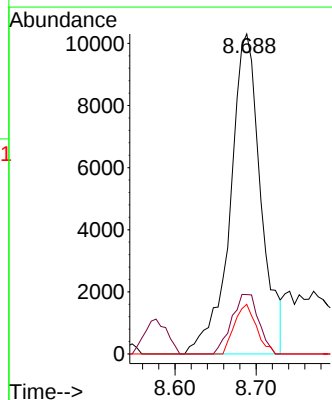
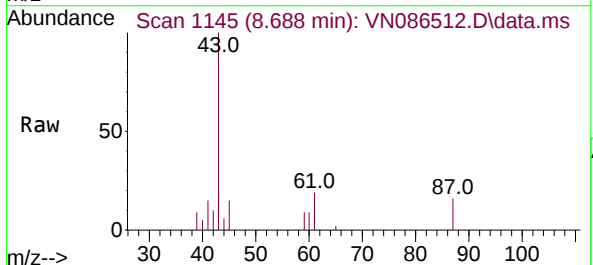
Instrument :
MSVOA_N
ClientSampleId :
COMP1

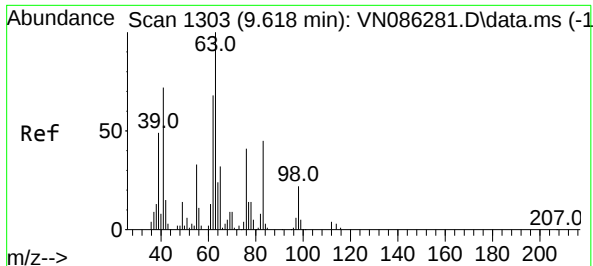
Tgt Ion:117 Resp: 17515
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 2.945 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion: 43 Resp: 27002
Ion Ratio Lower Upper
43 100
61 16.4 20.5 30.7#
87 11.1 10.5 15.7





#45

1,2-Dichloropropane

Concen: 0.308 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.124 min

Lab File: VN086512.D

Acq: 06 May 2025 14:11

Instrument :

MSVOA_N

ClientSampleId :

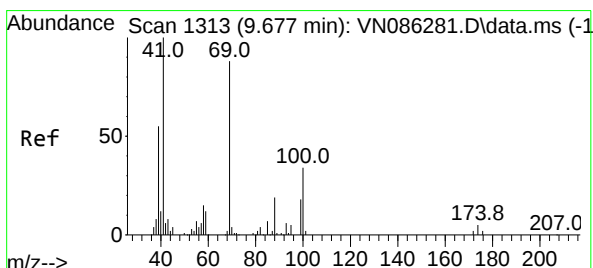
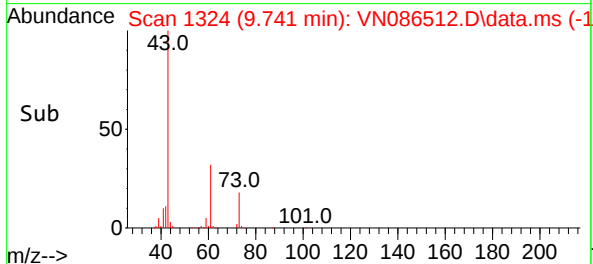
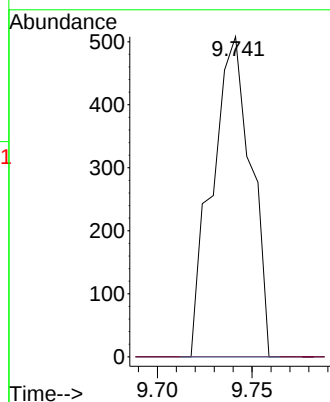
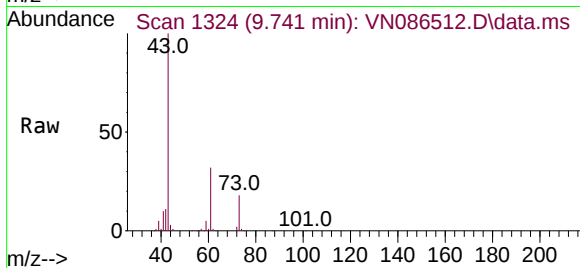
COMP1

Tgt Ion: 63 Resp: 726

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 23.243 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086512.D

Acq: 06 May 2025 14:11

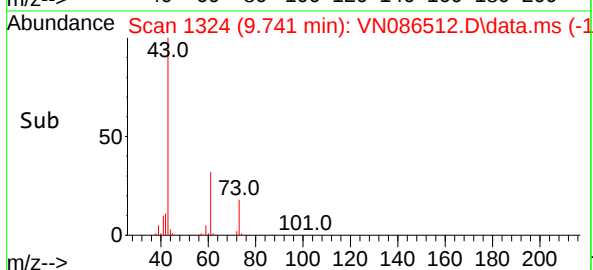
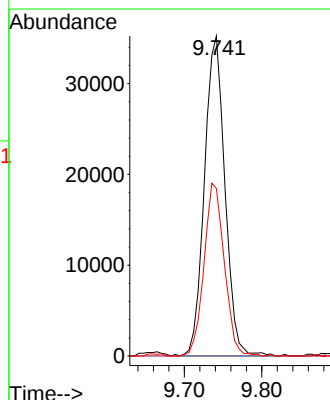
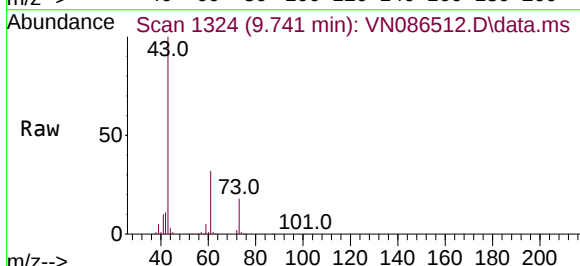
Tgt Ion: 41 Resp: 64602

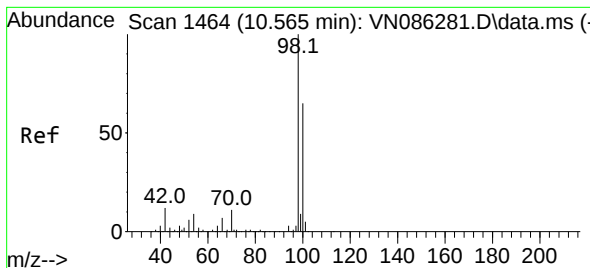
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 53.6 45.2 67.8

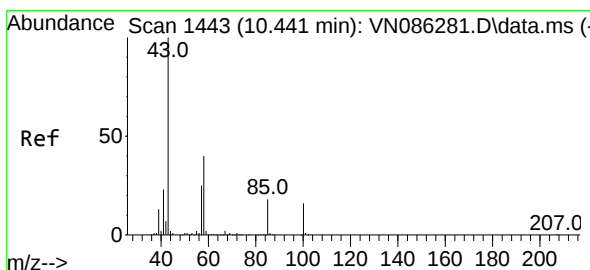
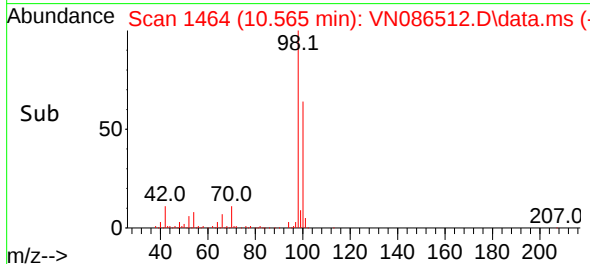
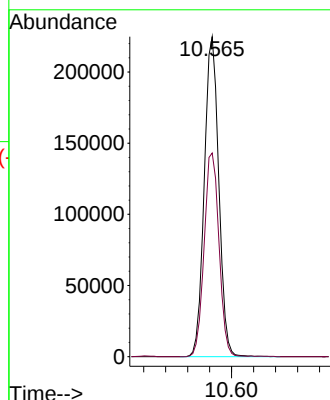
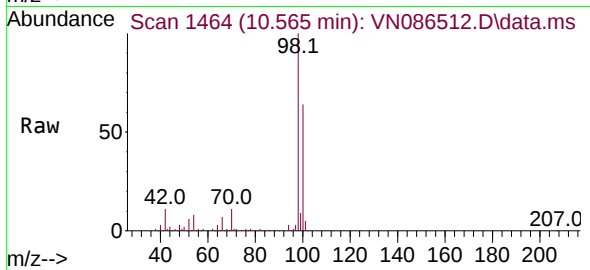




#50
Toluene-d8
Concen: 51.109 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

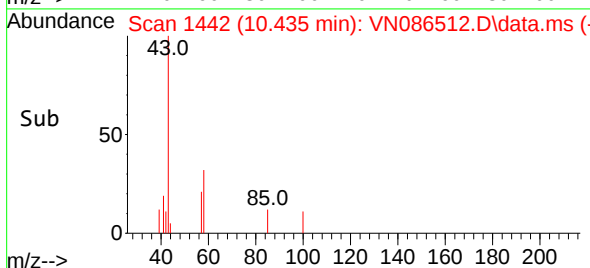
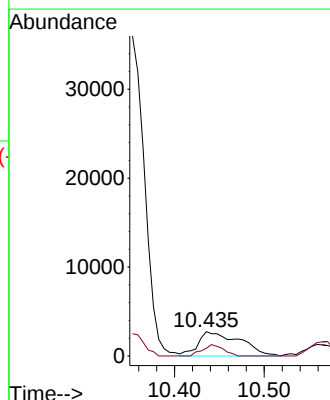
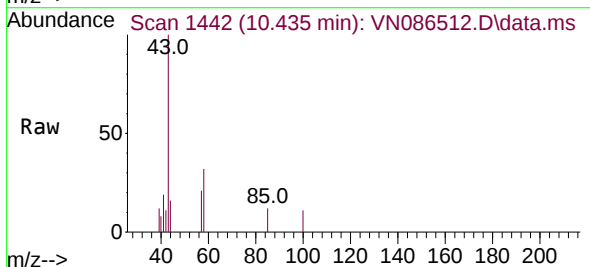
Instrument :
MSVOA_N
ClientSampleId :
COMP1

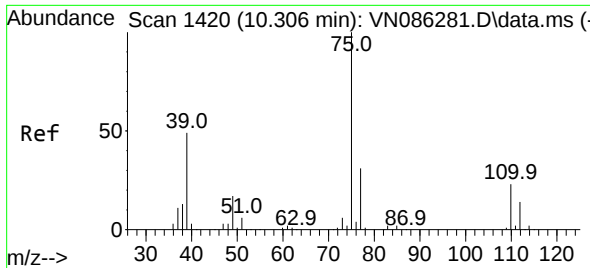
Tgt Ion: 98 Resp: 411132
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 2.726 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion: 43 Resp: 8834
Ion Ratio Lower Upper
43 100
58 23.2 32.2 48.4#

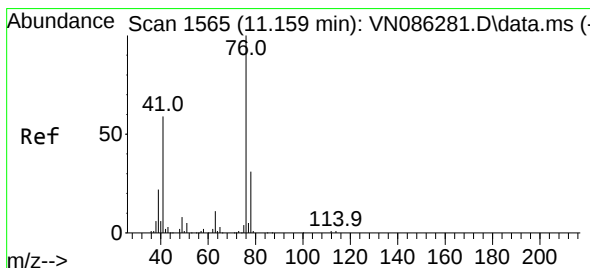
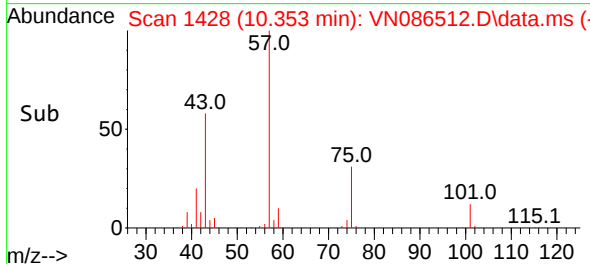
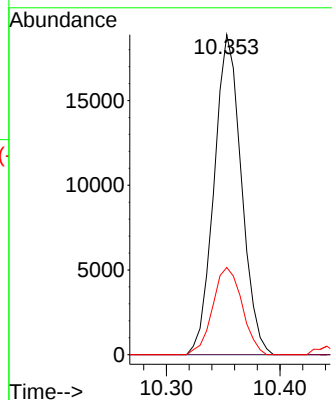
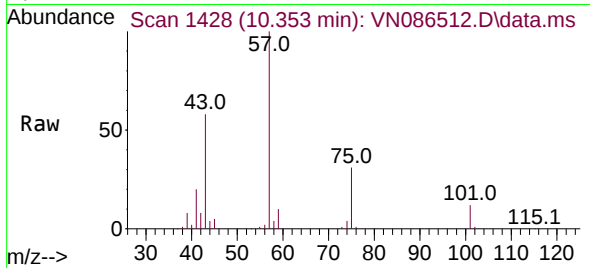




#54
 cis-1,3-Dichloropropene
 Concen: 7.928 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN086512.D
 Acq: 06 May 2025 14:11

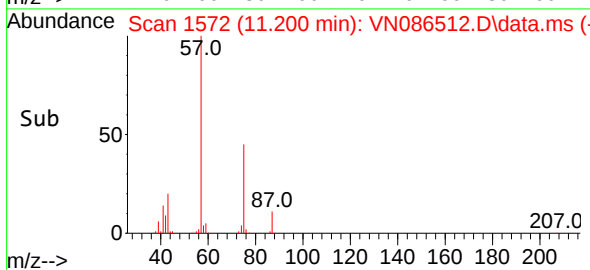
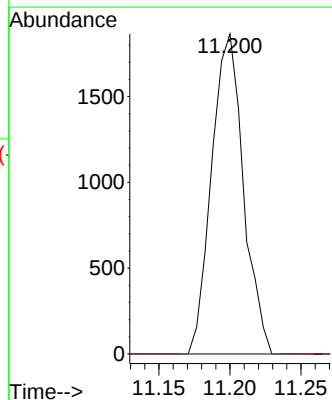
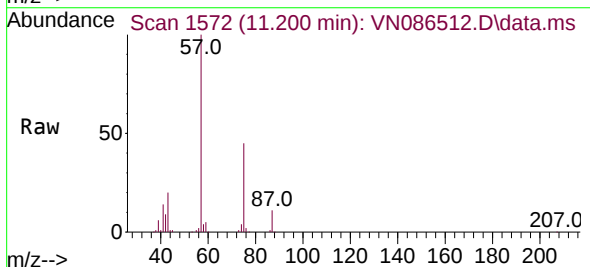
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP1

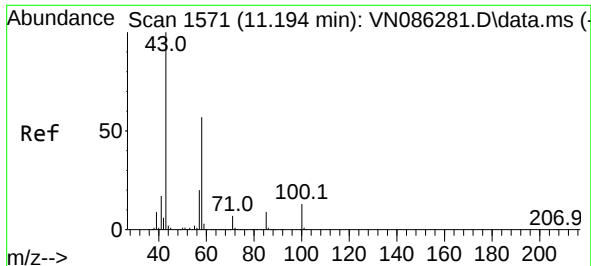
Tgt Ion: 75 Resp: 31536
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 27.3 39.3 58.9#



#57
 1,3-Dichloropropane
 Concen: 0.756 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN086512.D
 Acq: 06 May 2025 14:11

Tgt Ion: 76 Resp: 2902
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

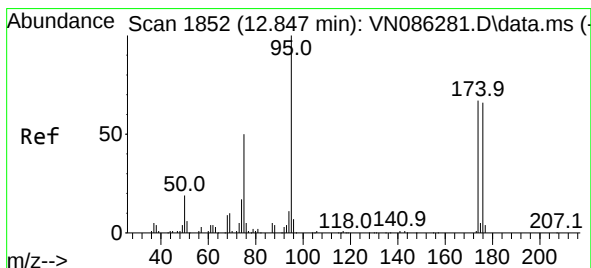
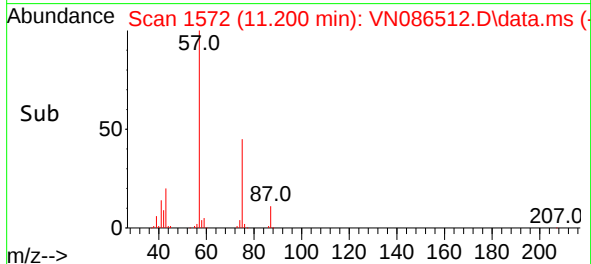
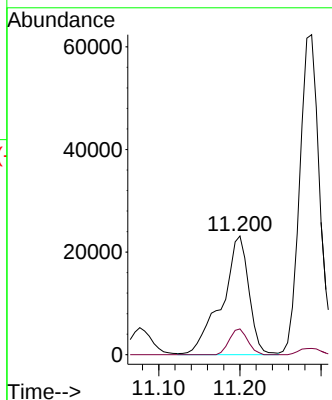
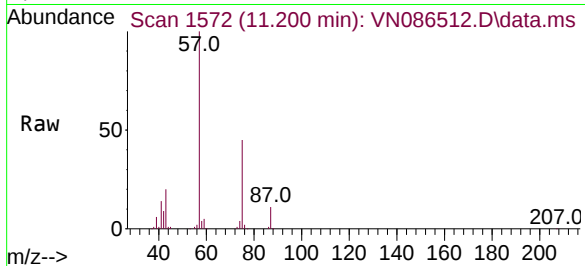




#59
2-Hexanone
Concen: 22.176 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

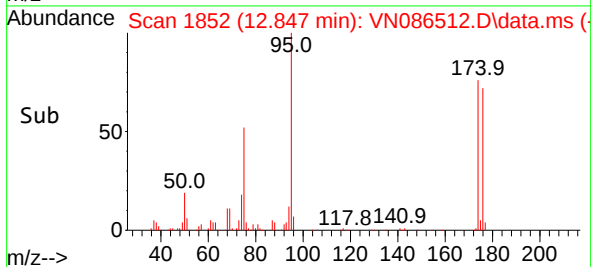
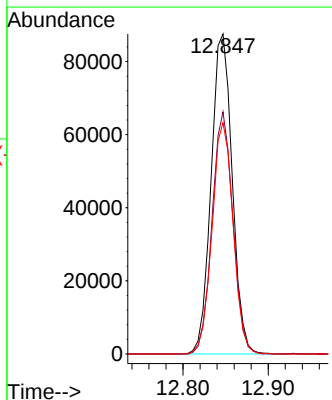
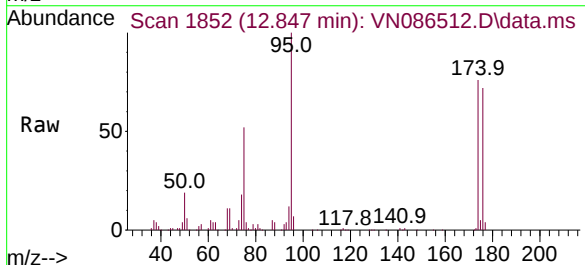
Instrument :
MSVOA_N
ClientSampleId :
COMP1

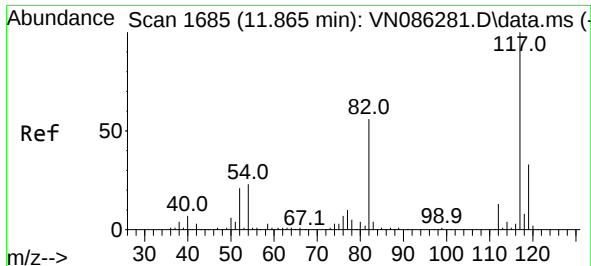
Tgt Ion: 43 Resp: 53309
Ion Ratio Lower Upper
43 100
58 14.8 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 51.331 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion: 95 Resp: 150608
Ion Ratio Lower Upper
95 100
174 74.7 0.0 133.4
176 72.0 0.0 129.2

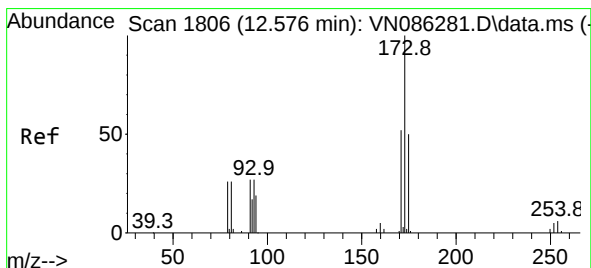
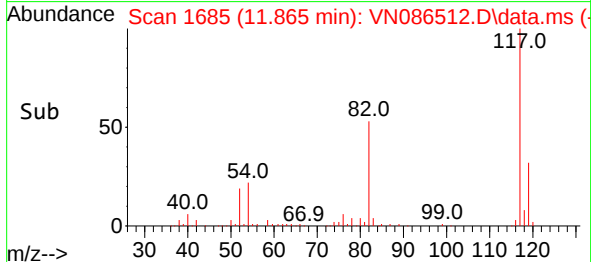
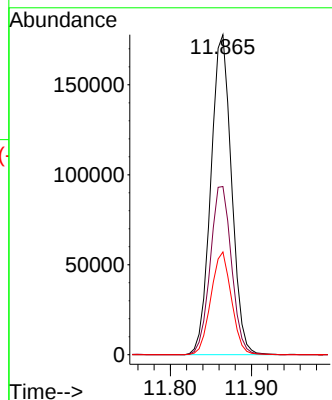
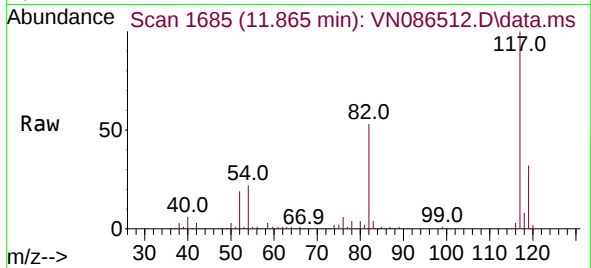




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

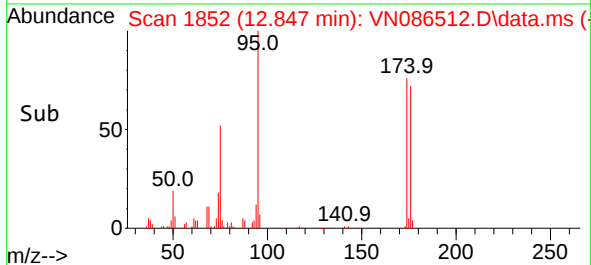
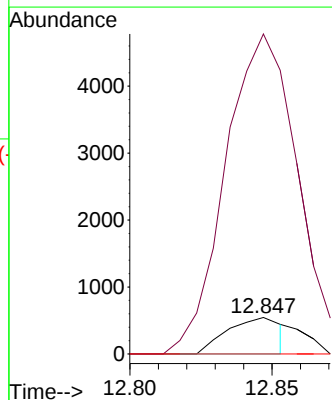
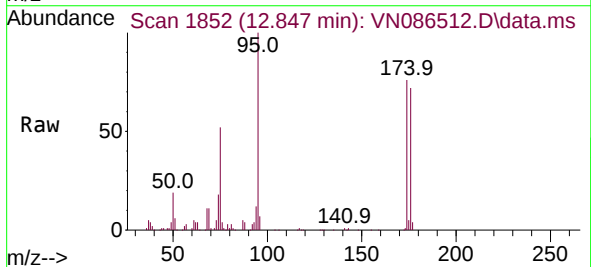
Instrument :
MSVOA_N
ClientSampleId :
COMP1

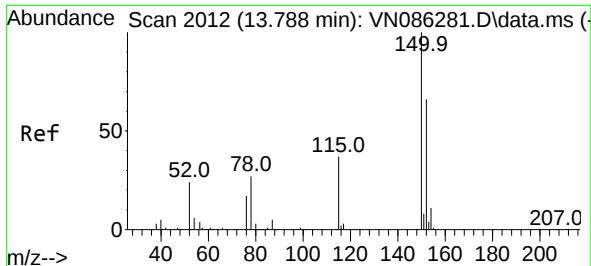
Tgt Ion:117 Resp: 314398
Ion Ratio Lower Upper
117 100
82 52.5 44.7 67.1
119 32.1 26.4 39.6



#71
Bromoform
Concen: 0.417 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion:173 Resp: 726
Ion Ratio Lower Upper
173 100
175 924.7 24.6 73.6#
254 0.0 0.0 0.0

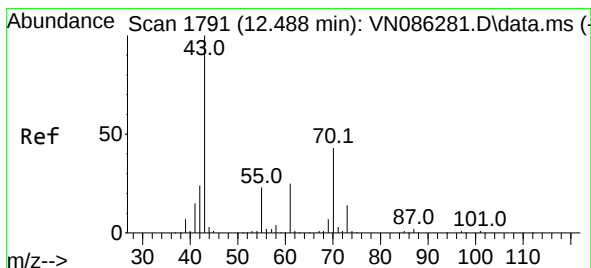
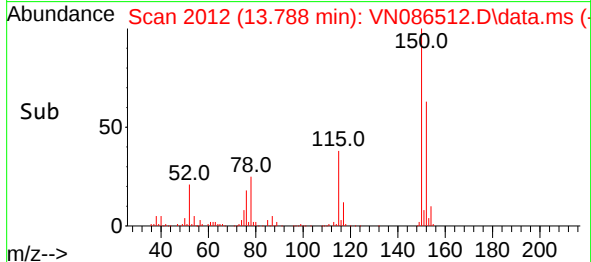
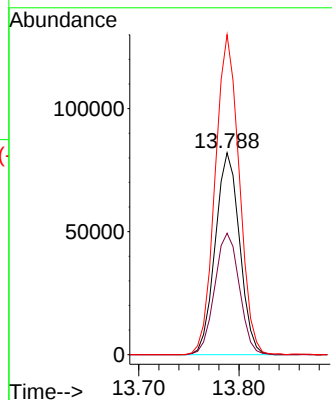
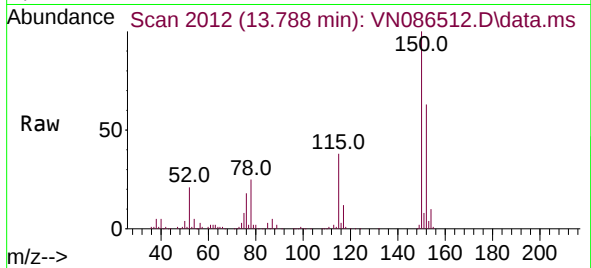




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

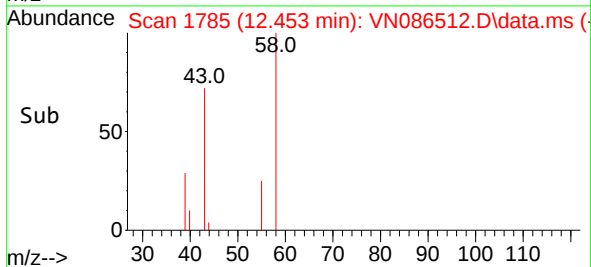
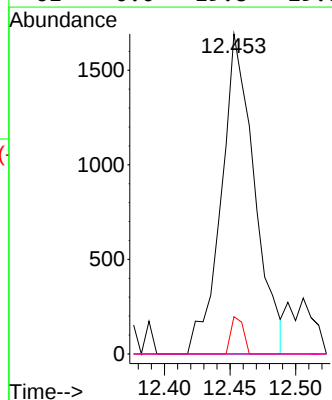
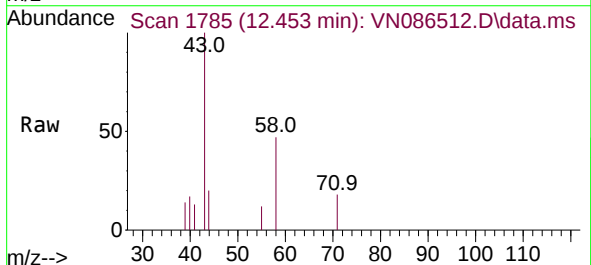
Instrument :
MSVOA_N
ClientSampleId :
COMP1

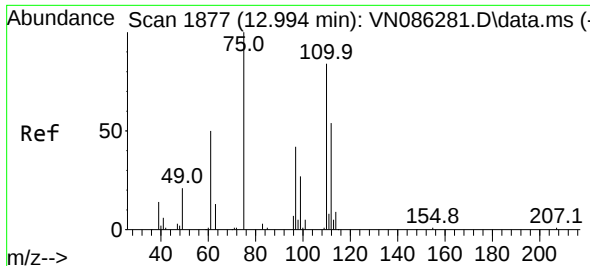
Tgt Ion:152 Resp: 138091
Ion Ratio Lower Upper
152 100
115 61.0 31.9 95.9
150 157.1 0.0 352.0



#74
N-ethyl acetate
Concen: 0.530 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion: 43 Resp: 2978
Ion Ratio Lower Upper
43 100
70 0.0 35.0 52.4#
55 4.3 19.0 28.4#
61 0.0 19.8 29.8#

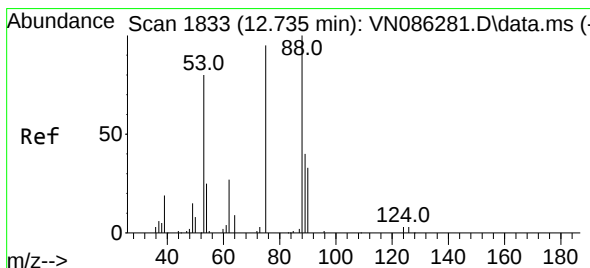
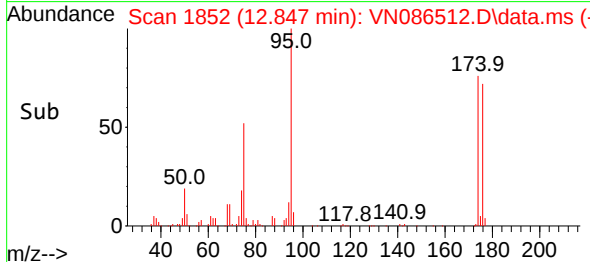
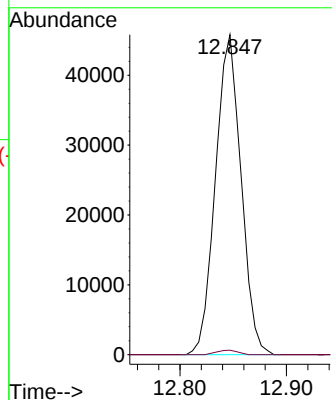
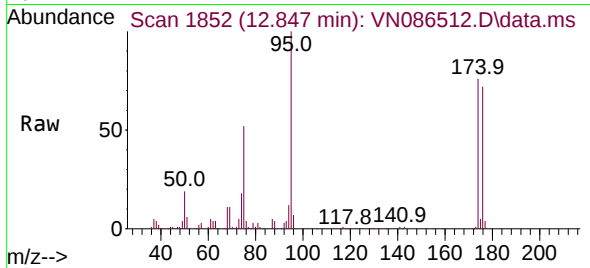




#76
1,2,3-Trichloropropane
Concen: 23.445 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Instrument :
MSVOA_N
ClientSampleId :
COMP1

Tgt Ion: 75 Resp: 76402
Ion Ratio Lower Upper
75 100
77 1.2 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.307 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086512.D
Acq: 06 May 2025 14:11

Tgt Ion: 75 Resp: 76402
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

