

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010625\
 Data File : VN085387.D
 Acq On : 06 Jan 2025 14:07
 Operator : JC\MD
 Sample : PB165935ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 07 00:23:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

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

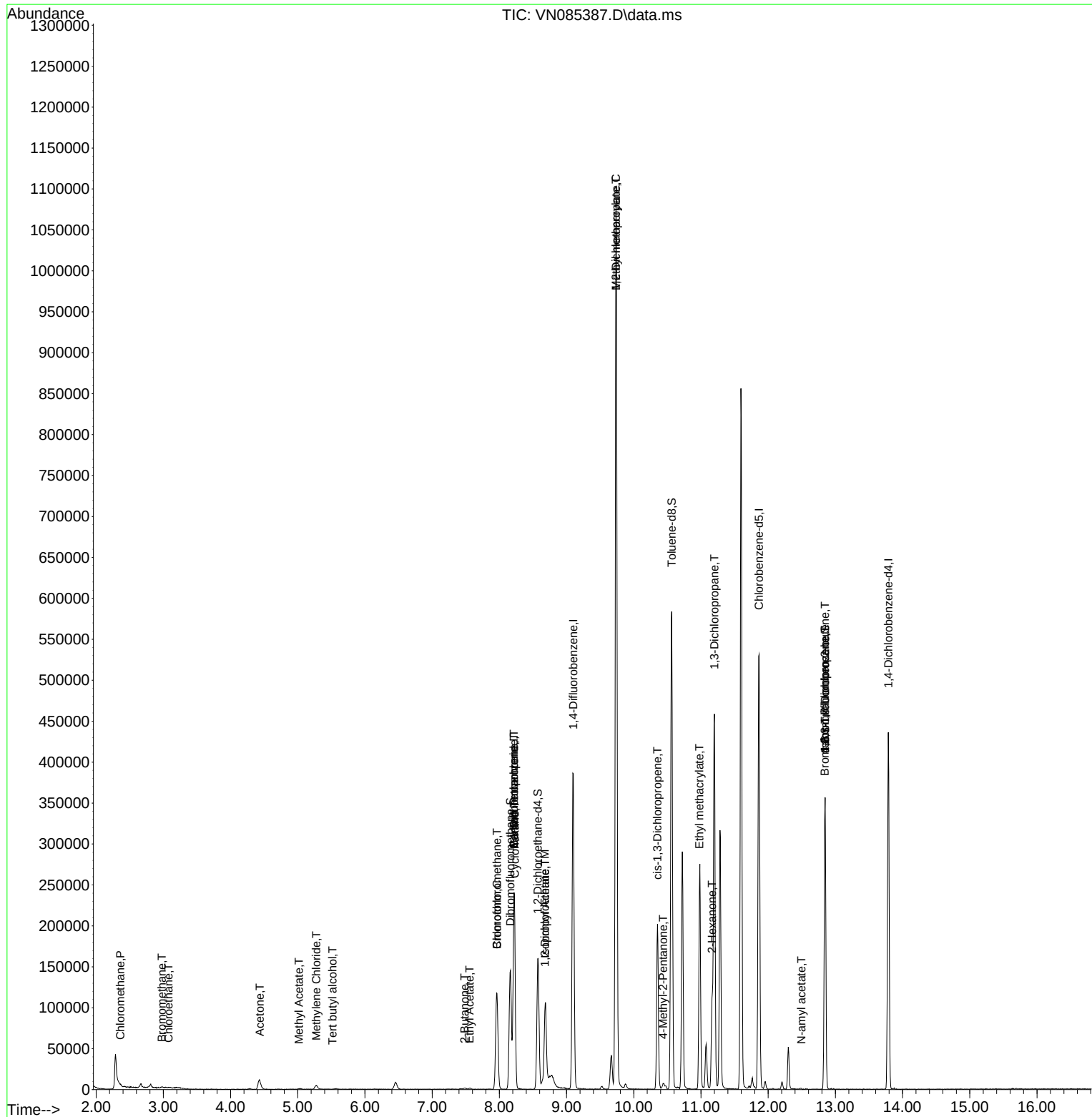
Internal Standards						
1) Pentafluorobenzene	8.218	168	161521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	321169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	136050	59.056	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 118.120%	
35) Dibromofluoromethane	8.165	113	103640	51.726	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.460%	
50) Toluene-d8	10.565	98	393423	53.509	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.020%	
62) 4-Bromofluorobenzene	12.847	95	118302	48.449	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	861	0.351	ug/l #	43
5) Bromomethane	2.977	94	630	0.371	ug/l	86
6) Chloroethane	3.077	64	409	0.248	ug/l #	45
11) Tert butyl alcohol	5.518	59	74	0.257	ug/l #	73
16) Acetone	4.436	43	23007	30.371	ug/l	91
18) Methyl Acetate	5.018	43	932	0.402	ug/l #	82
20) Methylene Chloride	5.277	84	3748	1.839	ug/l #	93
25) 2-Butanone	7.483	43	3015	2.565	ug/l	92
28) Bromochloromethane	7.965	49	10016	5.780	ug/l #	98
30) Chloroform	7.965	83	114968	30.136	ug/l	95
31) Cyclohexane	8.230	56	4764	1.399	ug/l #	49
36) 1,1-Dichloropropene	8.218	75	15734	5.363	ug/l #	50
37) Ethyl Acetate	7.559	43	2918	1.001	ug/l #	72
38) Carbon Tetrachloride	8.218	117	19151	5.989	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	796	0.250	ug/l #	76
43) Isopropyl Acetate	8.682	43	133118	27.726	ug/l #	84
45) 1,2-Dichloropropane	9.735	63	1236	0.549	ug/l #	43
48) Methyl methacrylate	9.735	41	103974	49.907	ug/l #	43
51) 4-Methyl-2-Pentanone	10.435	43	6354	2.355	ug/l #	86
54) cis-1,3-Dichloropropene	10.353	75	33051	9.549	ug/l #	72
56) Ethyl methacrylate	10.976	69	1252	0.431	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4700	1.343	ug/l #	43
59) 2-Hexanone	11.165	43	88004	47.011	ug/l #	25
71) Bromoform	12.841	173	716	0.483	ug/l #	28
74) N-amyl acetate	12.494	43	726	0.215	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	66540	32.515	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66540	77.869	ug/l #	10

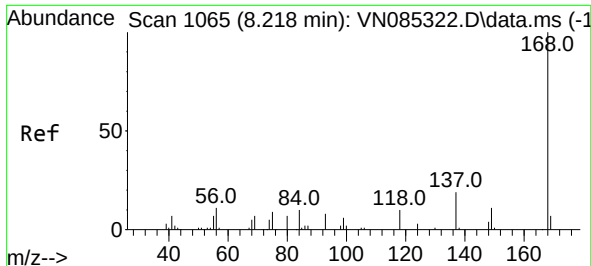
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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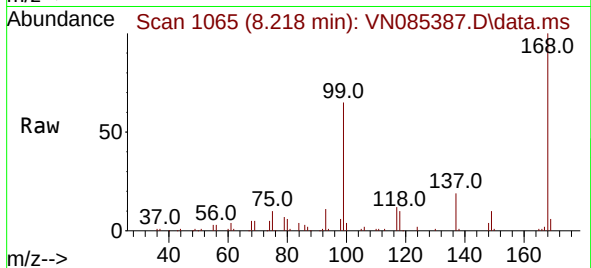
Quant Time: Jan 07 00:23:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
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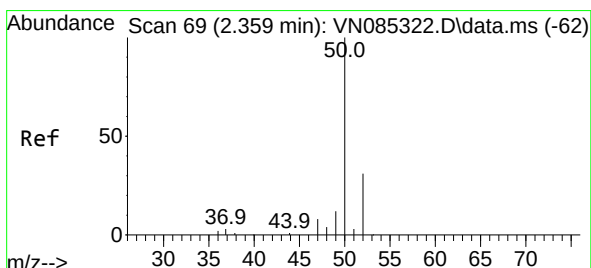
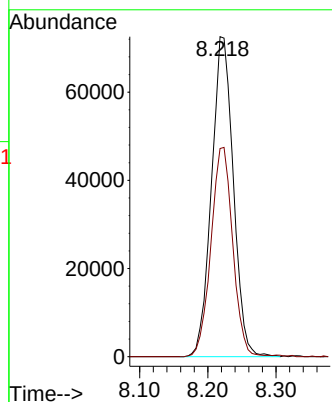
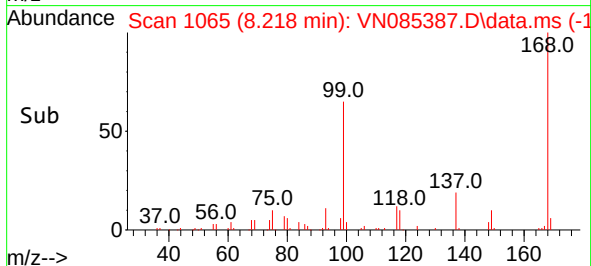


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

Instrument :
MSVOA_N
ClientSampleId :

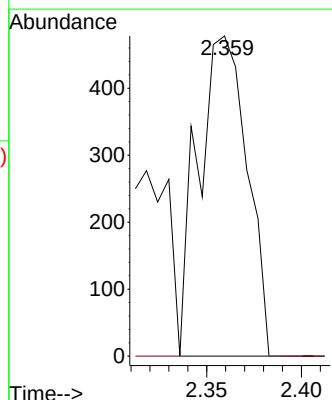
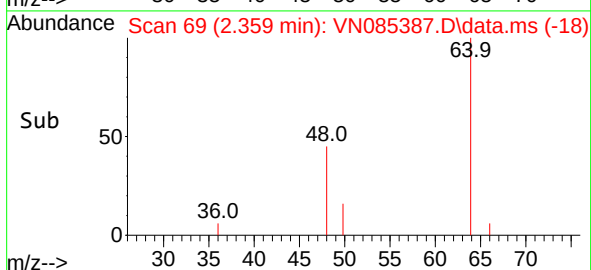
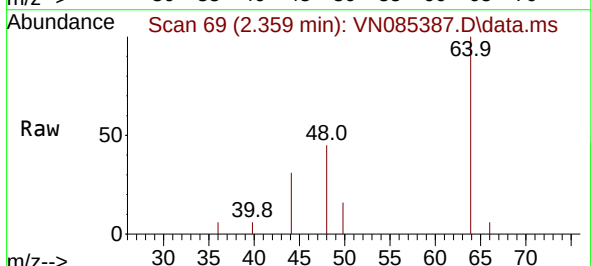


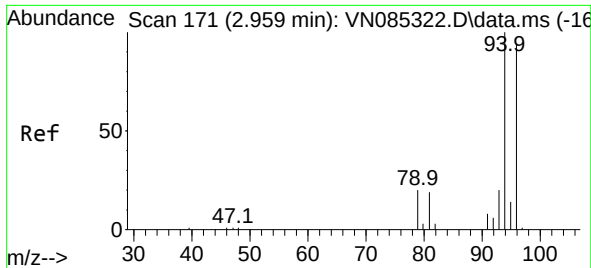
Tgt Ion:168 Resp: 161521
Ion Ratio Lower Upper
168 100
99 65.0 51.0 76.4



#3
Chloromethane
Concen: 0.351 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

Tgt Ion: 50 Resp: 861
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#

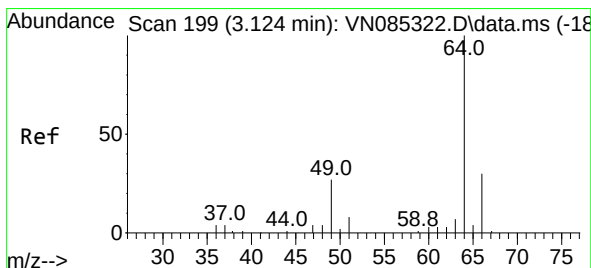
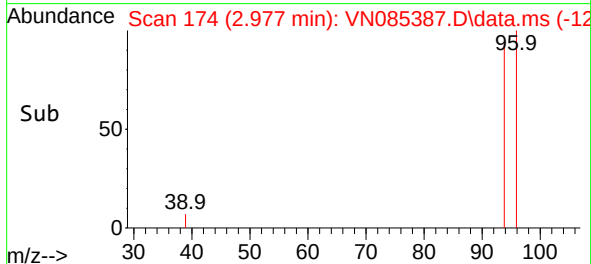
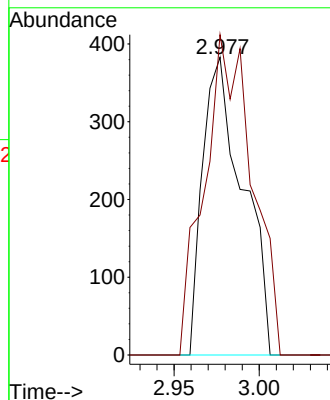
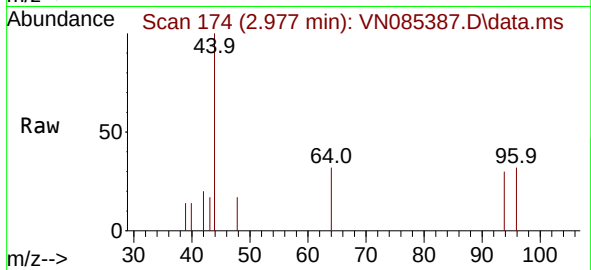




#5
Bromomethane
Concen: 0.371 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

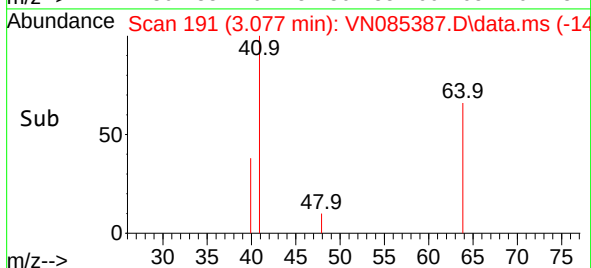
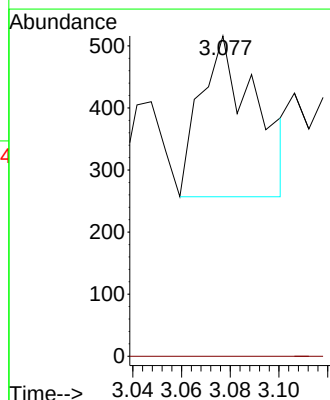
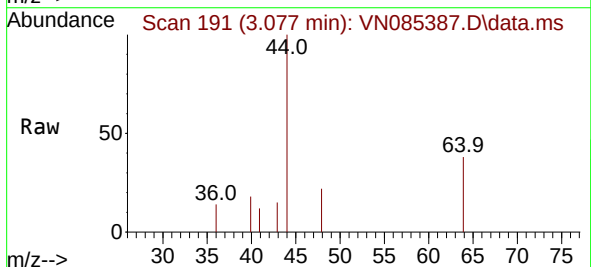
Instrument :
MSVOA_N
ClientSampleId :

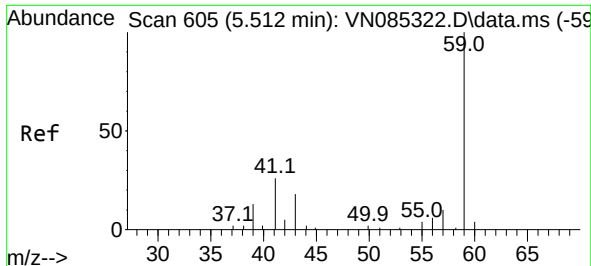
Tgt Ion: 94 Resp: 630
Ion Ratio Lower Upper
94 100
96 107.6 75.2 112.8



#6
Chloroethane
Concen: 0.248 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.047 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

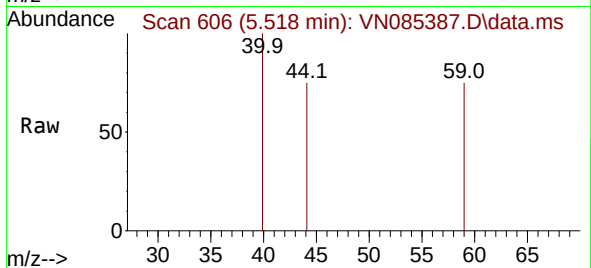
Tgt Ion: 64 Resp: 409
Ion Ratio Lower Upper
64 100
66 0.0 24.1 36.1#



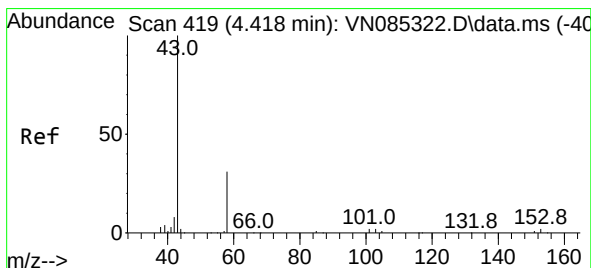
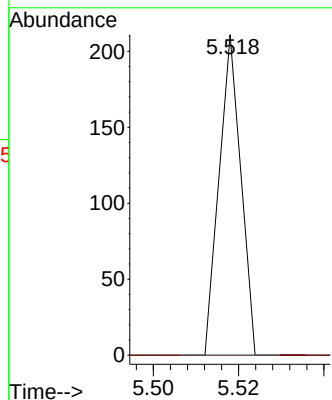
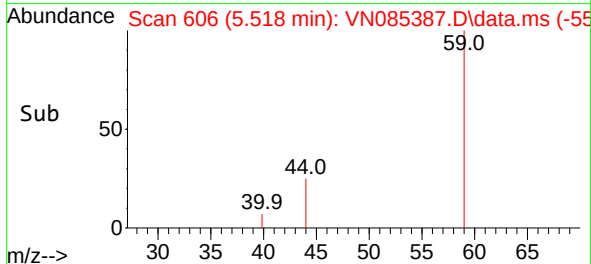


#11
Tert butyl alcohol
Concen: 0.257 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

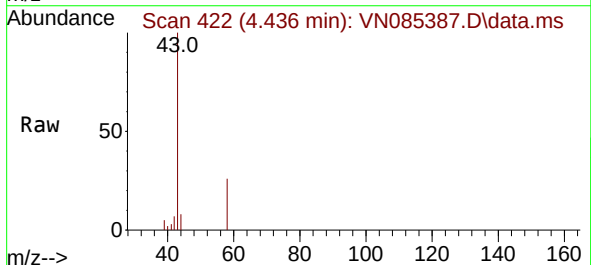
Instrument :
MSVOA_N
ClientSampleId :



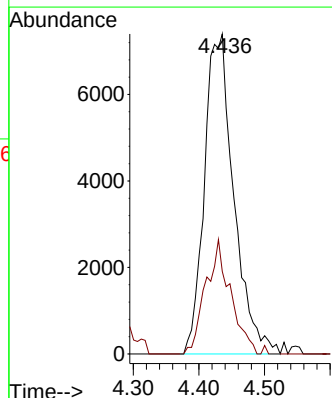
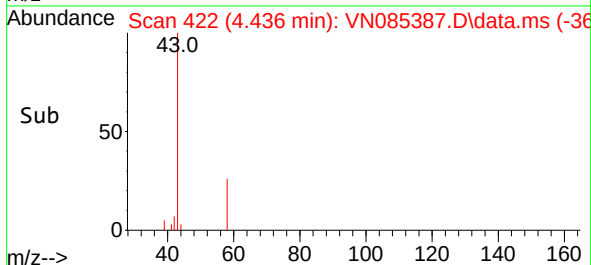
Tgt Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

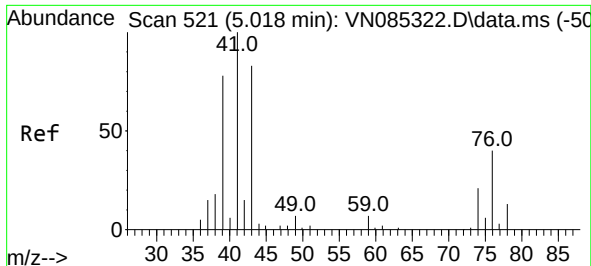


#16
Acetone
Concen: 30.371 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07



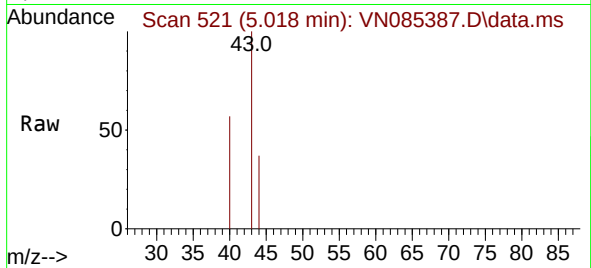
Tgt Ion: 43 Resp: 23007
Ion Ratio Lower Upper
43 100
58 25.8 24.5 36.7



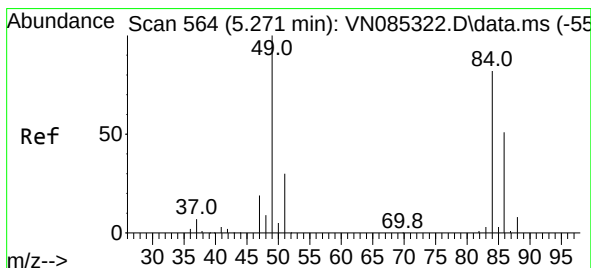
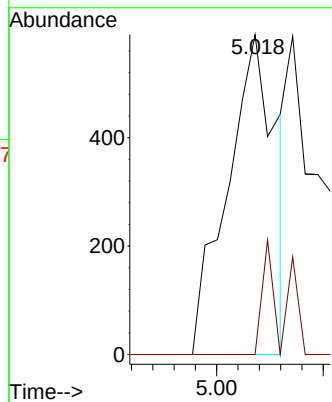
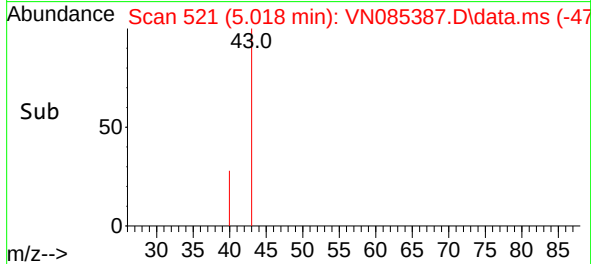


#18
Methyl Acetate
Concen: 0.402 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

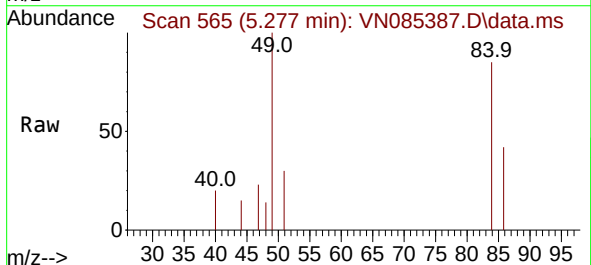
Instrument :
MSVOA_N
ClientSampleId :



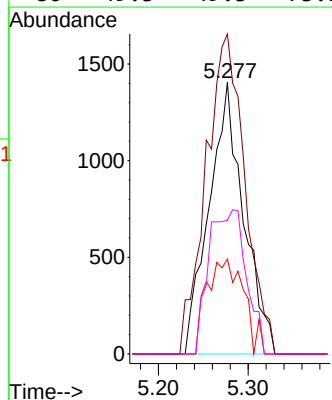
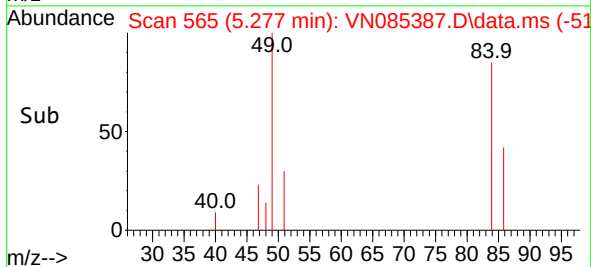
Tgt Ion: 43 Resp: 932
Ion Ratio Lower Upper
43 100
74 14.8 19.0 28.6#

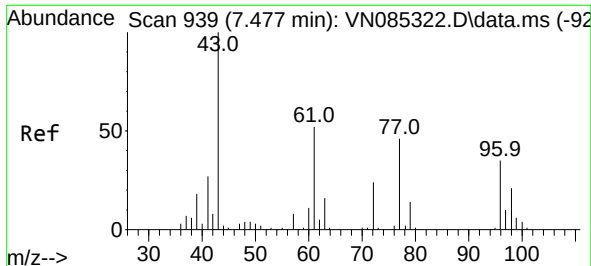


#20
Methylene Chloride
Concen: 1.839 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07



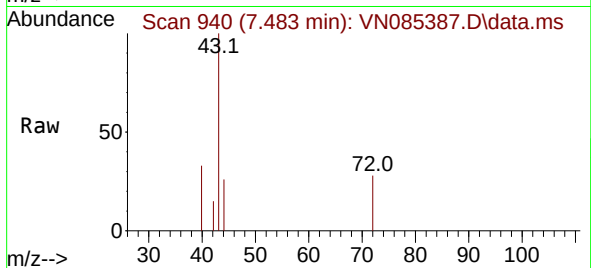
Tgt Ion: 84 Resp: 3748
Ion Ratio Lower Upper
84 100
49 117.9 97.6 146.4
51 35.0 29.1 43.7
86 49.3 49.3 73.9#



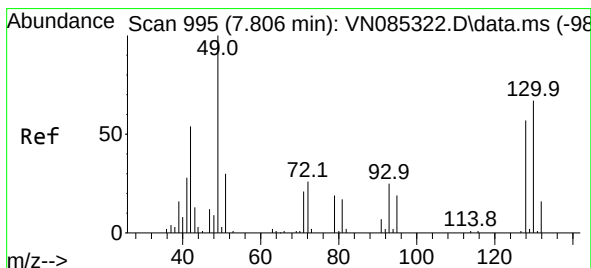
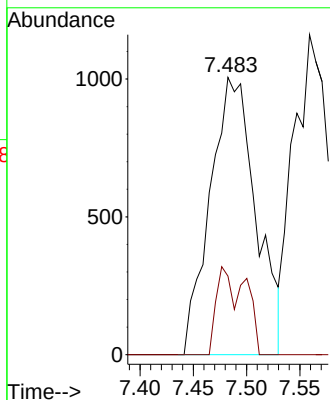
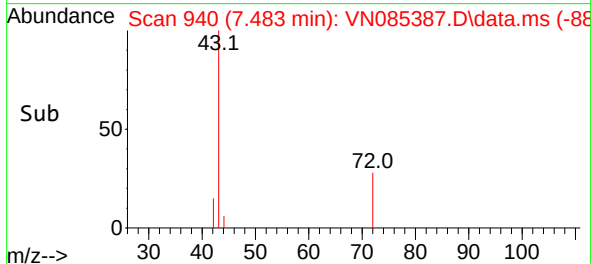


#25
2-Butanone
Concen: 2.565 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

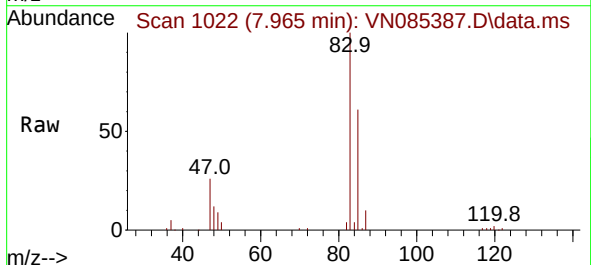
Instrument :
MSVOA_N
ClientSampleId :



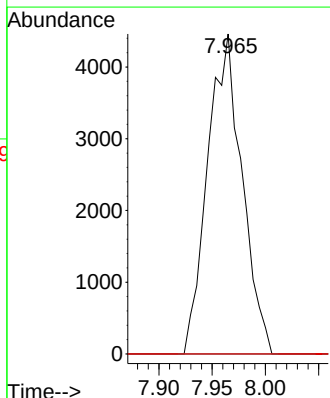
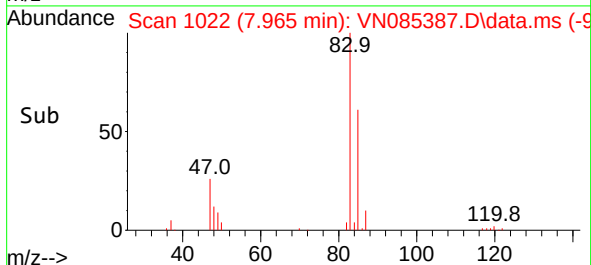
Tgt Ion: 43 Resp: 3015
Ion Ratio Lower Upper
43 100
72 28.3 19.6 29.4

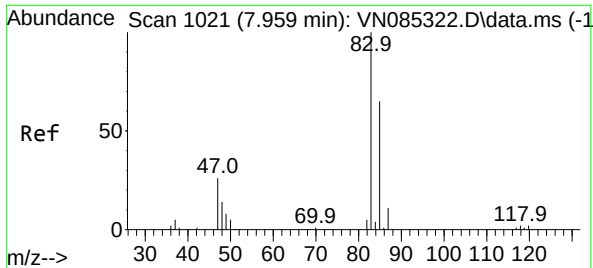


#28
Bromochloromethane
Concen: 5.780 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.159 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07



Tgt Ion: 49 Resp: 10016
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.0
130 0.0 0.0 0.0

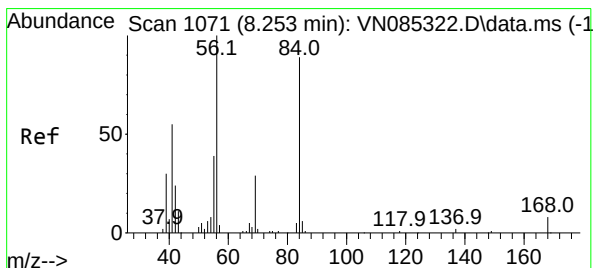
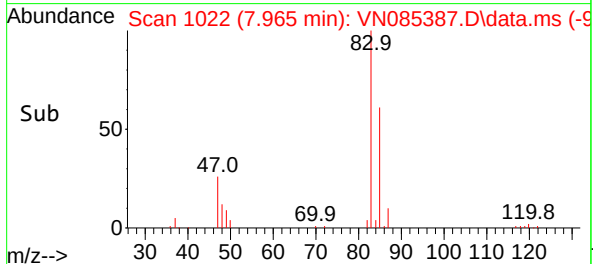
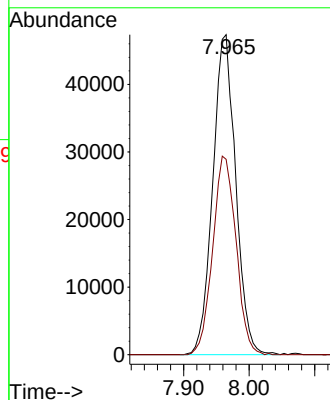
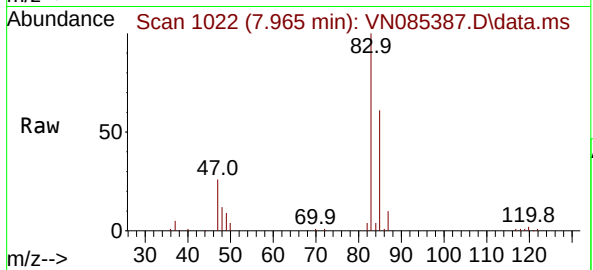




#30
Chloroform
Concen: 30.136 ug/l
RT: 7.965 min Scan# 1021
Delta R.T. 0.006 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

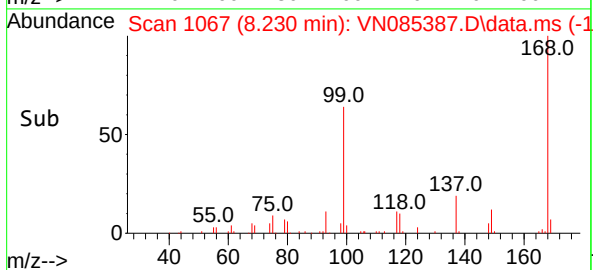
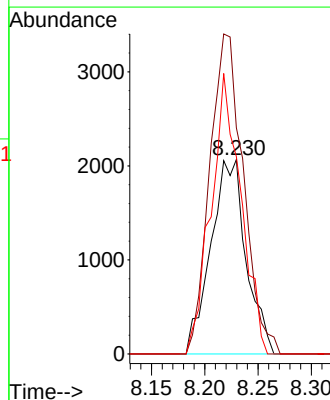
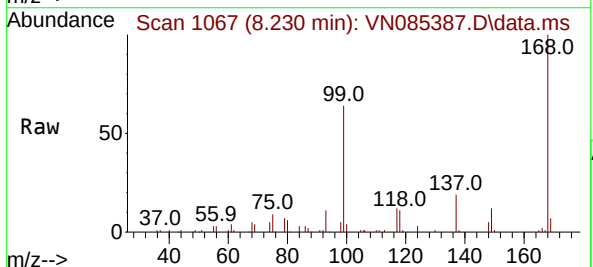
Instrument :
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ClientSampleId :

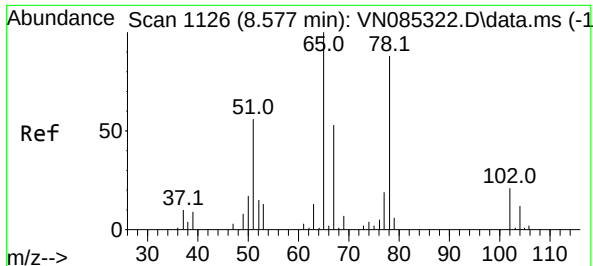
Tgt Ion: 83 Resp: 114968
Ion Ratio Lower Upper
83 100
85 61.0 52.0 78.0



#31
Cyclohexane
Concen: 1.399 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

Tgt Ion: 56 Resp: 4764
Ion Ratio Lower Upper
56 100
69 116.3 23.4 35.0#
84 101.5 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 59.056 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN085387.D

Acq: 06 Jan 2025 14:07

Instrument :

MSVOA_N

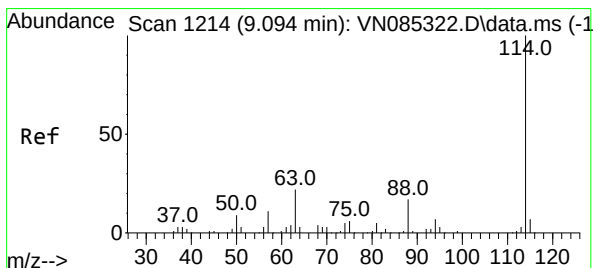
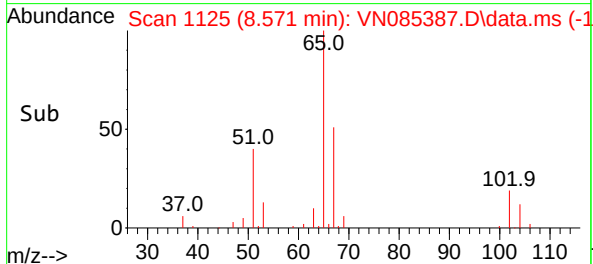
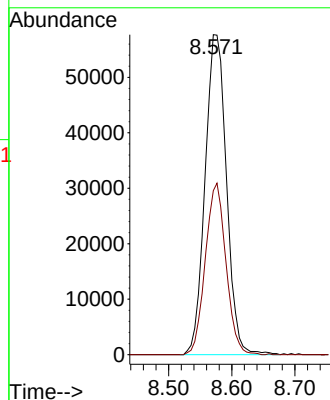
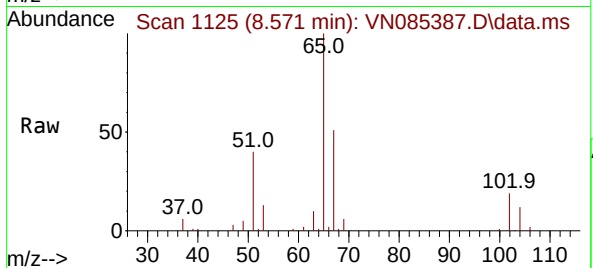
ClientSampleId :

Tgt Ion: 65 Resp: 136050

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085387.D

Acq: 06 Jan 2025 14:07

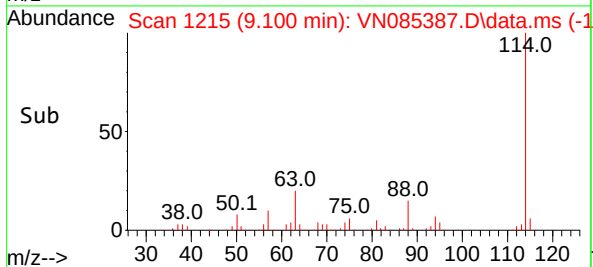
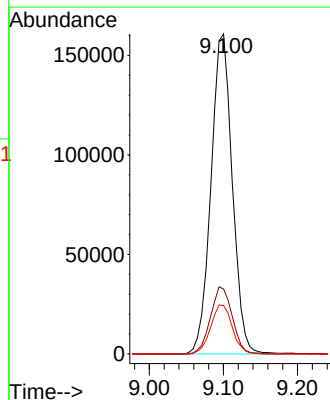
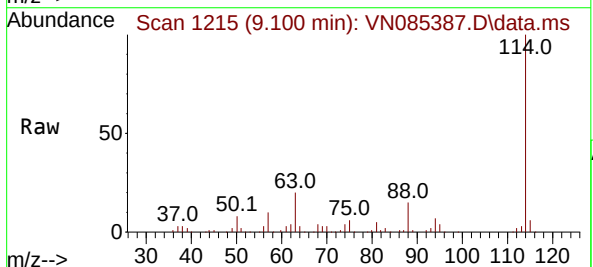
Tgt Ion: 114 Resp: 321169

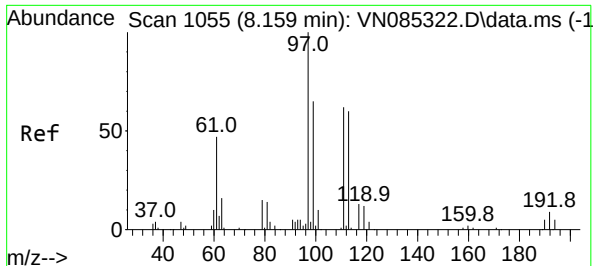
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.4

88 15.2 0.0 33.6





#35

Dibromofluoromethane

Concen: 51.726 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085387.D

Acq: 06 Jan 2025 14:07

Instrument :

MSVOA_N

ClientSampleId :

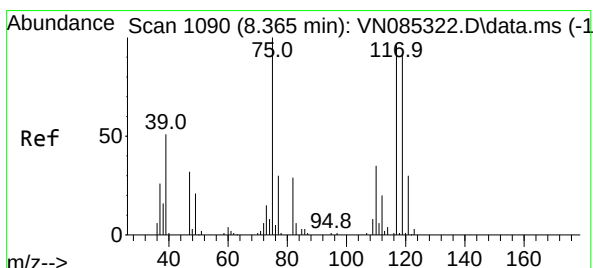
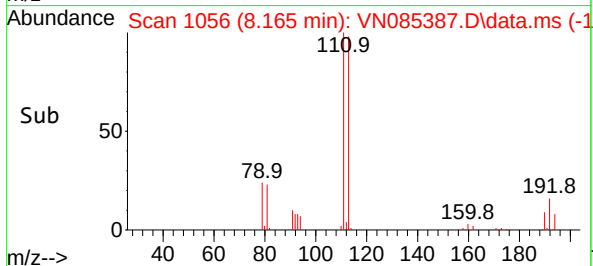
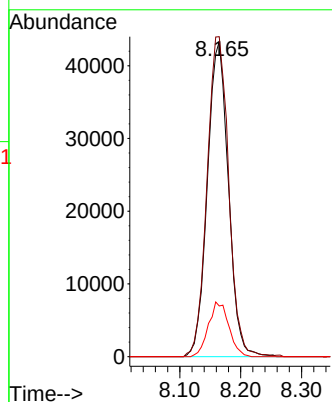
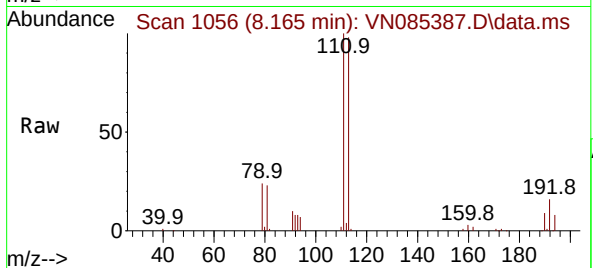
Tgt Ion:113 Resp: 103640

Ion Ratio Lower Upper

113 100

111 104.8 80.5 120.7

192 16.9 12.9 19.3



#36

1,1-Dichloropropene

Concen: 5.363 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085387.D

Acq: 06 Jan 2025 14:07

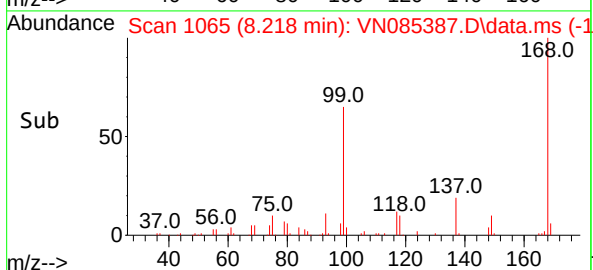
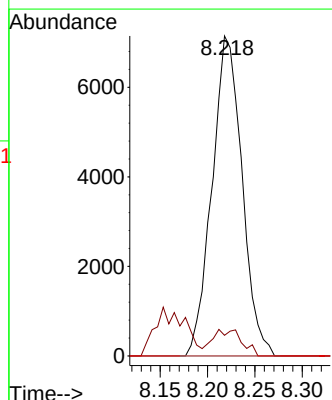
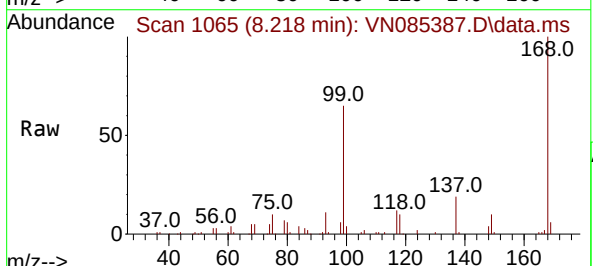
Tgt Ion: 75 Resp: 15734

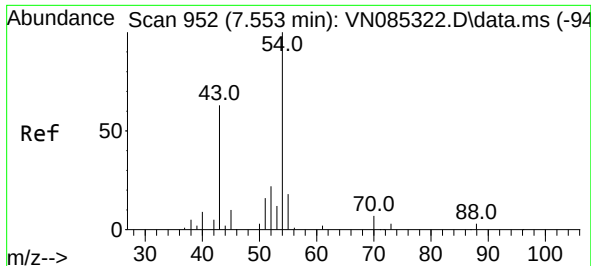
Ion Ratio Lower Upper

75 100

110 8.0 16.6 49.8#

77 0.0 24.3 36.5#

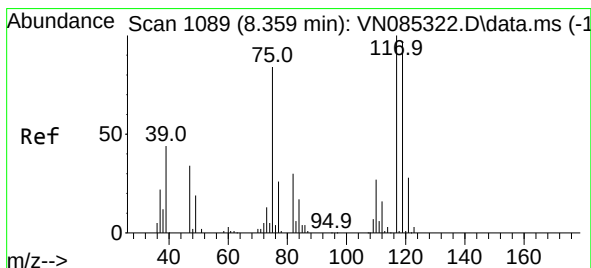
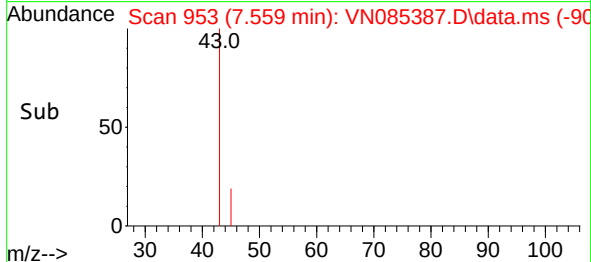
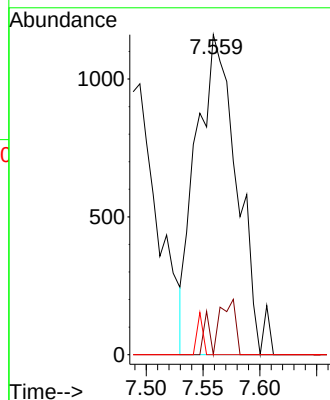
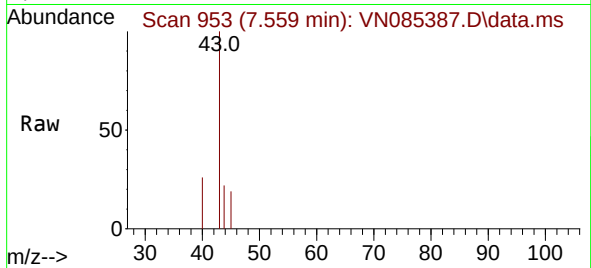




#37
Ethyl Acetate
Concen: 1.001 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

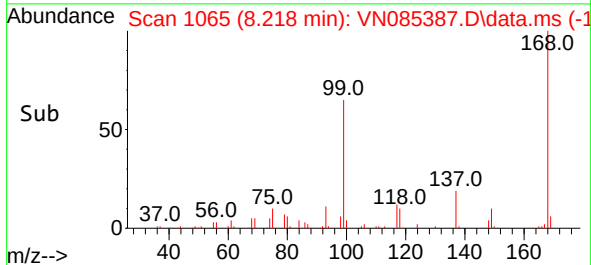
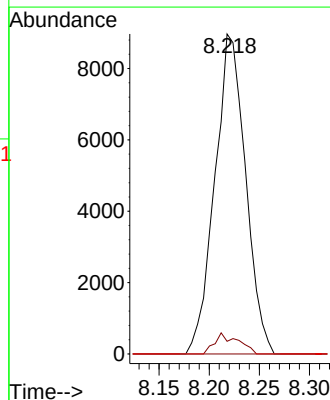
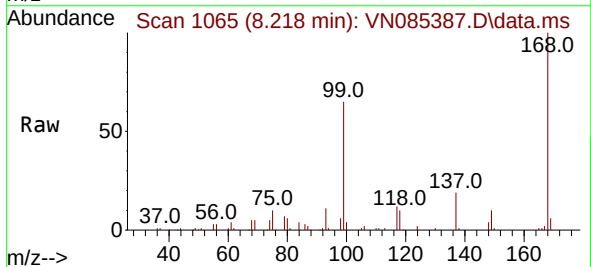
Instrument :
MSVOA_N
ClientSampleId :

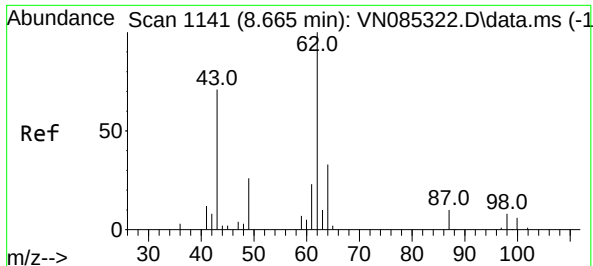
Tgt Ion: 43 Resp: 2918
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 1.9 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 5.989 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

Tgt Ion: 117 Resp: 19151
Ion Ratio Lower Upper
117 100
119 4.0 77.8 116.6#
121 0.0 22.5 33.7#





#42

1,2-Dichloroethane

Concen: 0.250 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.012 min

Lab File: VN085387.D

Acq: 06 Jan 2025 14:07

Instrument :

MSVOA_N

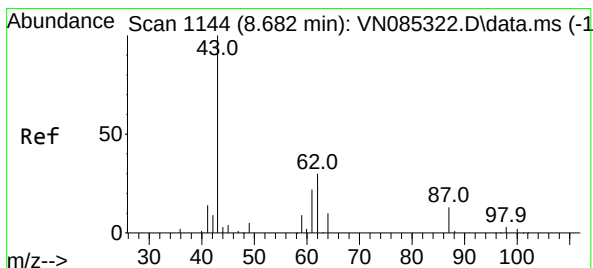
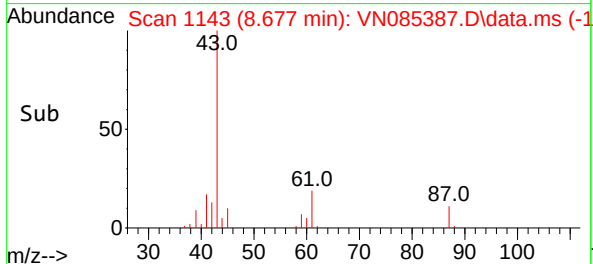
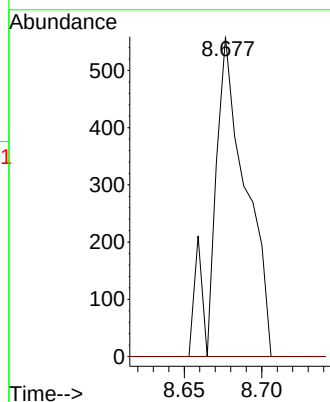
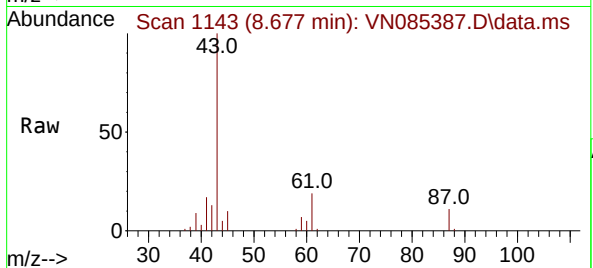
ClientSampleId :

Tgt Ion: 62 Resp: 796

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.6



#43

Isopropyl Acetate

Concen: 27.726 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN085387.D

Acq: 06 Jan 2025 14:07

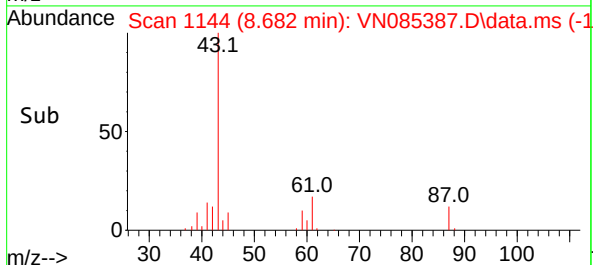
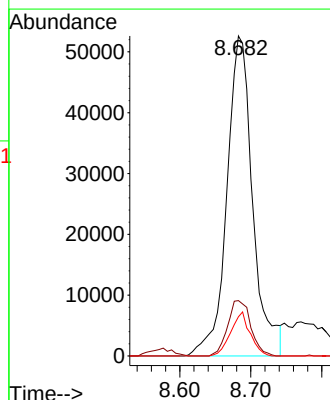
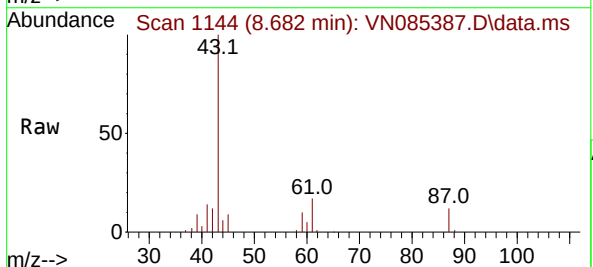
Tgt Ion: 43 Resp: 133118

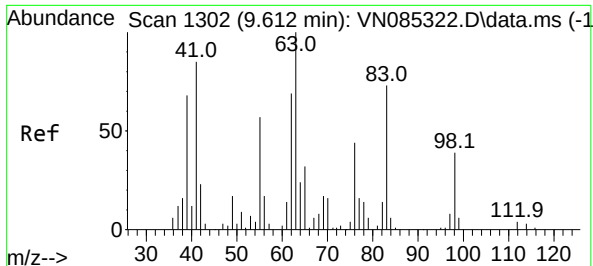
Ion Ratio Lower Upper

43 100

61 15.5 20.8 31.2#

87 10.3 10.2 15.4





#45

1,2-Dichloropropane

Concen: 0.549 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN085387.D

Acq: 06 Jan 2025 14:07

Instrument :

MSVOA_N

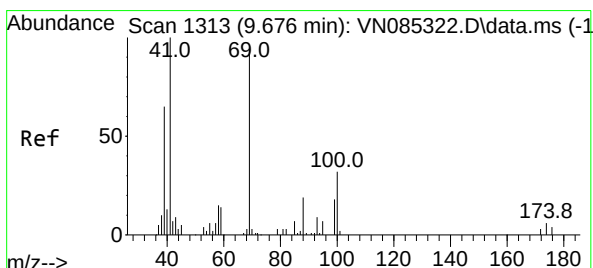
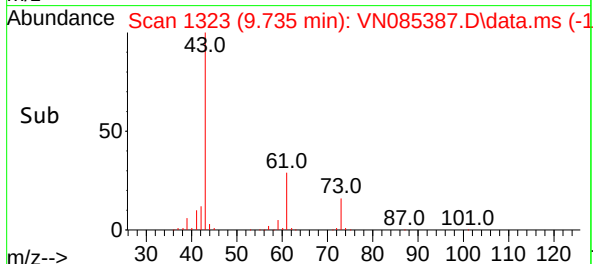
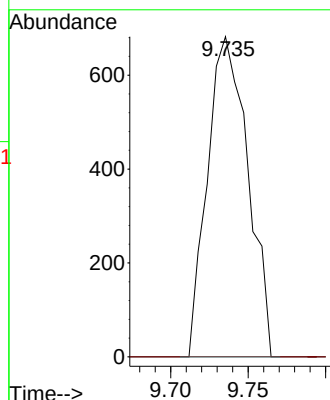
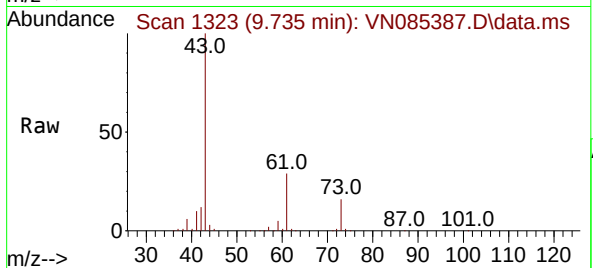
ClientSampleId :

Tgt Ion: 63 Resp: 1236

Ion Ratio Lower Upper

63 100

65 0.0 25.5 38.3#



#48

Methyl methacrylate

Concen: 49.907 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN085387.D

Acq: 06 Jan 2025 14:07

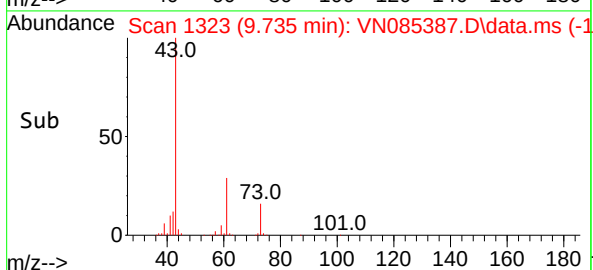
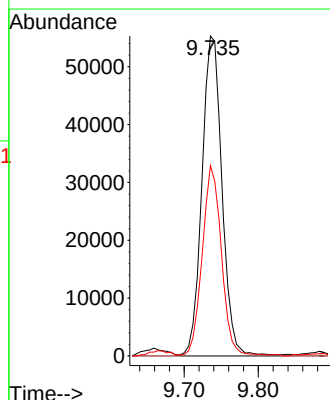
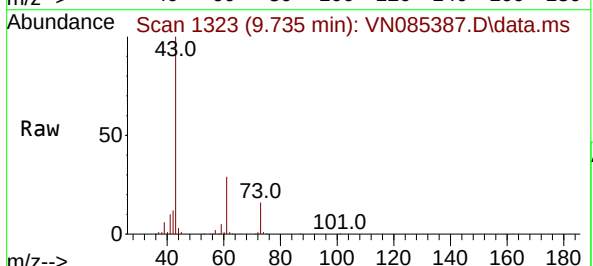
Tgt Ion: 41 Resp: 103974

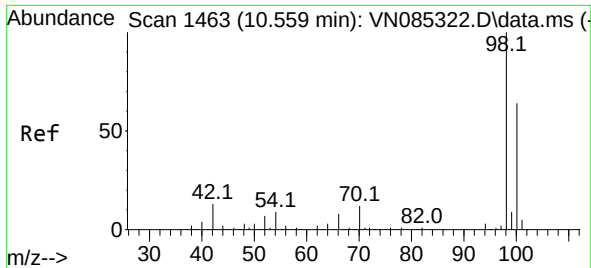
Ion Ratio Lower Upper

41 100

69 0.0 67.7 101.5#

39 56.0 51.2 76.8

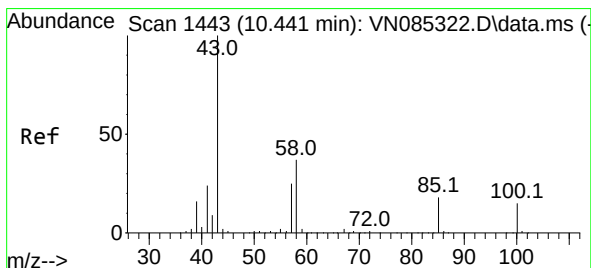
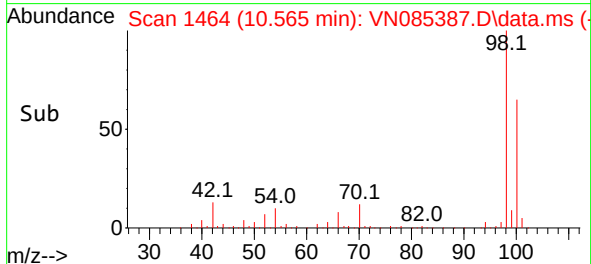
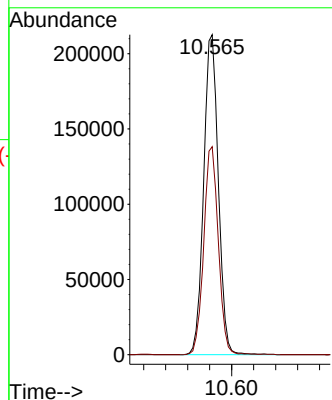
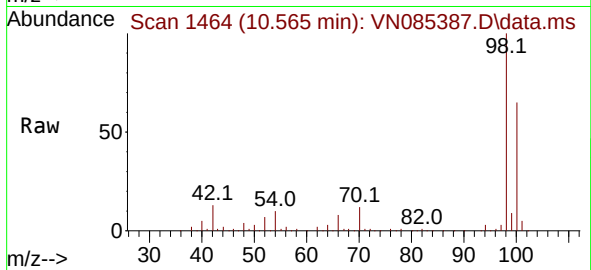




#50
Toluene-d8
Concen: 53.509 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

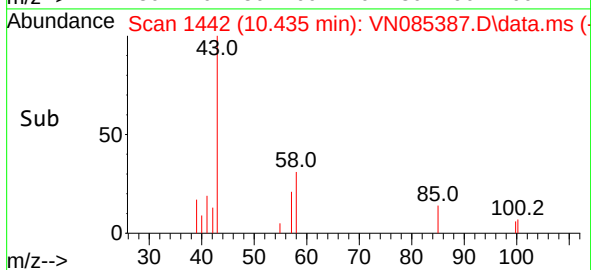
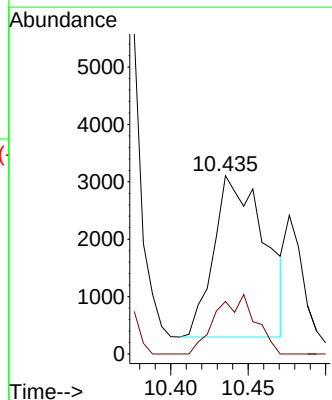
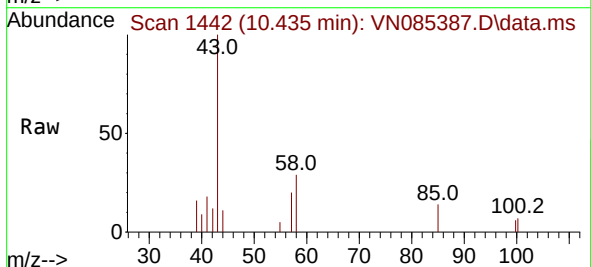
Instrument :
MSVOA_N
ClientSampleId :

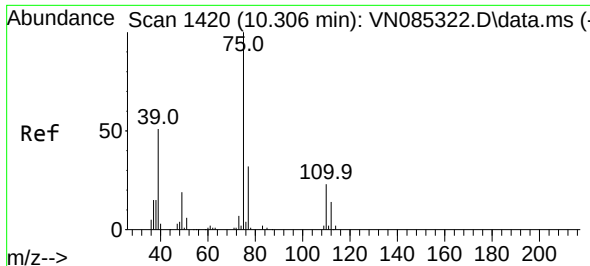
Tgt Ion: 98 Resp: 393423
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.355 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

Tgt Ion: 43 Resp: 6354
Ion Ratio Lower Upper
43 100
58 29.2 30.3 45.5#

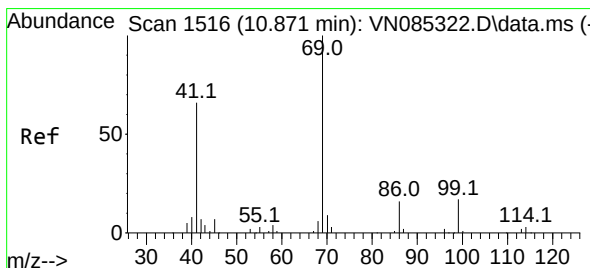
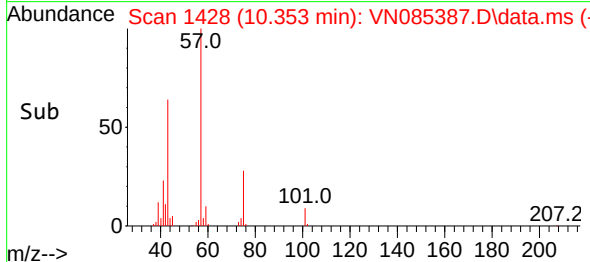
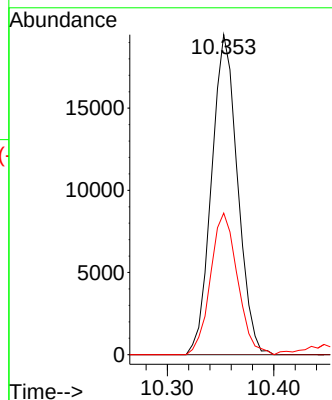
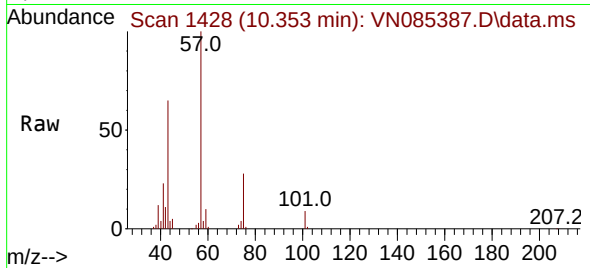




#54
 cis-1,3-Dichloropropene
 Concen: 9.549 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085387.D
 Acq: 06 Jan 2025 14:07

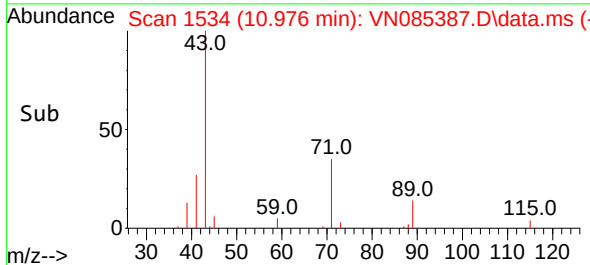
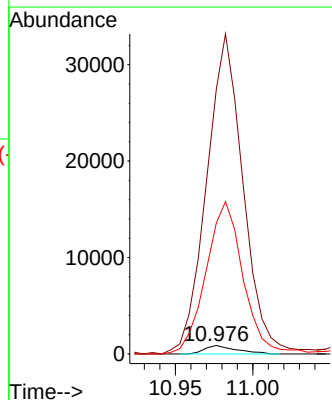
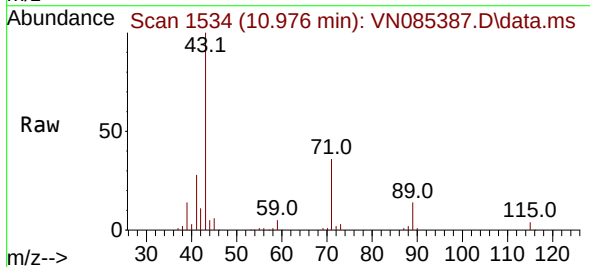
Instrument :
 MSVOA_N
 ClientSampleId :

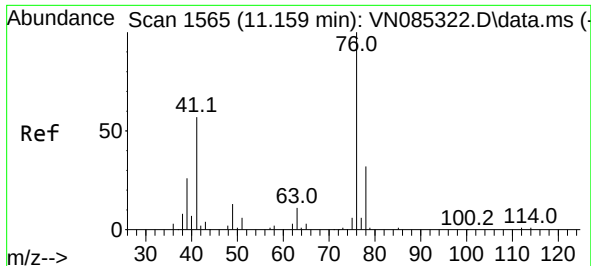
Tgt Ion: 75 Resp: 33051
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 44.2 40.5 60.7



#56
 Ethyl methacrylate
 Concen: 0.431 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN085387.D
 Acq: 06 Jan 2025 14:07

Tgt Ion: 69 Resp: 1252
 Ion Ratio Lower Upper
 69 100
 41 4364.9 54.3 81.5#
 39 2106.4 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.343 ug/l

RT: 11.200 min Scan# 1

Delta R.T. 0.041 min

Lab File: VN085387.D

Acq: 06 Jan 2025 14:07

Instrument :

MSVOA_N

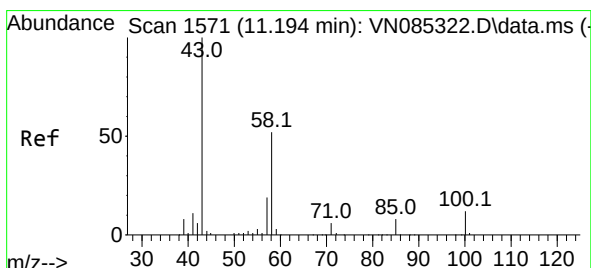
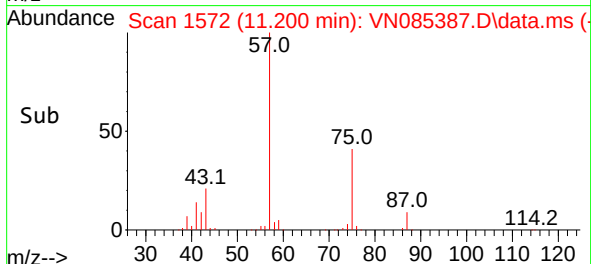
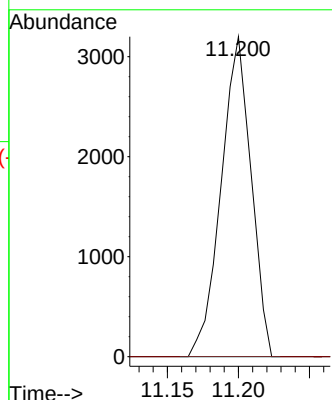
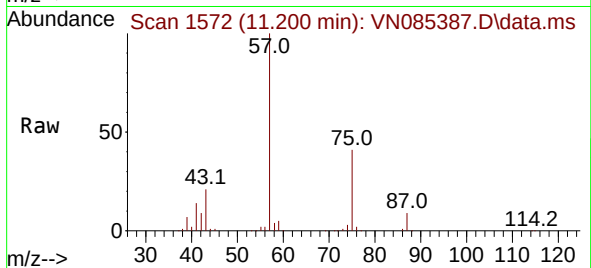
ClientSampleId :

Tgt Ion: 76 Resp: 4700

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 47.011 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.029 min

Lab File: VN085387.D

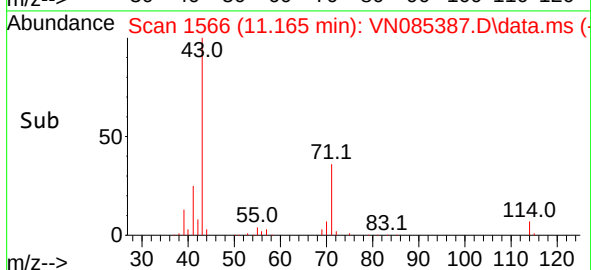
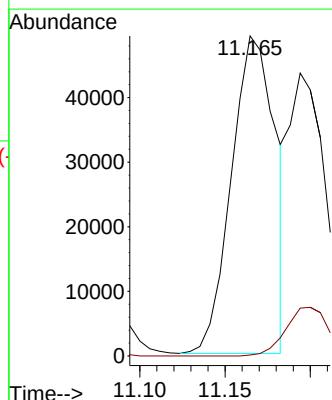
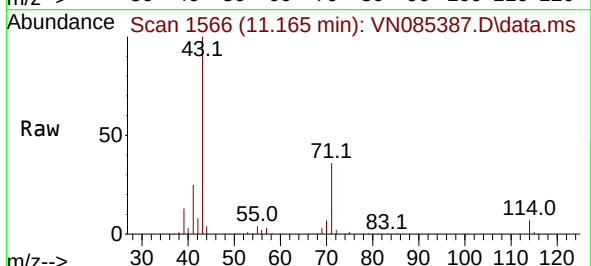
Acq: 06 Jan 2025 14:07

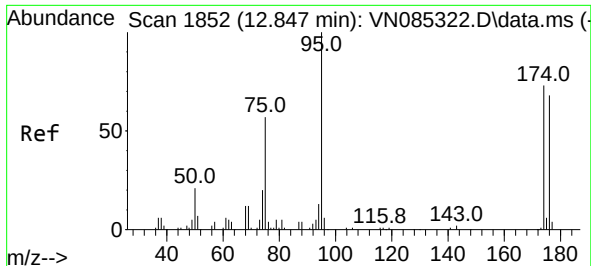
Tgt Ion: 43 Resp: 88004

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.5#

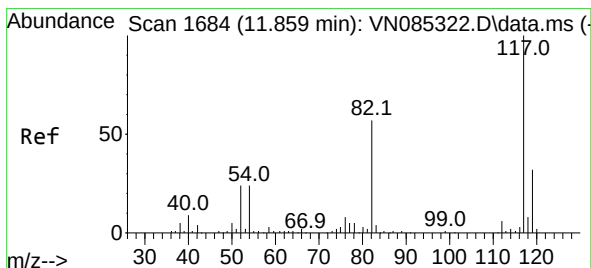
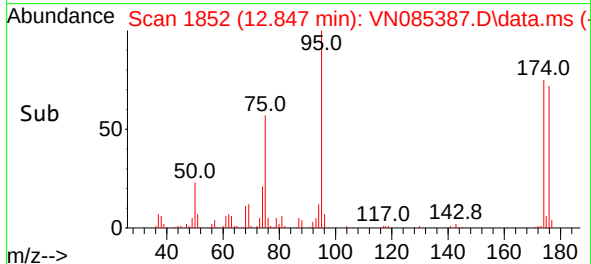
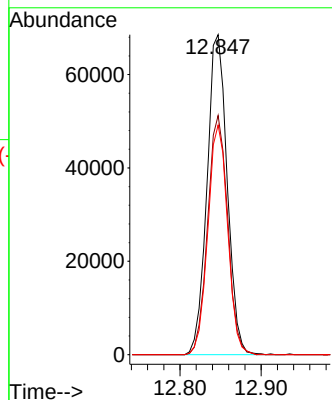
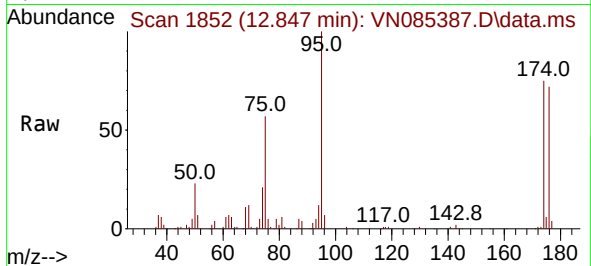




#62
4-Bromofluorobenzene
Concen: 48.449 ug/l
RT: 12.847 min Scan# 118302
Delta R.T. 0.000 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

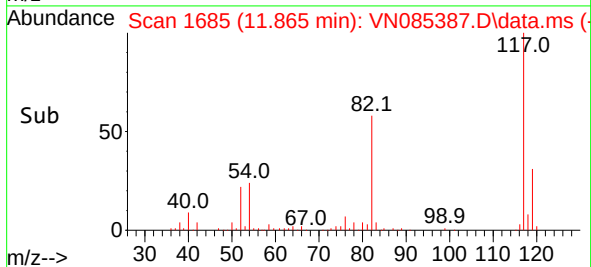
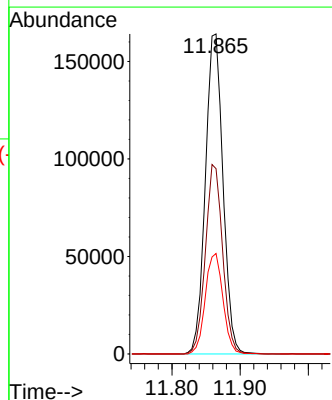
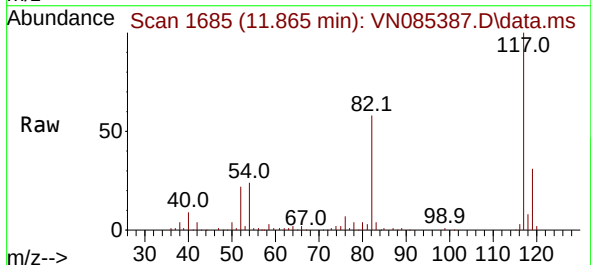
Instrument :
MSVOA_N
ClientSampleId :

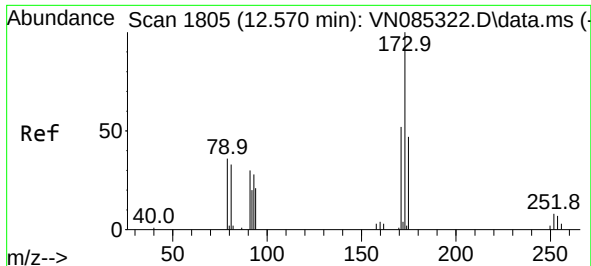
Tgt Ion: 95 Resp: 118302
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.2
176 70.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

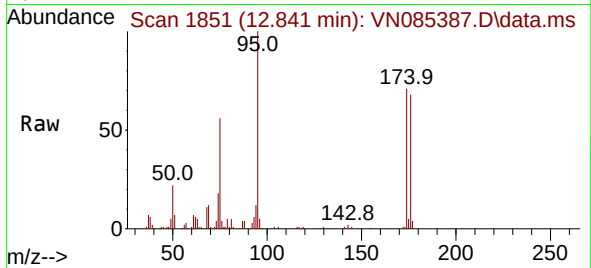
Tgt Ion: 117 Resp: 294898
Ion Ratio Lower Upper
117 100
82 57.9 45.7 68.5
119 31.4 25.8 38.8



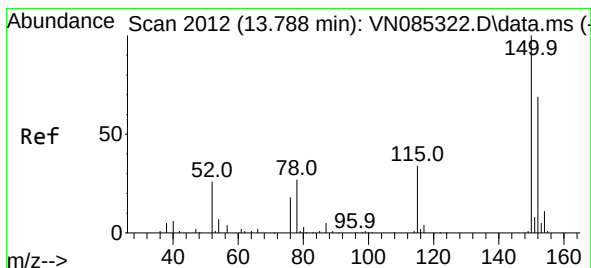
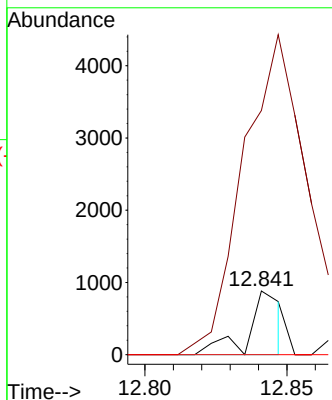
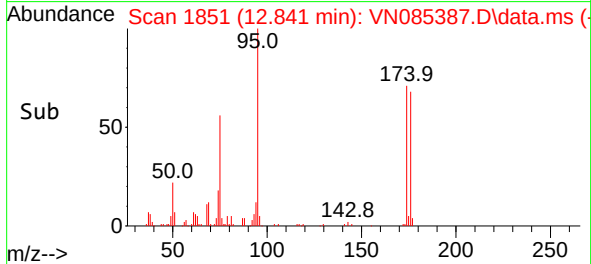


#71
Bromoform
Concen: 0.483 ug/l
RT: 12.841 min Scan# 1805
Delta R.T. 0.271 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07

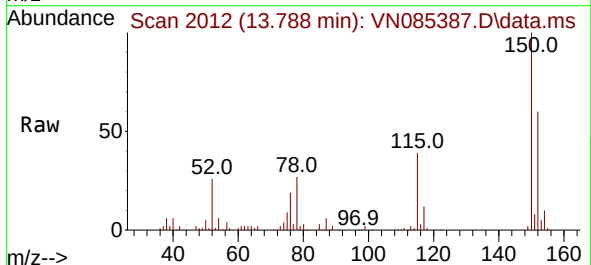
Instrument :
MSVOA_N
ClientSampleId :



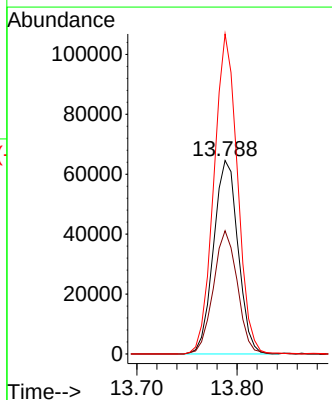
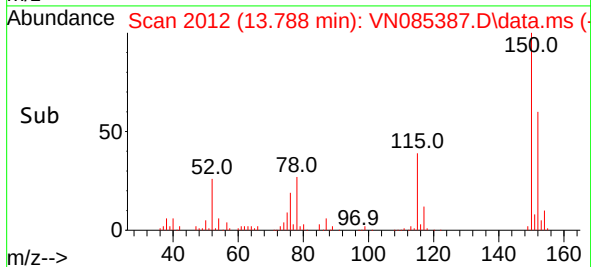
Tgt Ion:173 Resp: 716
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.4#
254 0.0 0.0 0.0

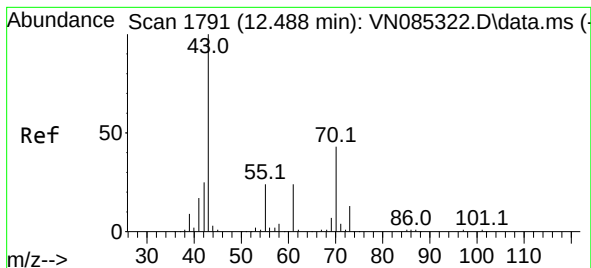


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN085387.D
Acq: 06 Jan 2025 14:07



Tgt Ion:152 Resp: 109588
Ion Ratio Lower Upper
152 100
115 62.4 30.4 91.3
150 159.2 0.0 345.0





#74

N-amy1 acetate

Concen: 0.215 ug/l

RT: 12.494 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085387.D

Acq: 06 Jan 2025 14:07

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 726

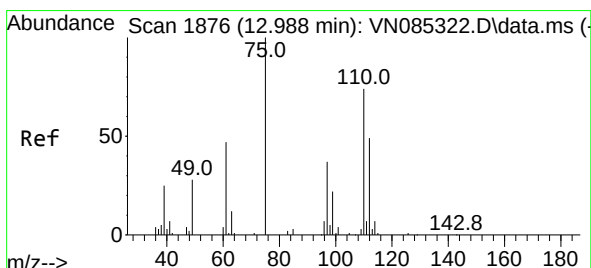
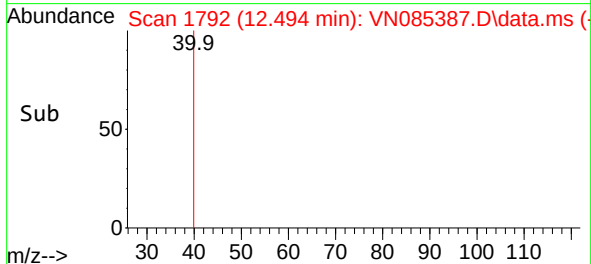
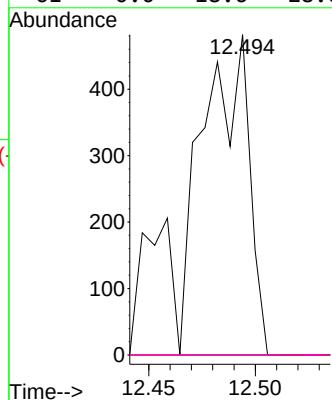
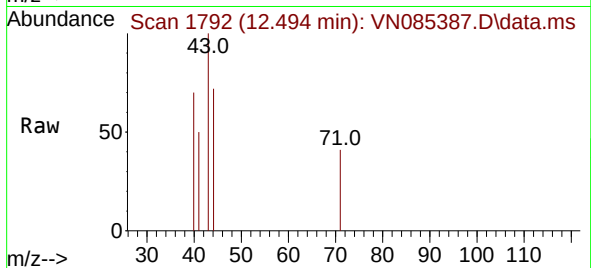
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 19.2 28.8#

61 0.0 18.6 28.0#



#76

1,2,3-Trichloropropane

Concen: 32.515 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085387.D

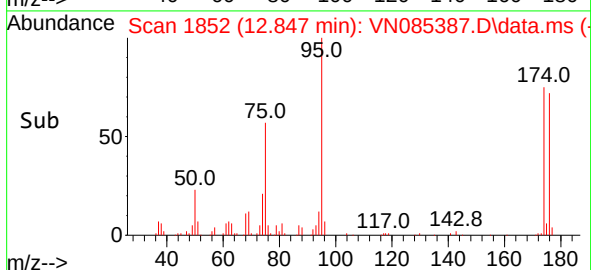
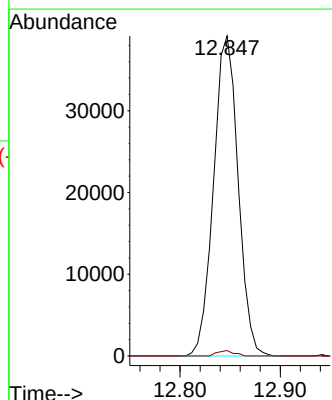
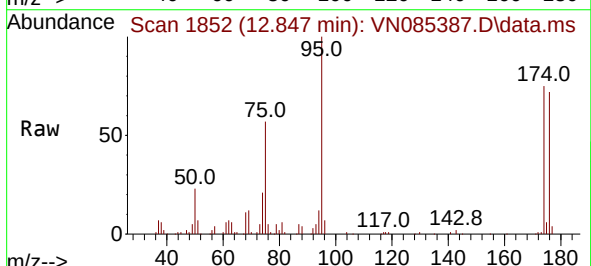
Acq: 06 Jan 2025 14:07

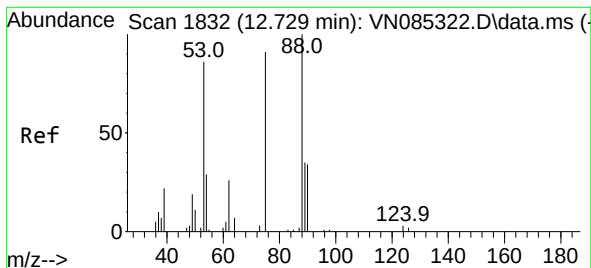
Tgt Ion: 75 Resp: 66540

Ion Ratio Lower Upper

75 100

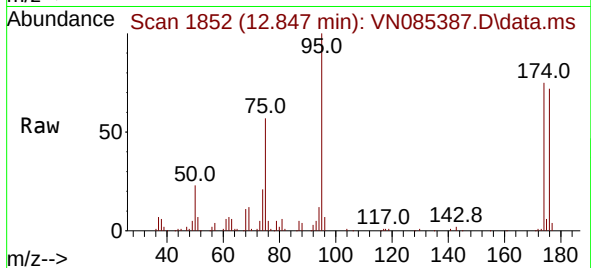
77 1.2 98.1 294.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.869 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN085387.D
 Acq: 06 Jan 2025 14:07

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 66540
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.0 120.0#
 89 0.0 35.8 53.8#

