

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011525\
 Data File : VN085456.D
 Acq On : 15 Jan 2025 13:01
 Operator : JC\MD
 Sample : PB166029TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 16 00:57:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

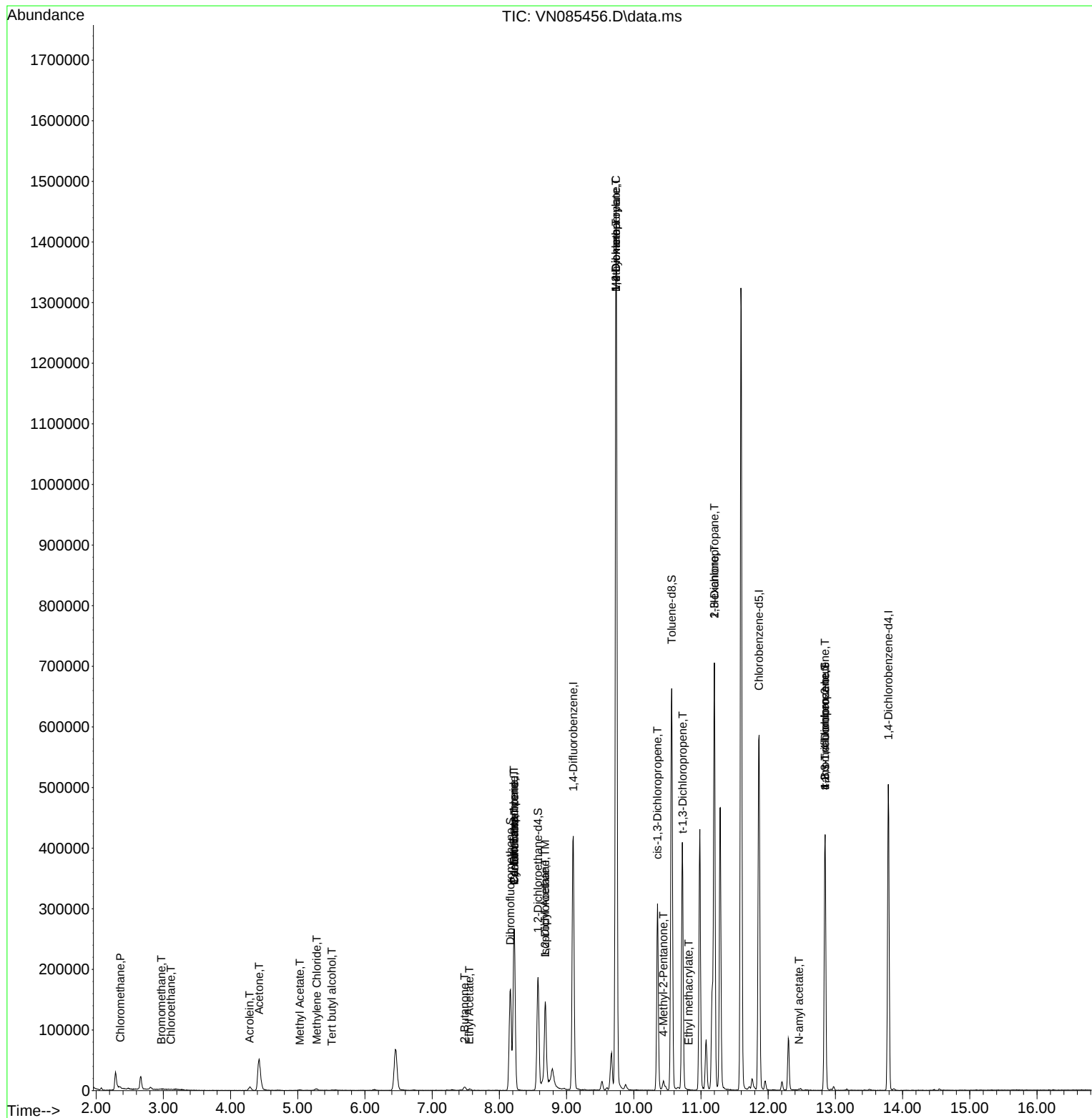
Internal Standards						
1) Pentafluorobenzene	8.223	168	181616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	348273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	321375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	159448	54.388	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.780%	
35) Dibromofluoromethane	8.165	113	120640	49.930	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.860%	
50) Toluene-d8	10.564	98	444413	51.769	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.540%	
62) 4-Bromofluorobenzene	12.847	95	141316	48.123	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	703	0.264	ug/l	94
5) Bromomethane	2.971	94	672	0.416	ug/l	97
6) Chloroethane	3.112	64	499	0.294	ug/l #	44
11) Tert butyl alcohol	5.506	59	898	2.675	ug/l #	71
13) Acrolein	4.283	56	334	0.729	ug/l #	38
16) Acetone	4.424	43	100674	106.281	ug/l	99
18) Methyl Acetate	5.030	43	1606	0.558	ug/l #	60
20) Methylene Chloride	5.282	84	827	0.353	ug/l #	86
25) 2-Butanone	7.482	43	9452	6.781	ug/l	93
31) Cyclohexane	8.223	56	5147	1.383	ug/l #	40
36) 1,1-Dichloropropene	8.218	75	17381	5.126	ug/l #	50
37) Ethyl Acetate	7.553	43	3687	1.077	ug/l #	86
38) Carbon Tetrachloride	8.218	117	19973	5.145	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	942	0.245	ug/l #	76
43) Isopropyl Acetate	8.682	43	179066	32.650	ug/l #	85
45) 1,2-Dichloropropane	9.735	63	1733	0.666	ug/l #	43
48) Methyl methacrylate	9.735	41	144340	58.482	ug/l #	45
49) 1,4-Dioxane	9.735	88	91	2.189	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	15841	4.977	ug/l #	77
53) t-1,3-Dichloropropene	10.729	75	898	0.248	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	48210	12.483	ug/l #	69
56) Ethyl methacrylate	10.817	69	191	1.978	ug/l #	23
57) 1,3-Dichloropropane	11.200	76	7006	1.725	ug/l #	43
59) 2-Hexanone	11.200	43	100322	44.800	ug/l #	54
74) N-amyl acetate	12.458	43	2322	0.596	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	79502	30.441	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79502	82.362	ug/l #	3

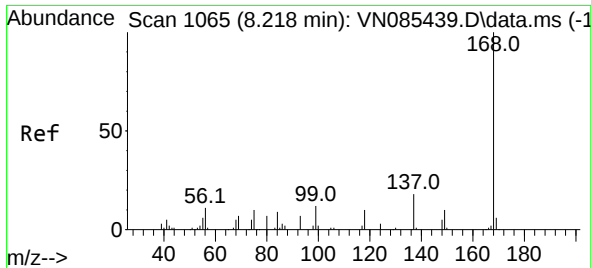
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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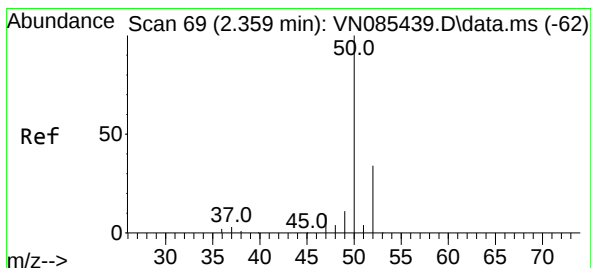
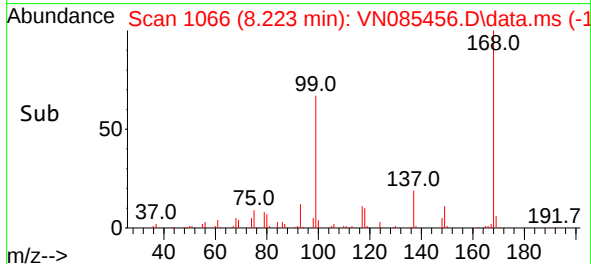
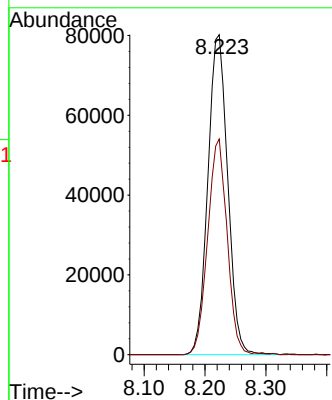
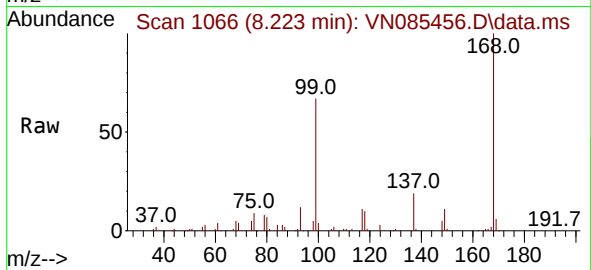




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

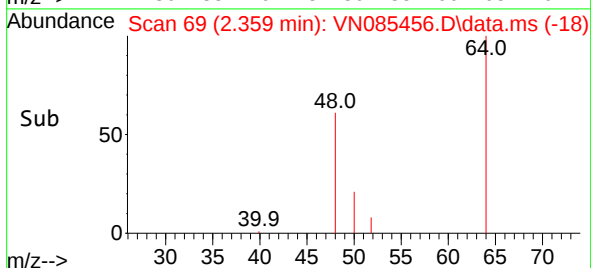
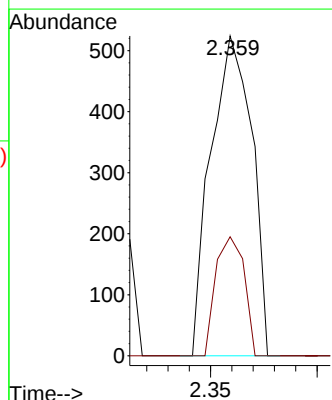
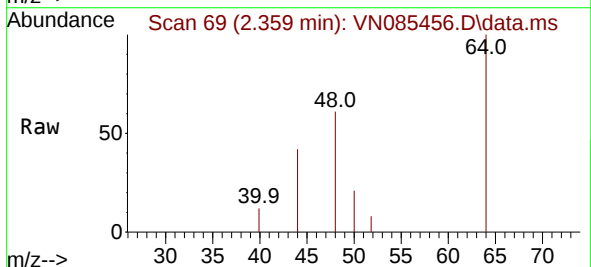
Instrument :
MSVOA_N
ClientSampleId :

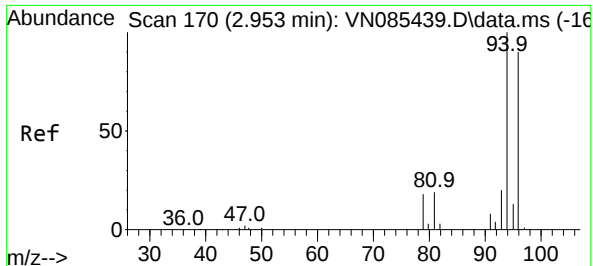
Tgt Ion:168 Resp: 181616
Ion Ratio Lower Upper
168 100
99 67.4 53.6 80.4



#3
Chloromethane
Concen: 0.264 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

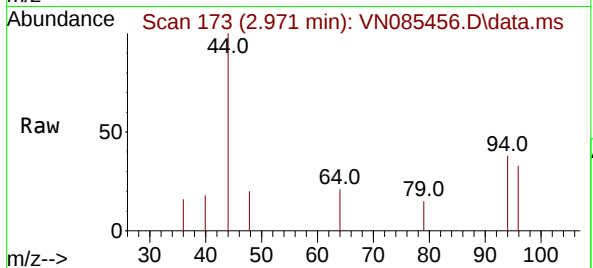
Tgt Ion: 50 Resp: 703
Ion Ratio Lower Upper
50 100
52 37.2 27.0 40.6



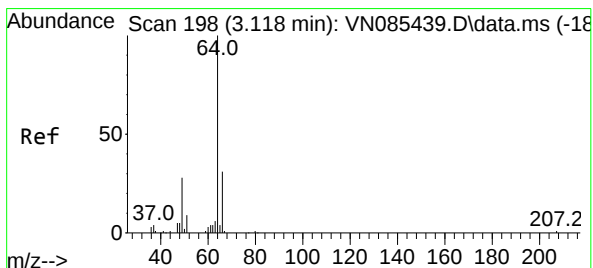
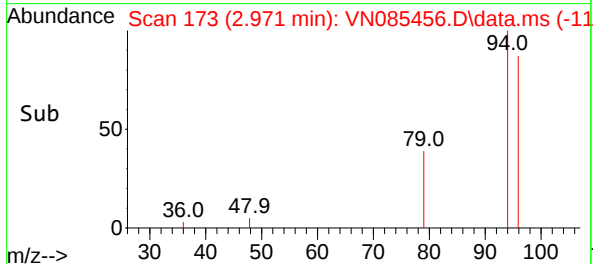
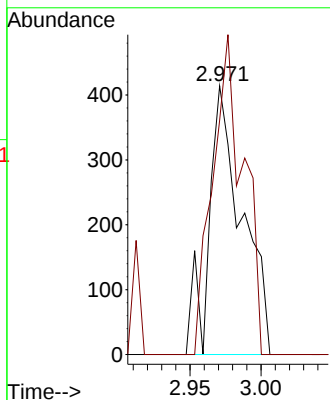


#5
Bromomethane
Concen: 0.416 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

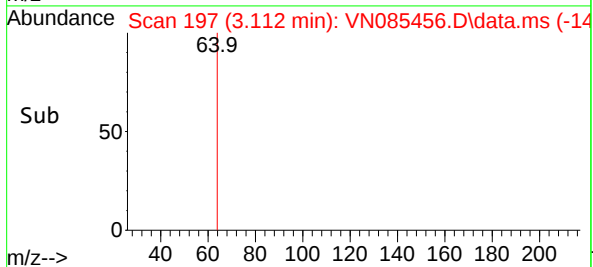
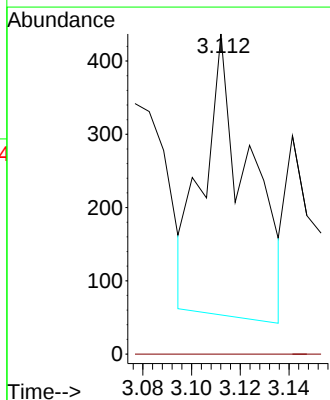
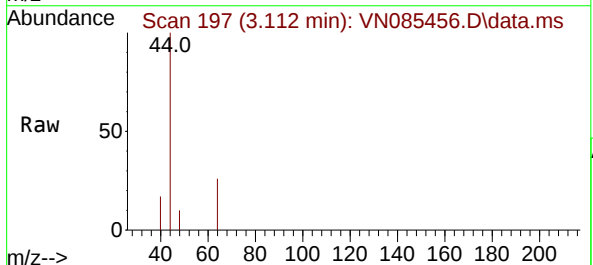


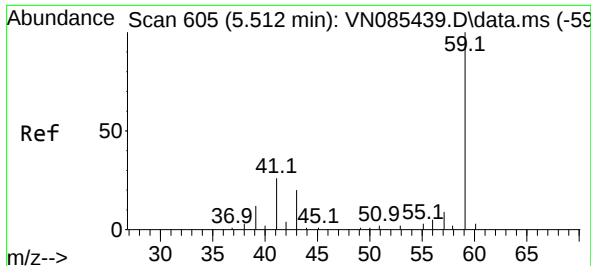
Tgt Ion: 94 Resp: 672
Ion Ratio Lower Upper
94 100
96 87.2 71.8 107.6



#6
Chloroethane
Concen: 0.294 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

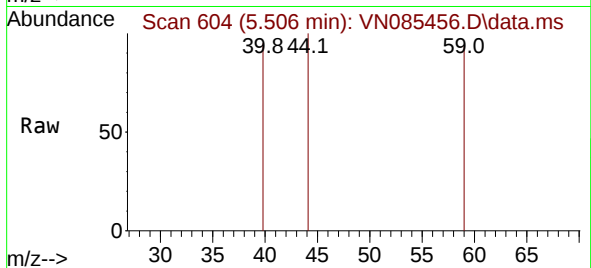
Tgt Ion: 64 Resp: 499
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



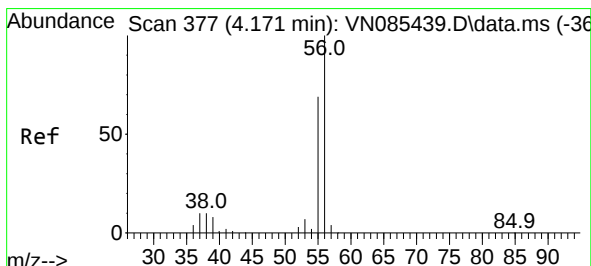
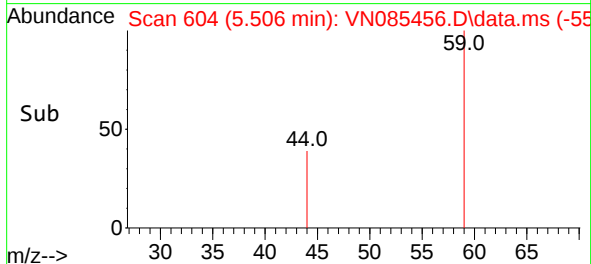
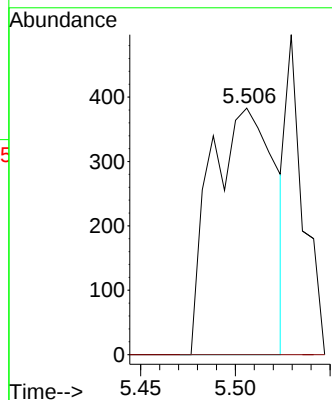


#11
Tert butyl alcohol
Concen: 2.675 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

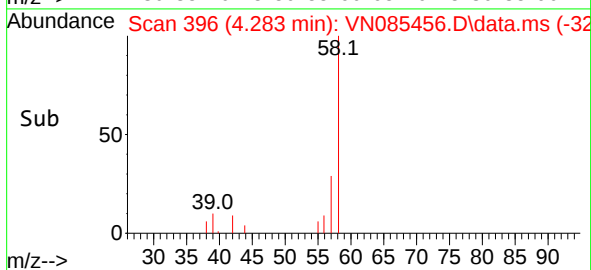
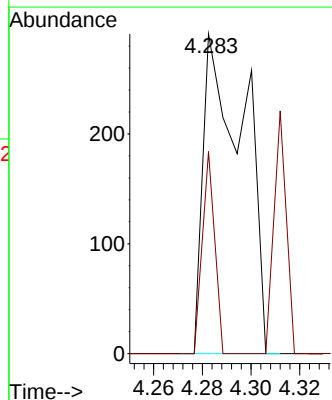
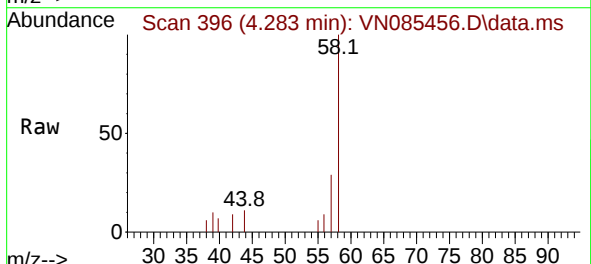


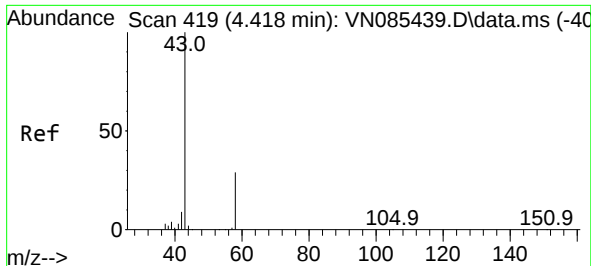
Tgt Ion: 59 Resp: 898
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 0.729 ug/l
RT: 4.283 min Scan# 396
Delta R.T. 0.111 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

Tgt Ion: 56 Resp: 334
Ion Ratio Lower Upper
56 100
55 19.5 56.3 84.5#

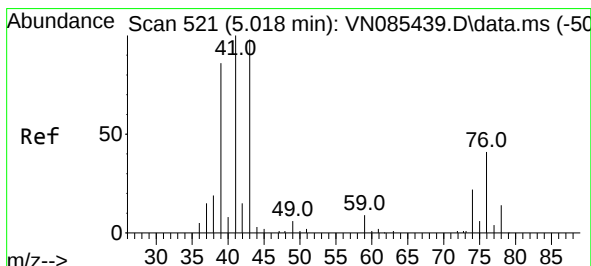
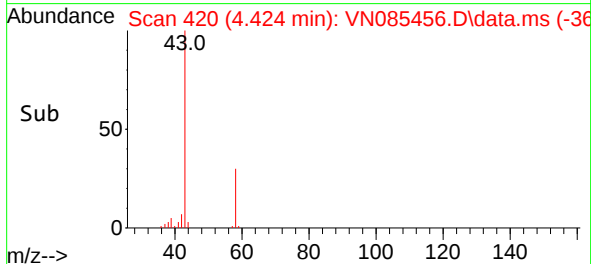
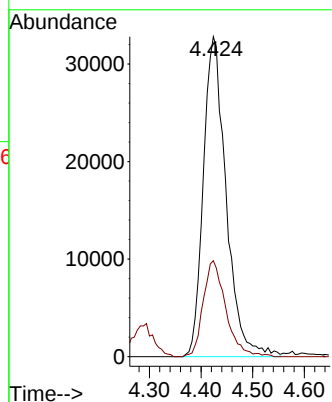
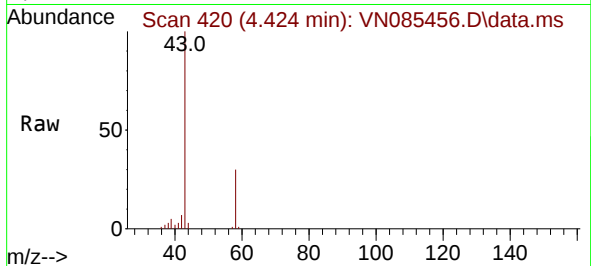




#16
Acetone
Concen: 106.281 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

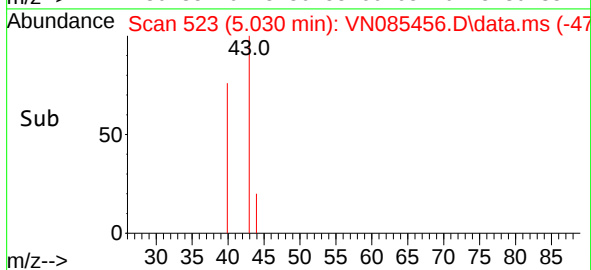
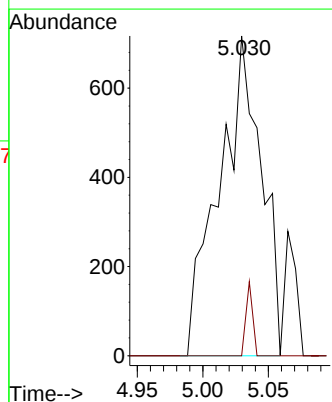
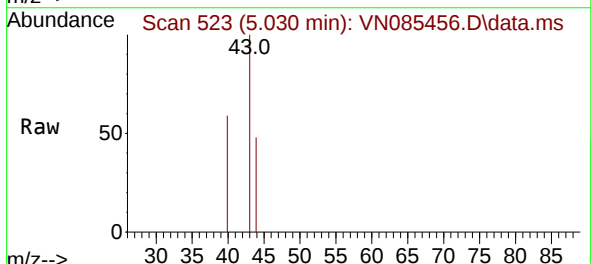
Instrument :
MSVOA_N
ClientSampleId :

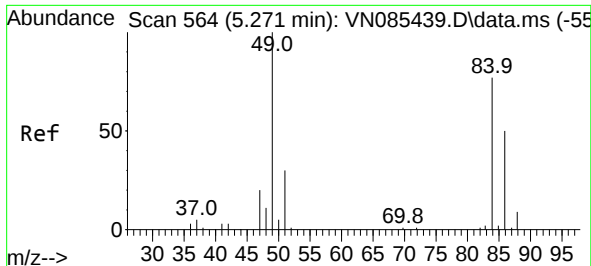
Tgt Ion: 43 Resp: 100674
Ion Ratio Lower Upper
43 100
58 30.0 23.8 35.6



#18
Methyl Acetate
Concen: 0.558 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

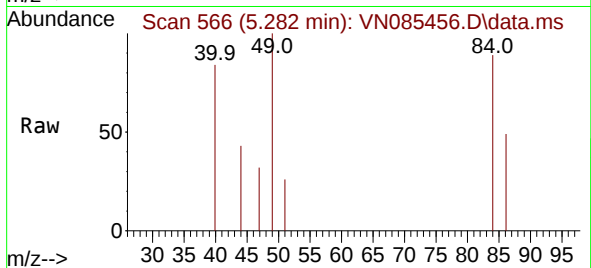
Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
74 3.7 18.6 28.0#



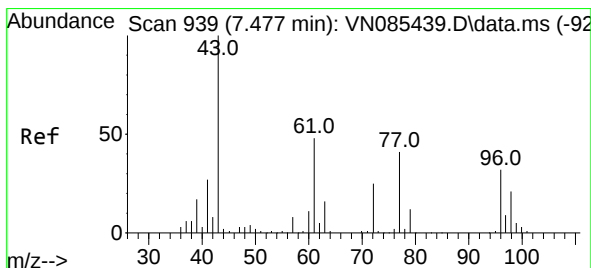
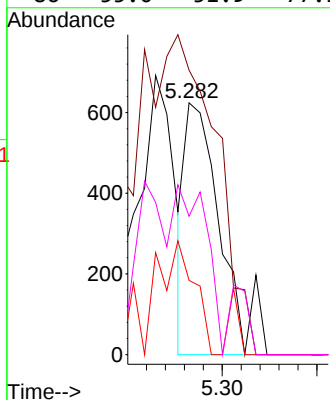


#20
Methylene Chloride
Concen: 0.353 ug/l
RT: 5.282 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

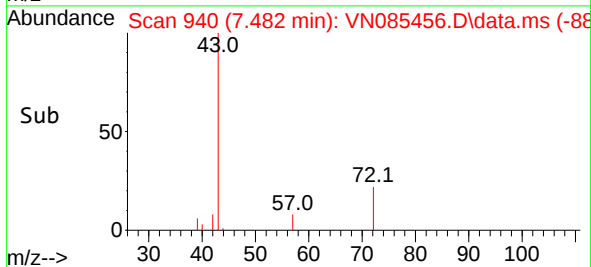
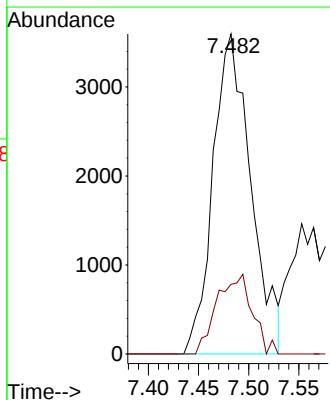
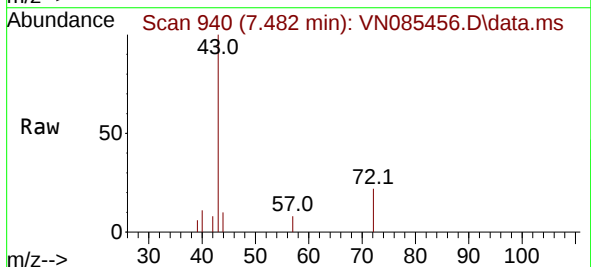


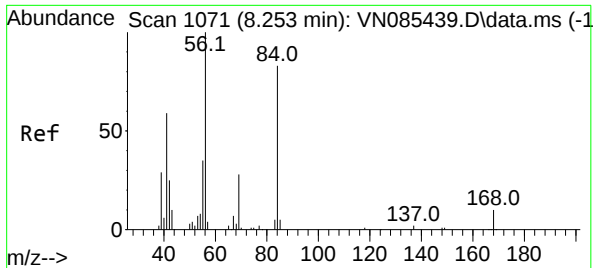
Tgt Ion: 84	Resp: 827
Ion Ratio	Lower Upper
84 100	
49 113.0	104.1 156.1
51 29.5	31.0 46.4#
86 55.0	51.9 77.9



#25
2-Butanone
Concen: 6.781 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

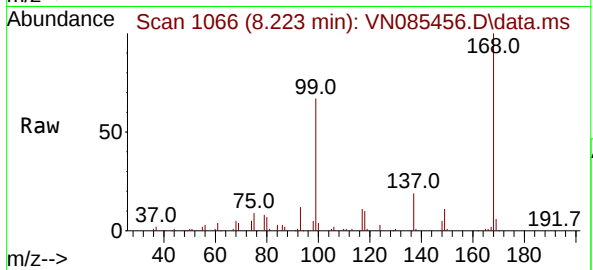
Tgt Ion: 43	Resp: 9452
Ion Ratio	Lower Upper
43 100	
72 21.7	20.2 30.4



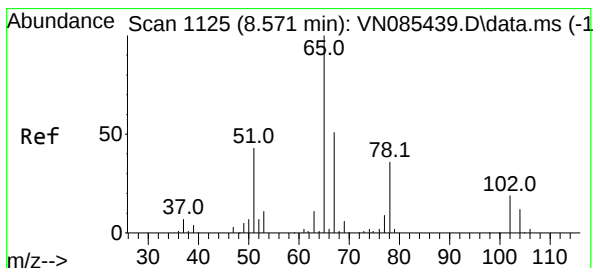
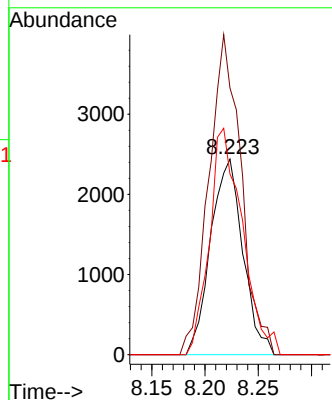
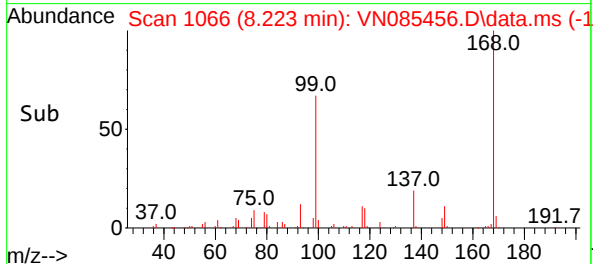


#31
Cyclohexane
Concen: 1.383 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

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MSVOA_N
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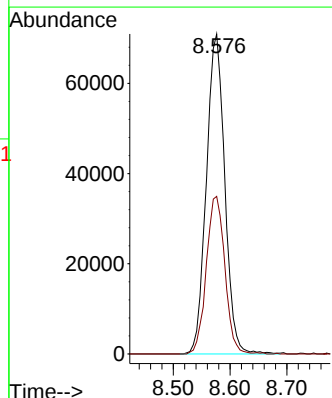
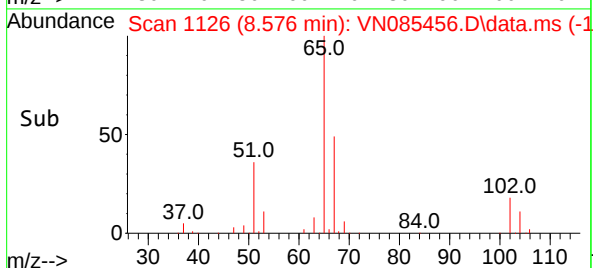
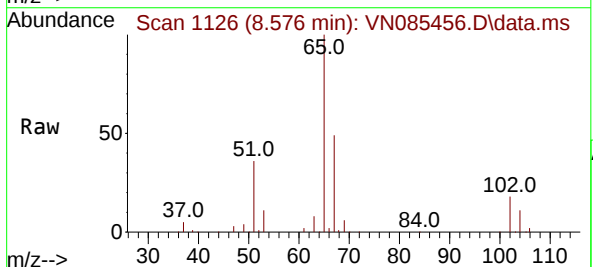


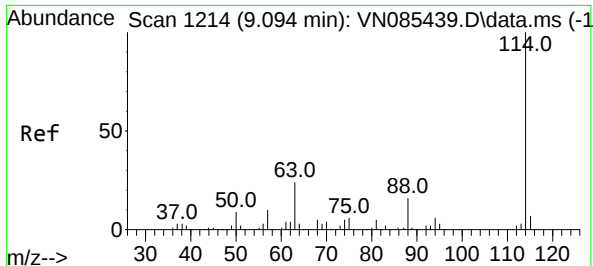
Tgt Ion: 56 Resp: 5147
Ion Ratio Lower Upper
56 100
69 136.4 22.2 33.4#
84 92.4 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 54.388 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

Tgt Ion: 65 Resp: 159448
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085456.D

Acq: 15 Jan 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

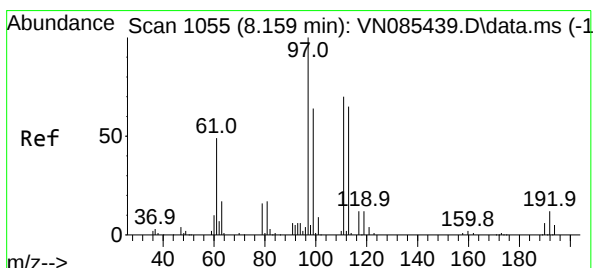
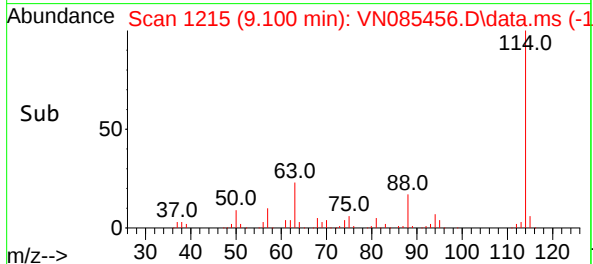
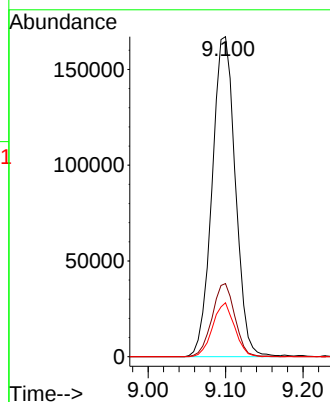
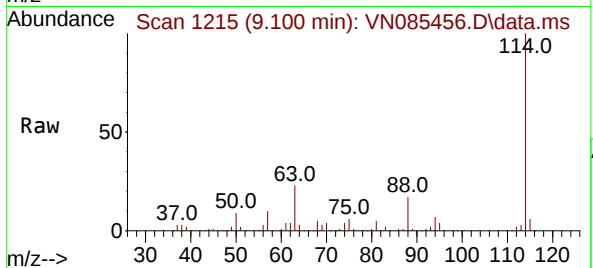
Tgt Ion:114 Resp: 348273

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.6

88 16.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.930 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085456.D

Acq: 15 Jan 2025 13:01

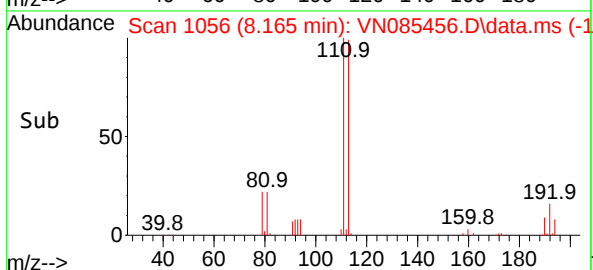
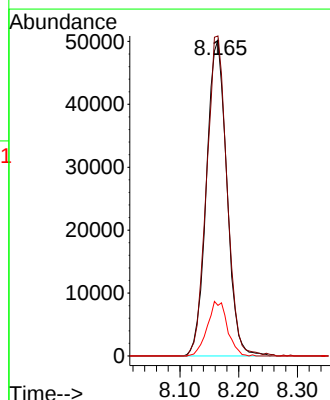
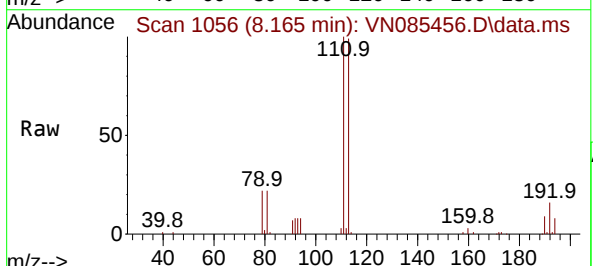
Tgt Ion:113 Resp: 120640

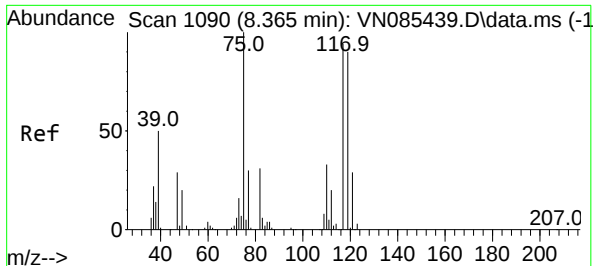
Ion Ratio Lower Upper

113 100

111 101.3 82.7 124.1

192 17.1 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.126 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

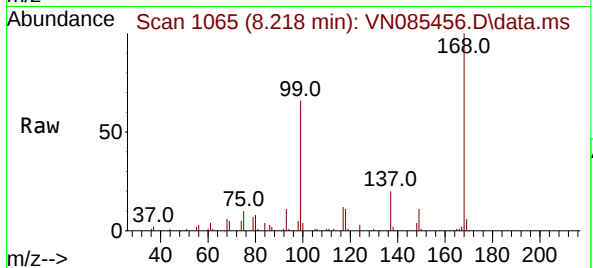
Lab File: VN085456.D

Acq: 15 Jan 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :



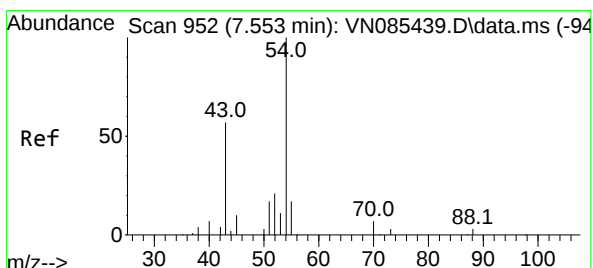
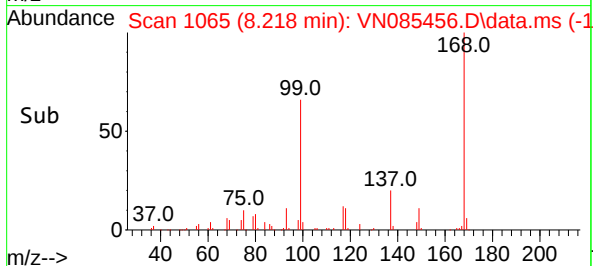
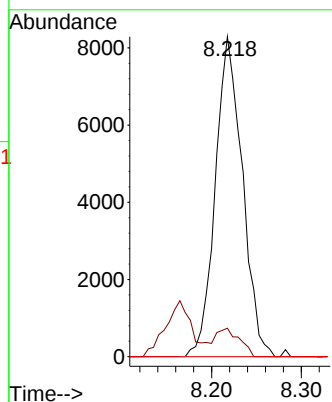
Tgt Ion: 75 Resp: 17381

Ion Ratio Lower Upper

75 100

110 7.5 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.077 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.000 min

Lab File: VN085456.D

Acq: 15 Jan 2025 13:01

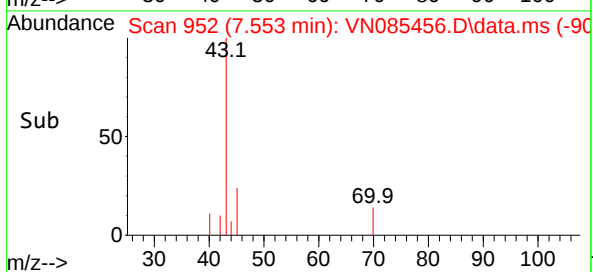
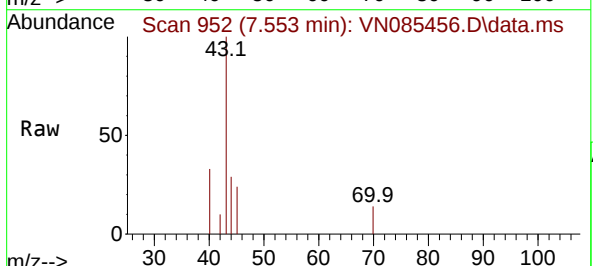
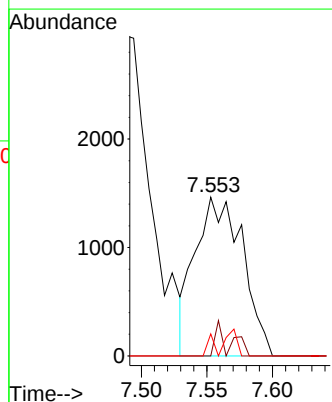
Tgt Ion: 43 Resp: 3687

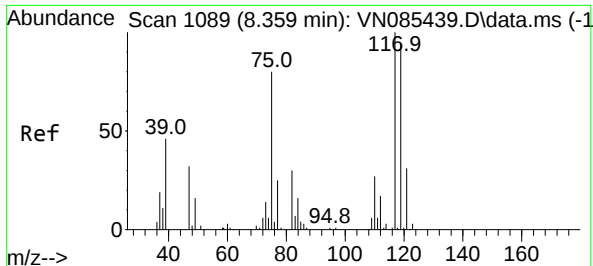
Ion Ratio Lower Upper

43 100

61 6.4 10.9 16.3#

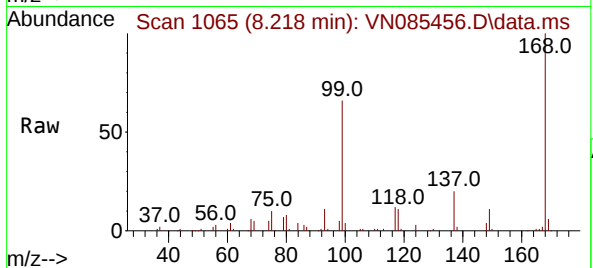
70 5.9 7.5 11.3#



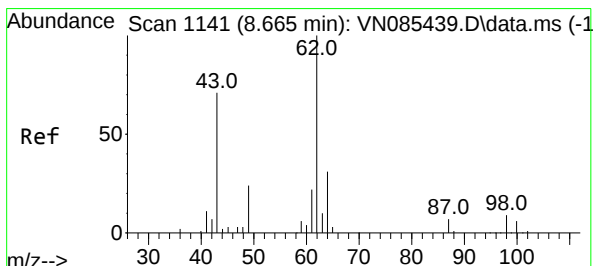
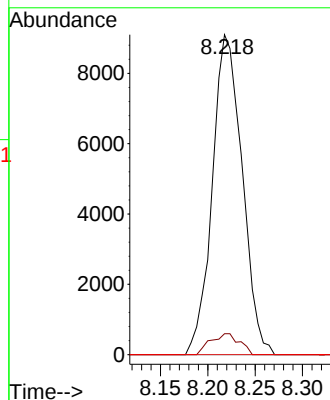
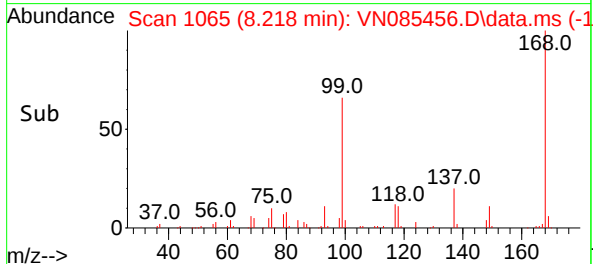


#38
Carbon Tetrachloride
Concen: 5.145 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

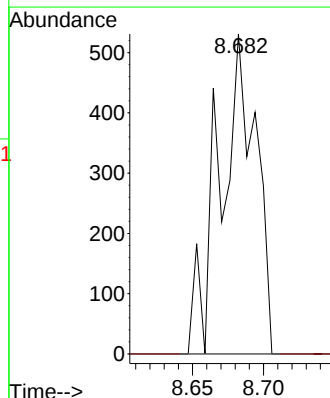
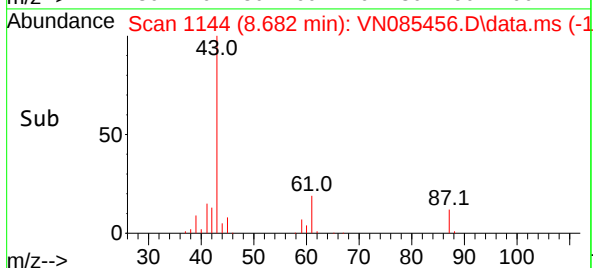
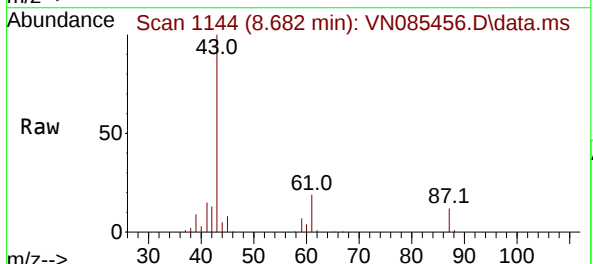


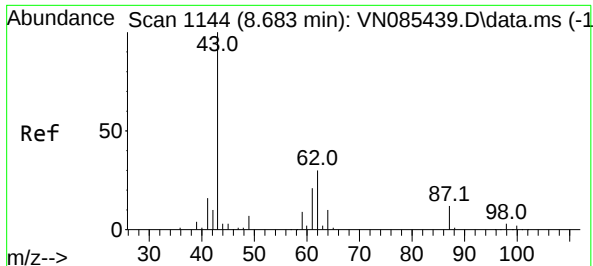
Tgt Ion:117 Resp: 19973
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.245 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.017 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

Tgt Ion: 62 Resp: 942
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0





#43

Isopropyl Acetate

Concen: 32.650 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN085456.D

Acq: 15 Jan 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

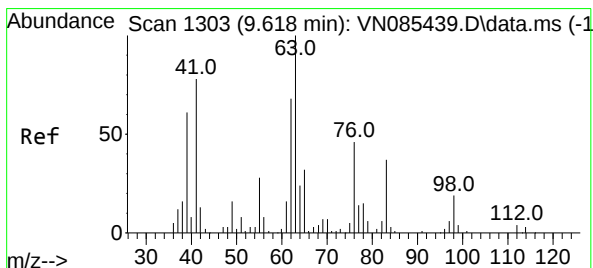
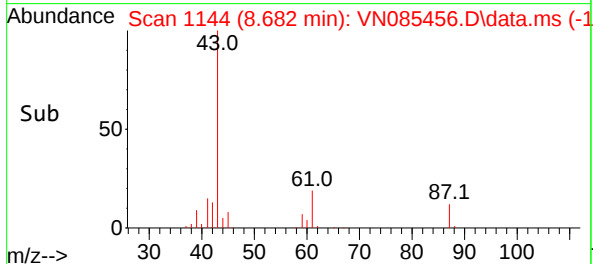
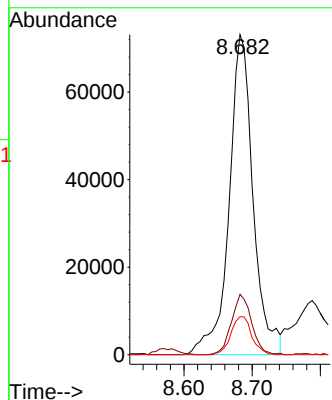
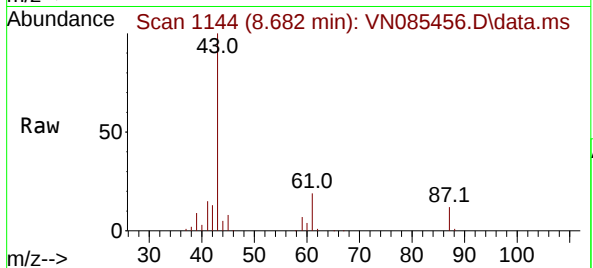
Tgt Ion: 43 Resp: 179066

Ion Ratio Lower Upper

43 100

61 15.9 20.7 31.1#

87 10.3 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.666 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.117 min

Lab File: VN085456.D

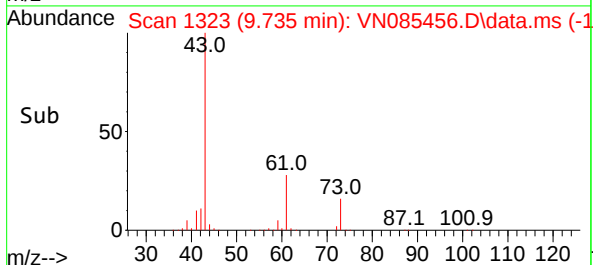
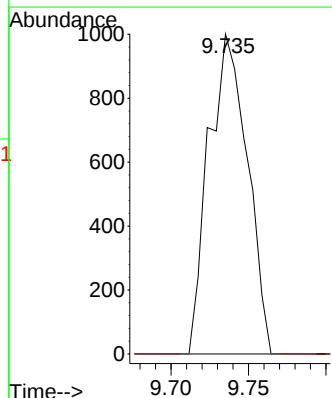
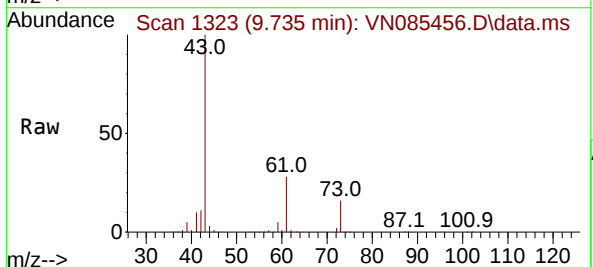
Acq: 15 Jan 2025 13:01

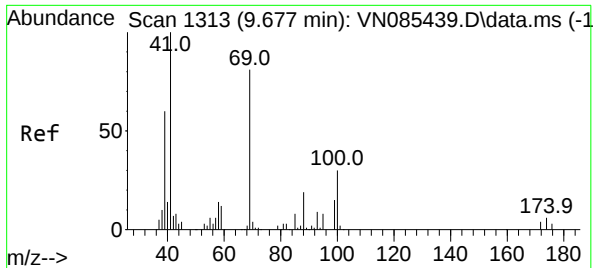
Tgt Ion: 63 Resp: 1733

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#

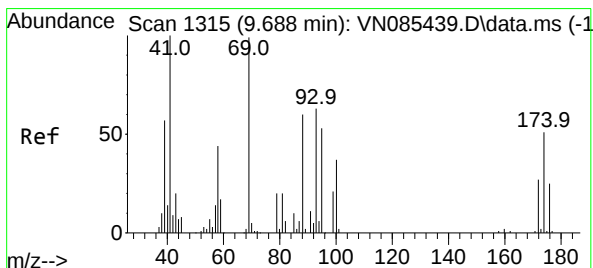
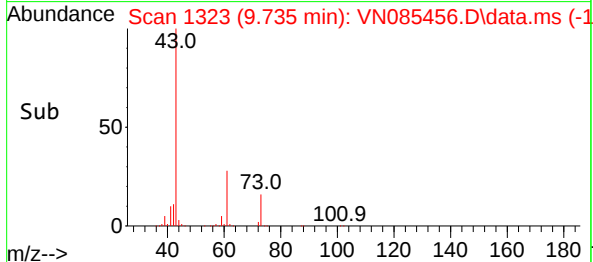
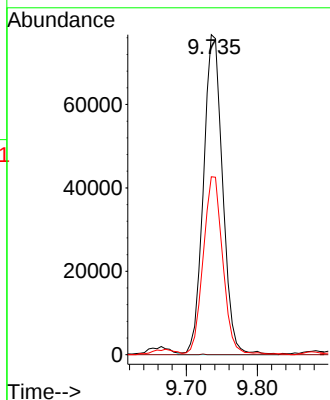
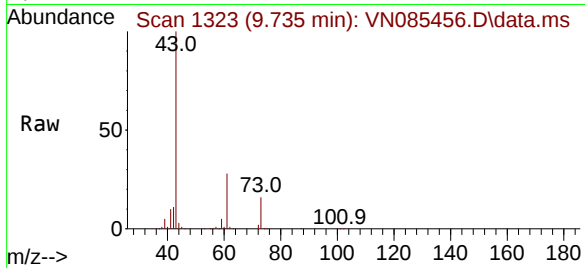




#48
Methyl methacrylate
Concen: 58.482 ug/l
RT: 9.735 min Scan# 1313
Delta R.T. 0.058 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

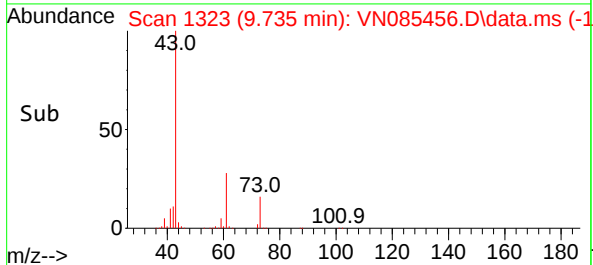
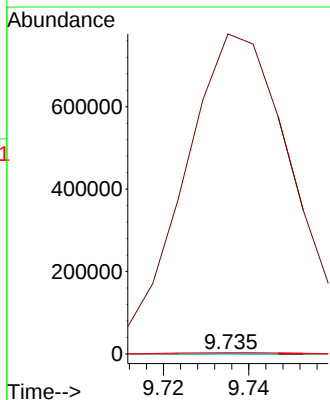
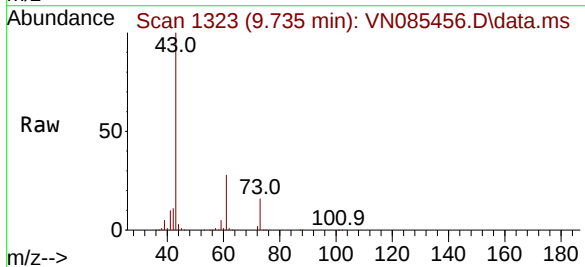
Instrument :
MSVOA_N
ClientSampleId :

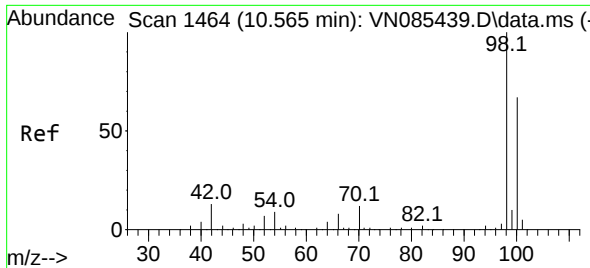
Tgt Ion: 41 Resp: 144340
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 56.1 49.0 73.6



#49
1,4-Dioxane
Concen: 2.189 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.047 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 1549515.4 26.6 39.8#
58 7326.4 59.5 89.3#

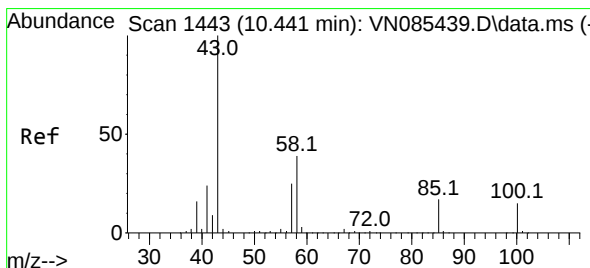
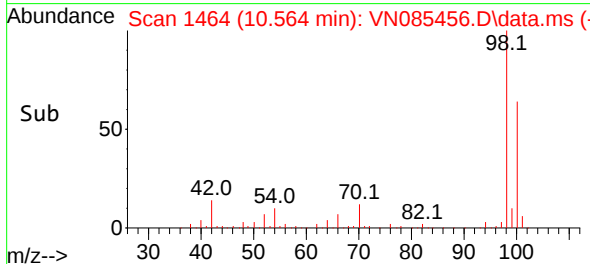
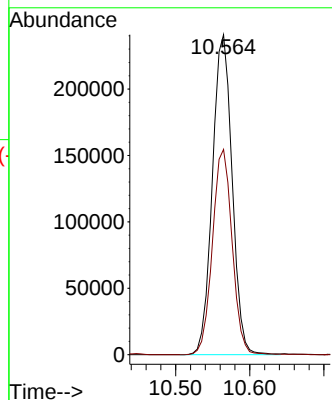
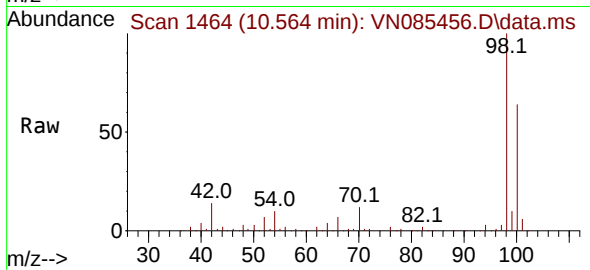




#50
Toluene-d8
Concen: 51.769 ug/l
RT: 10.564 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

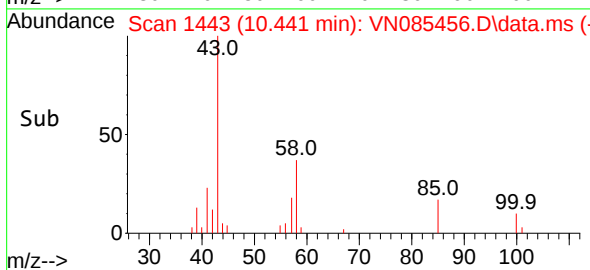
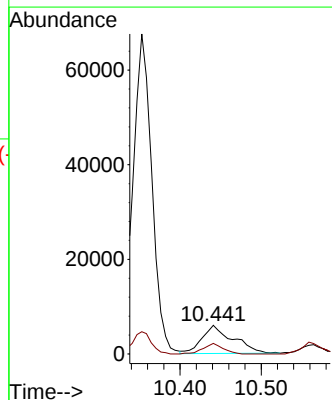
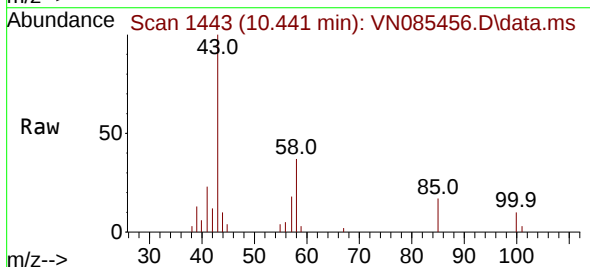
Instrument :
MSVOA_N
ClientSampleId :

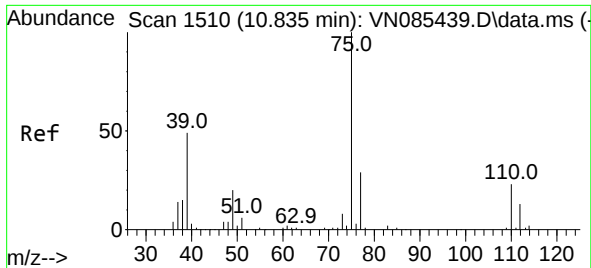
Tgt Ion: 98 Resp: 444413
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.977 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

Tgt Ion: 43 Resp: 15841
Ion Ratio Lower Upper
43 100
58 24.1 30.5 45.7#

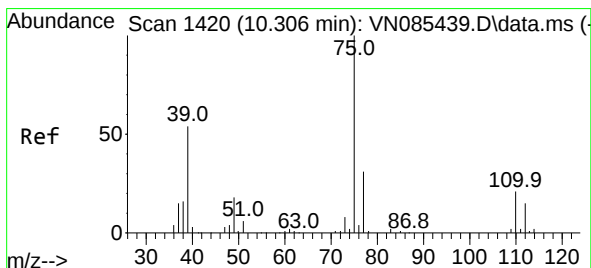
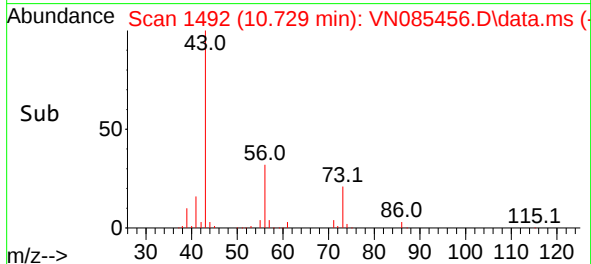
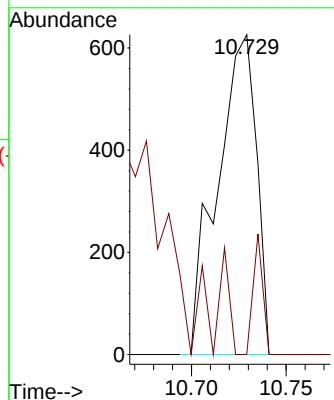
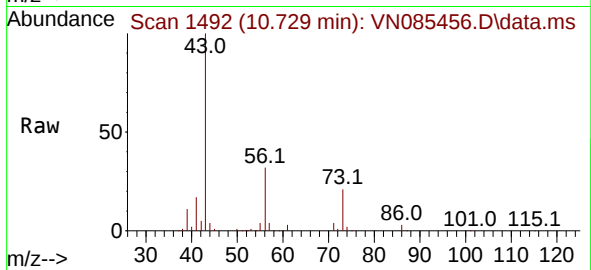




#53
 t-1,3-Dichloropropene
 Concen: 0.248 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN085456.D
 Acq: 15 Jan 2025 13:01

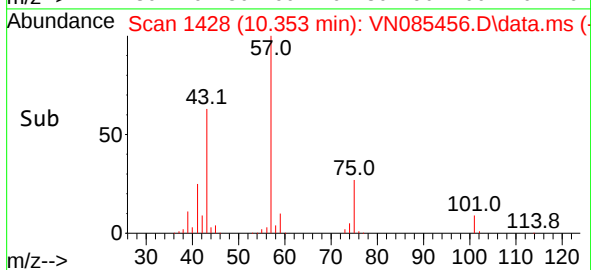
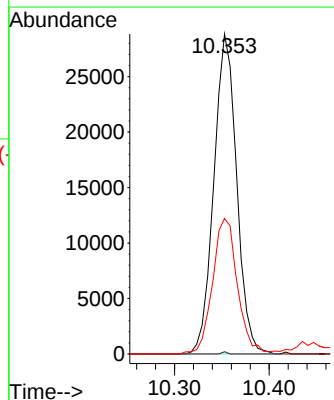
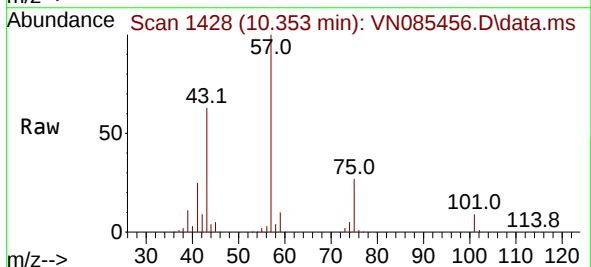
Instrument :
 MSVOA_N
 ClientSampleId :

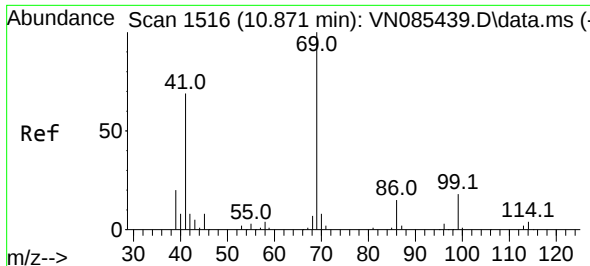
Tgt Ion: 75 Resp: 898
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.483 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085456.D
 Acq: 15 Jan 2025 13:01

Tgt Ion: 75 Resp: 48210
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 42.3 43.1 64.7#

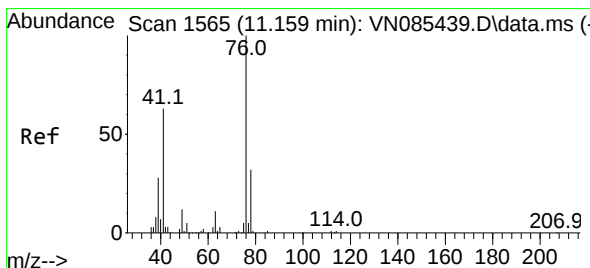
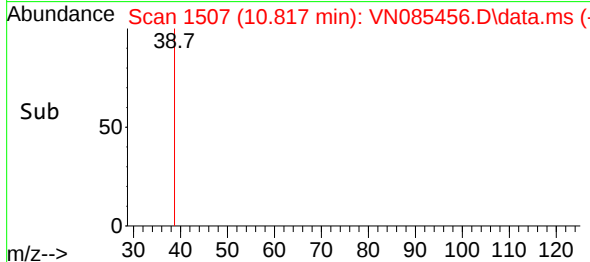
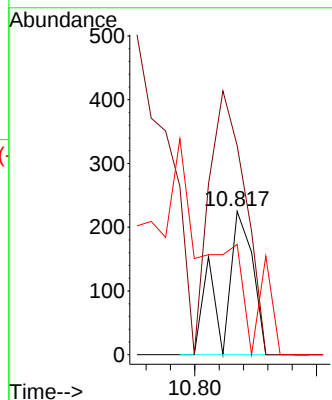
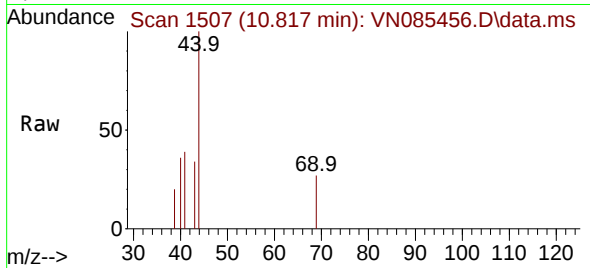




#56
Ethyl methacrylate
Concen: 1.978 ug/l
RT: 10.817 min Scan# 1507
Delta R.T. -0.054 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

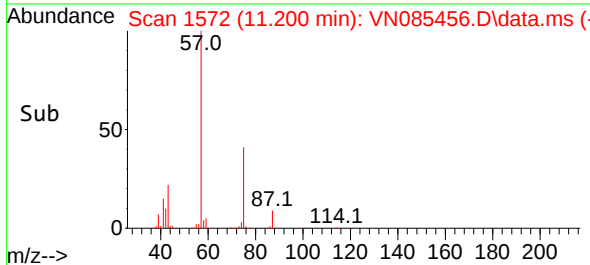
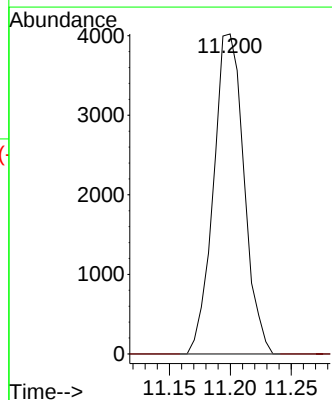
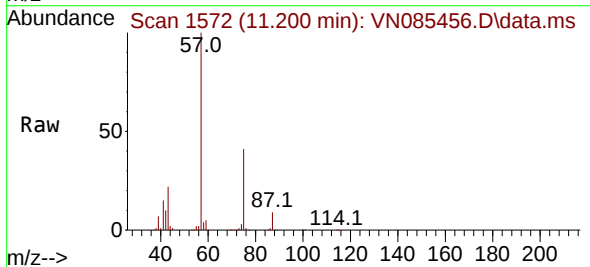
Instrument :
MSVOA_N
ClientSampleId :

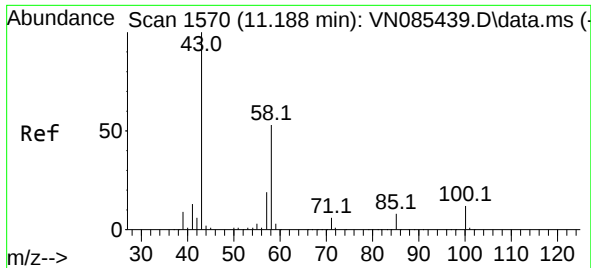
Tgt Ion: 69 Resp: 191
Ion Ratio Lower Upper
69 100
41 0.0 54.6 82.0#
39 0.0 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.725 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

Tgt Ion: 76 Resp: 7006
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

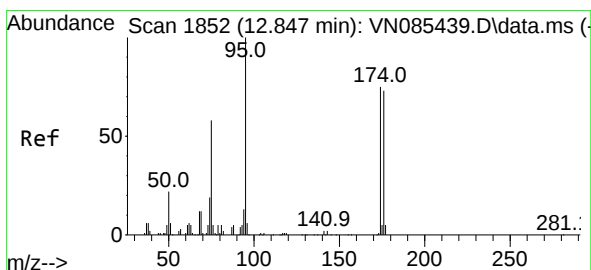
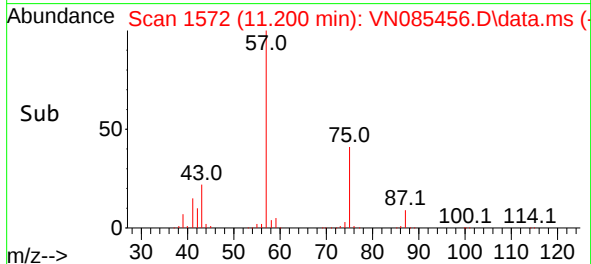
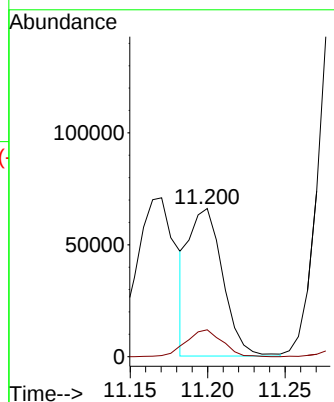
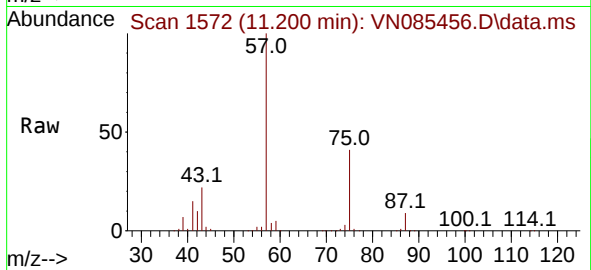




#59
2-Hexanone
Concen: 44.800 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.011 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

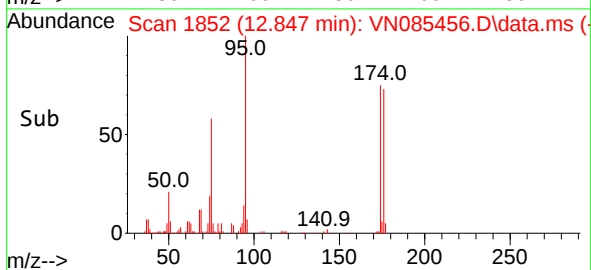
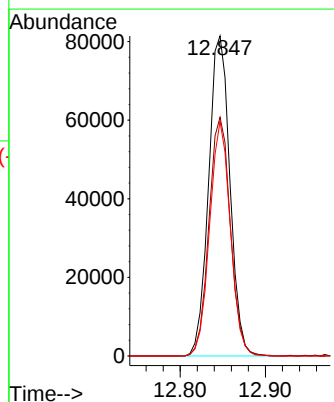
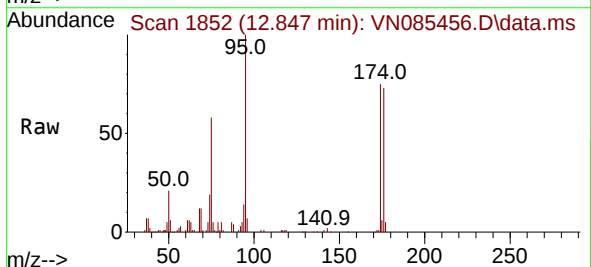
Instrument :
MSVOA_N
ClientSampleId :

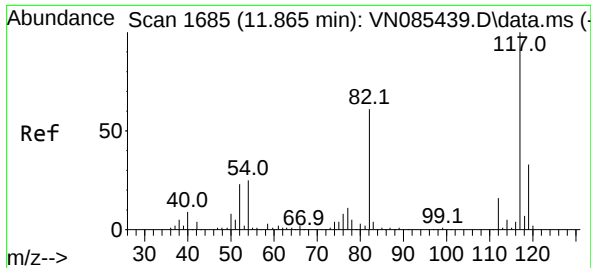
Tgt Ion: 43 Resp: 100322
Ion Ratio Lower Upper
43 100
58 19.6 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 48.123 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

Tgt Ion: 95 Resp: 141316
Ion Ratio Lower Upper
95 100
174 74.9 0.0 145.0
176 71.0 0.0 142.4

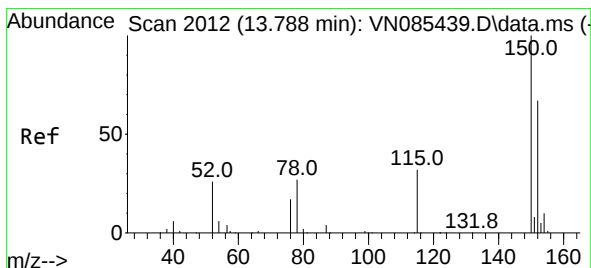
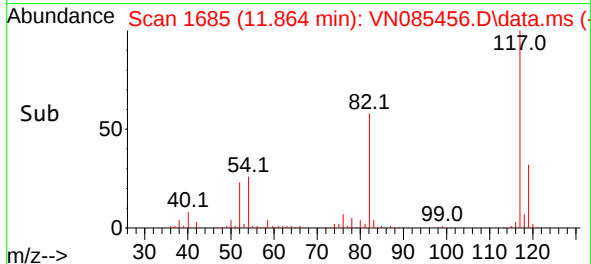
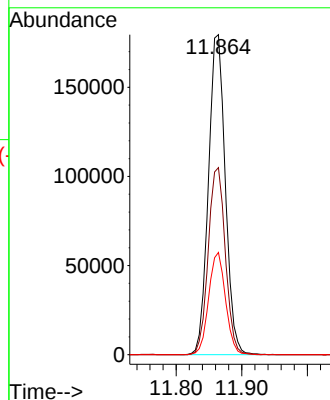
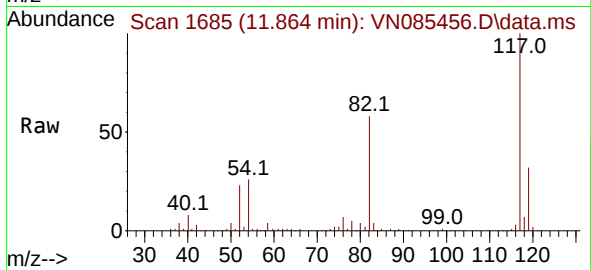




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

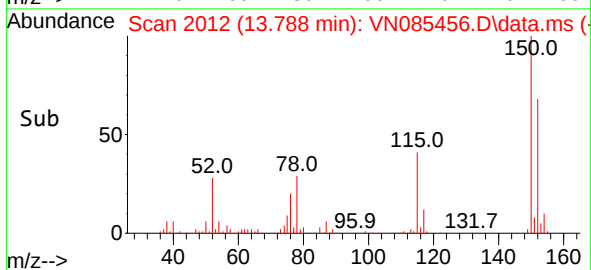
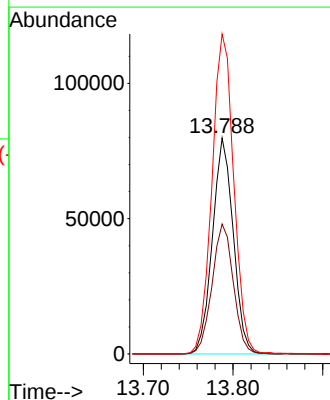
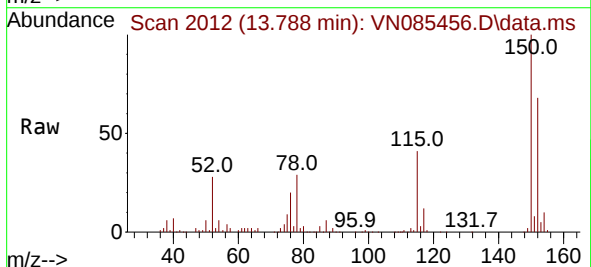
Instrument :
MSVOA_N
ClientSampleId :

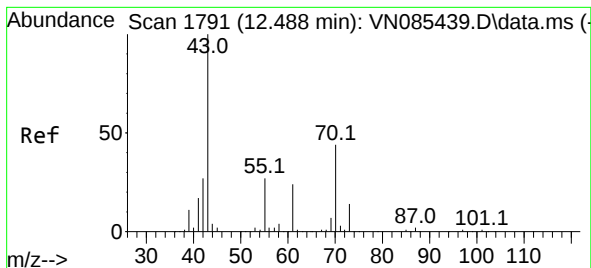
Tgt Ion:117 Resp: 321375
Ion Ratio Lower Upper
117 100
82 58.4 48.6 72.8
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

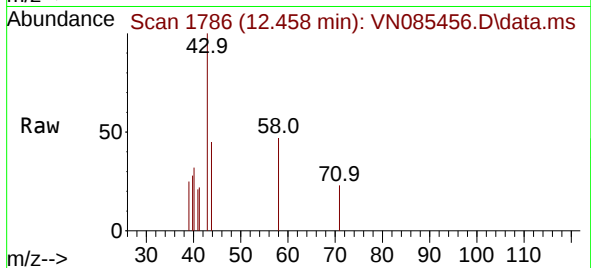
Tgt Ion:152 Resp: 128492
Ion Ratio Lower Upper
152 100
115 61.5 31.1 93.3
150 155.3 0.0 343.6



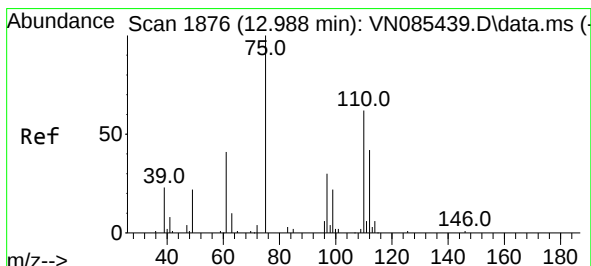
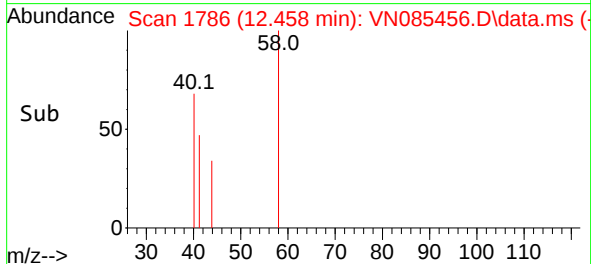
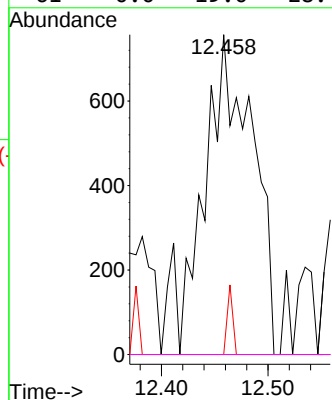


#74
N-amy1 acetate
Concen: 0.596 ug/l
RT: 12.458 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

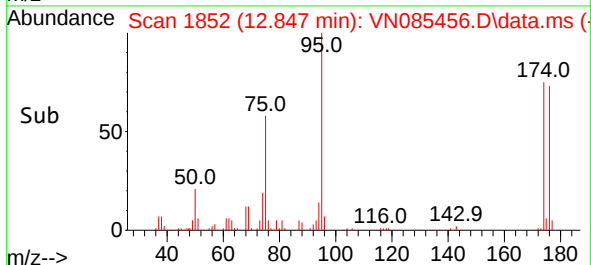
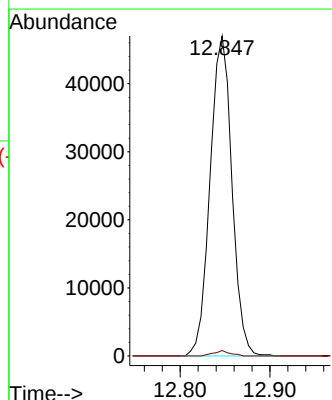
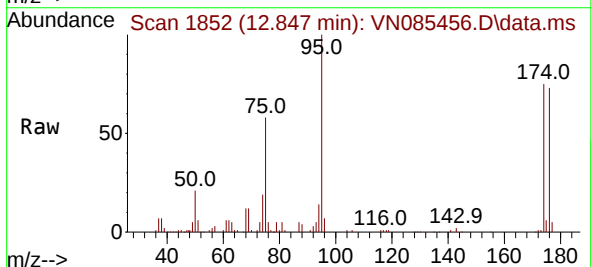


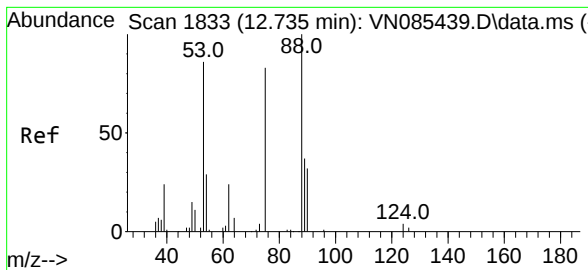
Tgt Ion: 43 Resp: 2322
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 2.5 21.4 32.2#
61 0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 30.441 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085456.D
Acq: 15 Jan 2025 13:01

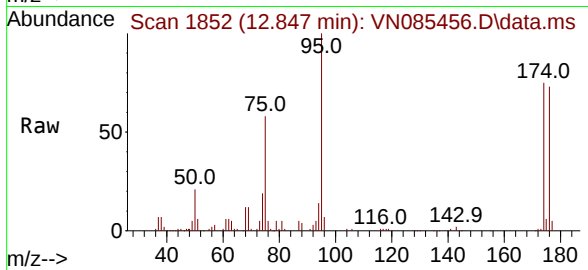
Tgt Ion: 75 Resp: 79502
Ion Ratio Lower Upper
75 100
77 1.3 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.362 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.111 min
 Lab File: VN085456.D
 Acq: 15 Jan 2025 13:01

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 79502
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.0 37.0 55.6#

