

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011525\
 Data File : VN085462.D
 Acq On : 15 Jan 2025 15:24
 Operator : JC\MD
 Sample : Q1076-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 16 01:00:08 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)

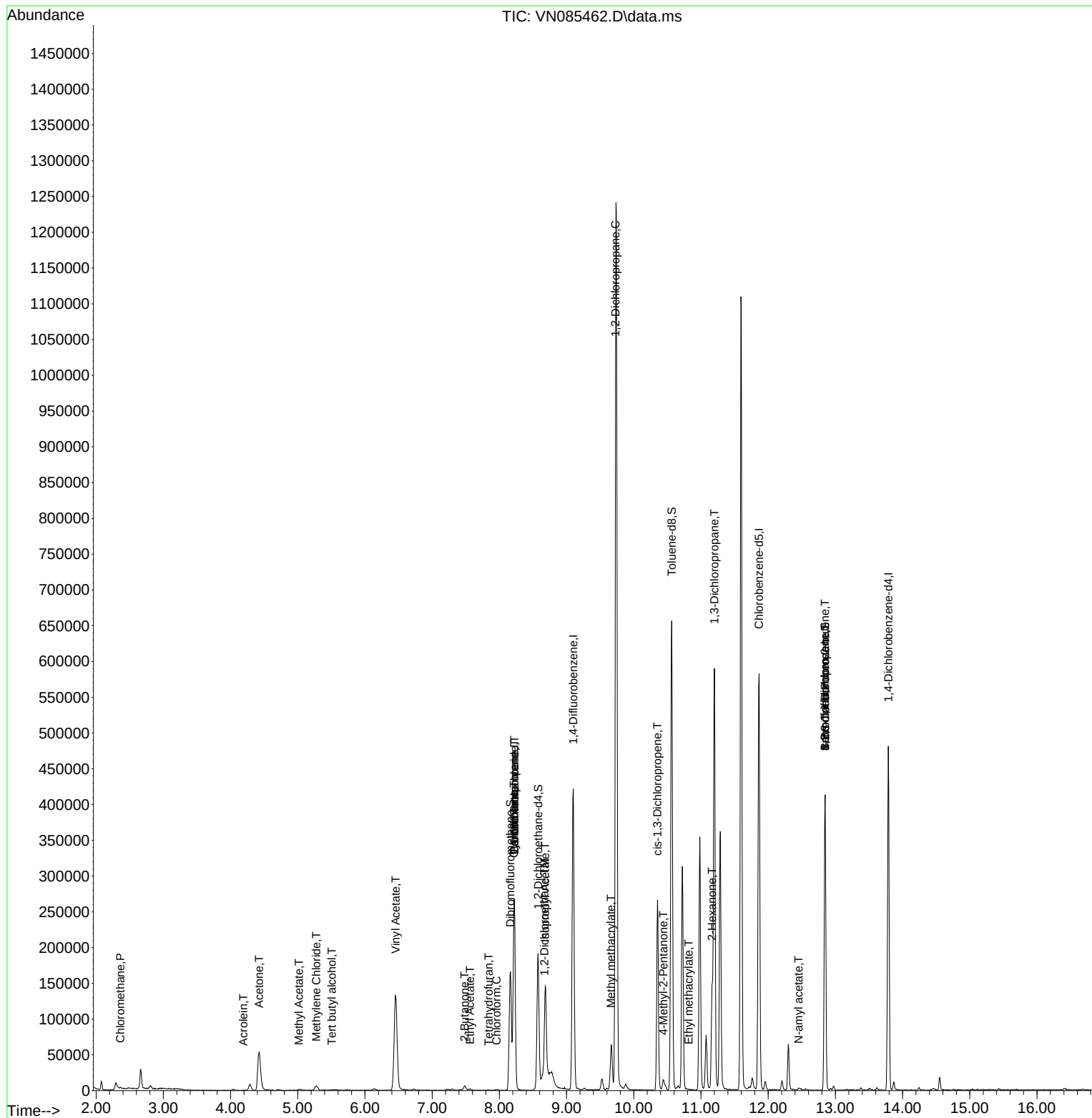
Internal Standards						
1) Pentafluorobenzene	8.224	168	180925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	341109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	314668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	158732	54.351	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.700%			
35) Dibromofluoromethane	8.165	113	117353	49.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.180%			
50) Toluene-d8	10.565	98	435648	51.814	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.847	95	136589	47.490	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.980%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	595	0.224	ug/l #	41
11) Tert butyl alcohol	5.506	59	1491	4.459	ug/l #	71
13) Acrolein	4.189	56	192	0.421	ug/l #	14
16) Acetone	4.424	43	106812	113.191	ug/l	99
18) Methyl Acetate	5.018	43	2912	1.015	ug/l	96
20) Methylene Chloride	5.277	84	4655	1.993	ug/l	95
23) Vinyl Acetate	6.459	43	3164	0.646	ug/l #	72
25) 2-Butanone	7.483	43	10567	7.610	ug/l	99
29) Tetrahydrofuran	7.841	42	382	0.434	ug/l #	34
30) Chloroform	7.959	83	1549	0.351	ug/l #	78
31) Cyclohexane	8.218	56	5094	1.374	ug/l #	25
36) 1,1-Dichloropropene	8.224	75	17055	5.135	ug/l #	49
37) Ethyl Acetate	7.565	43	3917	1.168	ug/l #	73
38) Carbon Tetrachloride	8.224	117	20633	5.426	ug/l #	17
42) 1,2-Dichloroethane	8.671	62	1017	0.271	ug/l #	76
43) Isopropyl Acetate	8.683	43	188319	35.058	ug/l #	81
45) 1,2-Dichloropropane	9.730	63	1464	0.574	ug/l #	43
48) Methyl methacrylate	9.659	41	4670	1.932	ug/l #	48
51) 4-Methyl-2-Pentanone	10.441	43	14573	4.675	ug/l #	79
54) cis-1,3-Dichloropropene	10.353	75	42271	11.175	ug/l #	71
56) Ethyl methacrylate	10.818	69	56	1.945	ug/l #	23
57) 1,3-Dichloropropane	11.200	76	5552	1.395	ug/l #	43
59) 2-Hexanone	11.165	43	110781	50.509	ug/l #	26
71) Bromoform	12.847	173	1133	0.626	ug/l #	1
74) N-amyl acetate	12.453	43	3349	0.933	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	77039	32.034	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77039	86.671	ug/l #	3

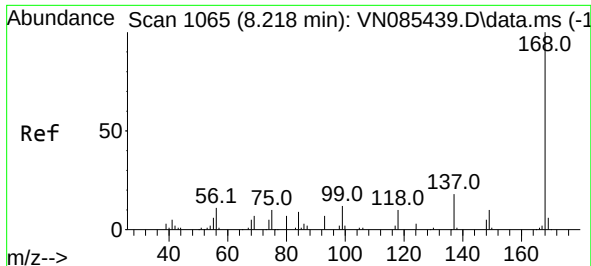
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011525\
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Response via : Initial Calibration

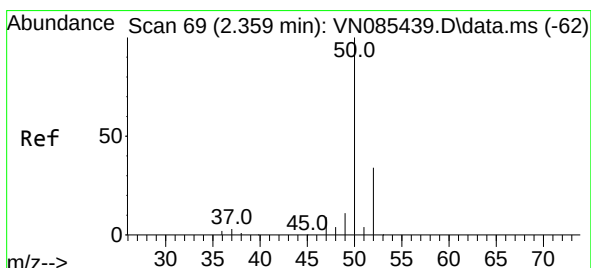
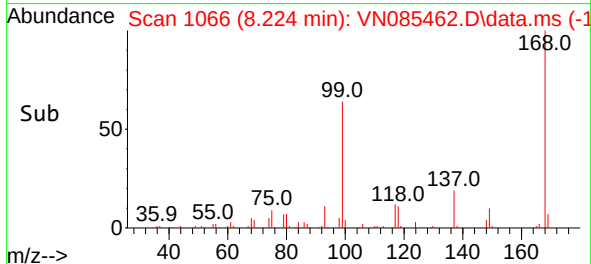
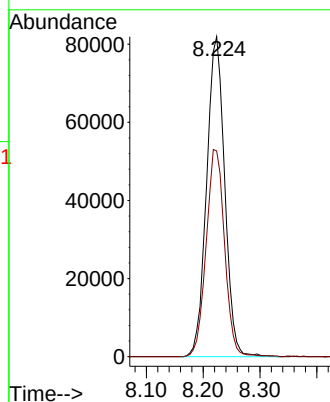
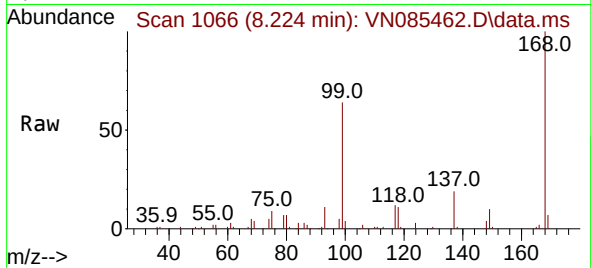




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

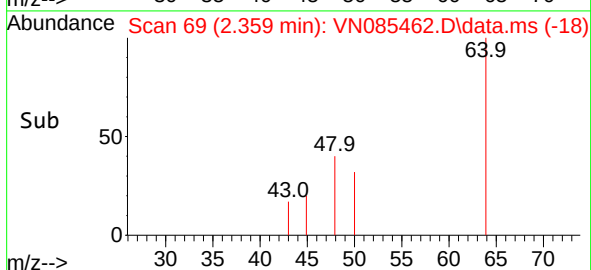
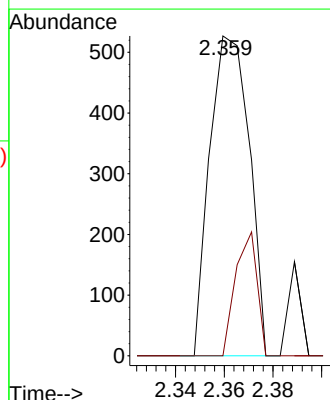
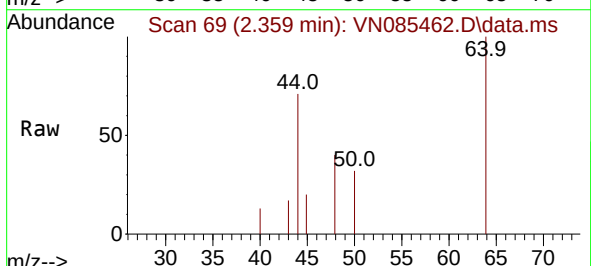
Instrument :
MSVOA_N
ClientSampleId :

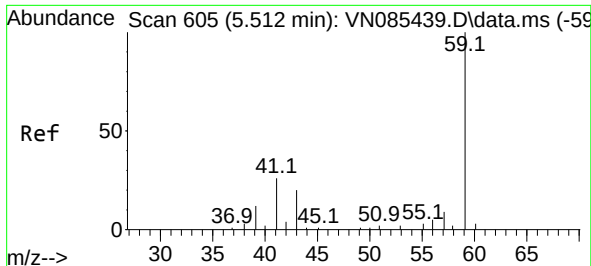
Tgt Ion:168 Resp: 180925
Ion Ratio Lower Upper
168 100
99 64.3 53.6 80.4



#3
Chloromethane
Concen: 0.224 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

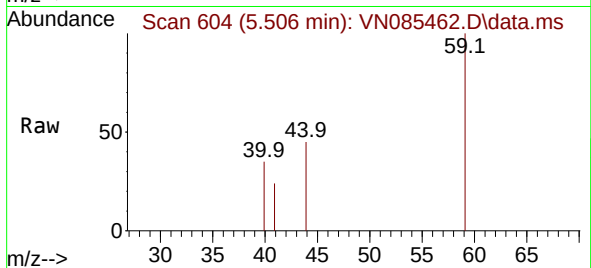
Tgt Ion: 50 Resp: 595
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#



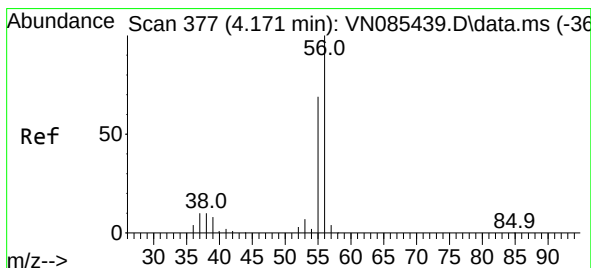
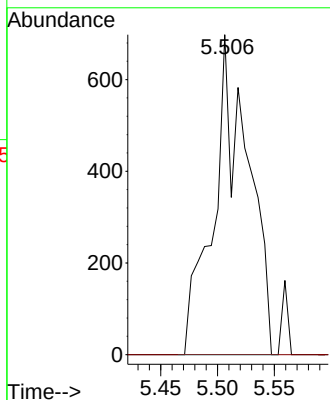
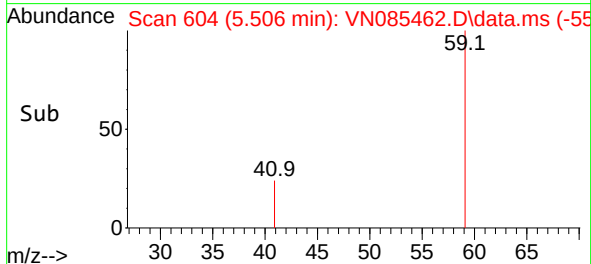


#11
Tert butyl alcohol
Concen: 4.459 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

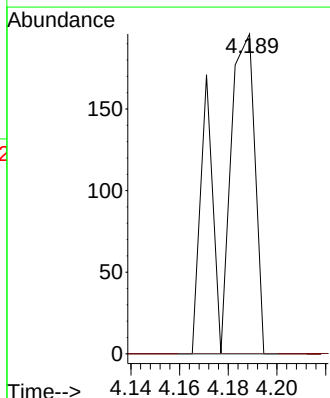
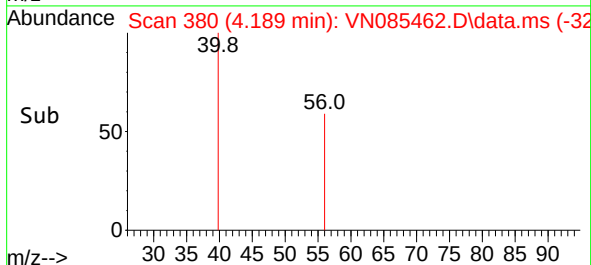
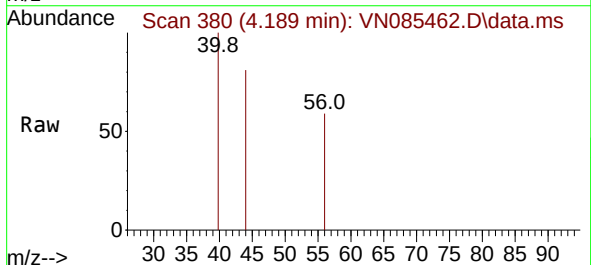


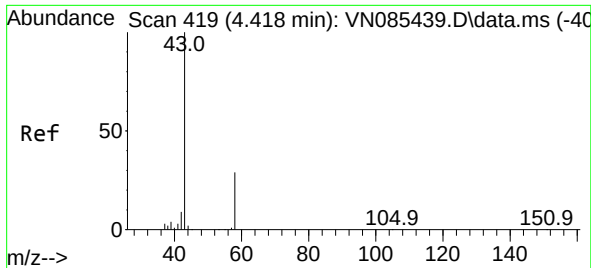
Tgt Ion: 59 Resp: 1491
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 0.421 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.018 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

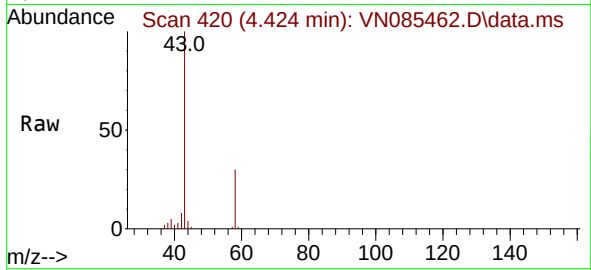
Tgt Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#



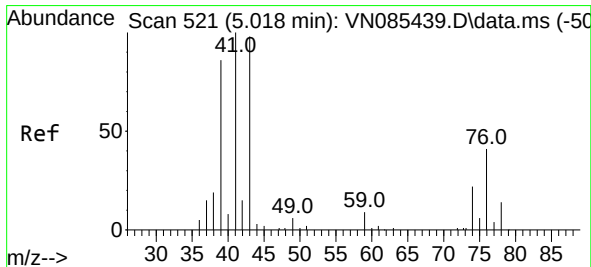
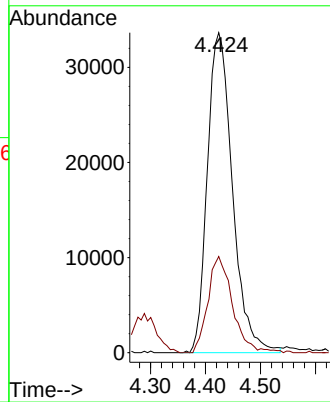
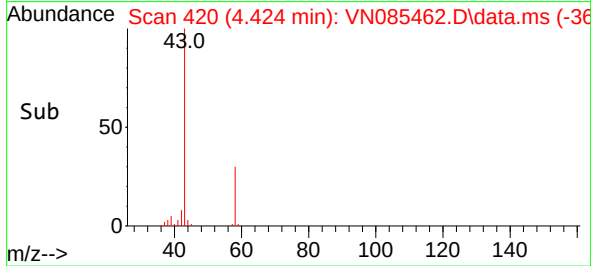


#16
Acetone
Concen: 113.191 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

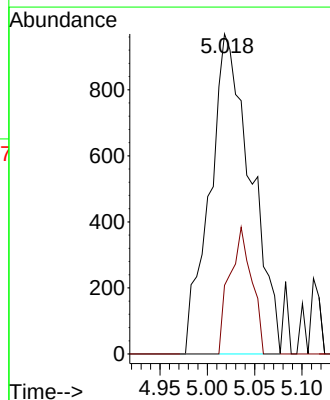
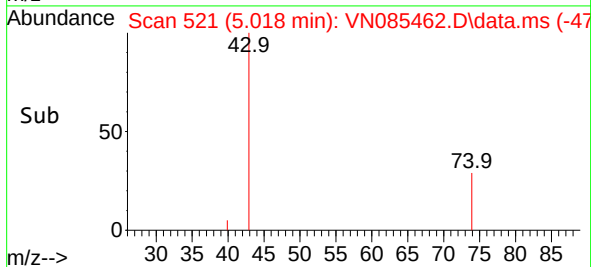
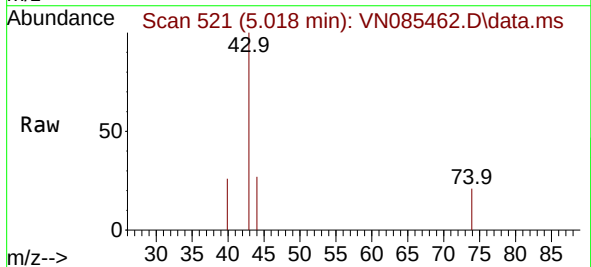


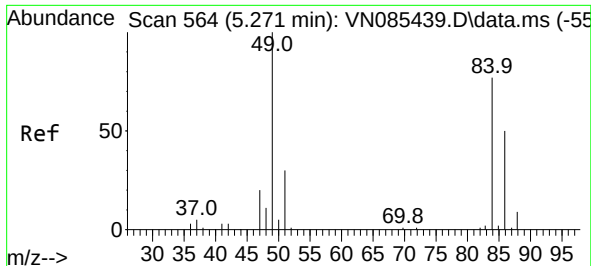
Tgt Ion: 43 Resp: 106812
Ion Ratio Lower Upper
43 100
58 30.1 23.8 35.6



#18
Methyl Acetate
Concen: 1.015 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

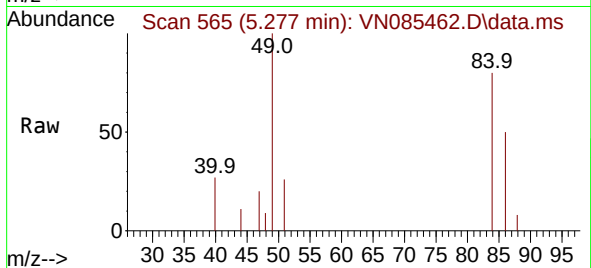
Tgt Ion: 43 Resp: 2912
Ion Ratio Lower Upper
43 100
74 21.5 18.6 28.0



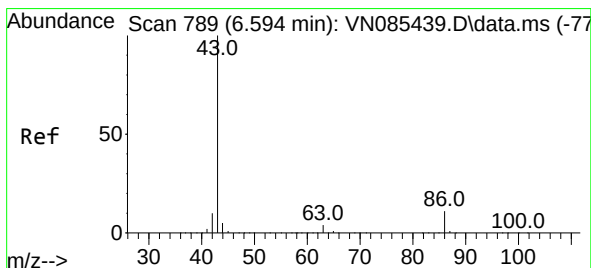
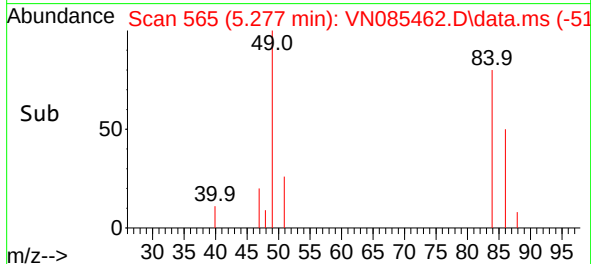
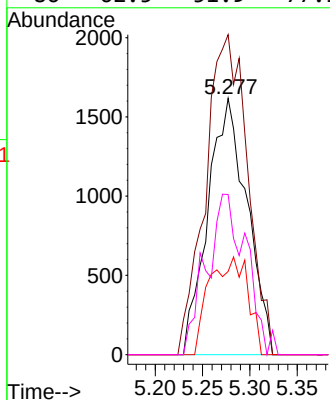


#20
Methylene Chloride
Concen: 1.993 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

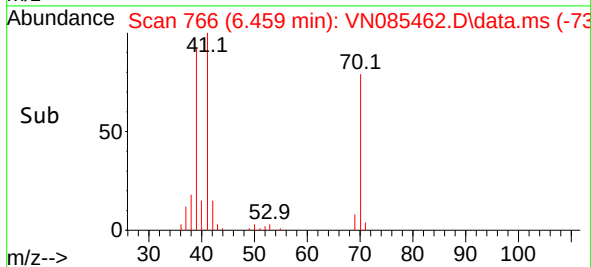
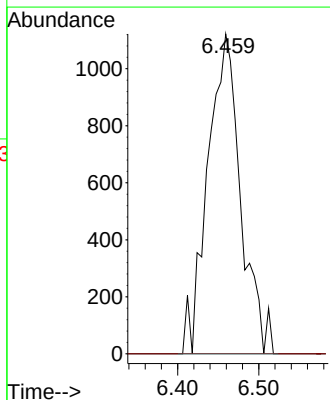
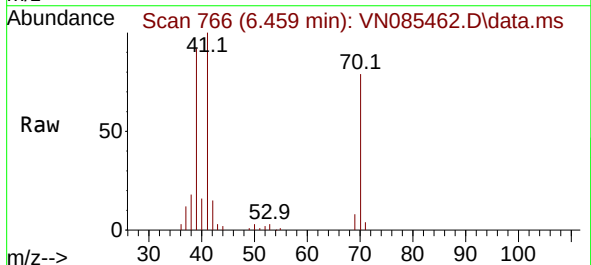


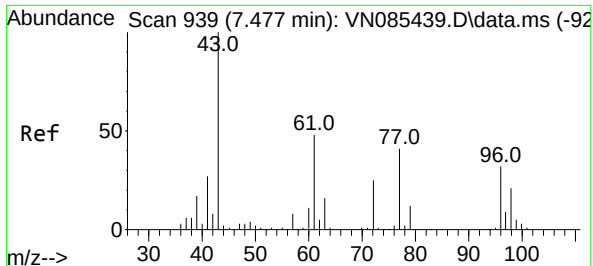
Tgt Ion:	84	Resp:	4655
Ion	Ratio	Lower	Upper
84	100		
49	124.9	104.1	156.1
51	32.5	31.0	46.4
86	62.5	51.9	77.9



#23
Vinyl Acetate
Concen: 0.646 ug/l
RT: 6.459 min Scan# 766
Delta R.T. -0.135 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

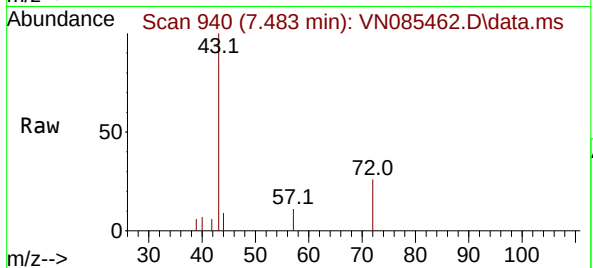
Tgt Ion:	43	Resp:	3164
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.4	12.6#



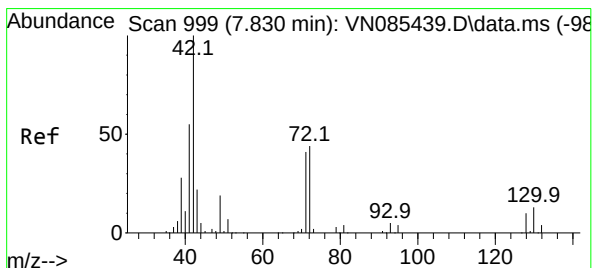
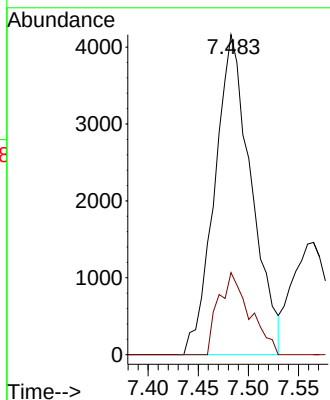
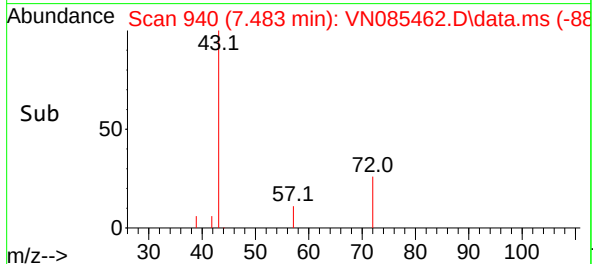


#25
2-Butanone
Concen: 7.610 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

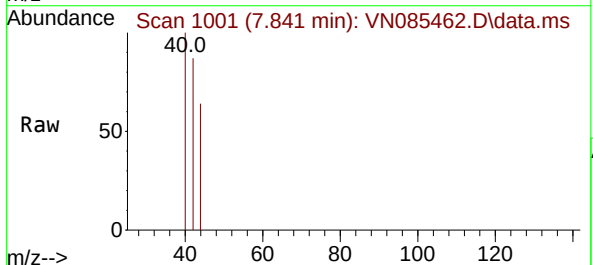
Instrument :
MSVOA_N
ClientSampleId :



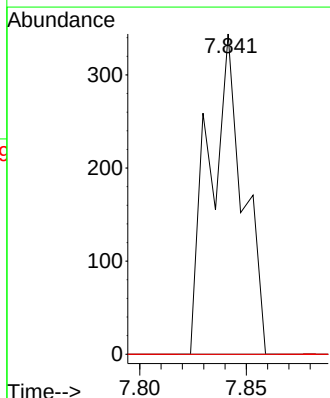
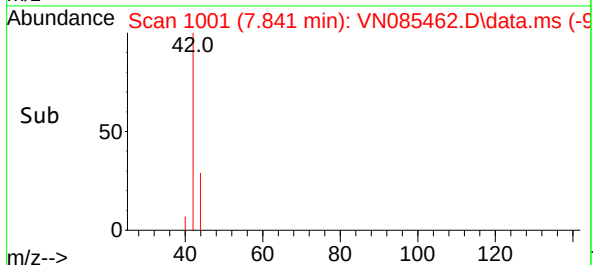
Tgt Ion: 43 Resp: 10567
Ion Ratio Lower Upper
43 100
72 25.6 20.2 30.4

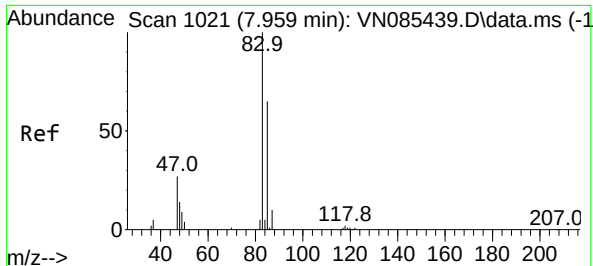


#29
Tetrahydrofuran
Concen: 0.434 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.012 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24



Tgt Ion: 42 Resp: 382
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 0.0 32.5 48.7#

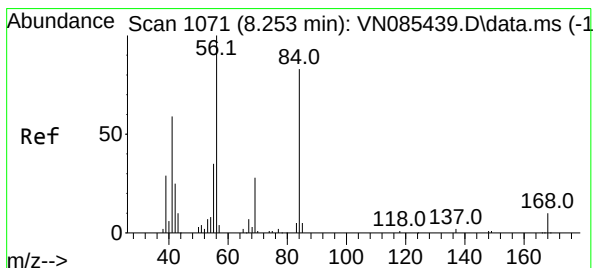
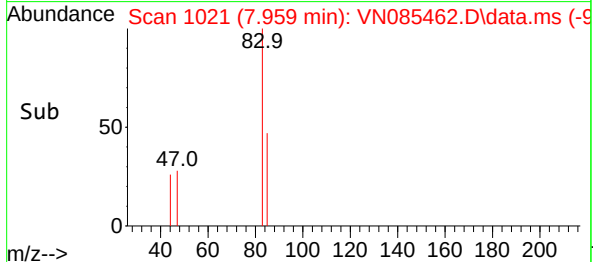
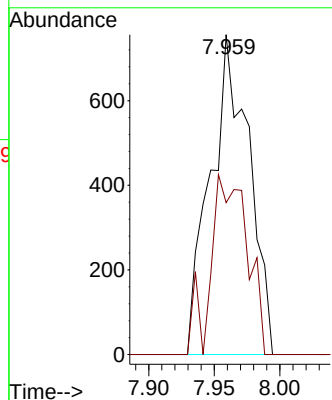
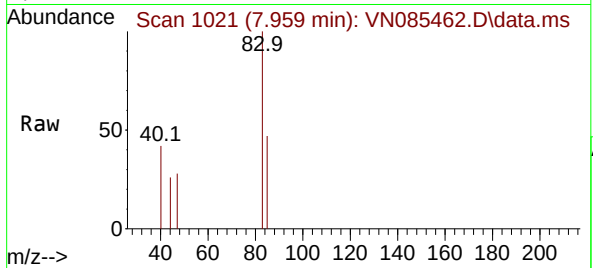




#30
Chloroform
Concen: 0.351 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

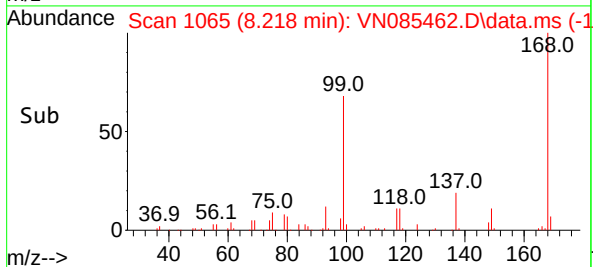
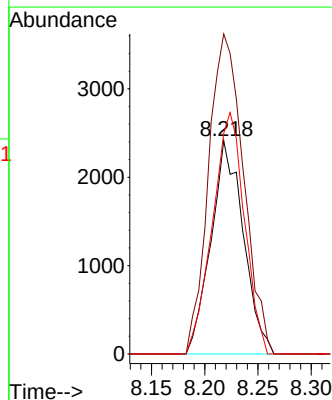
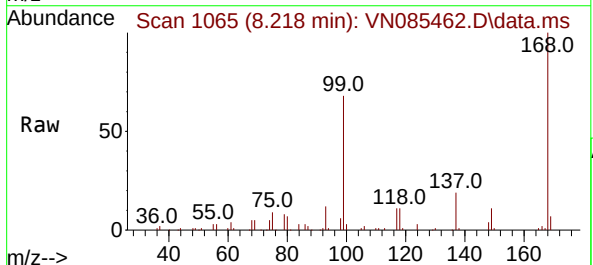
Instrument :
MSVOA_N
ClientSampleId :

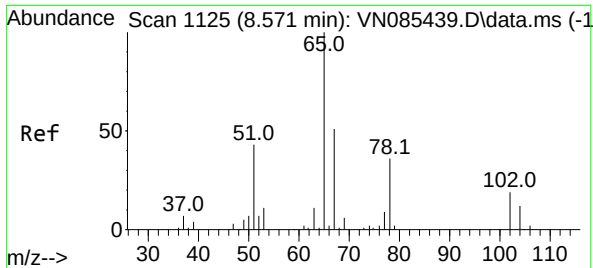
Tgt Ion: 83 Resp: 1549
Ion Ratio Lower Upper
83 100
85 47.5 51.8 77.6#



#31
Cyclohexane
Concen: 1.374 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

Tgt Ion: 56 Resp: 5094
Ion Ratio Lower Upper
56 100
69 150.0 22.2 33.4#
84 103.4 66.4 99.6#

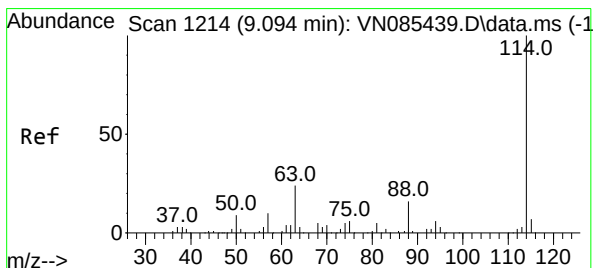
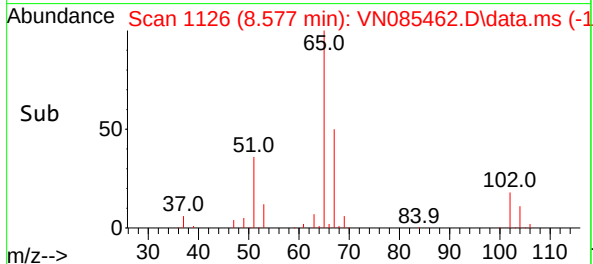
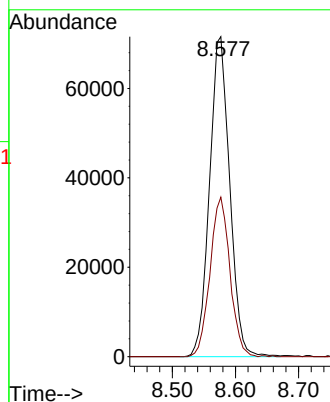
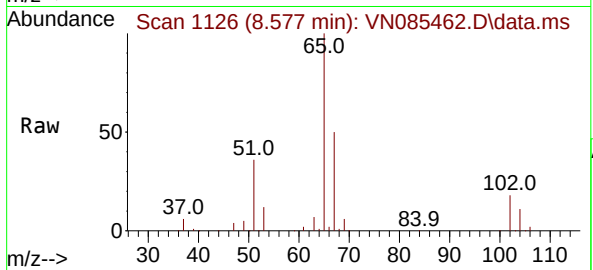




#33
 1,2-Dichloroethane-d4
 Concen: 54.351 ug/l
 RT: 8.577 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: VN085462.D
 Acq: 15 Jan 2025 15:24

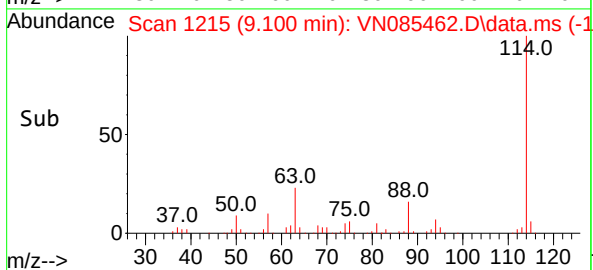
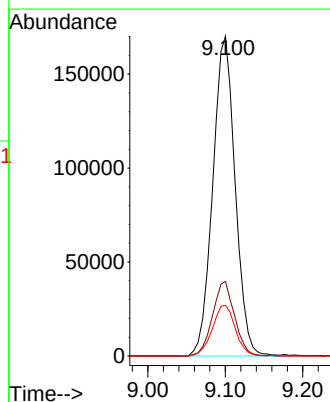
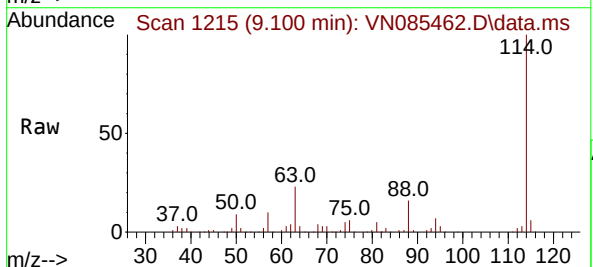
Instrument :
 MSVOA_N
 ClientSampleId :

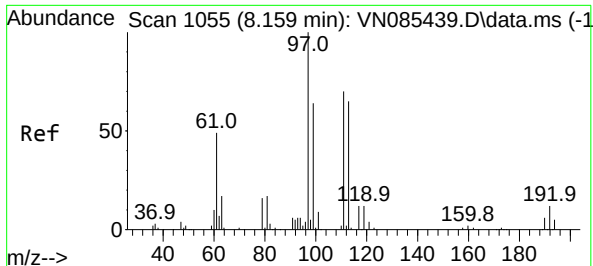
Tgt Ion: 65 Resp: 158732
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085462.D
 Acq: 15 Jan 2025 15:24

Tgt Ion: 114 Resp: 341109
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.6
 88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.590 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

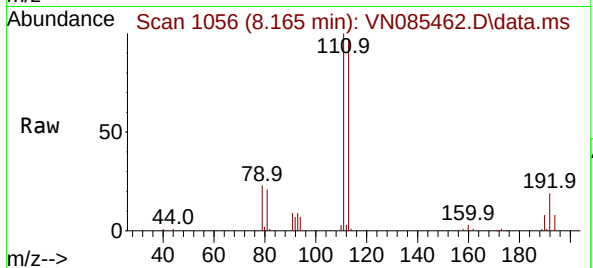
Lab File: VN085462.D

Acq: 15 Jan 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :



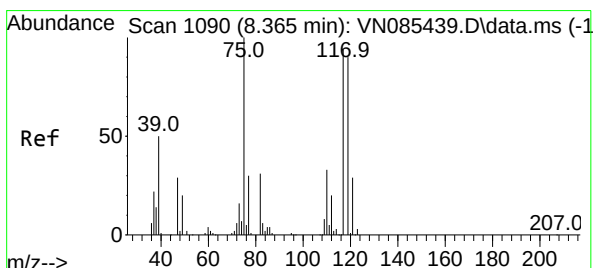
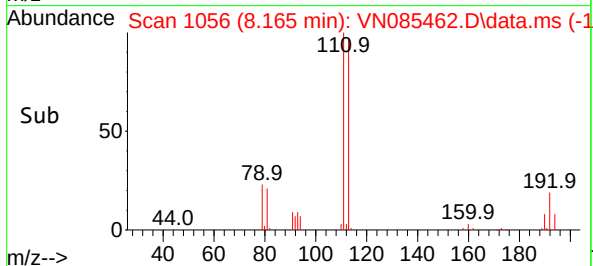
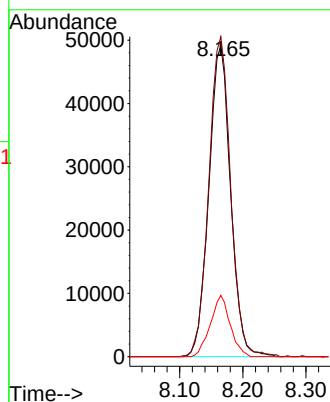
Tgt Ion:113 Resp: 117353

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

192 18.0 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.135 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085462.D

Acq: 15 Jan 2025 15:24

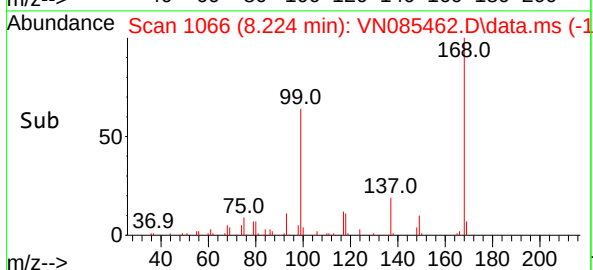
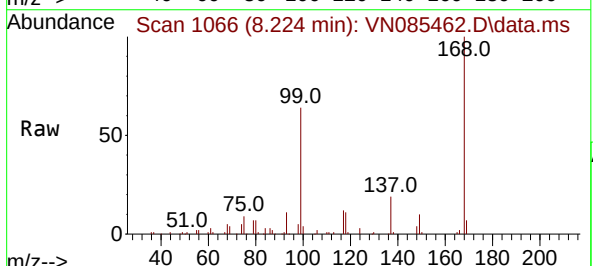
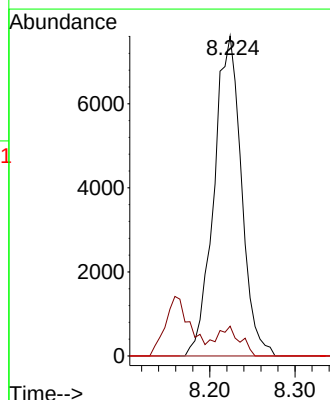
Tgt Ion: 75 Resp: 17055

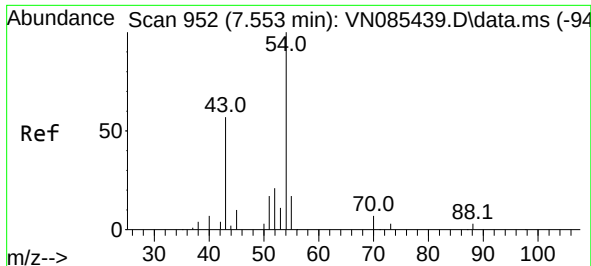
Ion Ratio Lower Upper

75 100

110 6.6 16.5 49.5#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.168 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.012 min

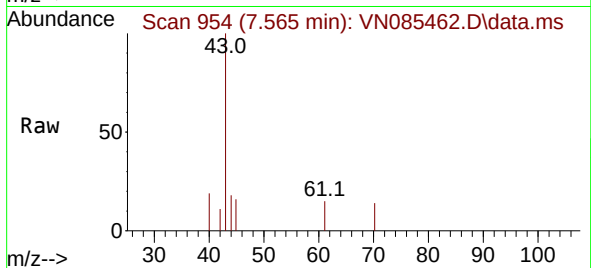
Lab File: VN085462.D

Acq: 15 Jan 2025 15:24

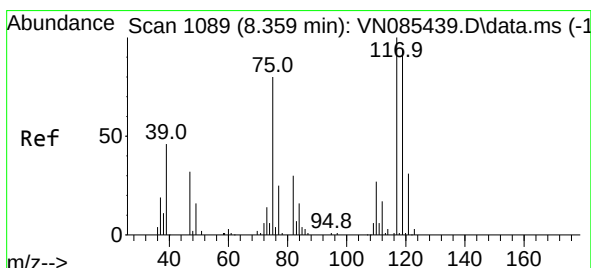
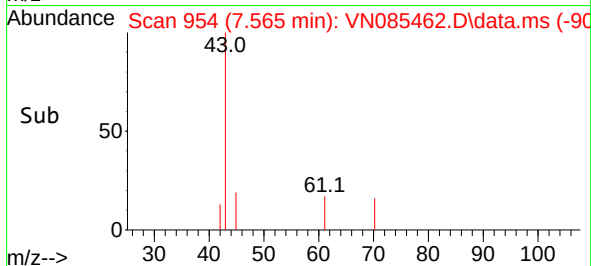
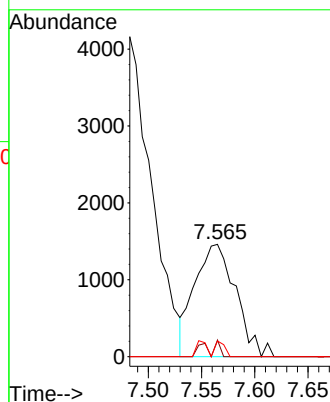
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp:	3917
Ion	Ratio	Lower Upper
43	100	
61	0.0	10.9 16.3#
70	3.2	7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.426 ug/l

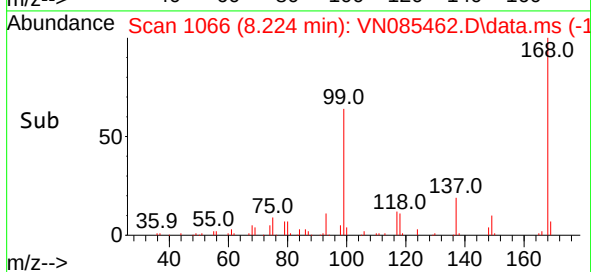
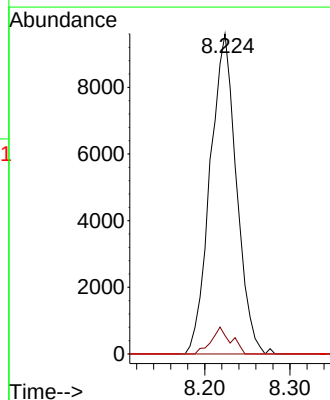
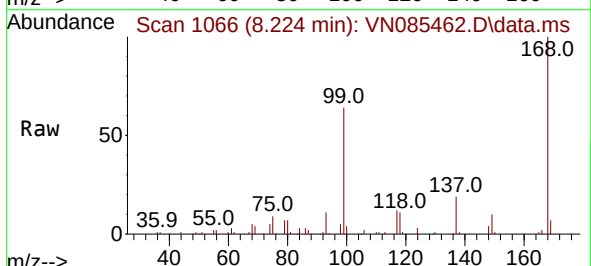
RT: 8.224 min Scan# 1066

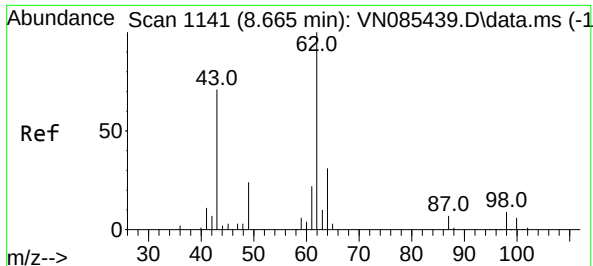
Delta R.T. -0.135 min

Lab File: VN085462.D

Acq: 15 Jan 2025 15:24

Tgt Ion: 117	Resp:	20633
Ion	Ratio	Lower Upper
117	100	
119	5.7	75.4 113.2#
121	0.0	24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.271 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VN085462.D

Acq: 15 Jan 2025 15:24

Instrument :

MSVOA_N

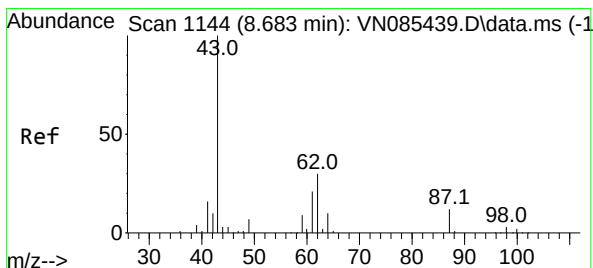
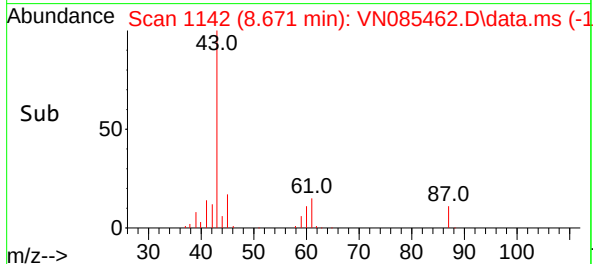
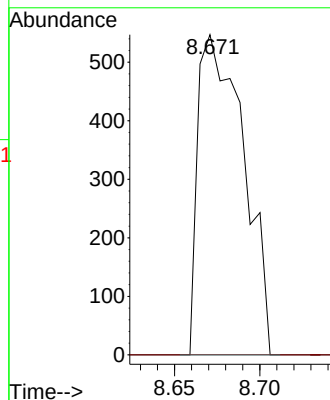
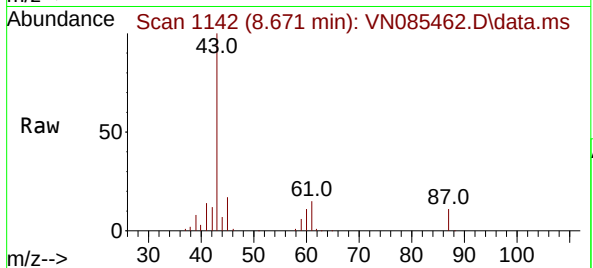
ClientSampleId :

Tgt Ion: 62 Resp: 1017

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 35.058 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN085462.D

Acq: 15 Jan 2025 15:24

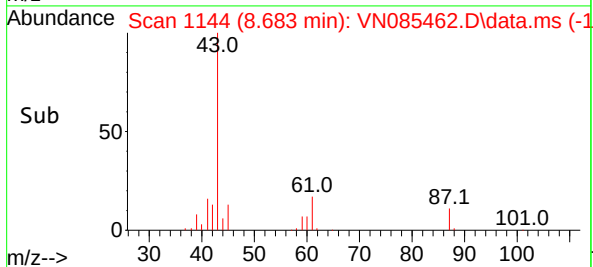
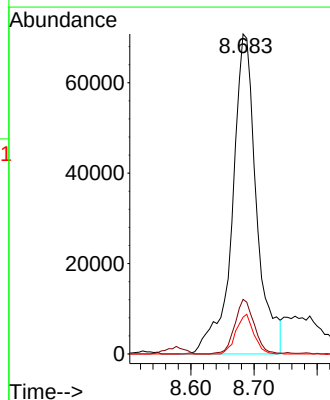
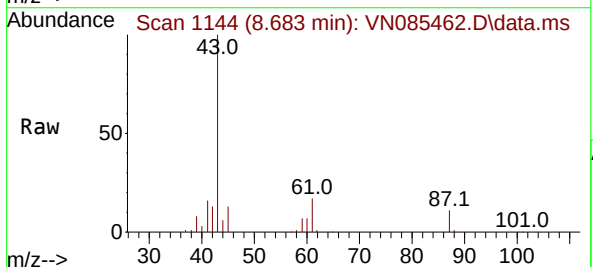
Tgt Ion: 43 Resp: 188319

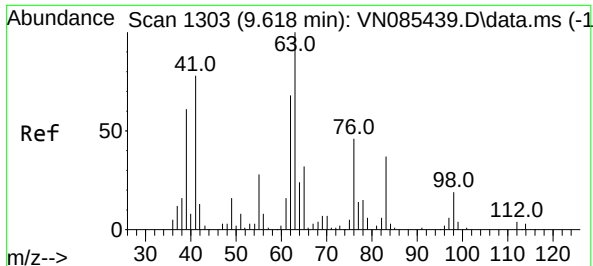
Ion Ratio Lower Upper

43 100

61 13.7 20.7 31.1#

87 9.1 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 0.574 ug/l

RT: 9.730 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN085462.D

Acq: 15 Jan 2025 15:24

Instrument :

MSVOA_N

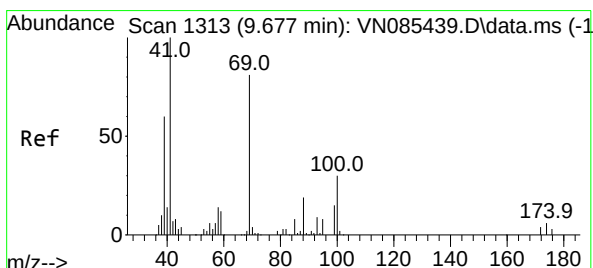
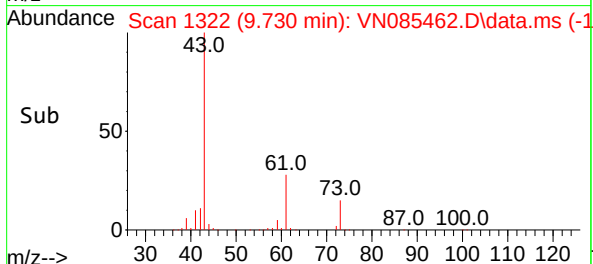
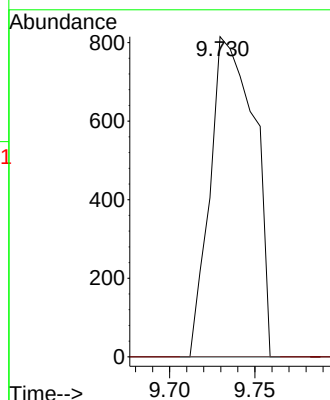
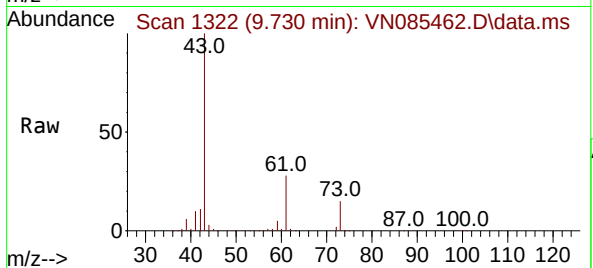
ClientSampleId :

Tgt Ion: 63 Resp: 1464

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 1.932 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN085462.D

Acq: 15 Jan 2025 15:24

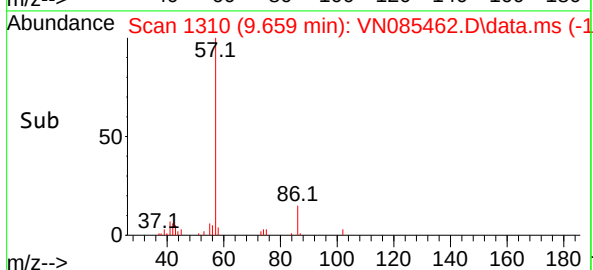
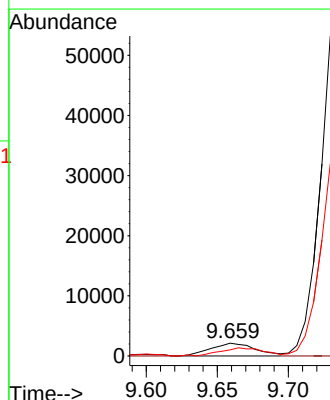
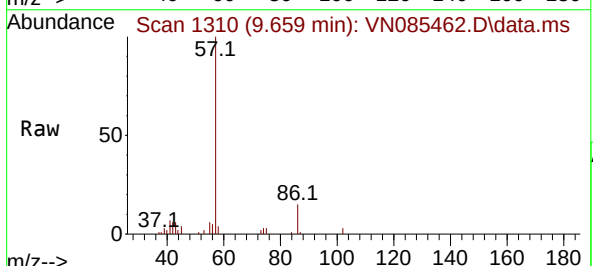
Tgt Ion: 41 Resp: 4670

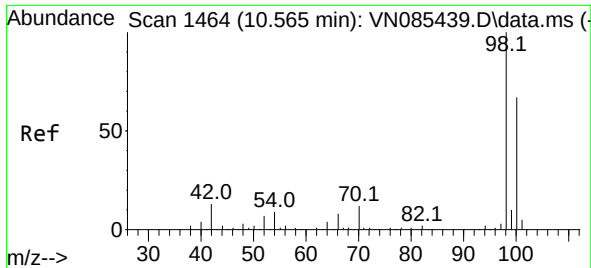
Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 61.6 49.0 73.6

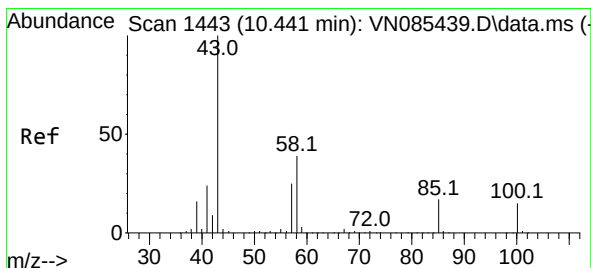
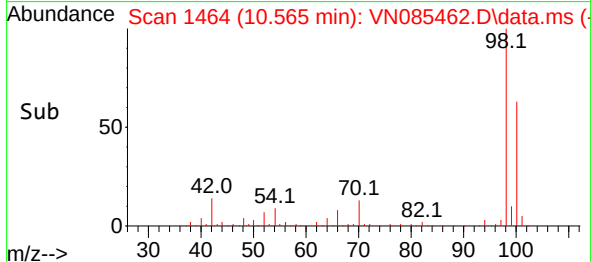
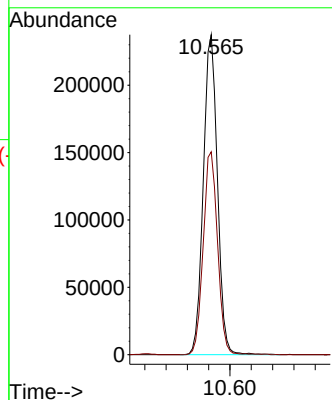
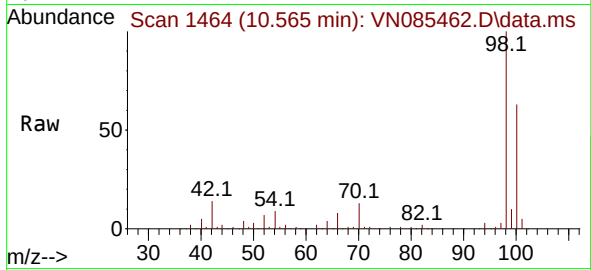




#50
Toluene-d8
Concen: 51.814 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

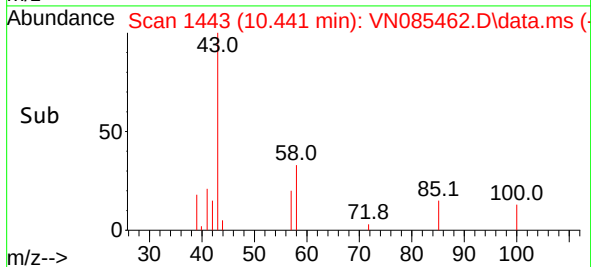
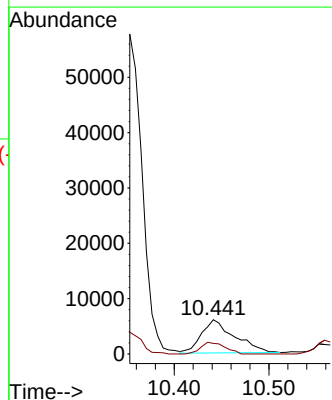
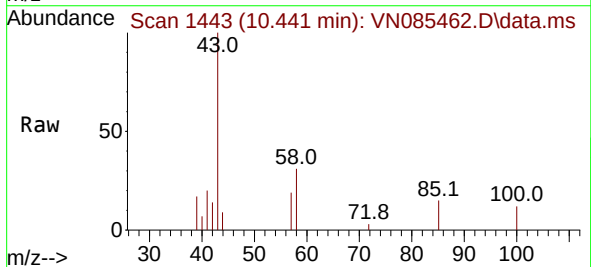
Instrument :
MSVOA_N
ClientSampleId :

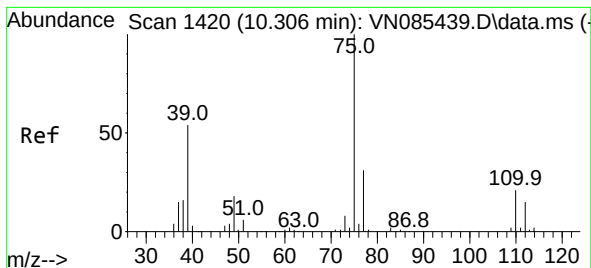
Tgt Ion: 98 Resp: 435648
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.675 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

Tgt Ion: 43 Resp: 14573
Ion Ratio Lower Upper
43 100
58 25.6 30.5 45.7#

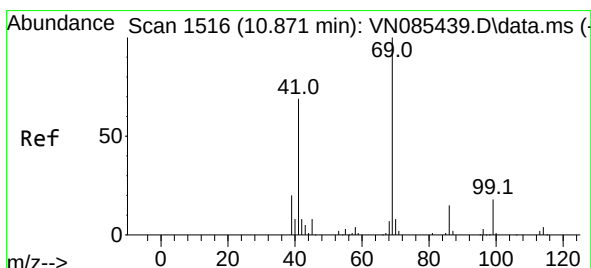
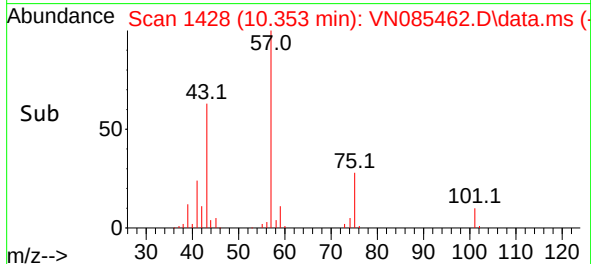
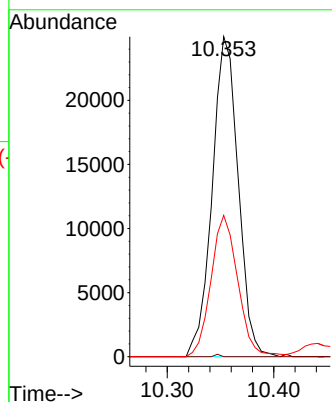
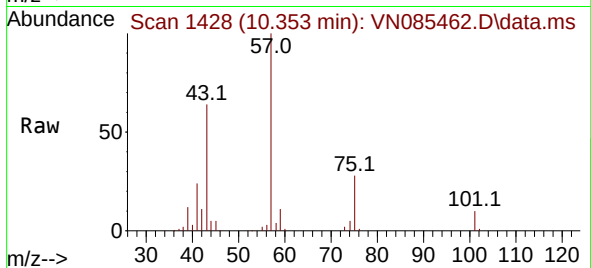




#54
 cis-1,3-Dichloropropene
 Concen: 11.175 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085462.D
 Acq: 15 Jan 2025 15:24

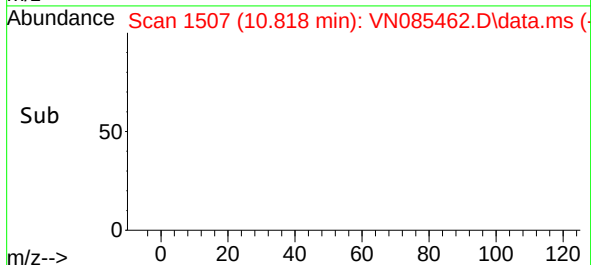
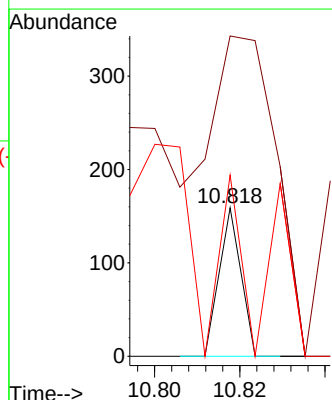
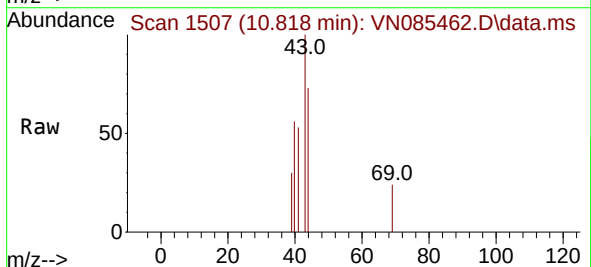
Instrument :
 MSVOA_N
 ClientSampleId :

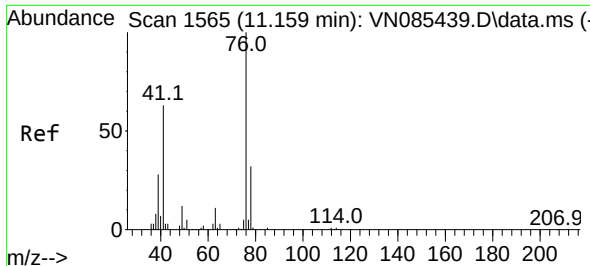
Tgt Ion: 75 Resp: 42271
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 44.2 43.1 64.7



#56
 Ethyl methacrylate
 Concen: 1.945 ug/l
 RT: 10.818 min Scan# 1507
 Delta R.T. -0.053 min
 Lab File: VN085462.D
 Acq: 15 Jan 2025 15:24

Tgt Ion: 69 Resp: 56
 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: 1.395 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN085462.D

Acq: 15 Jan 2025 15:24

Instrument :

MSVOA_N

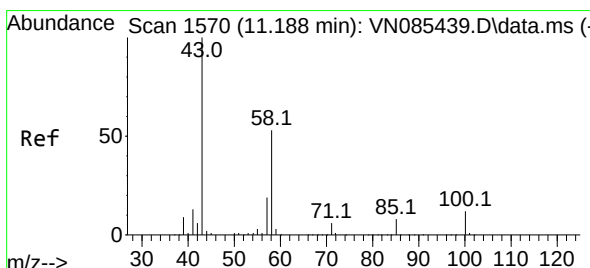
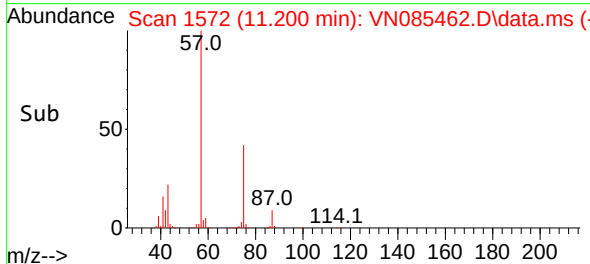
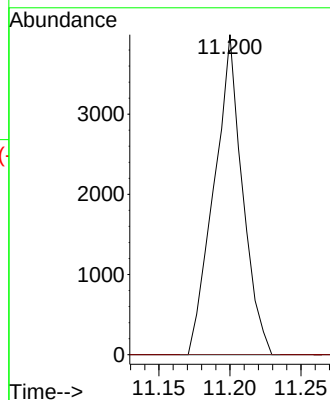
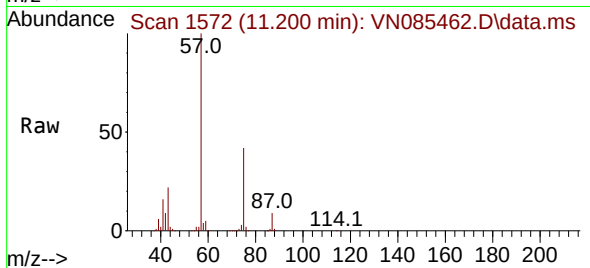
ClientSampleId :

Tgt Ion: 76 Resp: 5552

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 50.509 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.024 min

Lab File: VN085462.D

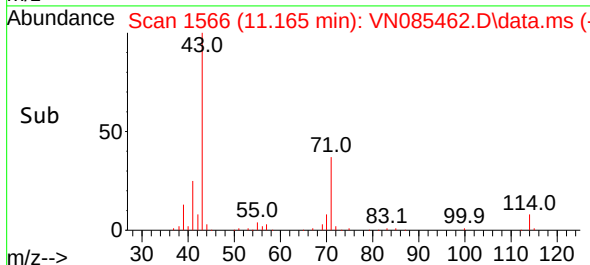
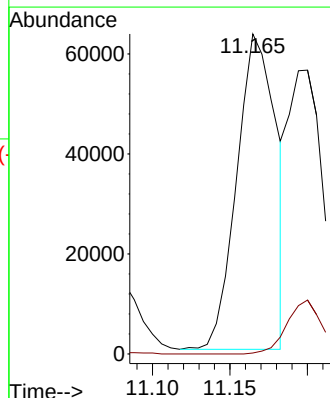
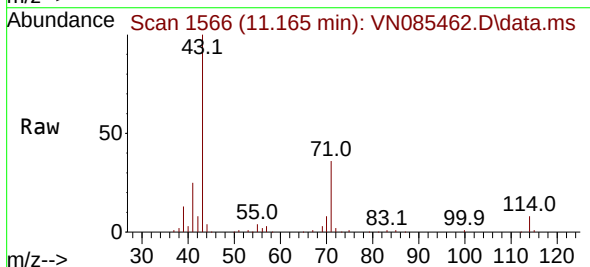
Acq: 15 Jan 2025 15:24

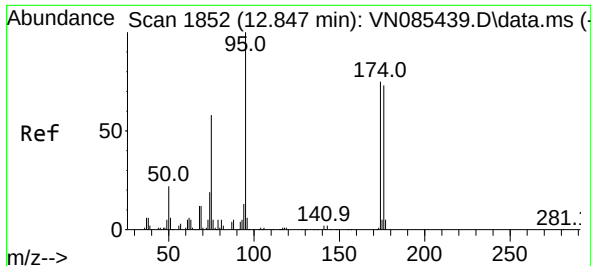
Tgt Ion: 43 Resp: 110781

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.6#

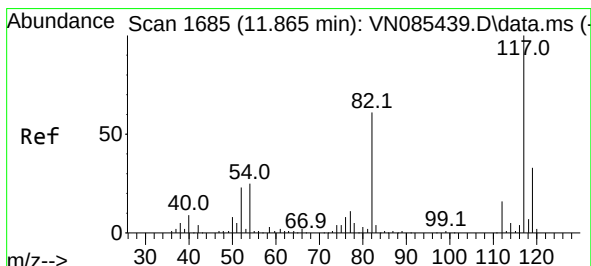
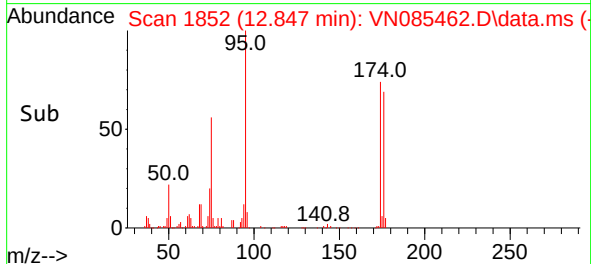
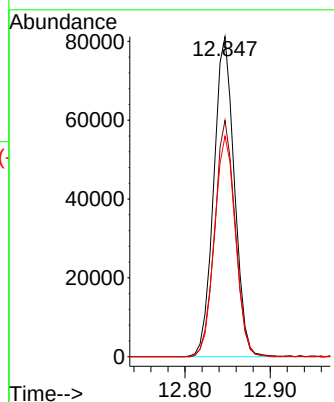
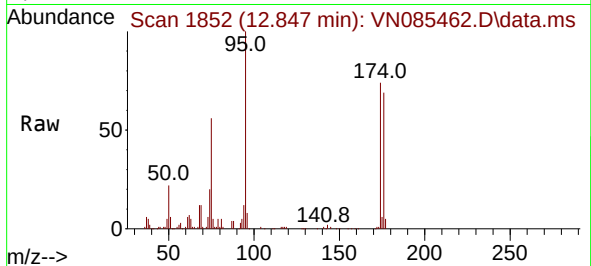




#62
4-Bromofluorobenzene
Concen: 47.490 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

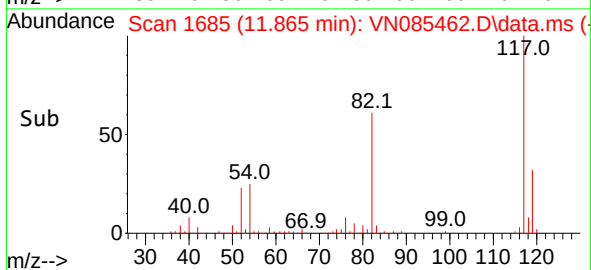
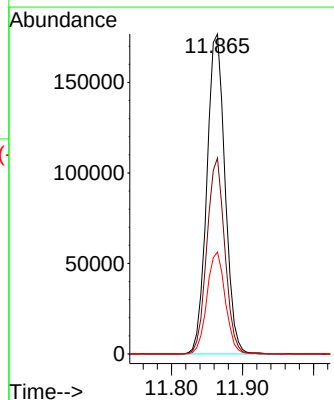
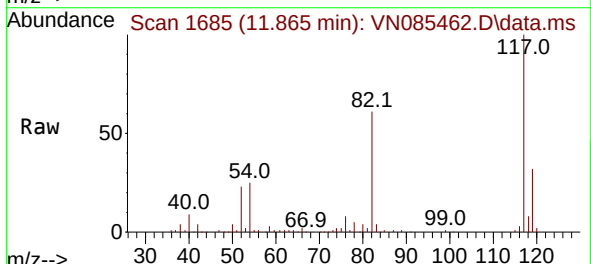
Instrument :
MSVOA_N
ClientSampleId :

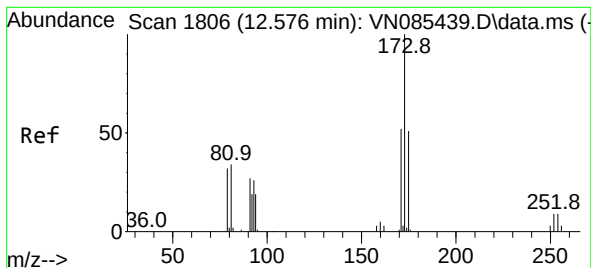
Tgt Ion: 95 Resp: 136589
Ion Ratio Lower Upper
95 100
174 73.3 0.0 145.0
176 70.3 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

Tgt Ion: 117 Resp: 314668
Ion Ratio Lower Upper
117 100
82 61.2 48.6 72.8
119 31.8 26.6 39.8





#71

Bromoform

Concen: 0.626 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN085462.D

Acq: 15 Jan 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :

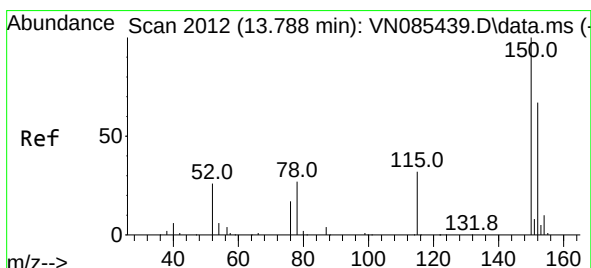
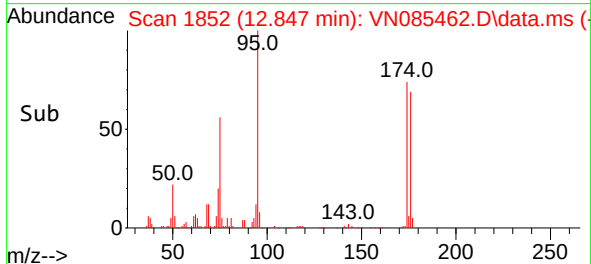
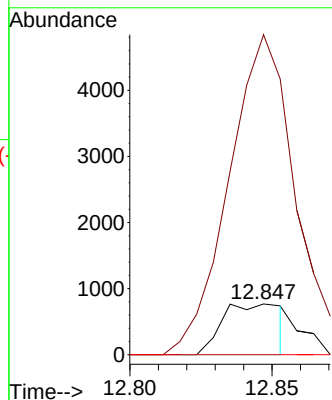
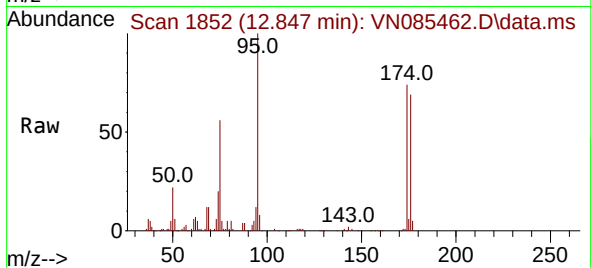
Tgt Ion:173 Resp: 1133

Ion Ratio Lower Upper

173 100

175 563.1 24.4 73.2#

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: VN085462.D

Acq: 15 Jan 2025 15:24

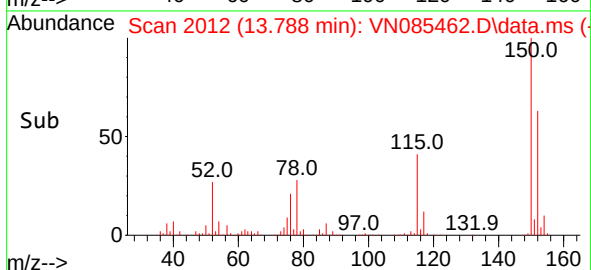
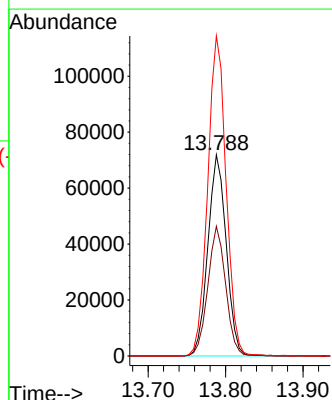
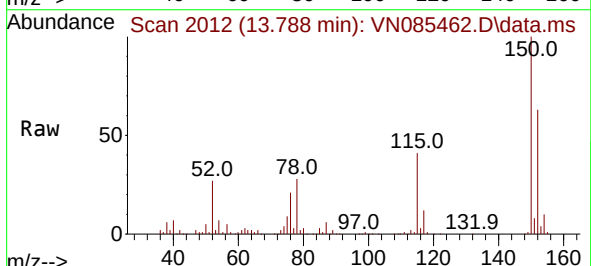
Tgt Ion:152 Resp: 118321

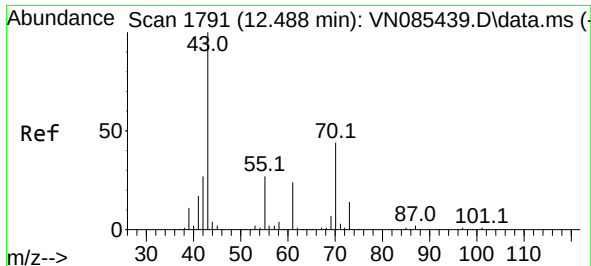
Ion Ratio Lower Upper

152 100

115 62.8 31.1 93.3

150 158.9 0.0 343.6

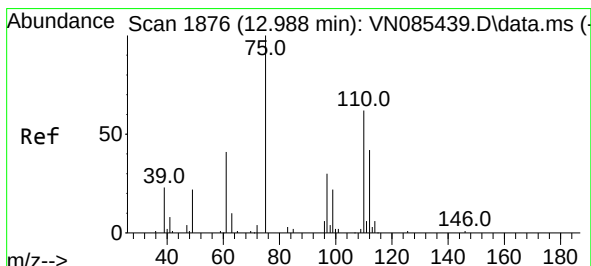
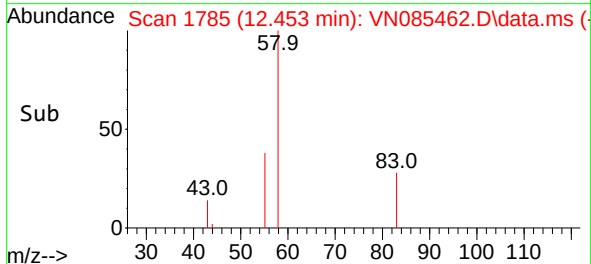
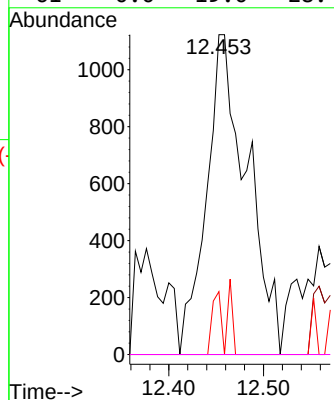
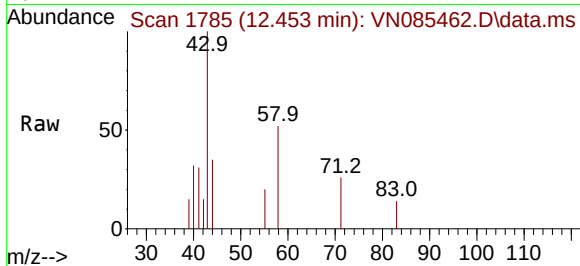




#74
N-amy1 acetate
Concen: 0.933 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

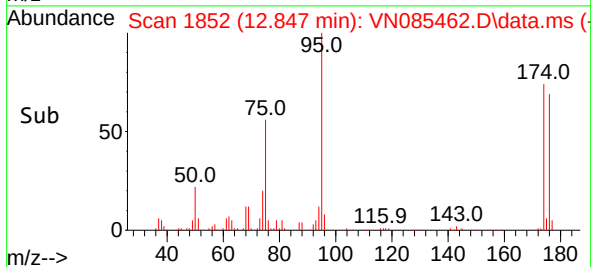
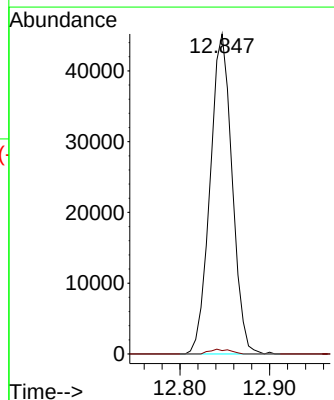
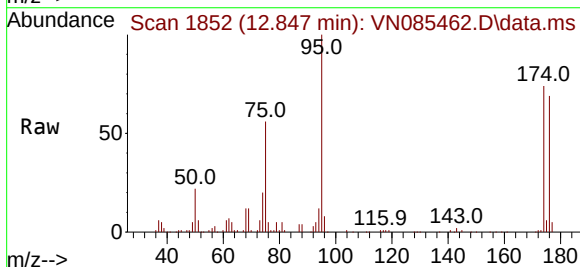
Instrument :
MSVOA_N
ClientSampleId :

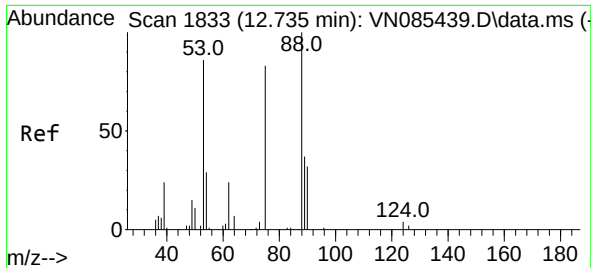
Tgt Ion: 43	Resp: 3349
Ion Ratio	Lower Upper
43	100
70	0.0 34.0 51.0#
55	4.3 21.4 32.2#
61	0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 32.034 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085462.D
Acq: 15 Jan 2025 15:24

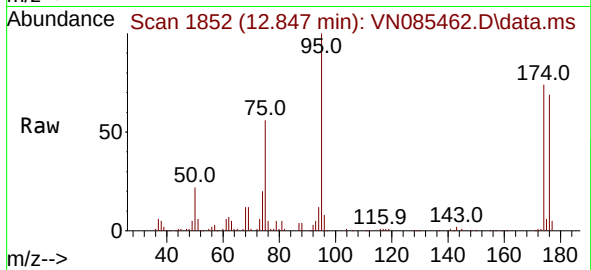
Tgt Ion: 75	Resp: 77039
Ion Ratio	Lower Upper
75	100
77	1.4 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.671 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085462.D
 Acq: 15 Jan 2025 15:24

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 77039
 Ion Ratio Lower Upper
 75 100
 53 0.2 95.6 143.4#
 89 0.0 37.0 55.6#

