

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085598.D
 Acq On : 31 Jan 2025 13:39
 Operator : JC\MD
 Sample : PB166357ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 22:27:48 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)

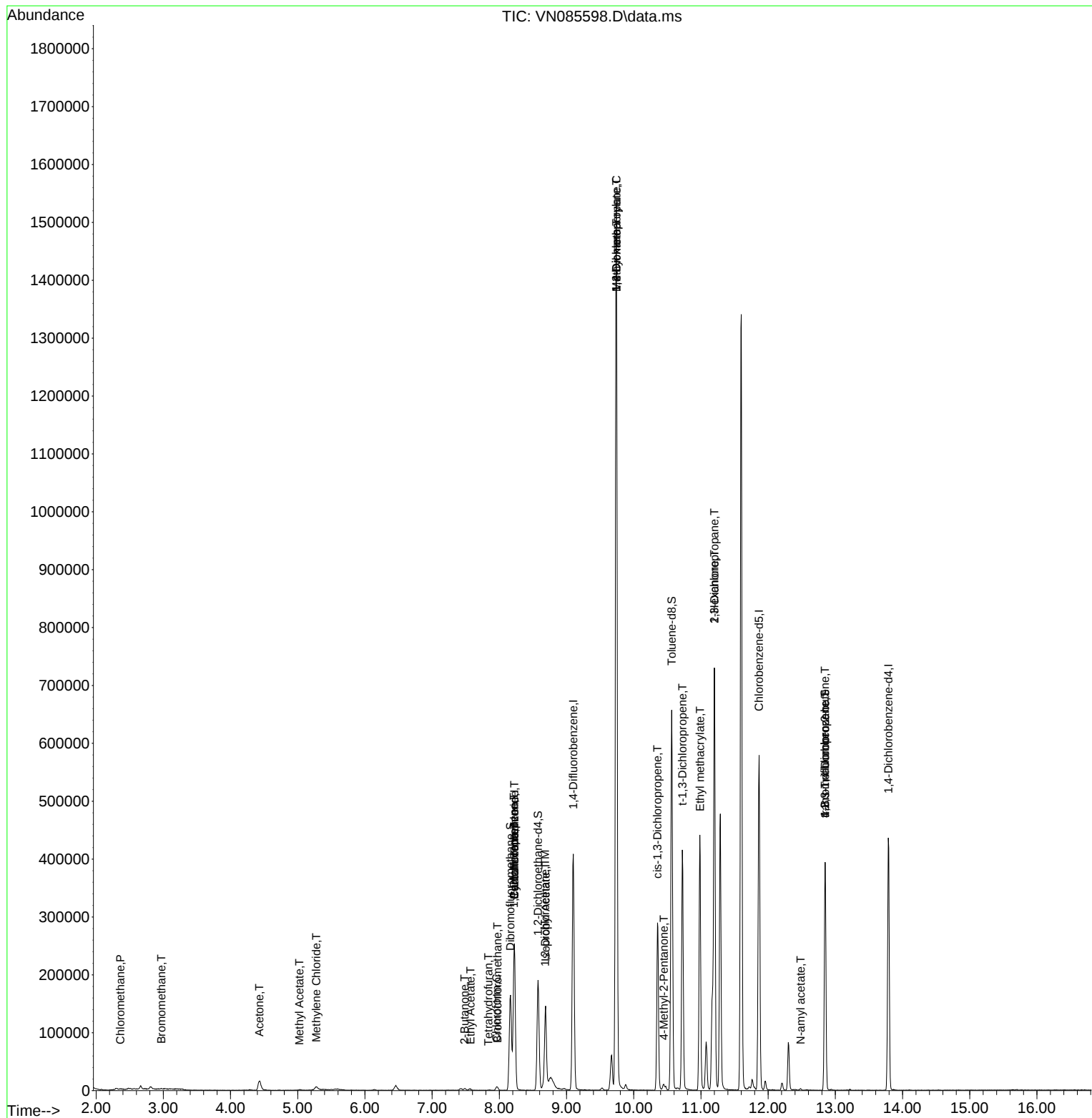
Internal Standards						
1) Pentafluorobenzene	8.224	168	170516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	332349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	156433	56.833	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.660%			
35) Dibromofluoromethane	8.165	113	115861	50.250	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.500%			
50) Toluene-d8	10.565	98	429186	52.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.780%			
62) 4-Bromofluorobenzene	12.847	95	129413	46.181	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.360%			
Target Compounds					Qvalue	
3) Chloromethane	2.360	50	663	0.265	ug/l	97
5) Bromomethane	2.971	94	338	0.223	ug/l	95
16) Acetone	4.430	43	31784	35.738	ug/l	100
18) Methyl Acetate	5.024	43	2103	0.778	ug/l #	60
20) Methylene Chloride	5.277	84	3909	1.775	ug/l	92
25) 2-Butanone	7.483	43	5266	4.024	ug/l #	86
28) Bromochloromethane	7.971	49	467	0.250	ug/l #	18
29) Tetrahydrofuran	7.836	42	664	0.800	ug/l #	34
30) Chloroform	7.959	83	6501	1.565	ug/l	97
31) Cyclohexane	8.224	56	4785	1.370	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16881	5.217	ug/l #	48
37) Ethyl Acetate	7.571	43	4329	1.325	ug/l #	75
38) Carbon Tetrachloride	8.224	117	19539	5.274	ug/l #	18
42) 1,2-Dichloroethane	8.683	62	946	0.258	ug/l #	76
43) Isopropyl Acetate	8.688	43	159520	30.479	ug/l #	88
45) 1,2-Dichloropropane	9.741	63	1745	0.703	ug/l #	43
48) Methyl methacrylate	9.741	41	146938	62.387	ug/l #	46
49) 1,4-Dioxane	9.741	88	121	3.051	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	10490	3.454	ug/l #	74
53) t-1,3-Dichloropropene	10.724	75	842	0.244	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	47479	12.883	ug/l #	72
56) Ethyl methacrylate	10.988	69	2326	2.526	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7061	1.821	ug/l #	43
59) 2-Hexanone	11.200	43	88783	41.547	ug/l #	57
74) N-amyl acetate	12.482	43	1220	0.354	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	72799	31.514	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72799	85.263	ug/l #	3

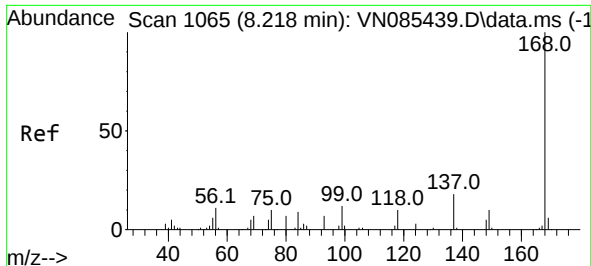
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085598.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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Quant Time: Jan 31 22:27:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
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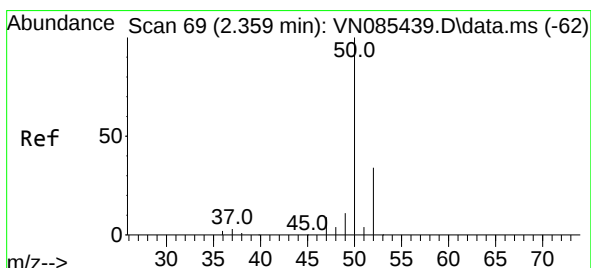
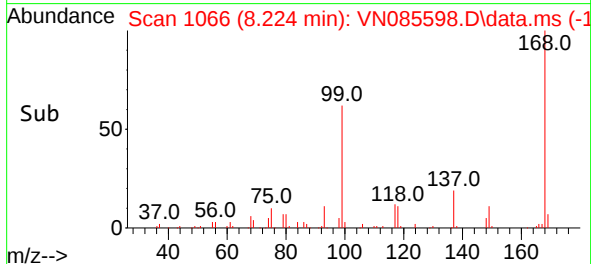
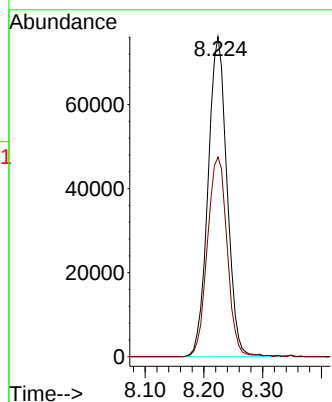
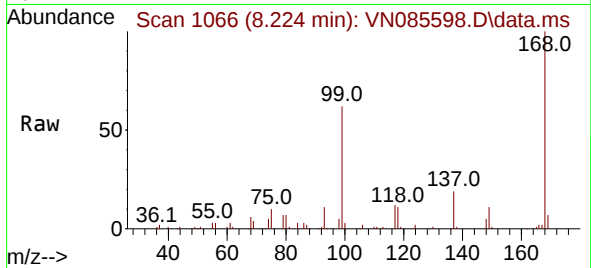




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

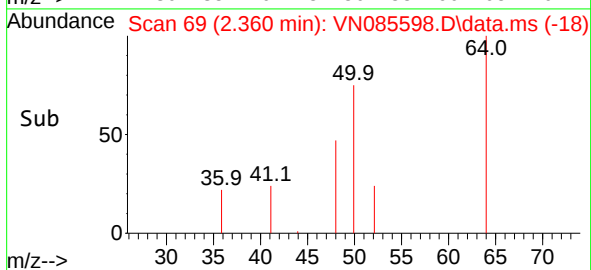
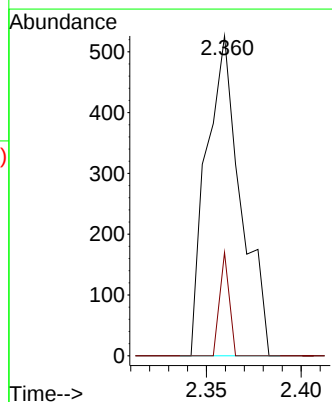
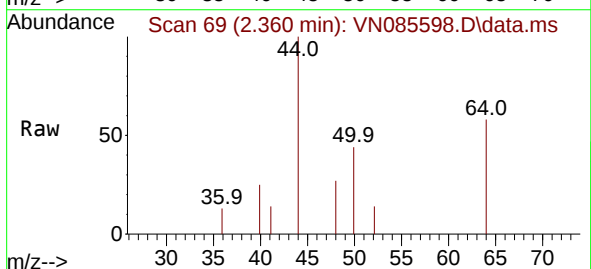
Instrument :
MSVOA_N
ClientSampleId :

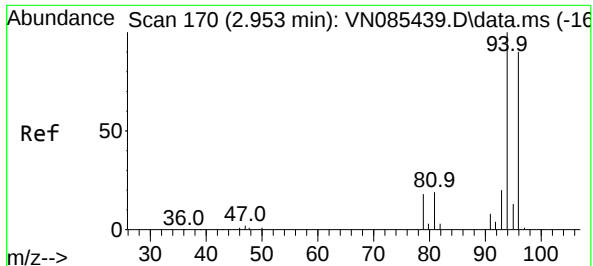
Tgt Ion:168 Resp: 170516
Ion Ratio Lower Upper
168 100
99 62.4 53.6 80.4



#3
Chloromethane
Concen: 0.265 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

Tgt Ion: 50 Resp: 663
Ion Ratio Lower Upper
50 100
52 32.3 27.0 40.6

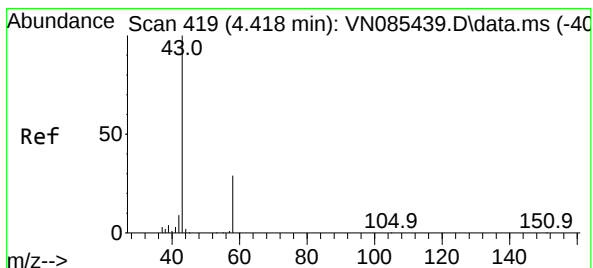
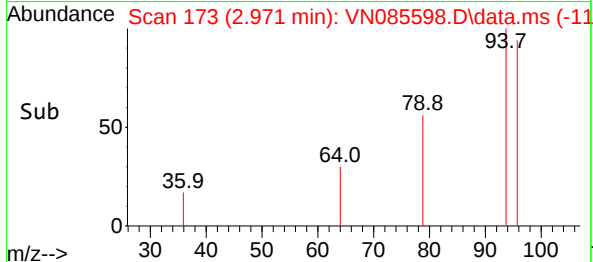
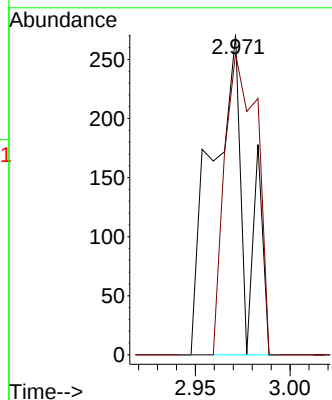
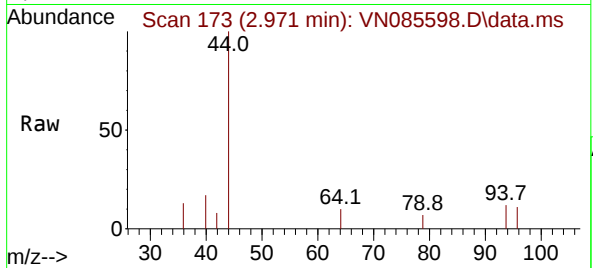




#5
Bromomethane
Concen: 0.223 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

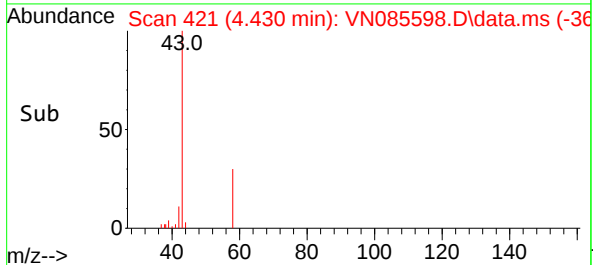
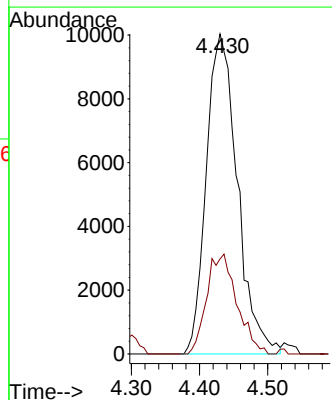
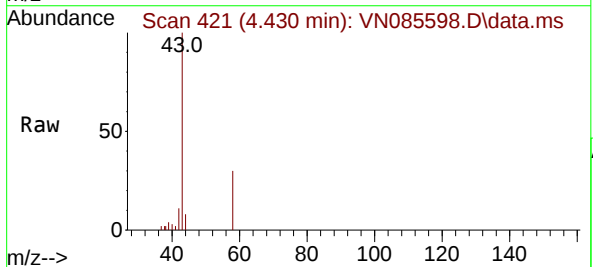
Instrument :
MSVOA_N
ClientSampleId :

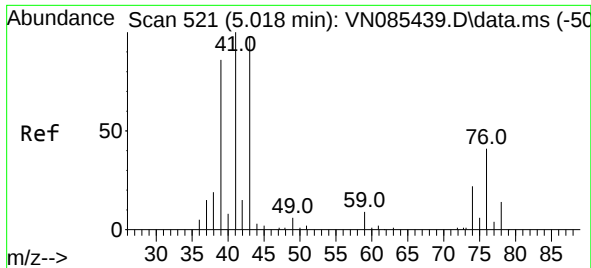
Tgt Ion: 94 Resp: 338
Ion Ratio Lower Upper
94 100
96 94.1 71.8 107.6



#16
Acetone
Concen: 35.738 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

Tgt Ion: 43 Resp: 31784
Ion Ratio Lower Upper
43 100
58 29.7 23.8 35.6

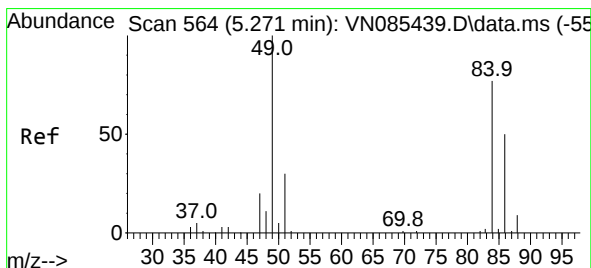
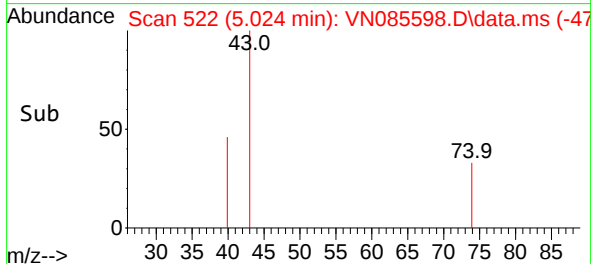
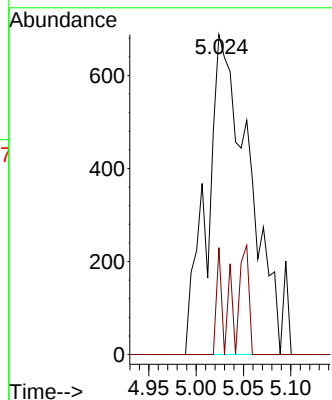
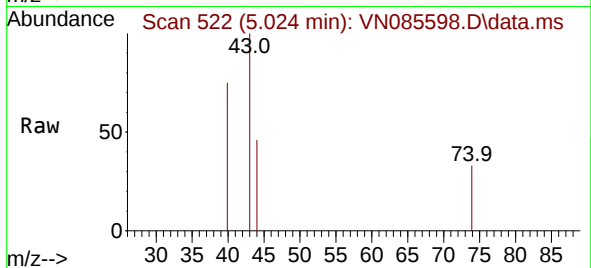




#18
Methyl Acetate
Concen: 0.778 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

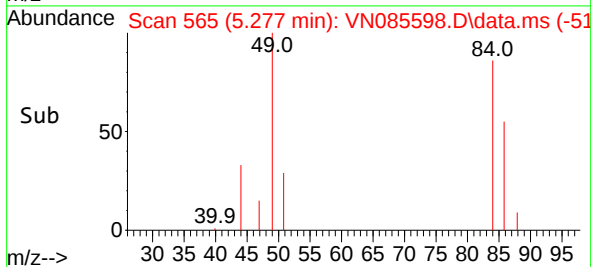
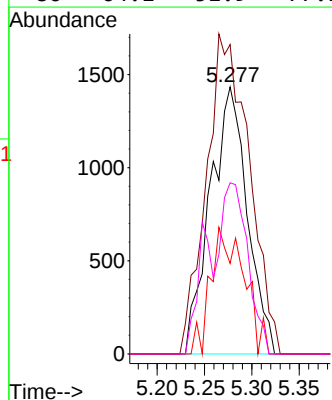
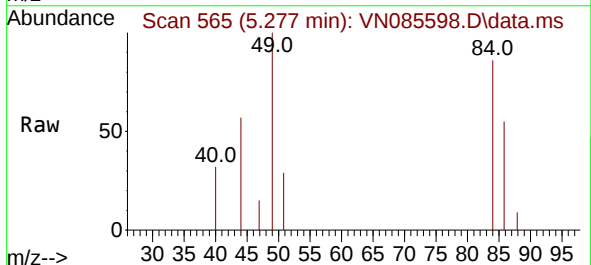
Instrument :
MSVOA_N
ClientSampleId :

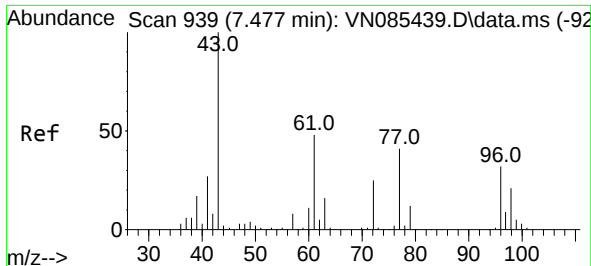
Tgt Ion: 43 Resp: 2103
Ion Ratio Lower Upper
43 100
74 3.9 18.6 28.0#



#20
Methylene Chloride
Concen: 1.775 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

Tgt Ion: 84 Resp: 3909
Ion Ratio Lower Upper
84 100
49 115.8 104.1 156.1
51 33.9 31.0 46.4
86 64.1 51.9 77.9

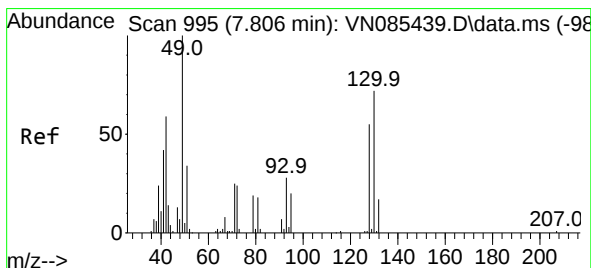
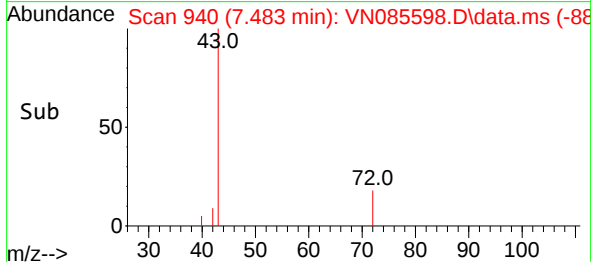
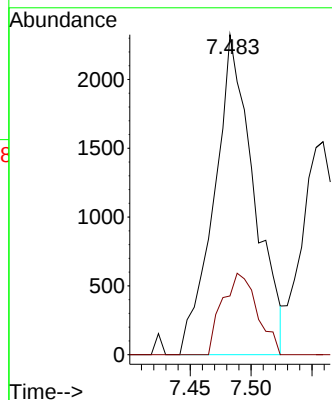
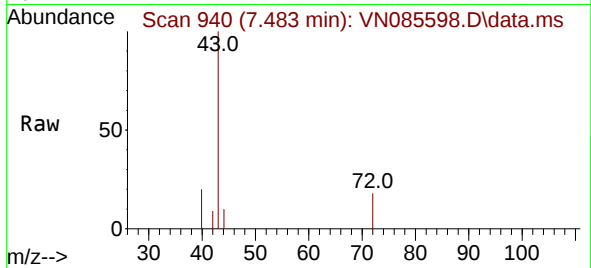




#25
2-Butanone
Concen: 4.024 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

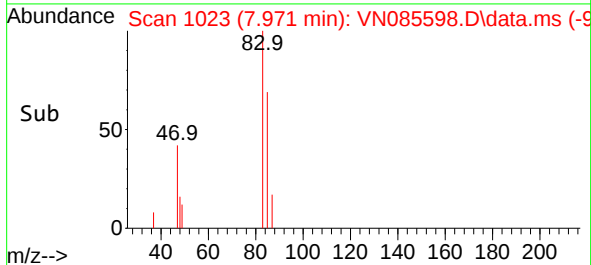
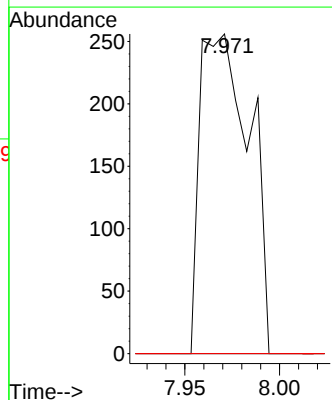
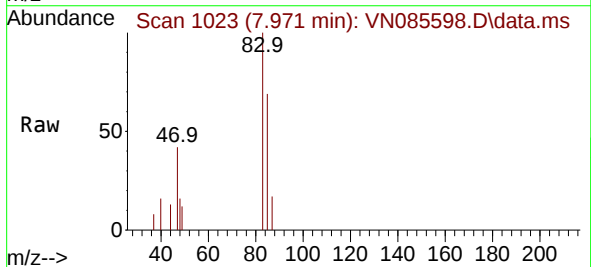
Instrument :
MSVOA_N
ClientSampleId :

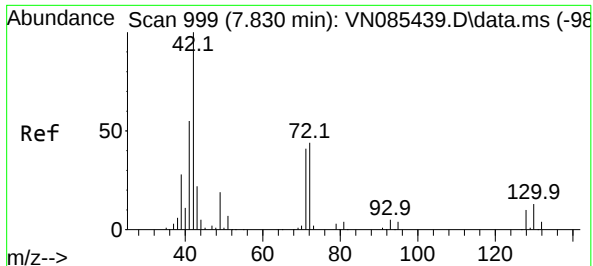
Tgt Ion: 43 Resp: 5266
Ion Ratio Lower Upper
43 100
72 18.4 20.2 30.4#



#28
Bromochloromethane
Concen: 0.250 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.165 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

Tgt Ion: 49 Resp: 467
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 55.0 82.4#





#29

Tetrahydrofuran

Concen: 0.800 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.006 min

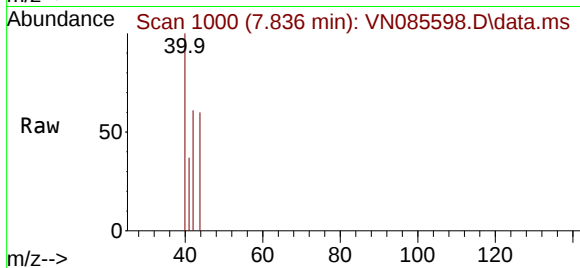
Lab File: VN085598.D

Acq: 31 Jan 2025 13:39

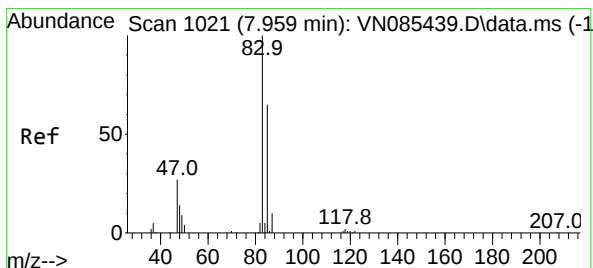
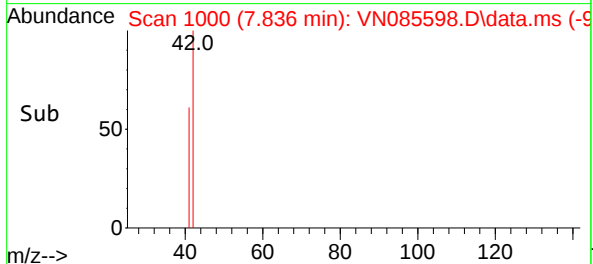
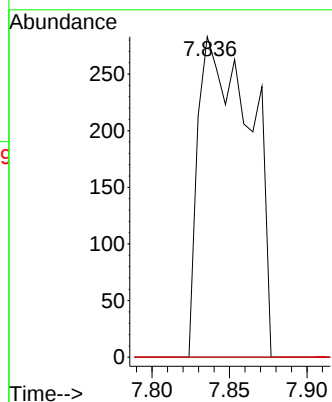
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	664
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	0.0	32.5	48.7#



#30

Chloroform

Concen: 1.565 ug/l

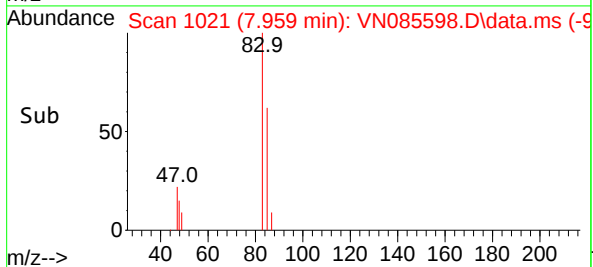
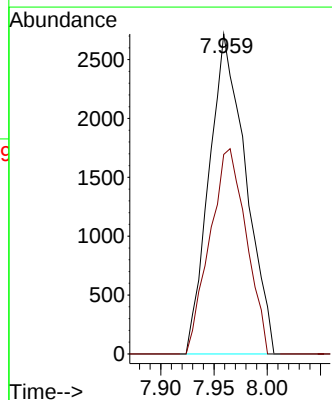
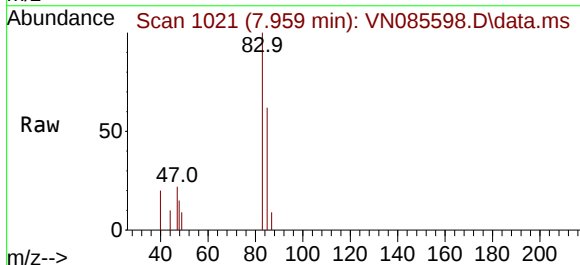
RT: 7.959 min Scan# 1021

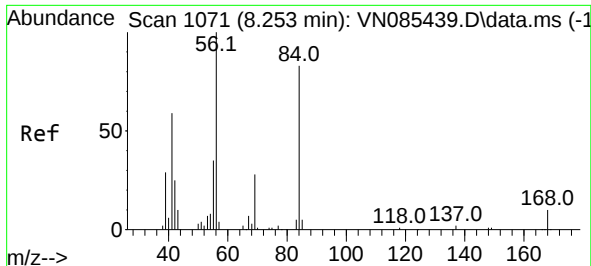
Delta R.T. 0.000 min

Lab File: VN085598.D

Acq: 31 Jan 2025 13:39

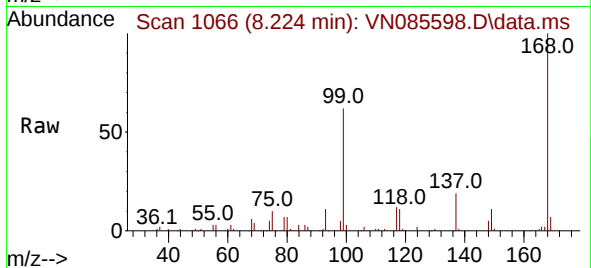
Tgt Ion:	83	Resp:	6501
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.8	77.6



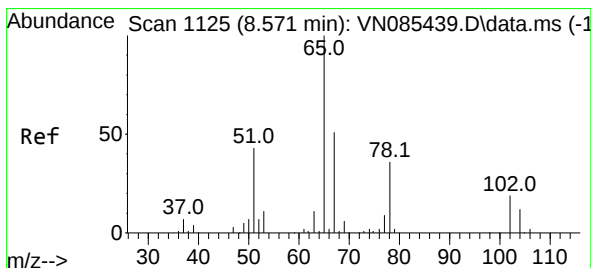
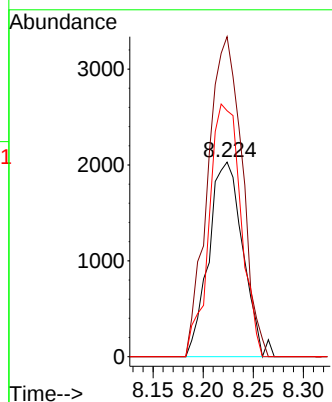
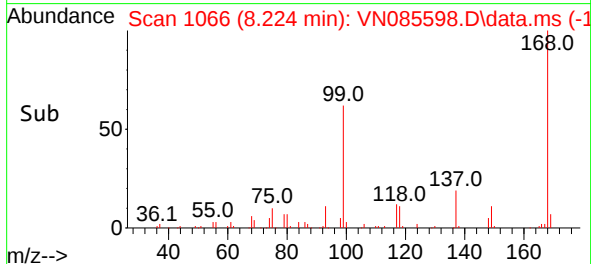


#31
Cyclohexane
Concen: 1.370 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

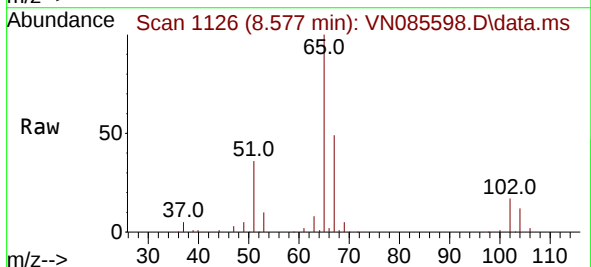
Instrument :
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ClientSampleId :



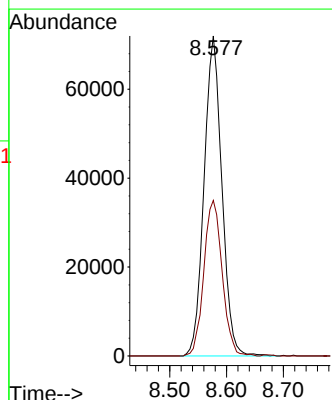
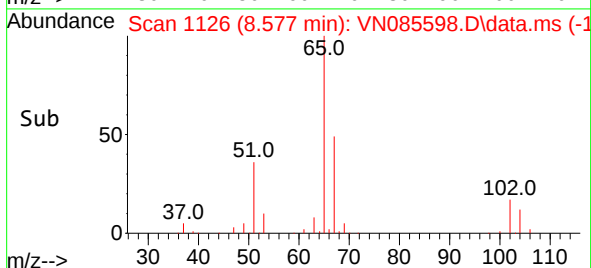
Tgt Ion: 56 Resp: 4785
Ion Ratio Lower Upper
56 100
69 164.5 22.2 33.4#
84 126.5 66.4 99.6#

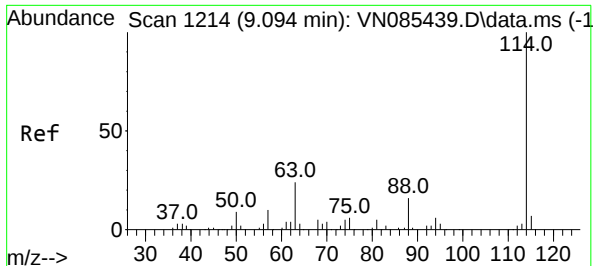


#33
1,2-Dichloroethane-d4
Concen: 56.833 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39



Tgt Ion: 65 Resp: 156433
Ion Ratio Lower Upper
65 100
67 50.1 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: VN085598.D

Acq: 31 Jan 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

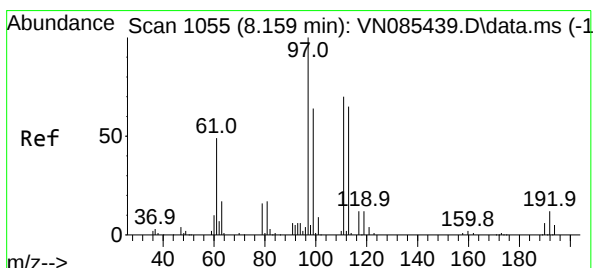
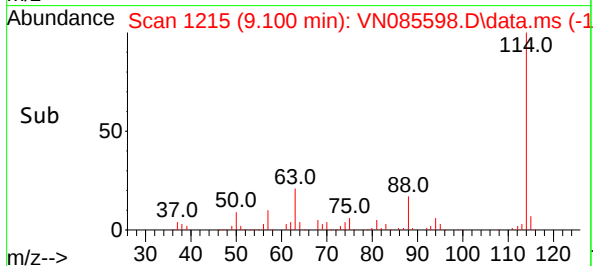
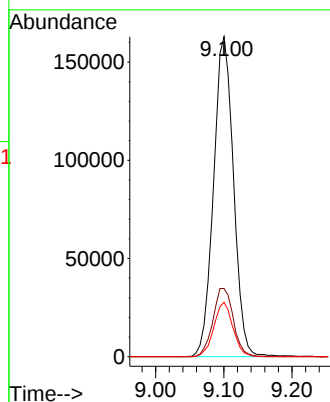
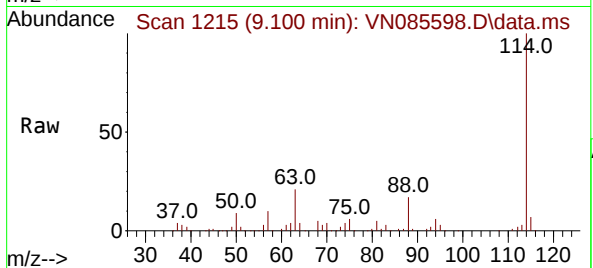
Tgt Ion:114 Resp: 332349

Ion Ratio Lower Upper

114 100

63 21.3 0.0 47.6

88 17.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.250 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085598.D

Acq: 31 Jan 2025 13:39

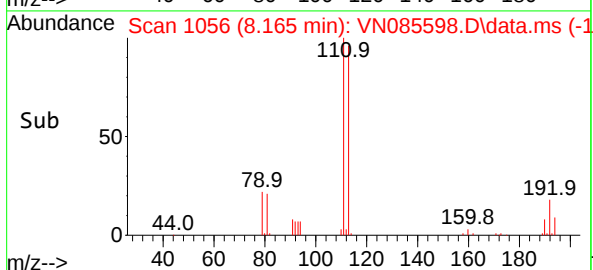
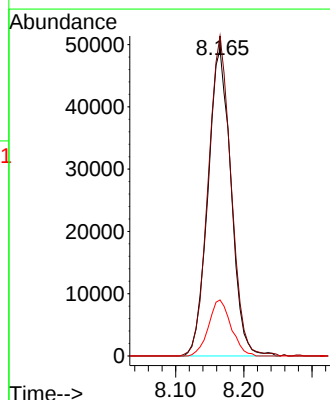
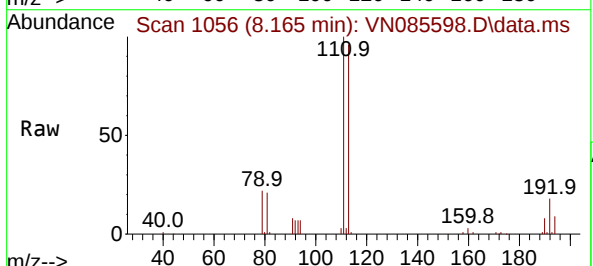
Tgt Ion:113 Resp: 115861

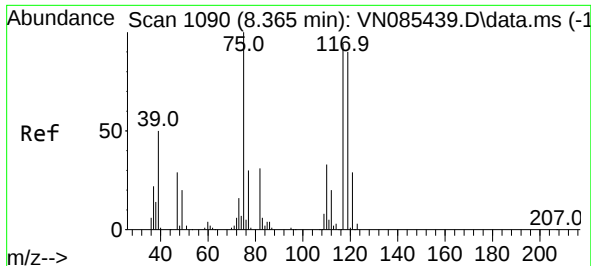
Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

192 17.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.217 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

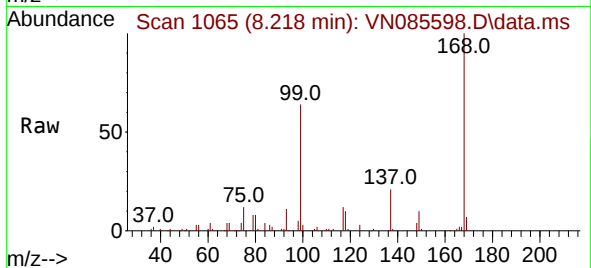
Lab File: VN085598.D

Acq: 31 Jan 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :



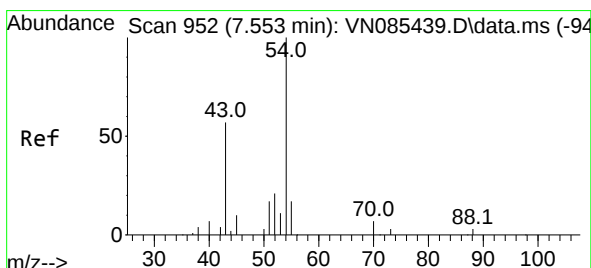
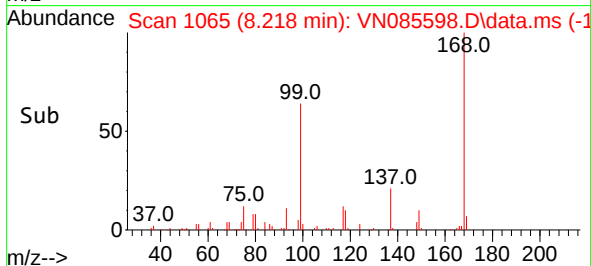
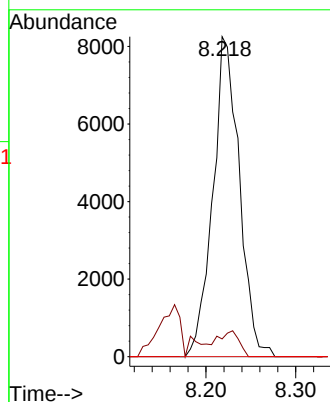
Tgt Ion: 75 Resp: 16881

Ion Ratio Lower Upper

75 100

110 6.2 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.325 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.018 min

Lab File: VN085598.D

Acq: 31 Jan 2025 13:39

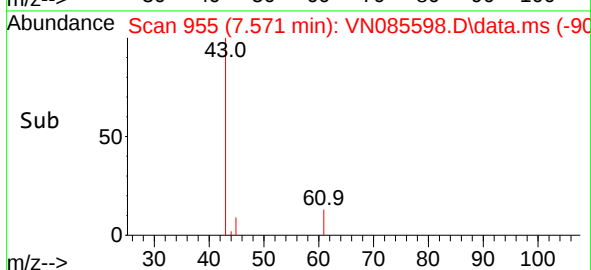
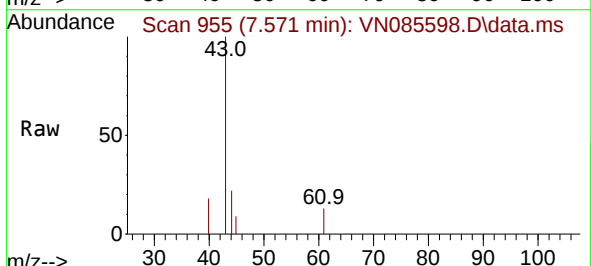
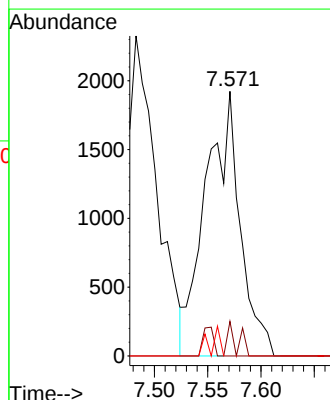
Tgt Ion: 43 Resp: 4329

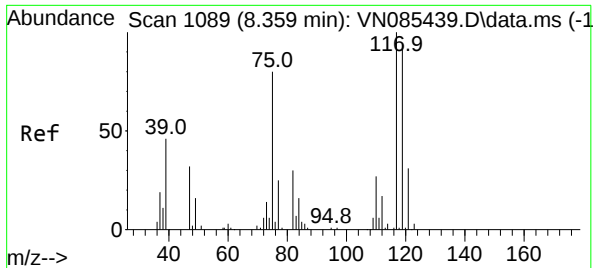
Ion Ratio Lower Upper

43 100

61 3.7 10.9 16.3#

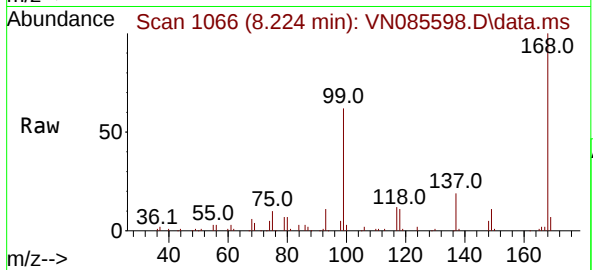
70 0.0 7.5 11.3#



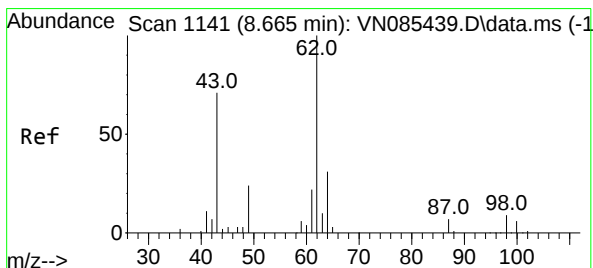
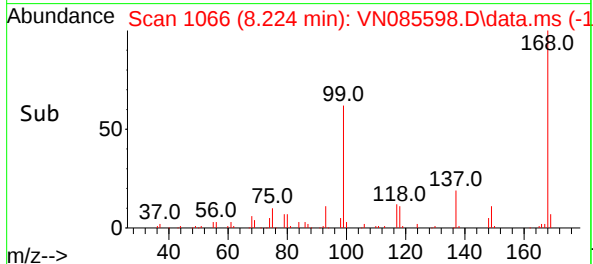
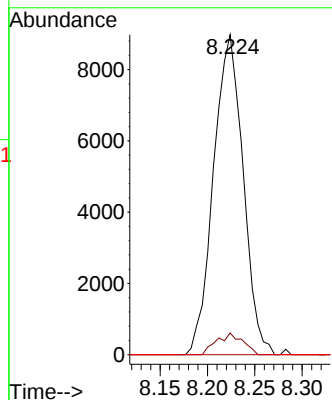


#38
Carbon Tetrachloride
Concen: 5.274 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

Instrument :
MSVOA_N
ClientSampleId :

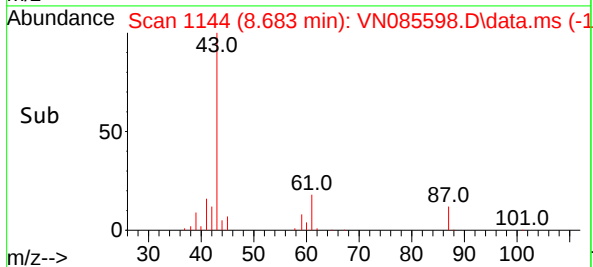
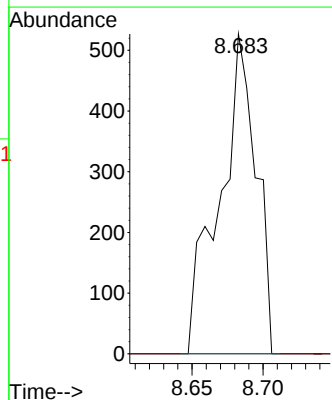
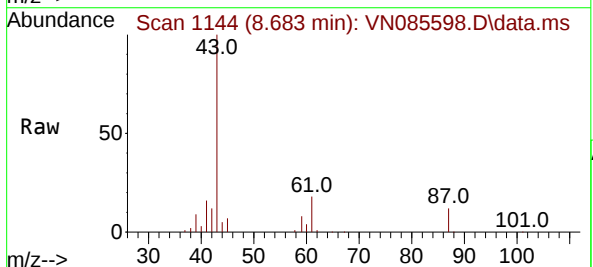


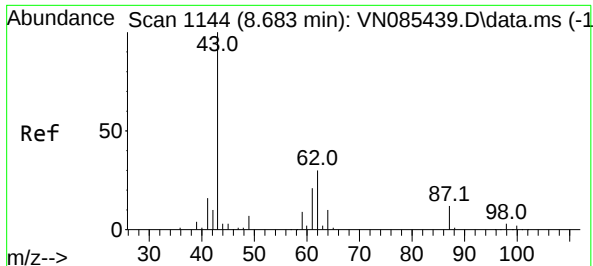
Tgt Ion:117 Resp: 19539
Ion Ratio Lower Upper
117 100
119 6.8 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.258 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.018 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

Tgt Ion: 62 Resp: 946
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0





#43

Isopropyl Acetate

Concen: 30.479 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN085598.D

Acq: 31 Jan 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

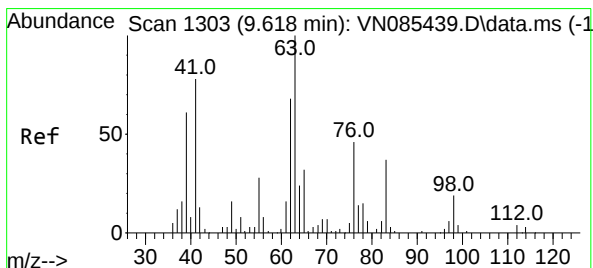
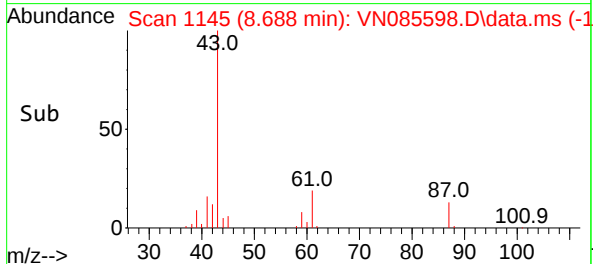
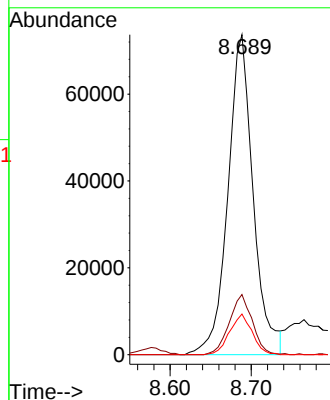
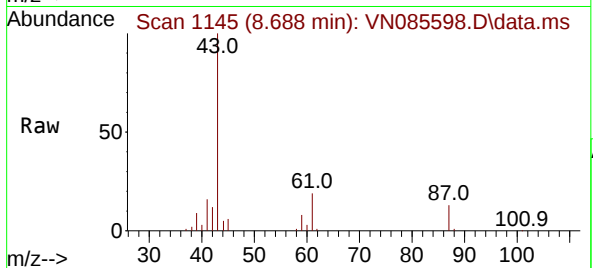
Tgt Ion: 43 Resp: 159520

Ion Ratio Lower Upper

43 100

61 17.1 20.7 31.1#

87 11.3 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.703 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.124 min

Lab File: VN085598.D

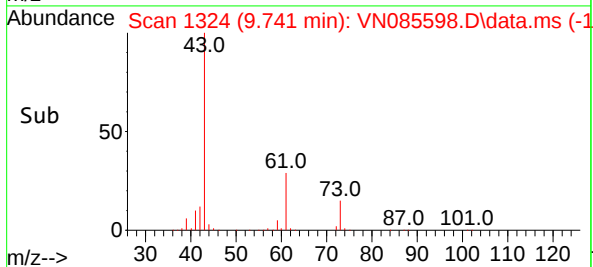
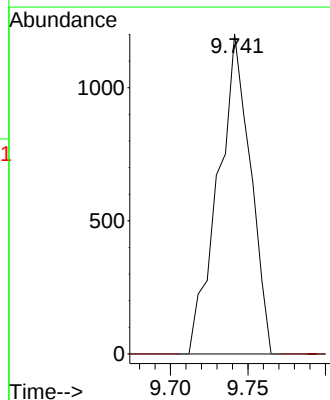
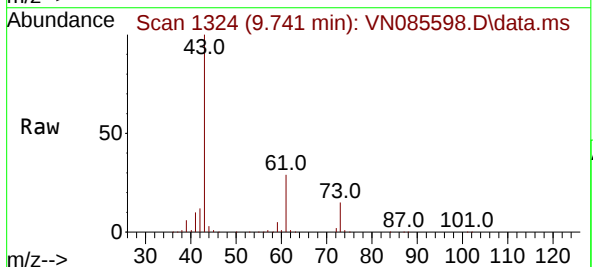
Acq: 31 Jan 2025 13:39

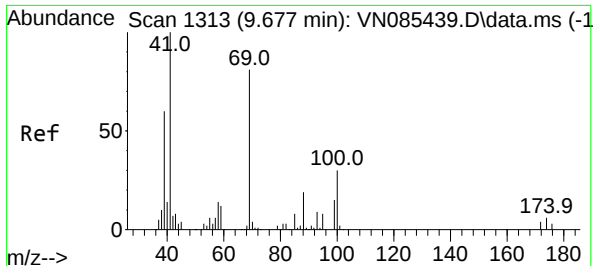
Tgt Ion: 63 Resp: 1745

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 62.387 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.064 min

Lab File: VN085598.D

Acq: 31 Jan 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

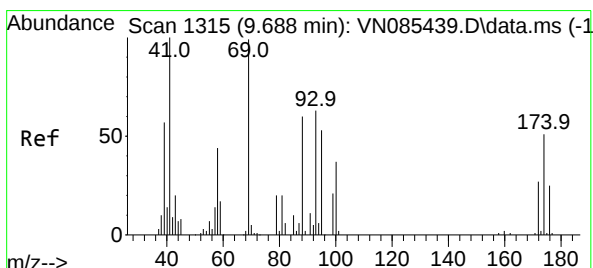
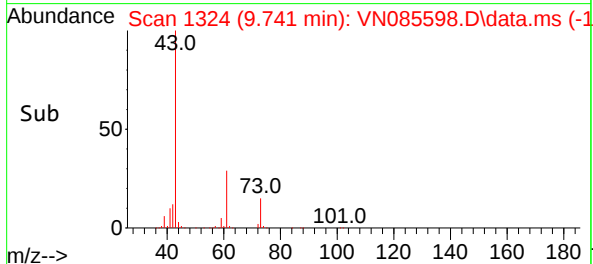
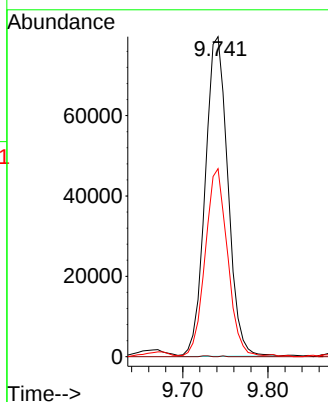
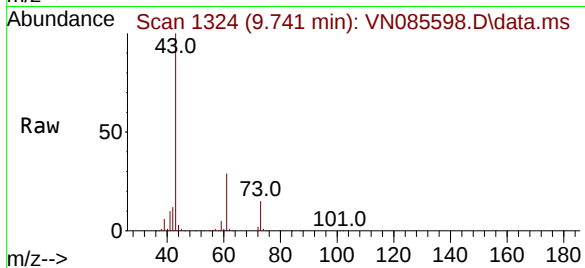
Tgt Ion: 41 Resp: 146938

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 57.4 49.0 73.6



#49

1,4-Dioxane

Concen: 3.051 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.053 min

Lab File: VN085598.D

Acq: 31 Jan 2025 13:39

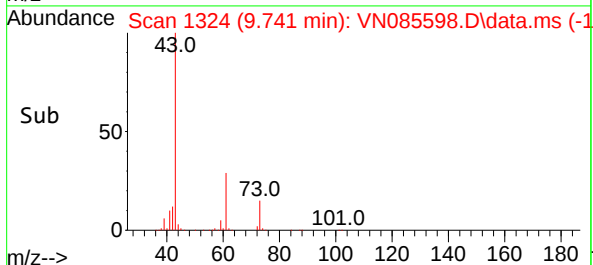
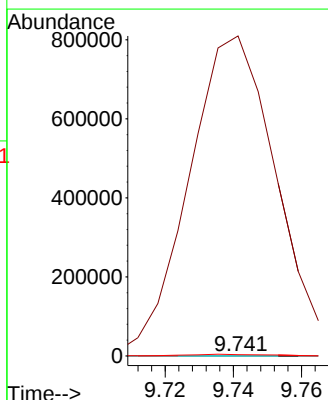
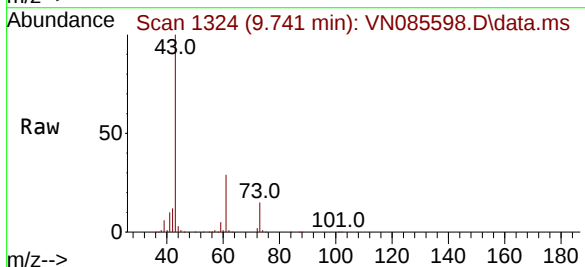
Tgt Ion: 88 Resp: 121

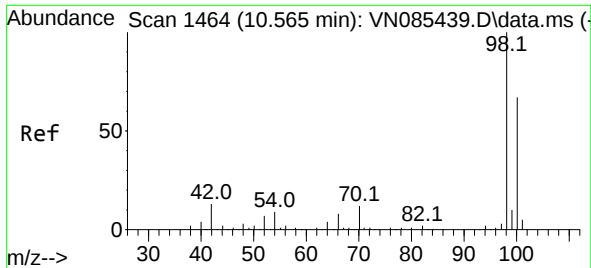
Ion Ratio Lower Upper

88 100

43 1207542.1 26.6 39.8#

58 6467.8 59.5 89.3#

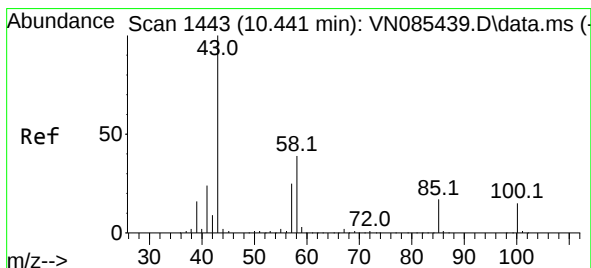
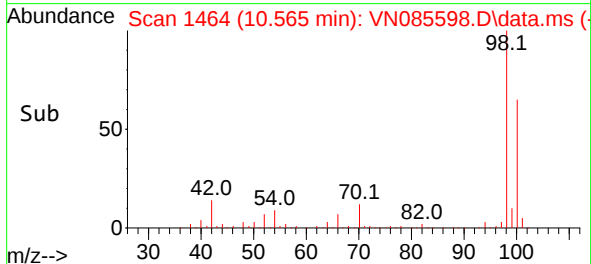
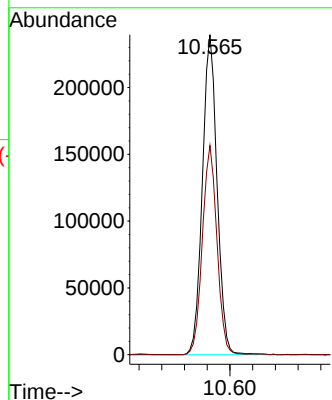
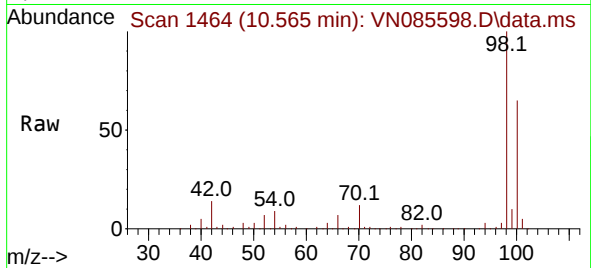




#50
Toluene-d8
Concen: 52.391 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

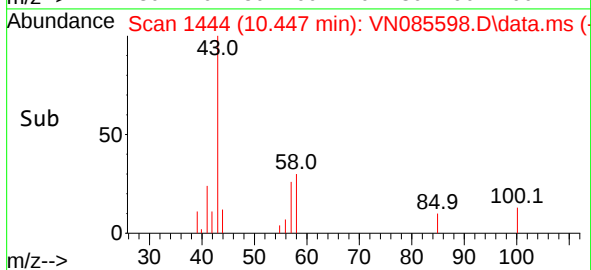
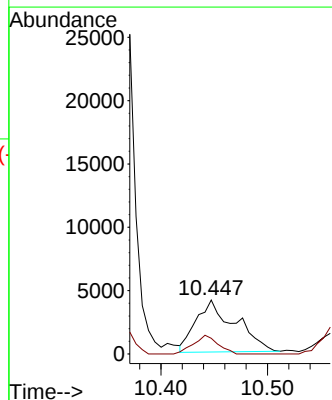
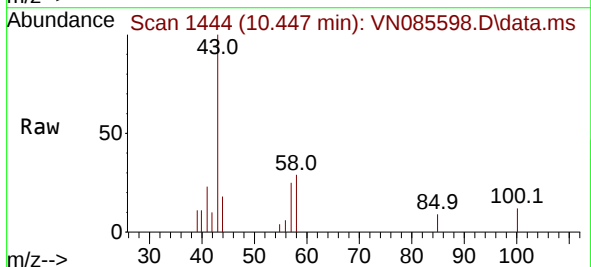
Instrument :
MSVOA_N
ClientSampleId :

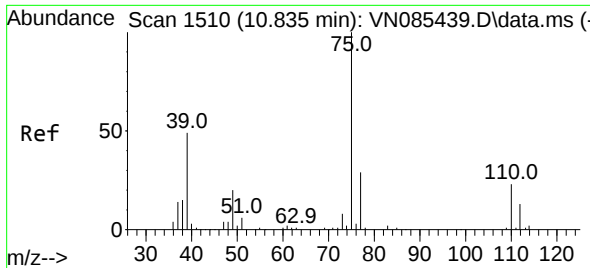
Tgt Ion: 98 Resp: 429186
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.454 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

Tgt Ion: 43 Resp: 10490
Ion Ratio Lower Upper
43 100
58 22.4 30.5 45.7#

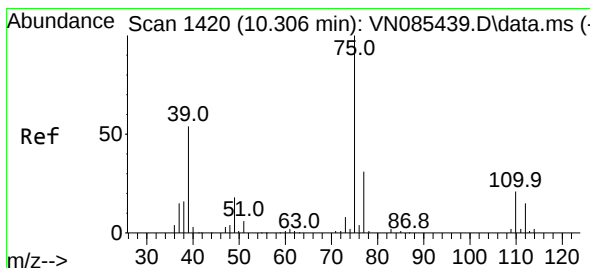
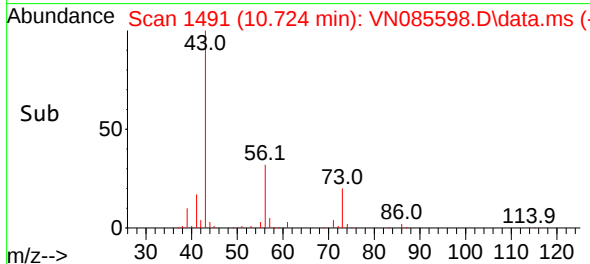
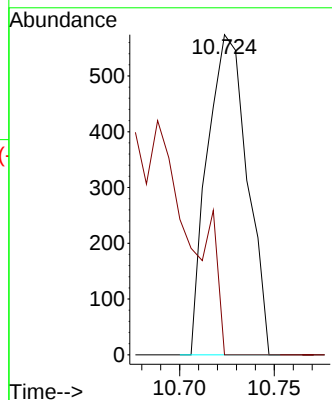
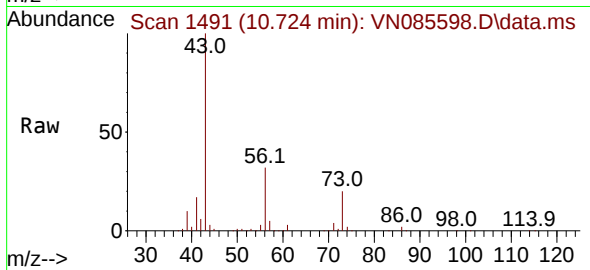




#53
t-1,3-Dichloropropene
Concen: 0.244 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

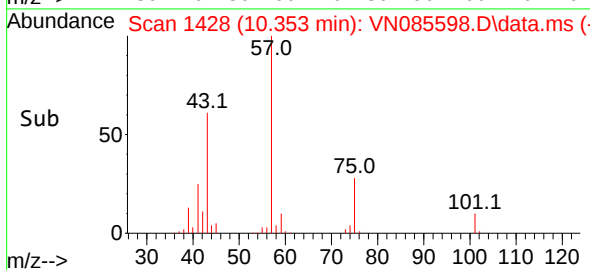
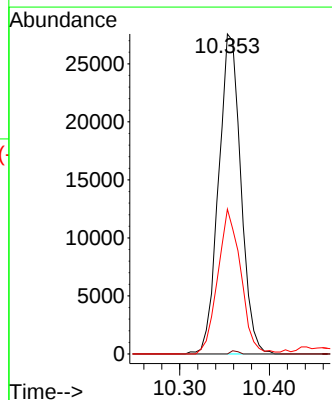
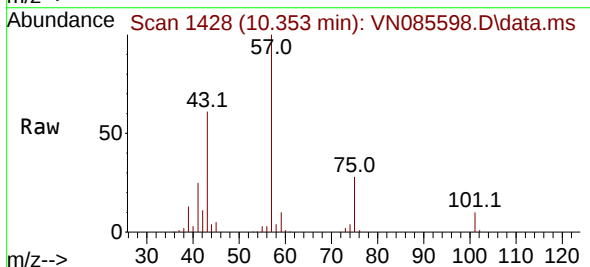
Instrument :
MSVOA_N
ClientSampleId :

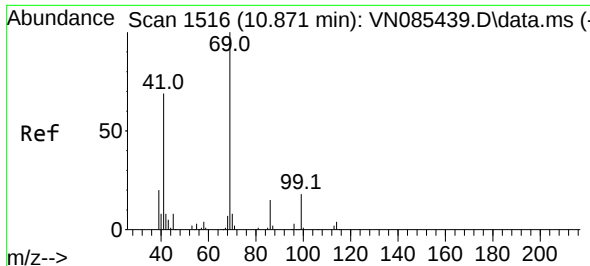
Tgt Ion: 75 Resp: 842
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#



#54
cis-1,3-Dichloropropene
Concen: 12.883 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

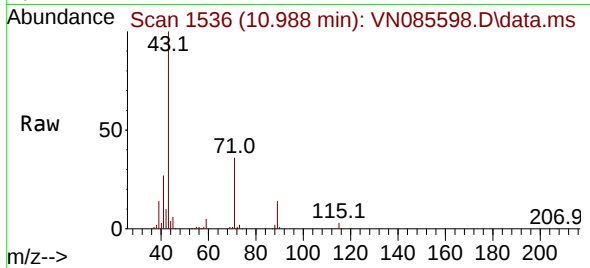
Tgt Ion: 75 Resp: 47479
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 45.2 43.1 64.7



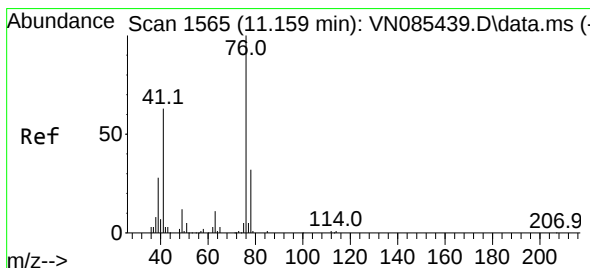
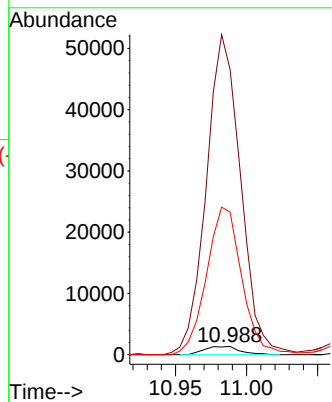
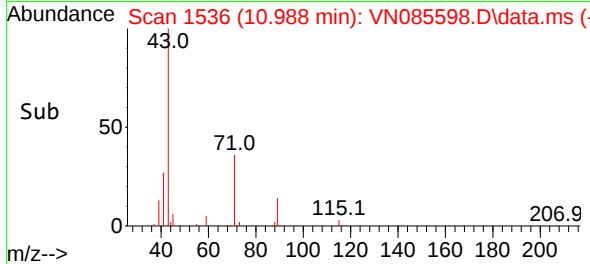


#56
Ethyl methacrylate
Concen: 2.526 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

Instrument :
MSVOA_N
ClientSampleId :

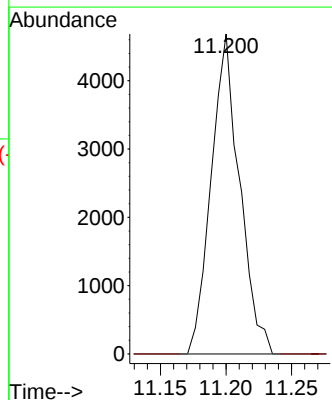
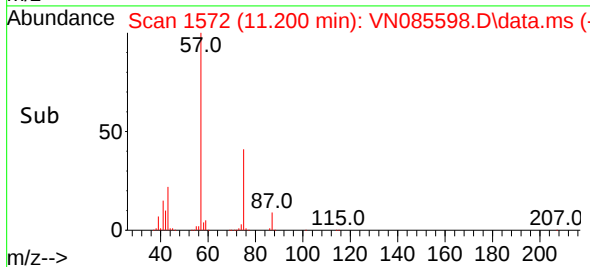
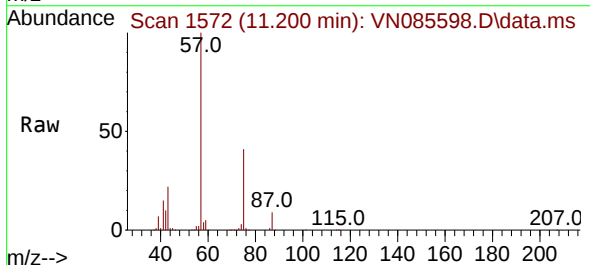


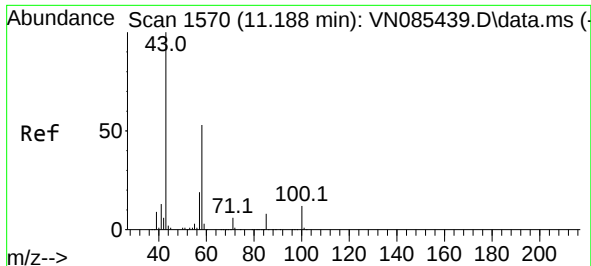
Tgt Ion: 69 Resp: 2326
Ion Ratio Lower Upper
69 100
41 3777.5 54.6 82.0#
39 1791.8 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.821 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

Tgt Ion: 76 Resp: 7061
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

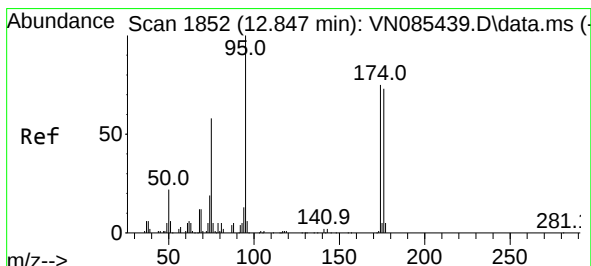
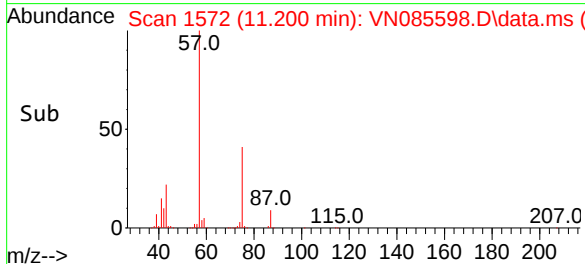
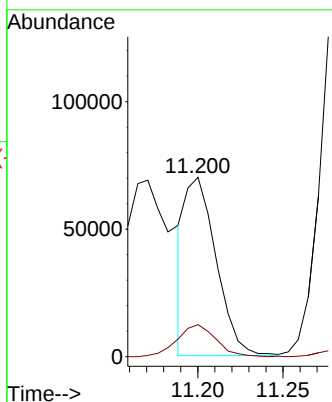
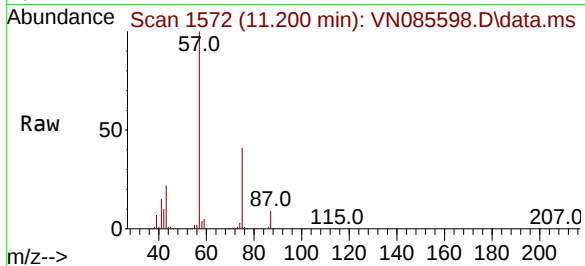




#59
2-Hexanone
Concen: 41.547 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

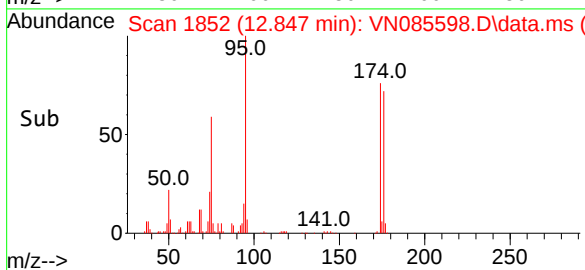
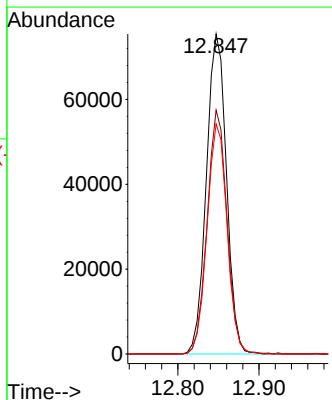
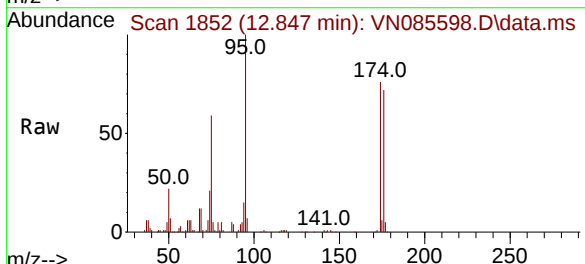
Instrument :
MSVOA_N
ClientSampleId :

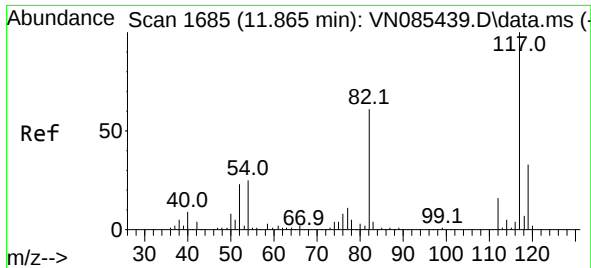
Tgt Ion: 43 Resp: 88783
Ion Ratio Lower Upper
43 100
58 22.3 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 46.181 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

Tgt Ion: 95 Resp: 129413
Ion Ratio Lower Upper
95 100
174 75.2 0.0 145.0
176 71.5 0.0 142.4

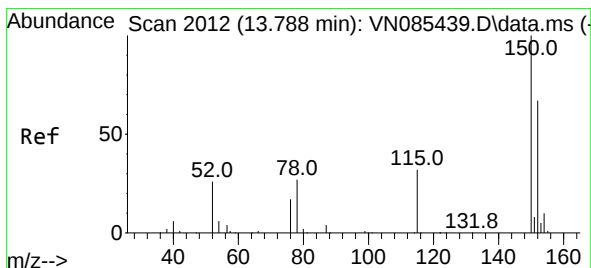
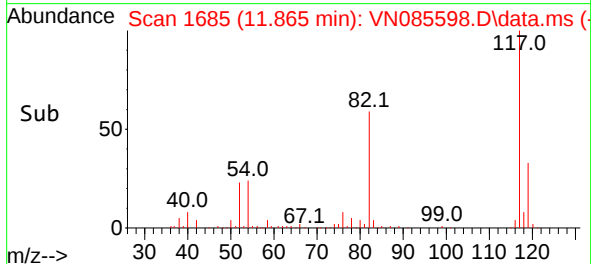
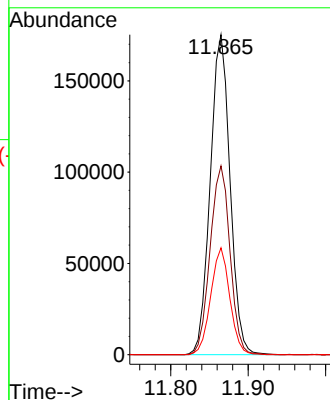
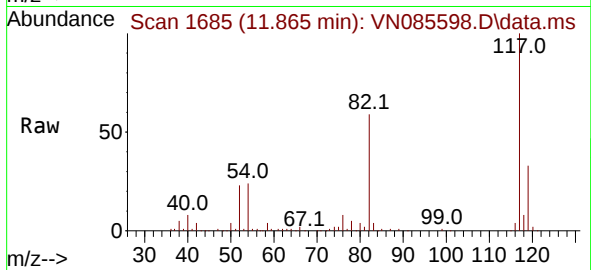




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

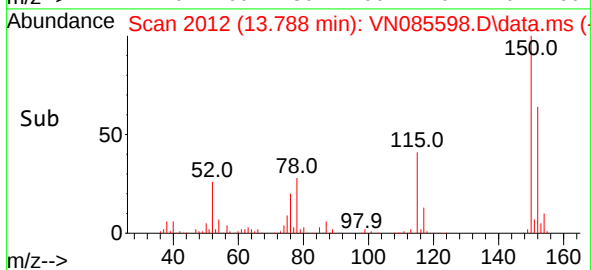
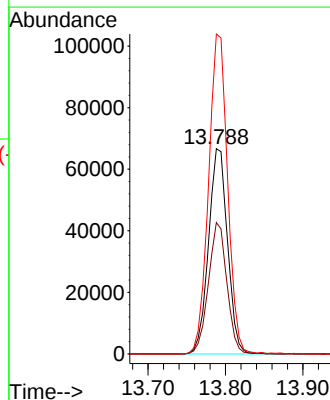
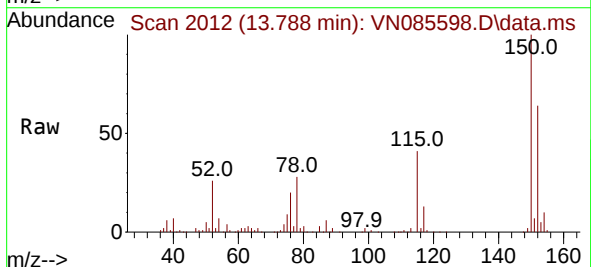
Instrument :
MSVOA_N
ClientSampleId :

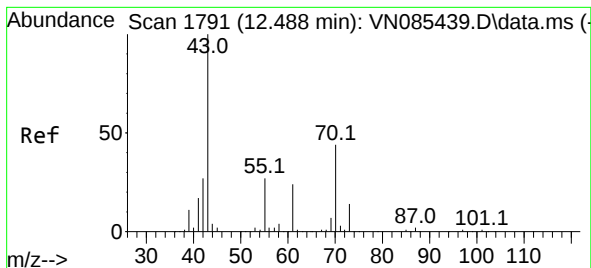
Tgt Ion:117 Resp: 311772
Ion Ratio Lower Upper
117 100
82 59.0 48.6 72.8
119 33.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085598.D
Acq: 31 Jan 2025 13:39

Tgt Ion:152 Resp: 113655
Ion Ratio Lower Upper
152 100
115 62.2 31.1 93.3
150 155.8 0.0 343.6





#74

N-amy1 acetate

Concen: 0.354 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.006 min

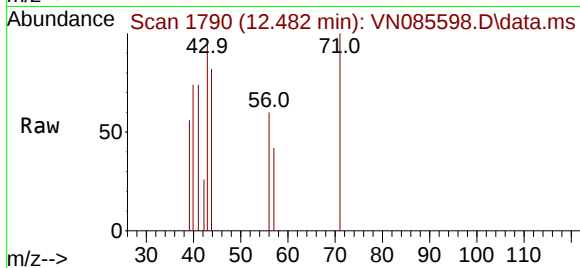
Lab File: VN085598.D

Acq: 31 Jan 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1220

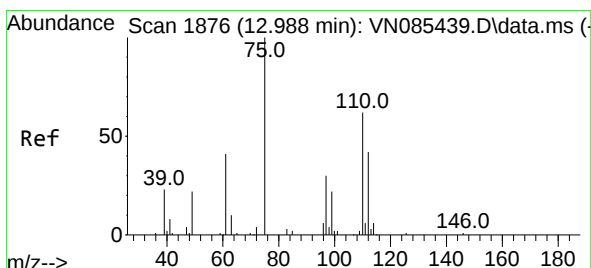
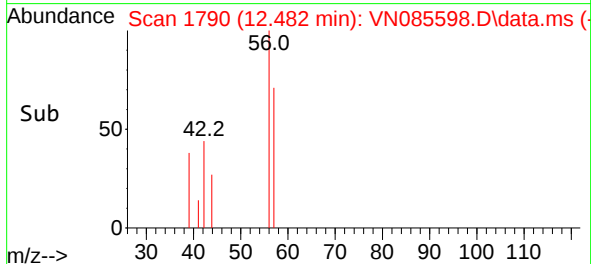
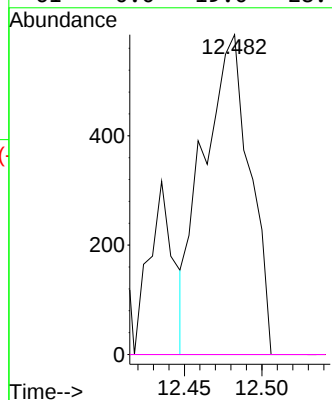
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 21.4 32.2#

61 0.0 19.0 28.4#



#76

1,2,3-Trichloropropane

Concen: 31.514 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085598.D

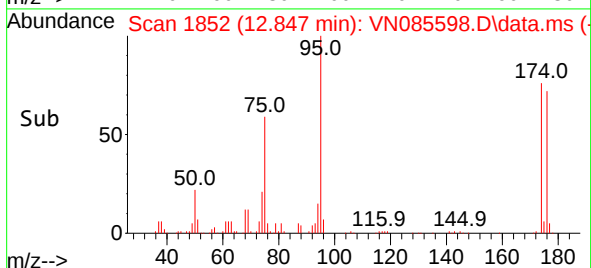
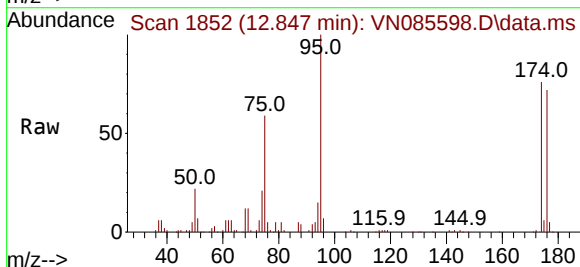
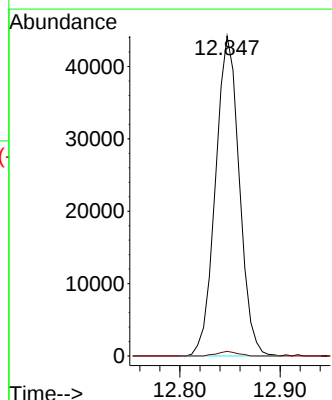
Acq: 31 Jan 2025 13:39

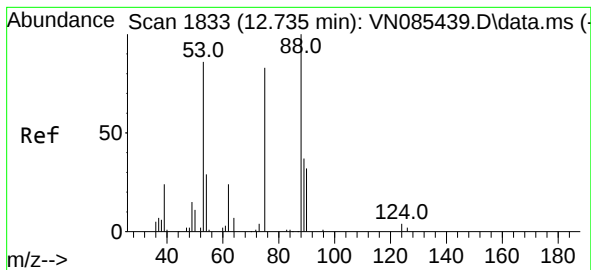
Tgt Ion: 75 Resp: 72799

Ion Ratio Lower Upper

75 100

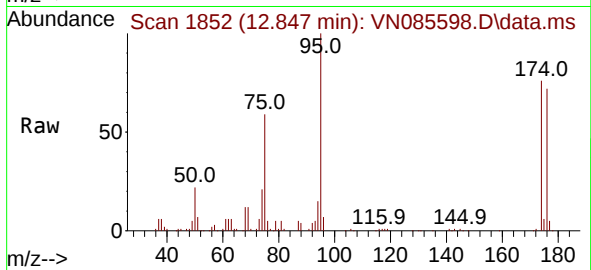
77 1.2 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.263 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085598.D
 Acq: 31 Jan 2025 13:39

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 72799
 Ion Ratio Lower Upper
 75 100
 53 0.4 95.6 143.4#
 89 0.0 37.0 55.6#

