

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085570.D
 Acq On : 29 Jan 2025 20:19
 Operator : JC\MD
 Sample : PB166319ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:42:25 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

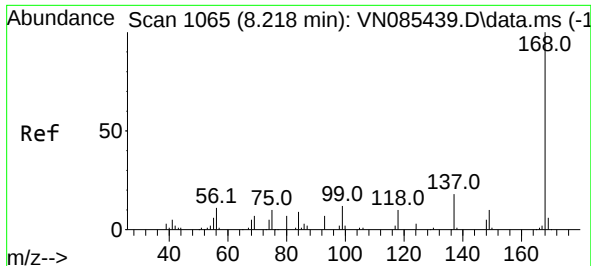
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	167177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	336311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	318942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159950	59.272	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.540%			
35) Dibromofluoromethane	8.165	113	118527	50.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	10.565	98	439088	52.968	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.940%			
62) 4-Bromofluorobenzene	12.847	95	127448	44.944	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.880%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	35372	40.567	ug/l	100
18) Methyl Acetate	5.041	43	3166	1.194	ug/l #	60
20) Methylene Chloride	5.283	84	2201	1.020	ug/l #	79
25) 2-Butanone	7.494	43	4845	3.776	ug/l	99
29) Tetrahydrofuran	7.847	42	465	0.572	ug/l #	45
30) Chloroform	7.965	83	6555	1.610	ug/l	95
31) Cyclohexane	8.224	56	5005	1.461	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	16278	4.971	ug/l #	51
37) Ethyl Acetate	7.565	43	4066	1.230	ug/l #	76
38) Carbon Tetrachloride	8.224	117	19034	5.077	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1098	0.296	ug/l #	76
43) Isopropyl Acetate	8.688	43	226342	42.738	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1921	0.764	ug/l #	43
48) Methyl methacrylate	9.741	41	152437	63.959	ug/l #	46
49) 1,4-Dioxane	9.741	88	82	2.043	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	5642	1.836	ug/l	93
53) t-1,3-Dichloropropene	10.729	75	893	0.256	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	46724	12.529	ug/l #	70
56) Ethyl methacrylate	10.988	69	2402	2.539	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6937	1.768	ug/l #	43
59) 2-Hexanone	11.200	43	91997	42.543	ug/l #	57
71) Bromoform	12.847	173	1050	0.572	ug/l #	1
74) N-amyl acetate	12.488	43	1991	0.586	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	73341	32.211	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73341	87.148	ug/l #	3

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

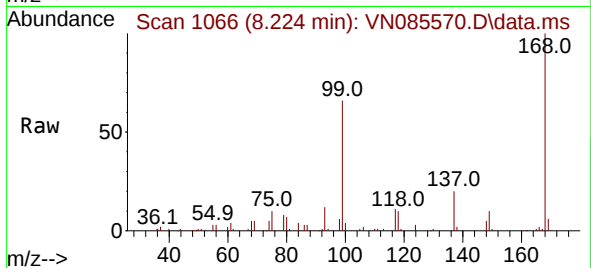
Quant Time: Jan 30 00:42:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
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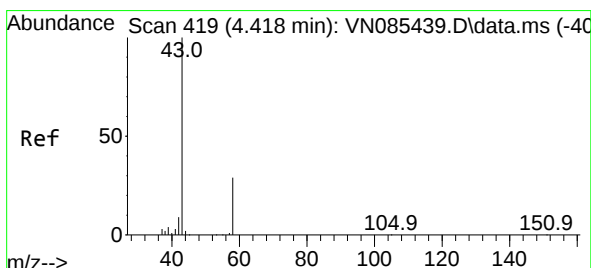
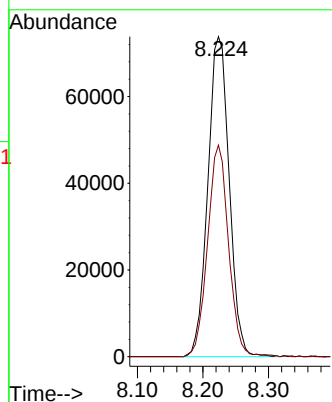
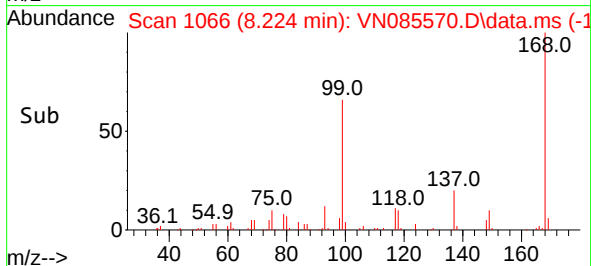


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085570.D
Acq: 29 Jan 2025 20:19

Instrument :
MSVOA_N
ClientSampleId :

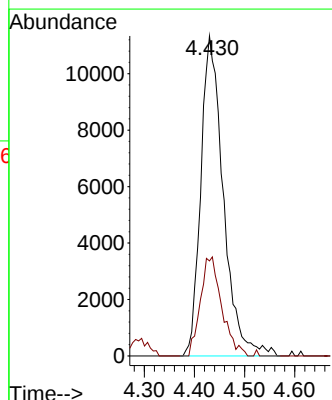
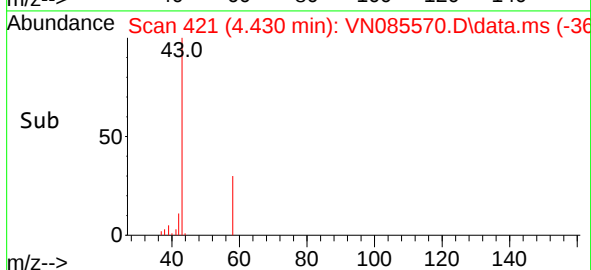
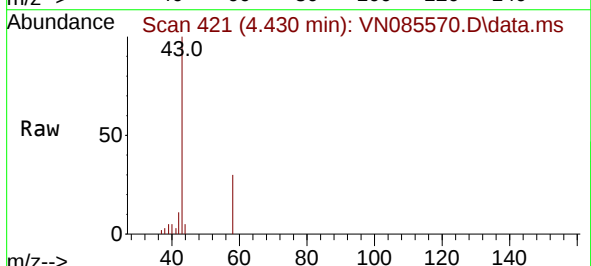


Tgt Ion:168 Resp: 167177
Ion Ratio Lower Upper
168 100
99 66.1 53.6 80.4



#16
Acetone
Concen: 40.567 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085570.D
Acq: 29 Jan 2025 20:19

Tgt Ion: 43 Resp: 35372
Ion Ratio Lower Upper
43 100
58 29.7 23.8 35.6

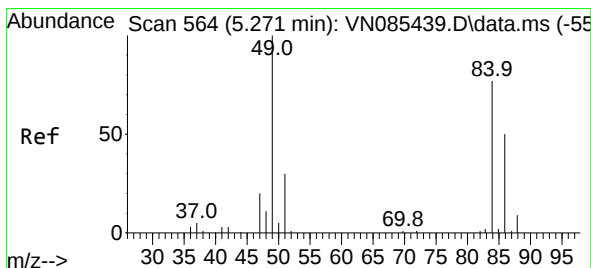
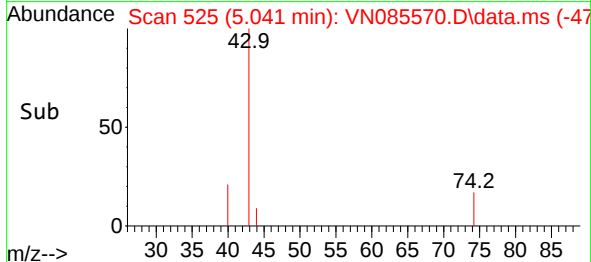
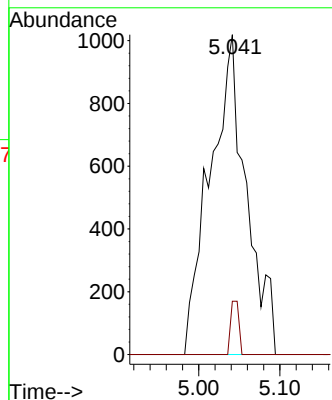
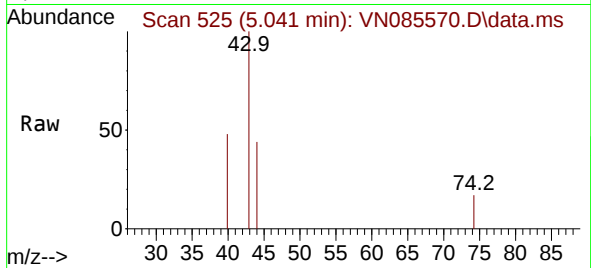




#18
Methyl Acetate
Concen: 1.194 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN085570.D
Acq: 29 Jan 2025 20:19

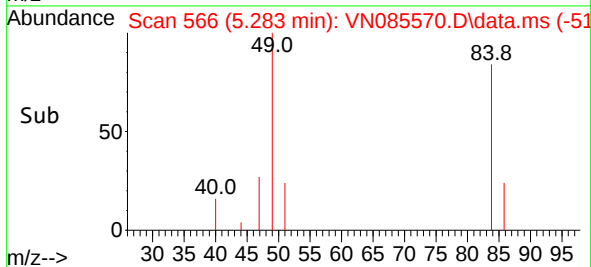
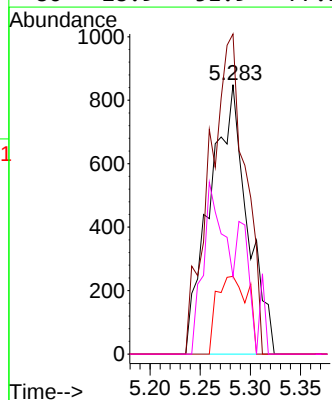
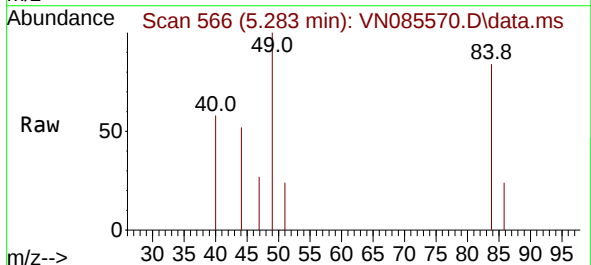
Instrument :
MSVOA_N
ClientSampleId :

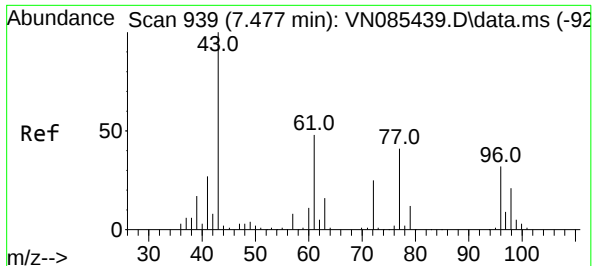
Tgt Ion: 43 Resp: 3166
Ion Ratio Lower Upper
43 100
74 3.8 18.6 28.0#



#20
Methylene Chloride
Concen: 1.020 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN085570.D
Acq: 29 Jan 2025 20:19

Tgt Ion: 84 Resp: 2201
Ion Ratio Lower Upper
84 100
49 118.8 104.1 156.1
51 28.9 31.0 46.4#
86 28.9 51.9 77.9#





#25

2-Butanone

Concen: 3.776 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.018 min

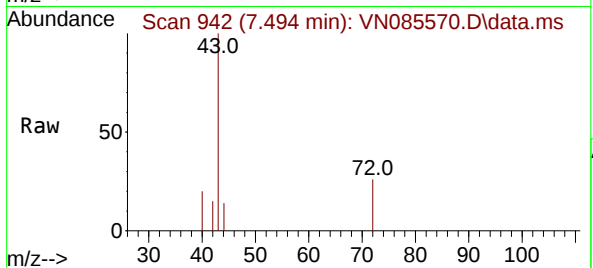
Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

Instrument :

MSVOA_N

ClientSampleId :

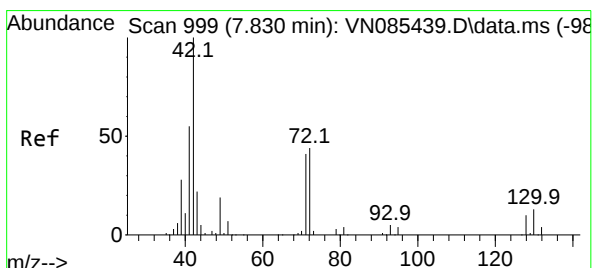
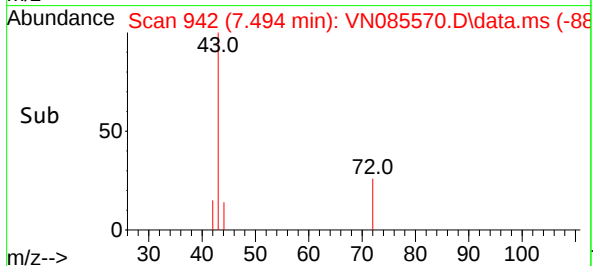
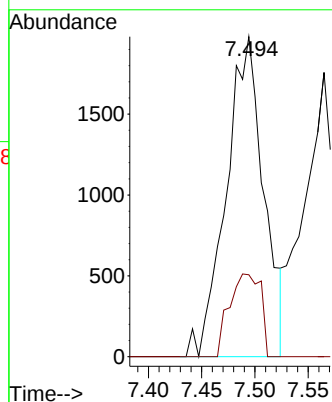


Tgt Ion: 43 Resp: 4845

Ion Ratio Lower Upper

43 100

72 25.6 20.2 30.4



#29

Tetrahydrofuran

Concen: 0.572 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.018 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

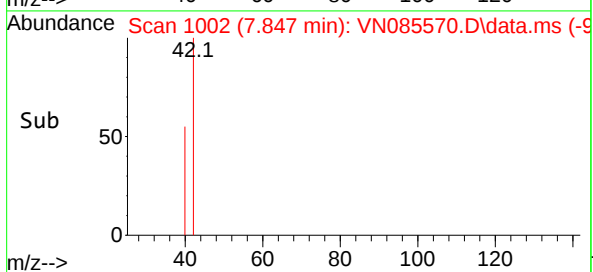
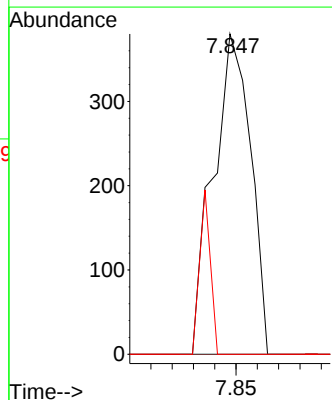
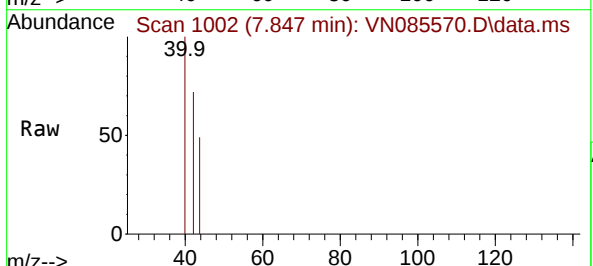
Tgt Ion: 42 Resp: 465

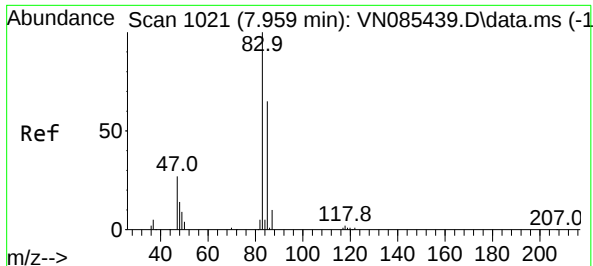
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

71 14.8 32.5 48.7#





#30

Chloroform

Concen: 1.610 ug/l

RT: 7.965 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

Instrument :

MSVOA_N

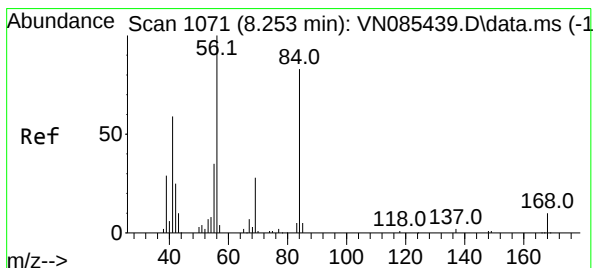
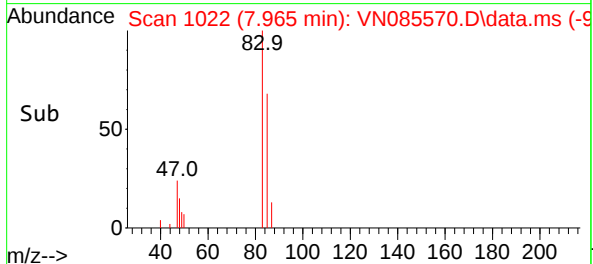
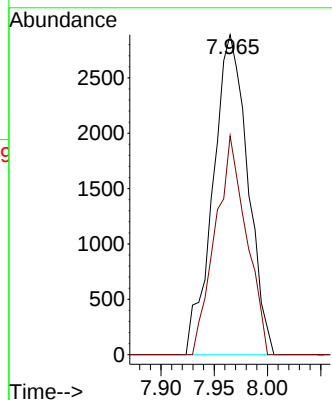
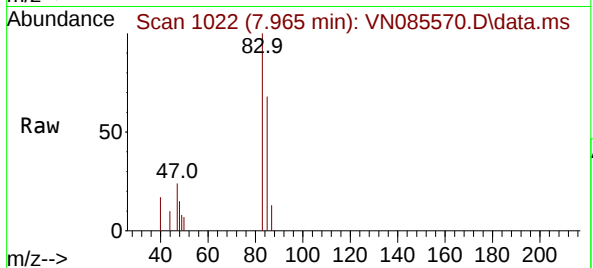
ClientSampleId :

Tgt Ion: 83 Resp: 6555

Ion Ratio Lower Upper

83 100

85 68.4 51.8 77.6



#31

Cyclohexane

Concen: 1.461 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

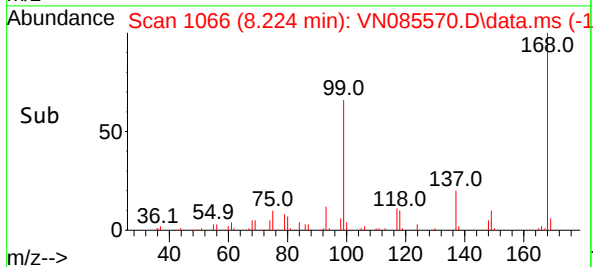
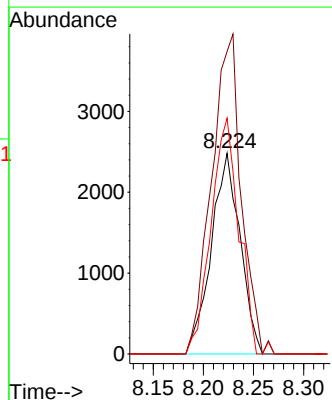
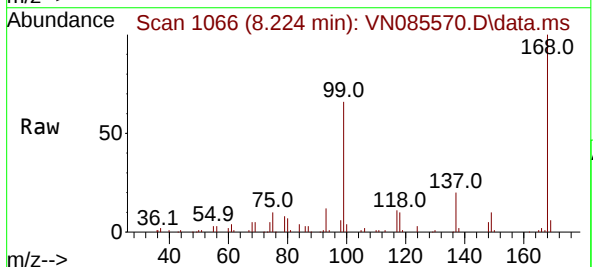
Tgt Ion: 56 Resp: 5005

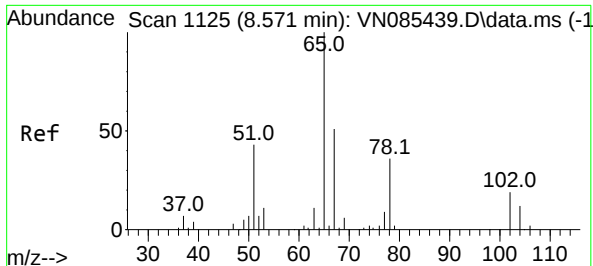
Ion Ratio Lower Upper

56 100

69 150.7 22.2 33.4#

84 117.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 59.272 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

Instrument :

MSVOA_N

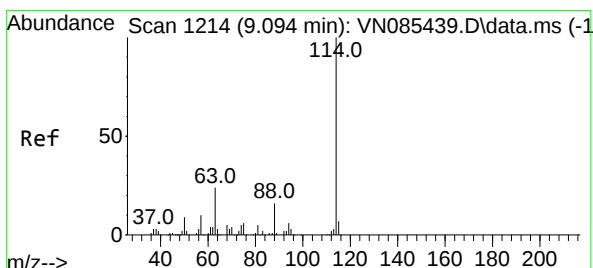
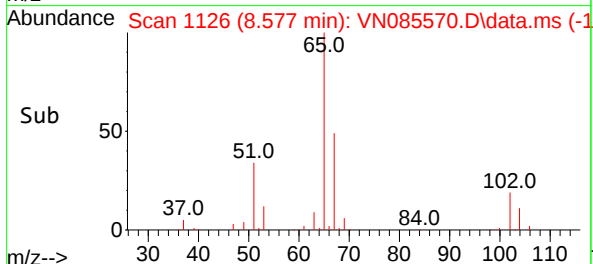
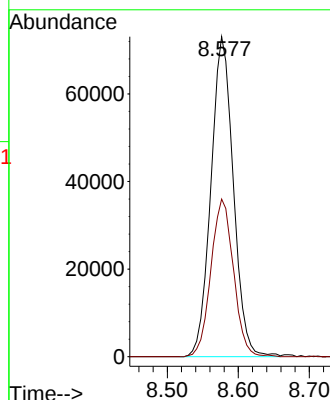
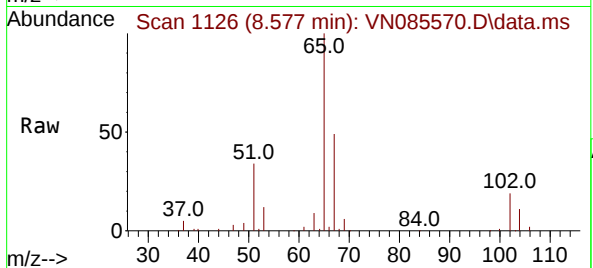
ClientSampleId :

Tgt Ion: 65 Resp: 159950

Ion Ratio Lower Upper

65 100

67 49.6 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: VN085570.D

Acq: 29 Jan 2025 20:19

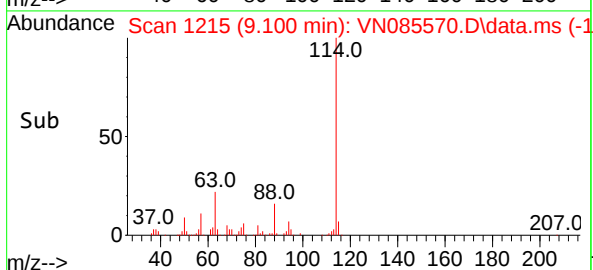
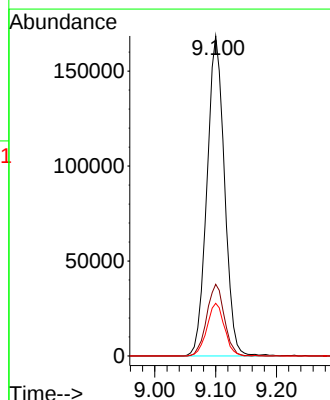
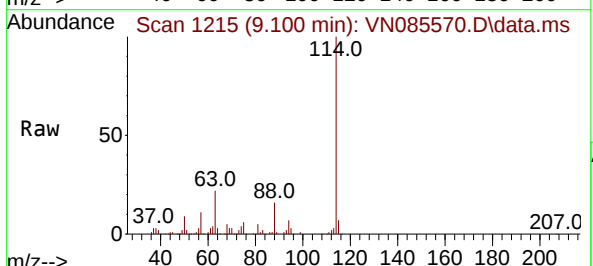
Tgt Ion: 114 Resp: 336311

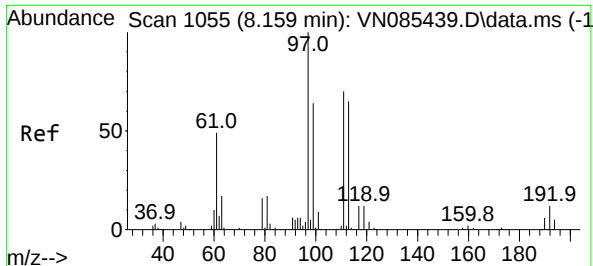
Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.6

88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.801 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

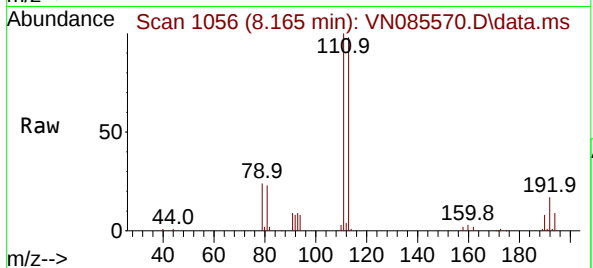
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Acq: 29 Jan 2025 20:19

Instrument :

MSVOA_N

ClientSampleId :



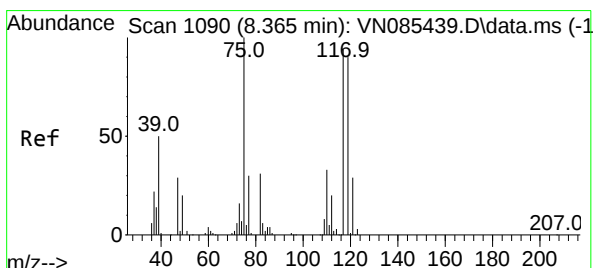
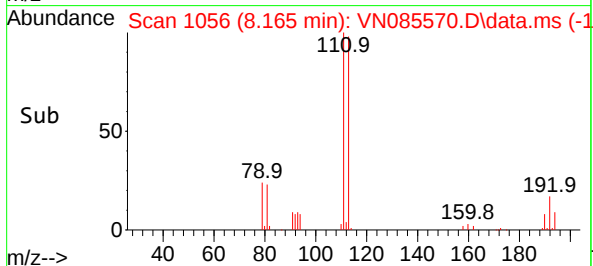
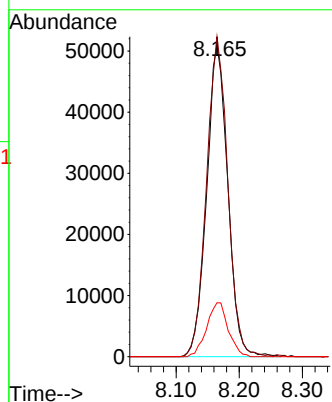
Tgt Ion:113 Resp: 118527

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

192 17.6 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.971 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

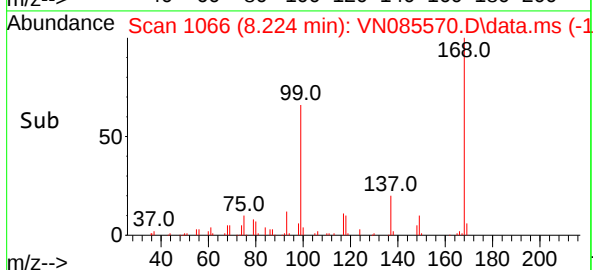
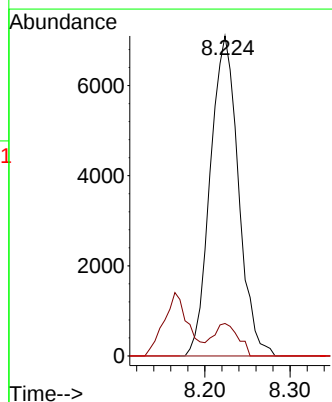
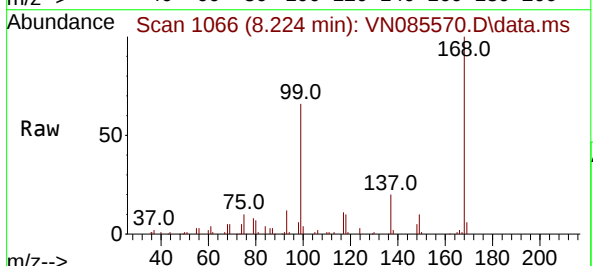
Tgt Ion: 75 Resp: 16278

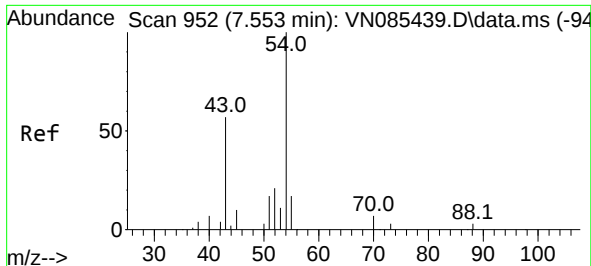
Ion Ratio Lower Upper

75 100

110 8.9 16.5 49.5#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.230 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.012 min

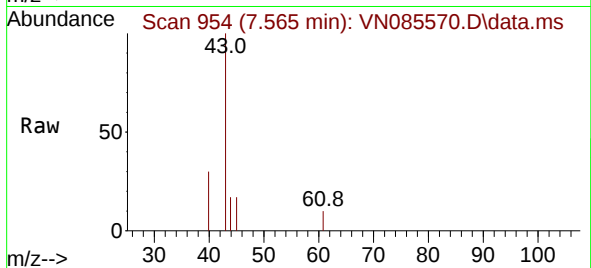
Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

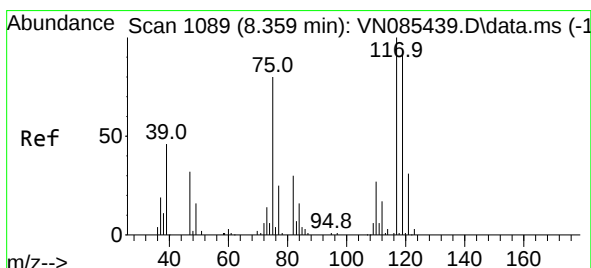
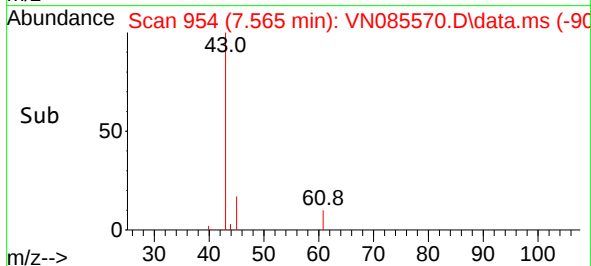
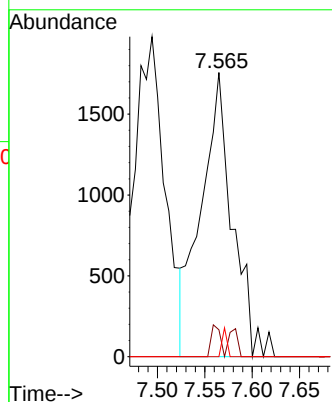
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4066
Ion	Ratio	Lower	Upper
43	100		
61	3.1	10.9	16.3#
70	1.5	7.5	11.3#



#38

Carbon Tetrachloride

Concen: 5.077 ug/l

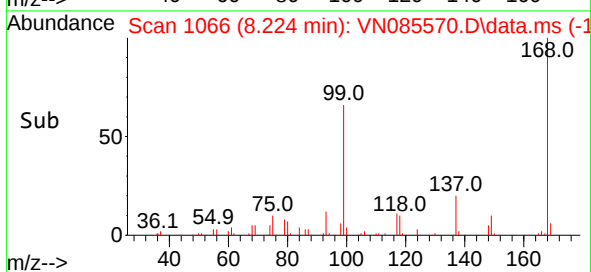
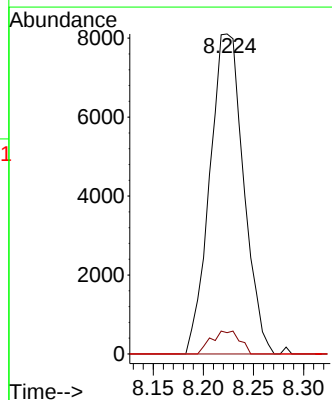
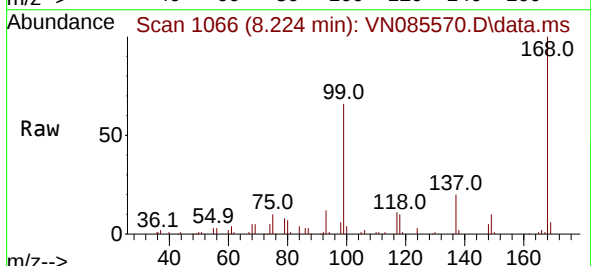
RT: 8.224 min Scan# 1066

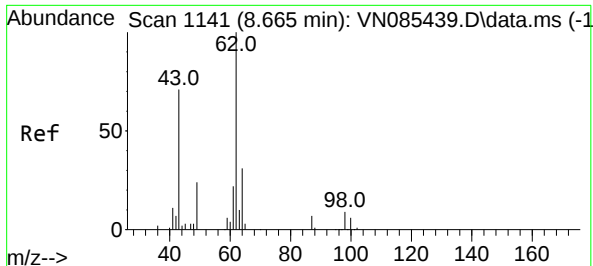
Delta R.T. -0.135 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

Tgt Ion:	117	Resp:	19034
Ion	Ratio	Lower	Upper
117	100		
119	6.7	75.4	113.2#
121	0.0	24.6	37.0#





#42

1,2-Dichloroethane

Concen: 0.296 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.023 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

Instrument :

MSVOA_N

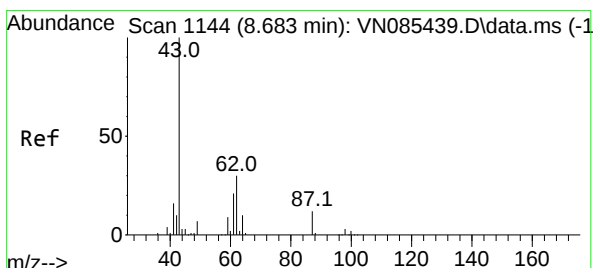
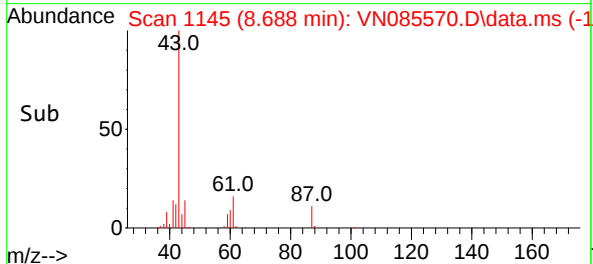
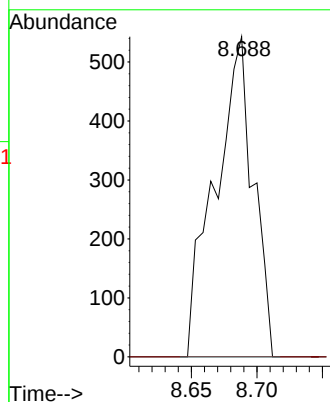
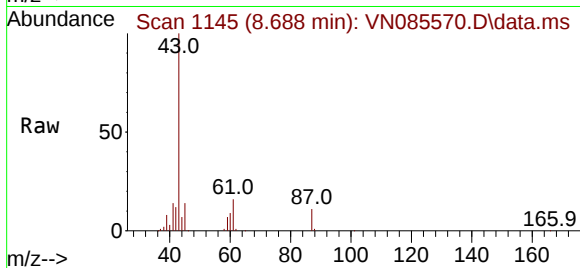
ClientSampleId :

Tgt Ion: 62 Resp: 1098

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 42.738 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

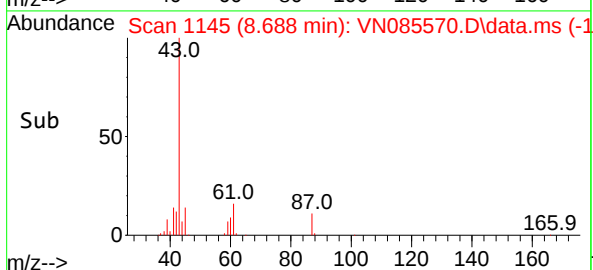
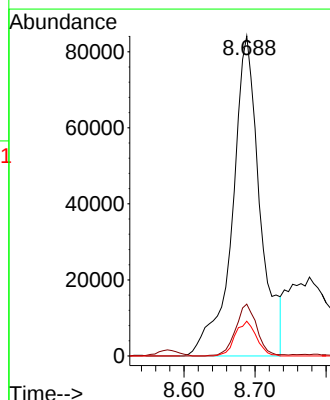
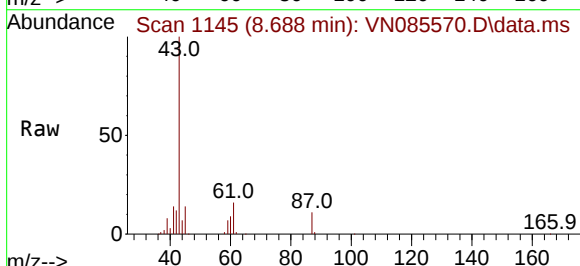
Tgt Ion: 43 Resp: 226342

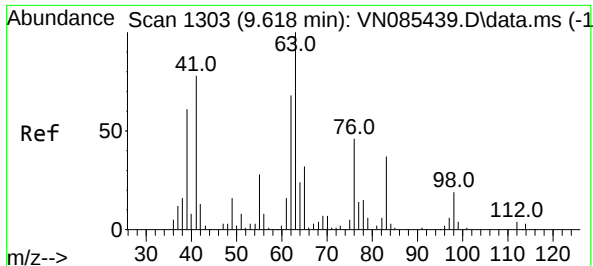
Ion Ratio Lower Upper

43 100

61 12.6 20.7 31.1#

87 8.4 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 0.764 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

Instrument :

MSVOA_N

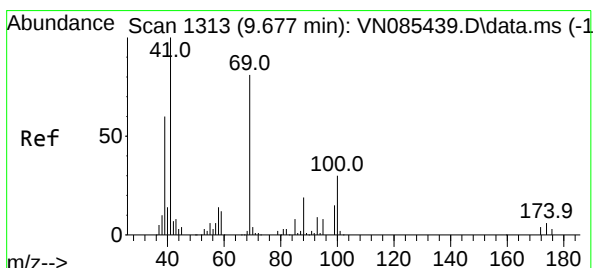
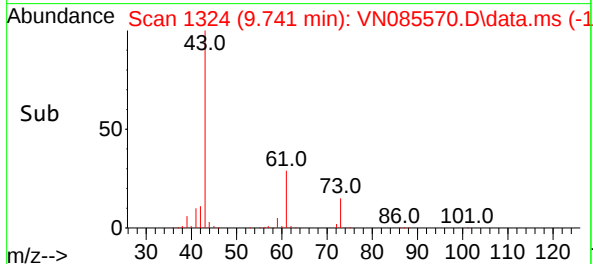
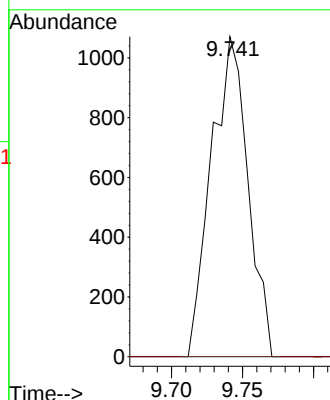
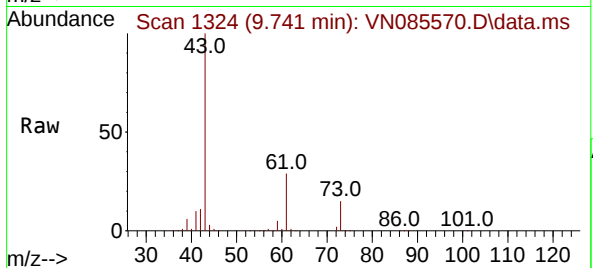
ClientSampleId :

Tgt Ion: 63 Resp: 1921

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 63.959 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

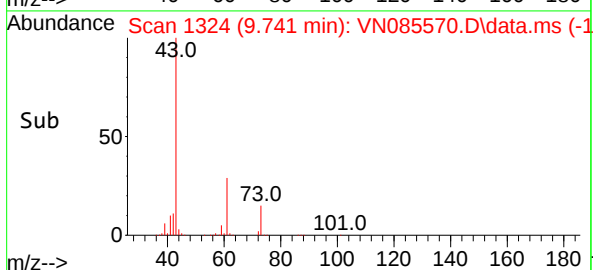
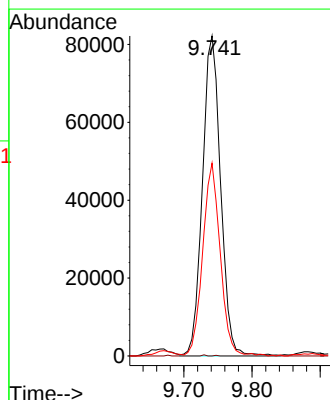
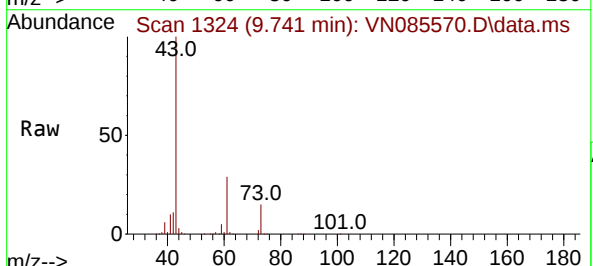
Tgt Ion: 41 Resp: 152437

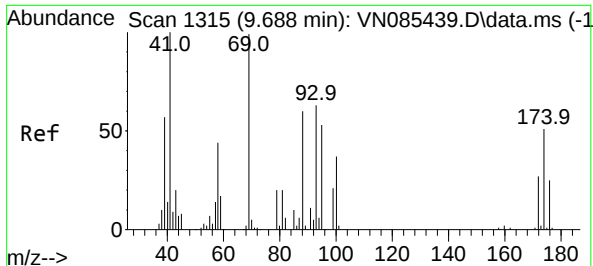
Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 58.3 49.0 73.6





#49

1,4-Dioxane

Concen: 2.043 ug/l

RT: 9.741 min Scan# 1315

Delta R.T. 0.053 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

Instrument :

MSVOA_N

ClientSampleId :

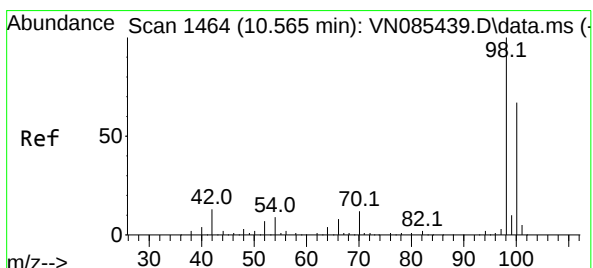
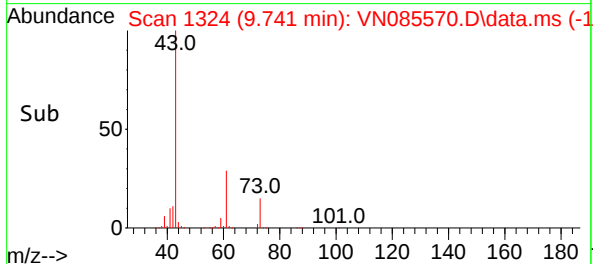
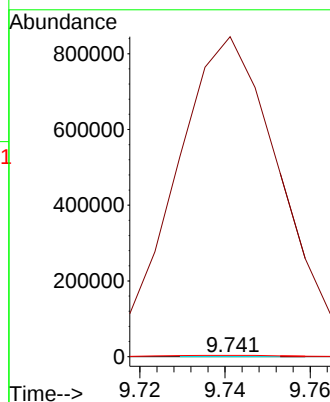
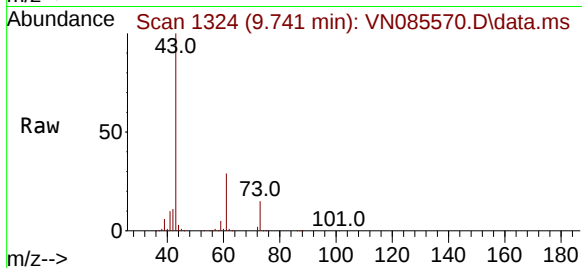
Tgt Ion: 88 Resp: 82

Ion Ratio Lower Upper

88 100

43 1817280.5 26.6 39.8#

58 9641.5 59.5 89.3#



#50

Toluene-d8

Concen: 52.968 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085570.D

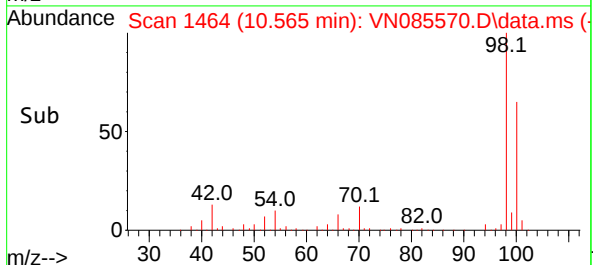
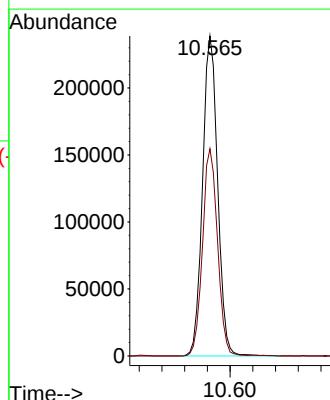
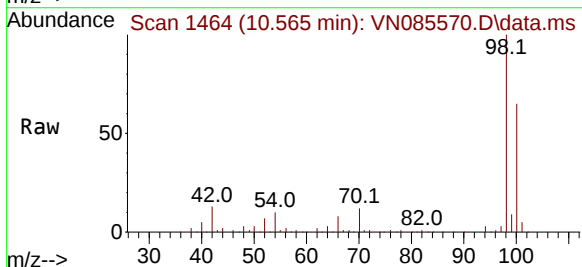
Acq: 29 Jan 2025 20:19

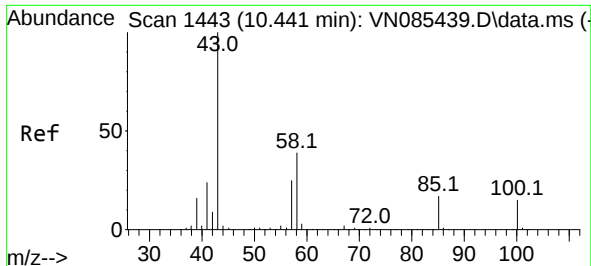
Tgt Ion: 98 Resp: 439088

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 1.836 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

Instrument :

MSVOA_N

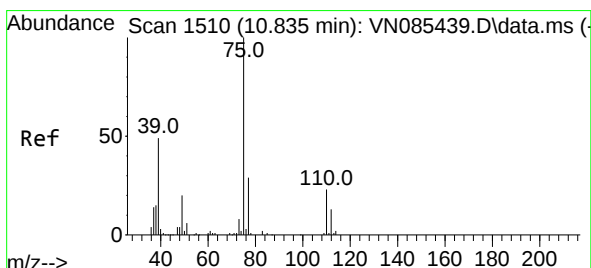
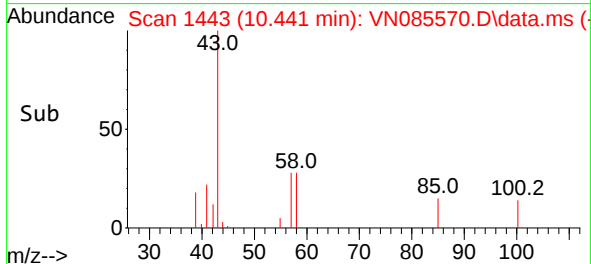
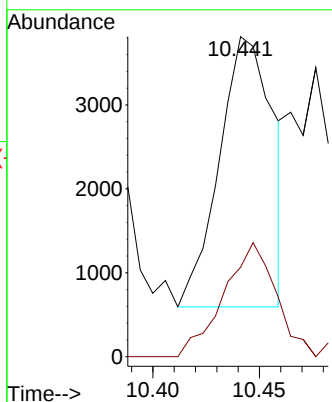
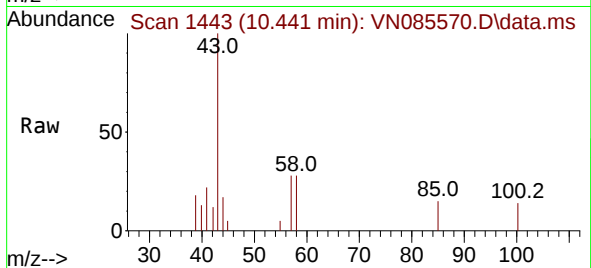
ClientSampleId :

Tgt Ion: 43 Resp: 5642

Ion Ratio Lower Upper

43 100

58 42.0 30.5 45.7



#53

t-1,3-Dichloropropene

Concen: 0.256 ug/l

RT: 10.729 min Scan# 1492

Delta R.T. -0.106 min

Lab File: VN085570.D

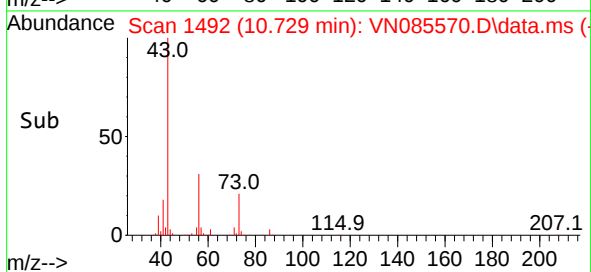
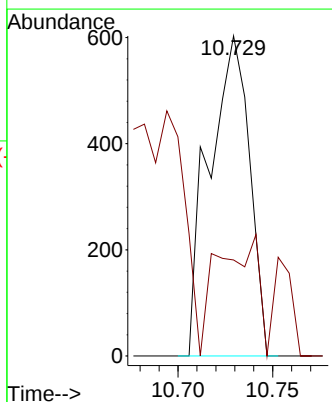
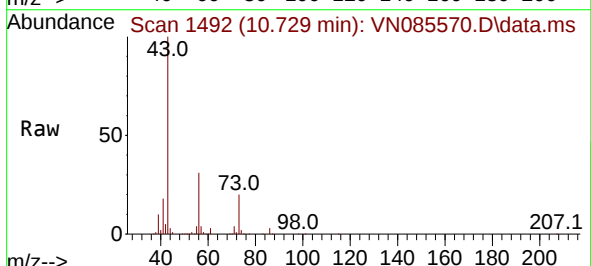
Acq: 29 Jan 2025 20:19

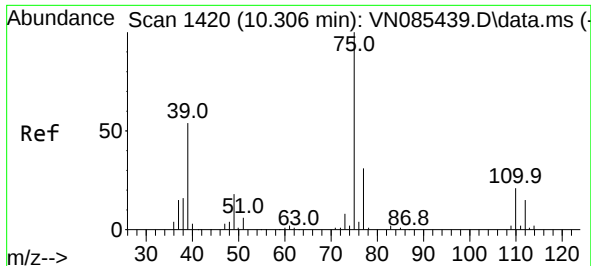
Tgt Ion: 75 Resp: 893

Ion Ratio Lower Upper

75 100

77 0.0 23.5 35.3#

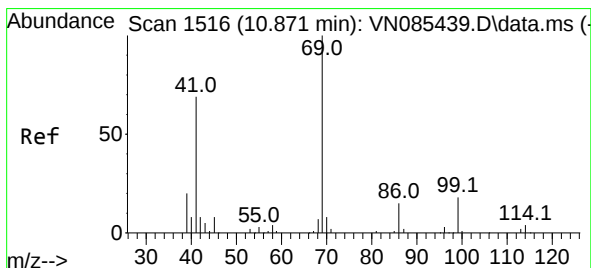
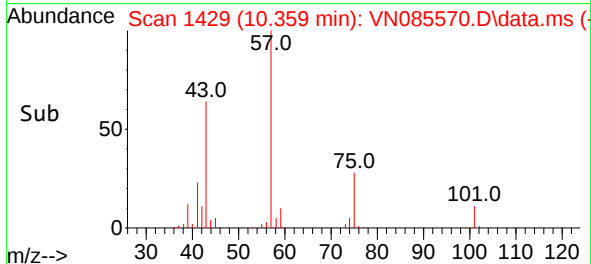
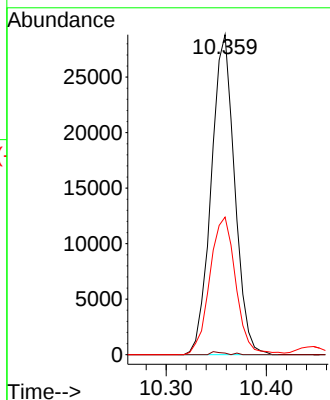
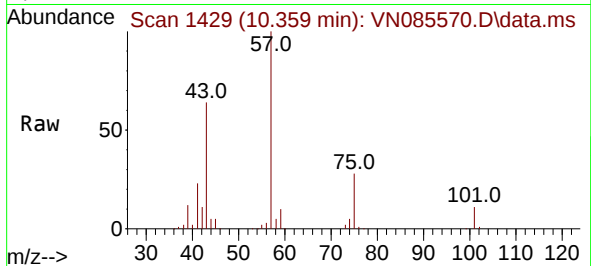




#54
 cis-1,3-Dichloropropene
 Concen: 12.529 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085570.D
 Acq: 29 Jan 2025 20:19

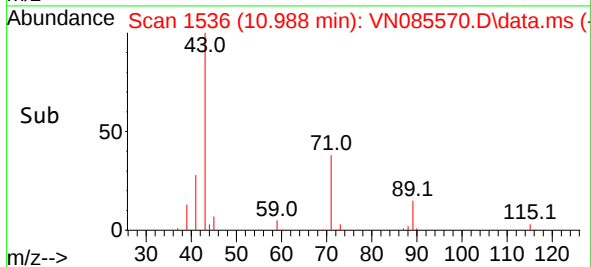
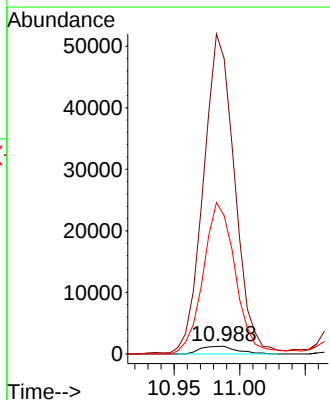
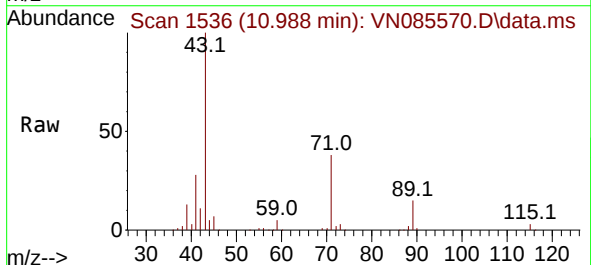
Instrument :
 MSVOA_N
 ClientSampleId :

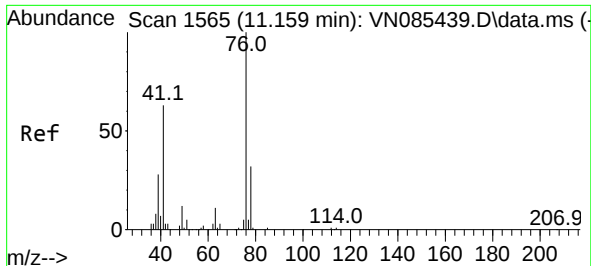
Tgt Ion: 75 Resp: 46724
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 43.0 43.1 64.7#



#56
 Ethyl methacrylate
 Concen: 2.539 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.117 min
 Lab File: VN085570.D
 Acq: 29 Jan 2025 20:19

Tgt Ion: 69 Resp: 2402
 Ion Ratio Lower Upper
 69 100
 41 3603.4 54.6 82.0#
 39 1761.7 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.768 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

Instrument :

MSVOA_N

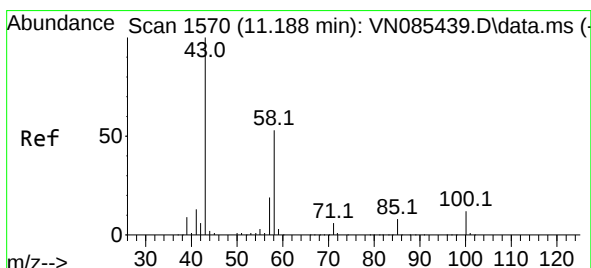
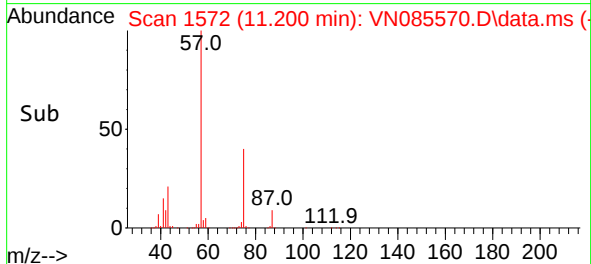
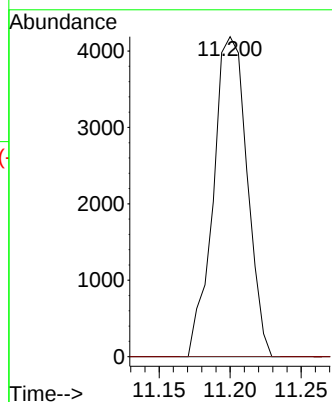
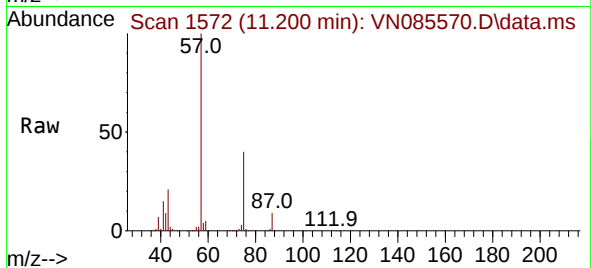
ClientSampleId :

Tgt Ion: 76 Resp: 6937

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 42.543 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085570.D

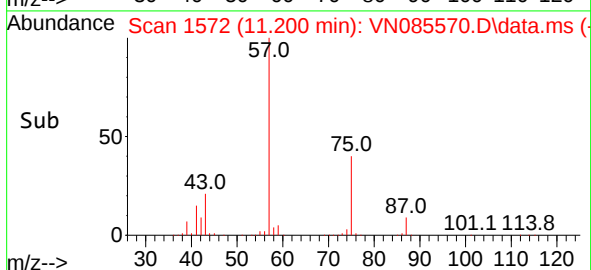
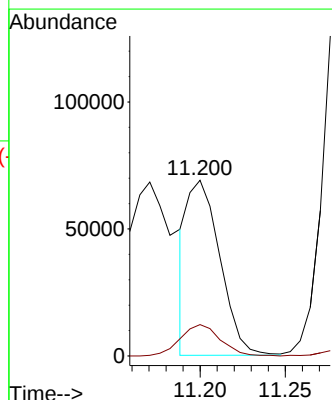
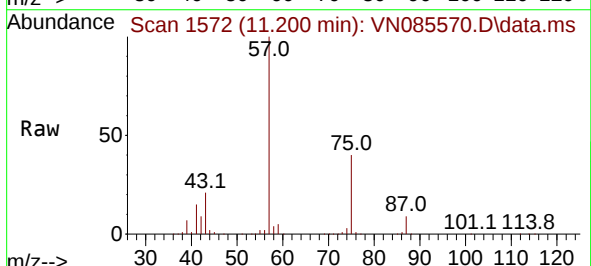
Acq: 29 Jan 2025 20:19

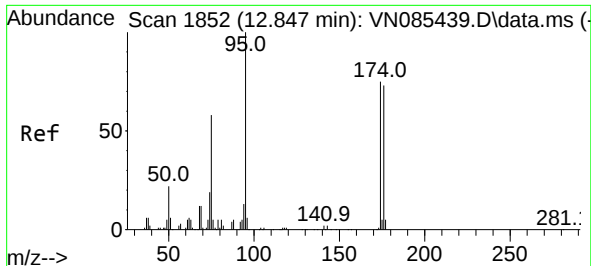
Tgt Ion: 43 Resp: 91997

Ion Ratio Lower Upper

43 100

58 21.9 26.2 78.6#

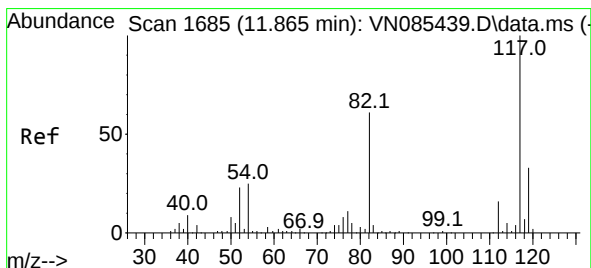
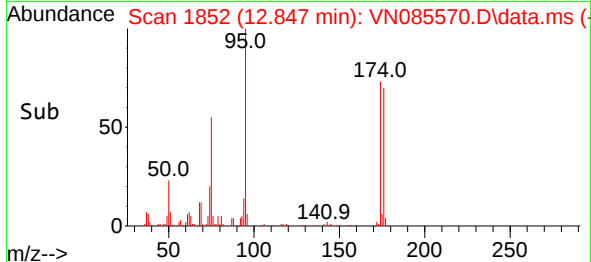
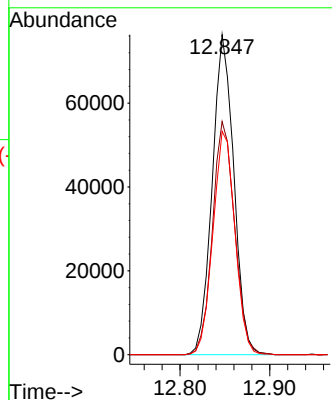
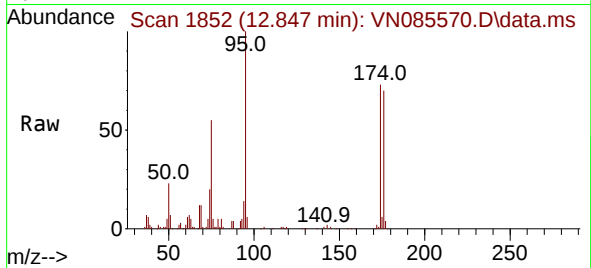




#62
4-Bromofluorobenzene
Concen: 44.944 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085570.D
Acq: 29 Jan 2025 20:19

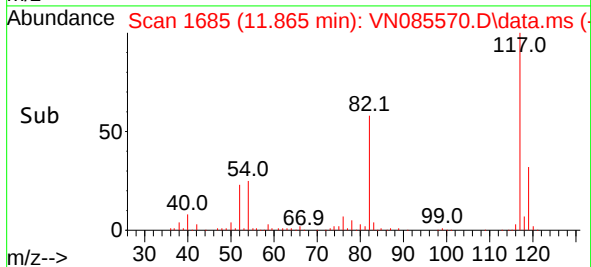
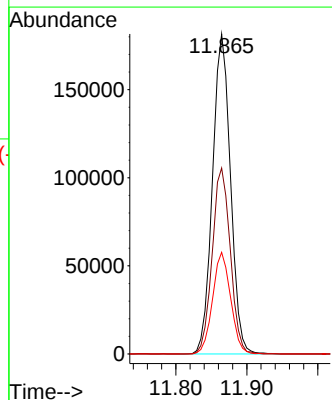
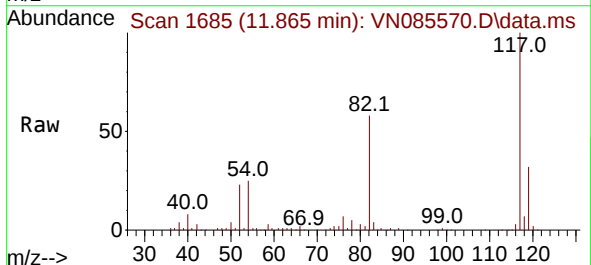
Instrument :
MSVOA_N
ClientSampleId :

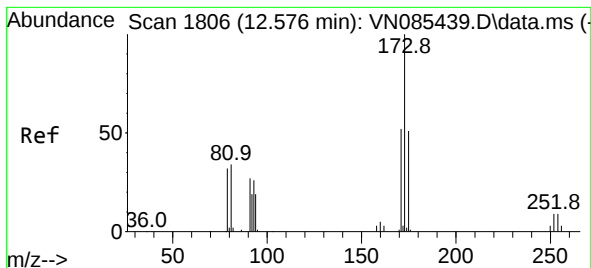
Tgt Ion: 95 Resp: 127448
Ion Ratio Lower Upper
95 100
174 74.8 0.0 145.0
176 71.1 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085570.D
Acq: 29 Jan 2025 20:19

Tgt Ion: 117 Resp: 318942
Ion Ratio Lower Upper
117 100
82 58.1 48.6 72.8
119 31.8 26.6 39.8





#71

Bromoform

Concen: 0.572 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

Lab File: VN085570.D

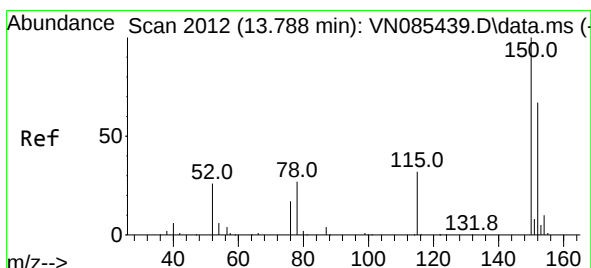
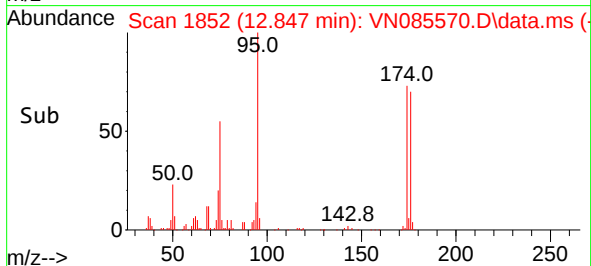
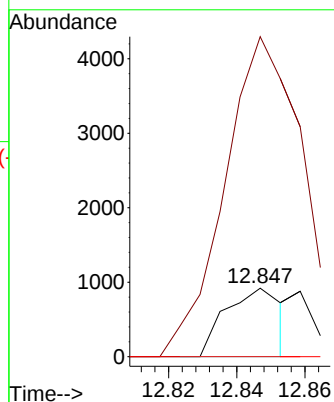
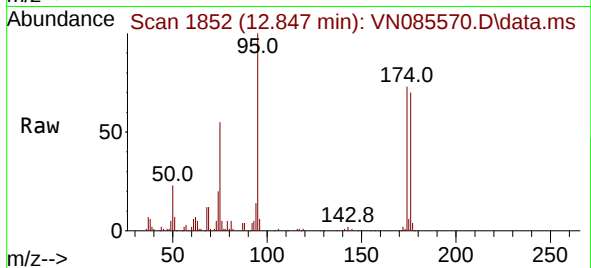
Acq: 29 Jan 2025 20:19

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1050
 Ion Ratio Lower Upper
 173 100
 175 494.6 24.4 73.2#
 254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

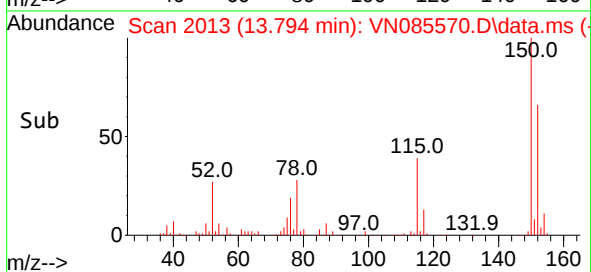
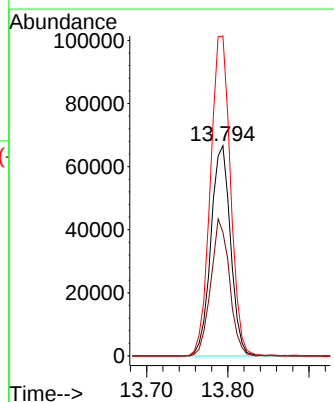
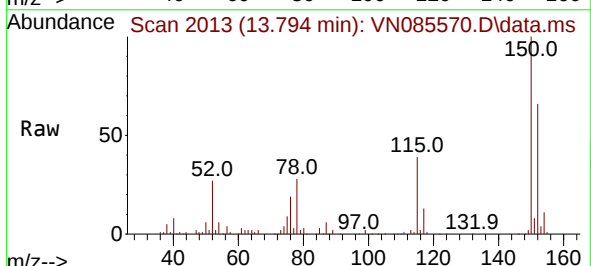
RT: 13.794 min Scan# 2013

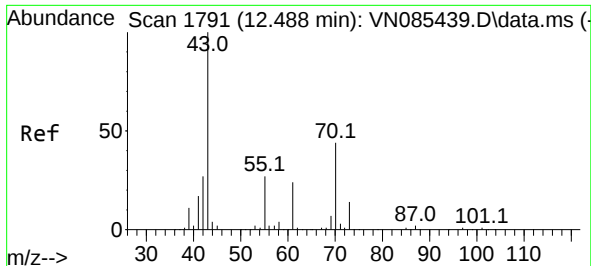
Delta R.T. 0.006 min

Lab File: VN085570.D

Acq: 29 Jan 2025 20:19

Tgt Ion:152 Resp: 112024
 Ion Ratio Lower Upper
 152 100
 115 62.0 31.1 93.3
 150 155.5 0.0 343.6

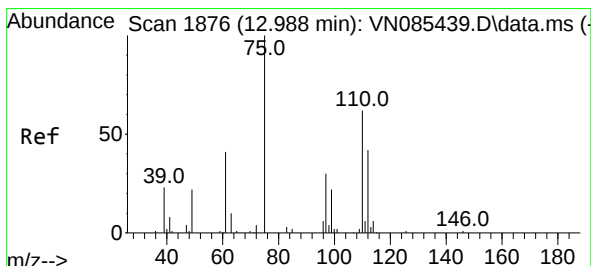
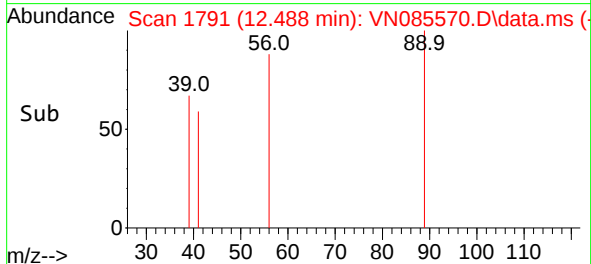
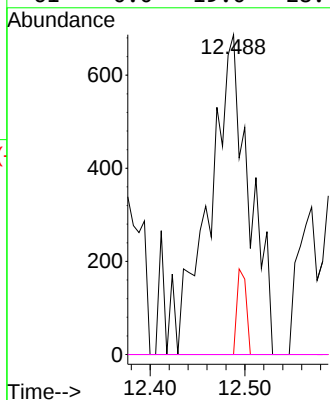
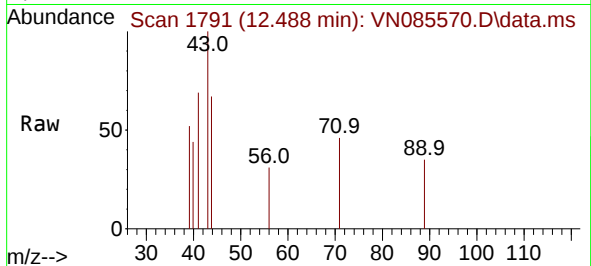




#74
N-amy1 acetate
Concen: 0.586 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085570.D
Acq: 29 Jan 2025 20:19

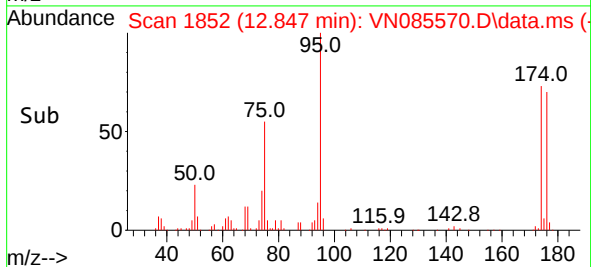
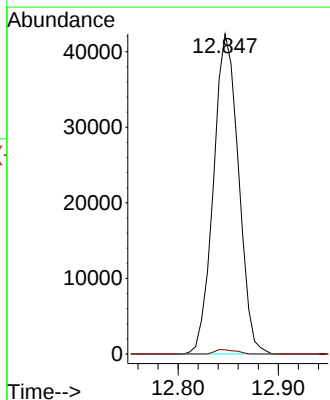
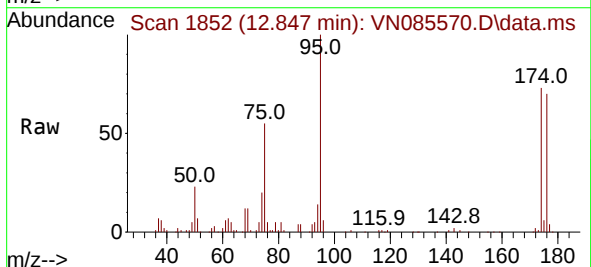
Instrument :
MSVOA_N
ClientSampleId :

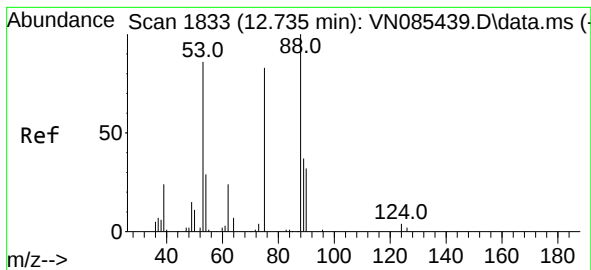
Tgt Ion: 43 Resp: 1991
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 6.1 21.4 32.2#
61 0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 32.211 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085570.D
Acq: 29 Jan 2025 20:19

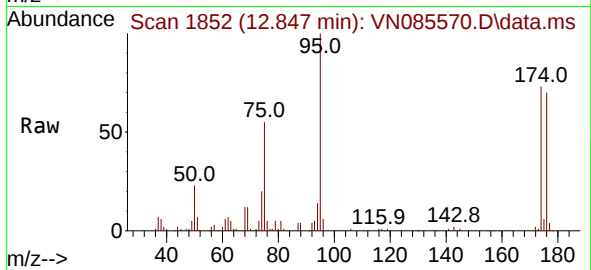
Tgt Ion: 75 Resp: 73341
Ion Ratio Lower Upper
75 100
77 1.1 109.7 329.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 87.148 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085570.D
Acq: 29 Jan 2025 20:19

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 73341
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#

