

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085700.D
 Acq On : 07 Feb 2025 16:41
 Operator : JC\MD
 Sample : PB166592ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 07 22:33:14 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

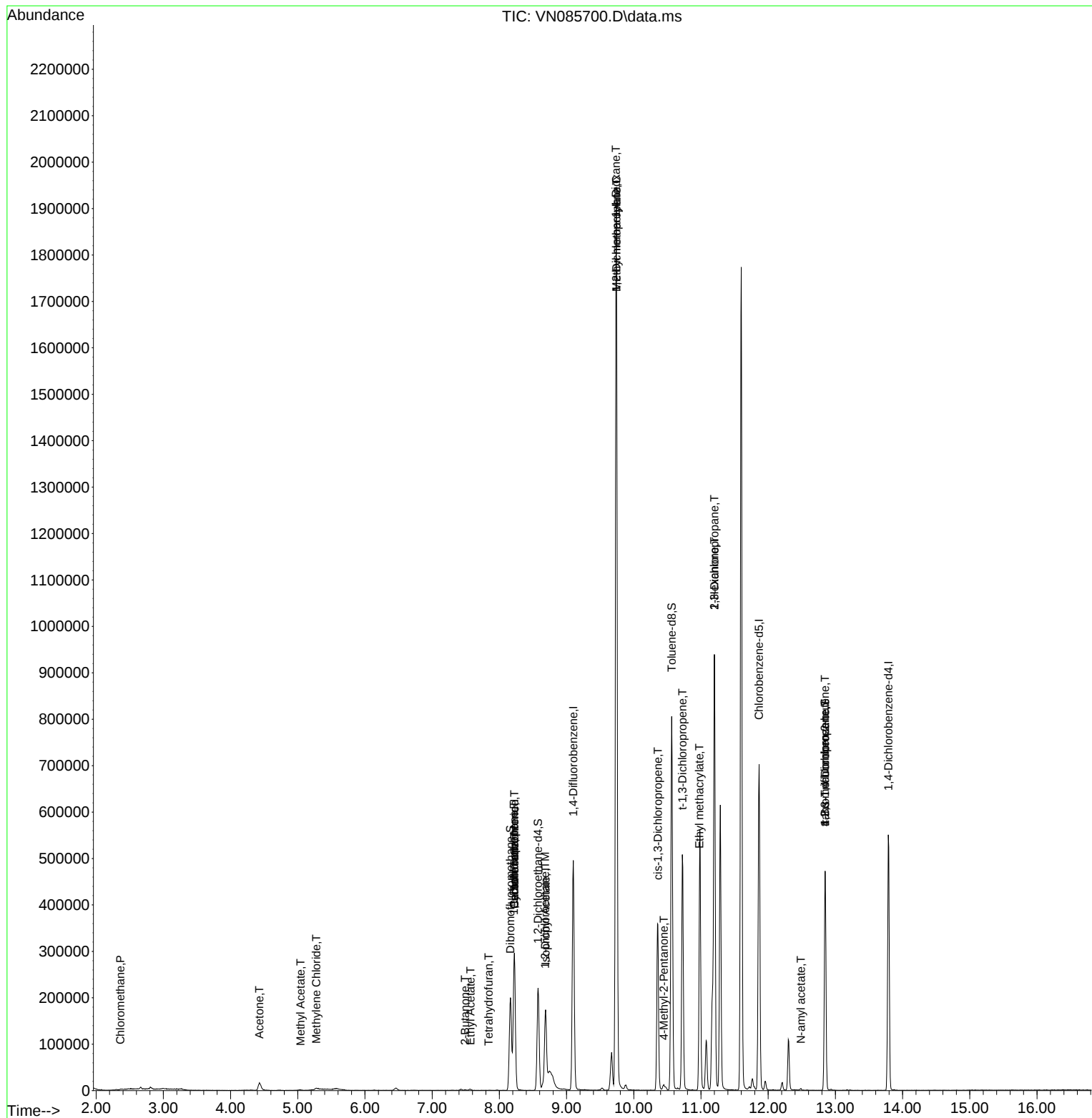
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	205784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	415637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	401043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	178965	53.876	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.760%	
35) Dibromofluoromethane	8.165	113	144261	50.030	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.060%	
50) Toluene-d8	10.565	98	550011	53.686	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.380%	
62) 4-Bromofluorobenzene	12.847	95	161389	46.051	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.100%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	649	0.215	ug/l	91
16) Acetone	4.430	43	29205	27.211	ug/l	96
18) Methyl Acetate	5.041	43	2947	0.903	ug/l #	78
20) Methylene Chloride	5.277	84	2111	0.794	ug/l #	80
25) 2-Butanone	7.488	43	2735	1.732	ug/l	92
29) Tetrahydrofuran	7.841	42	216	0.216	ug/l #	62
31) Cyclohexane	8.224	56	5010	1.188	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17944	4.434	ug/l #	49
37) Ethyl Acetate	7.571	43	4111	1.006	ug/l #	71
38) Carbon Tetrachloride	8.224	117	22476	4.851	ug/l #	20
42) 1,2-Dichloroethane	8.682	62	1130	0.247	ug/l #	76
43) Isopropyl Acetate	8.688	43	204434	31.234	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	2473	0.796	ug/l #	43
48) Methyl methacrylate	9.741	41	175479	59.575	ug/l #	44
49) 1,4-Dioxane	9.735	88	144	2.903	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6707	1.766	ug/l	92
53) t-1,3-Dichloropropene	10.723	75	1306	0.303	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	65110	14.127	ug/l #	61
56) Ethyl methacrylate	10.976	69	2972	2.539	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	10312	2.127	ug/l #	43
59) 2-Hexanone	11.200	43	106647	39.906	ug/l #	60
74) N-amyl acetate	12.488	43	1440	0.320	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	83462	27.724	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83462	75.010	ug/l #	3

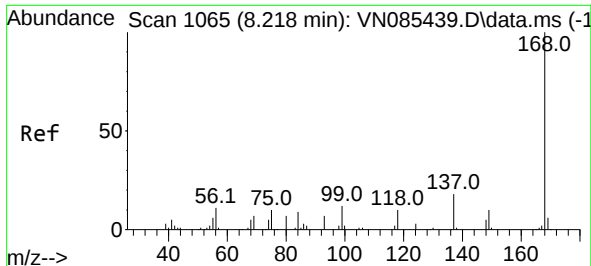
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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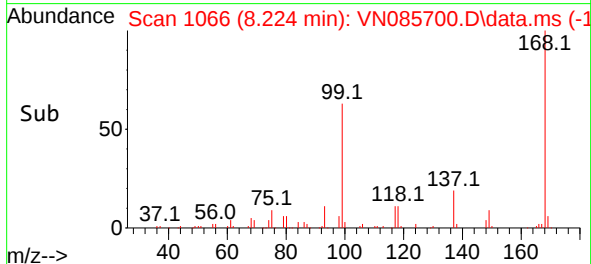
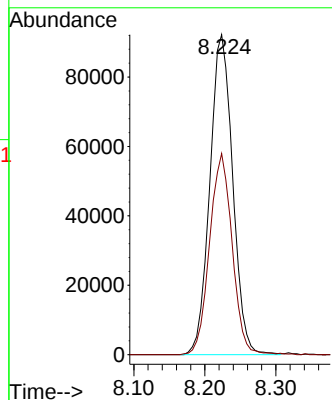
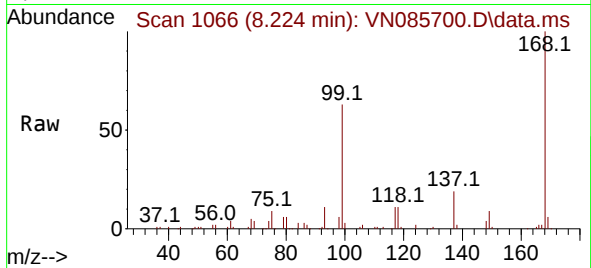




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085700.D
Acq: 07 Feb 2025 16:41

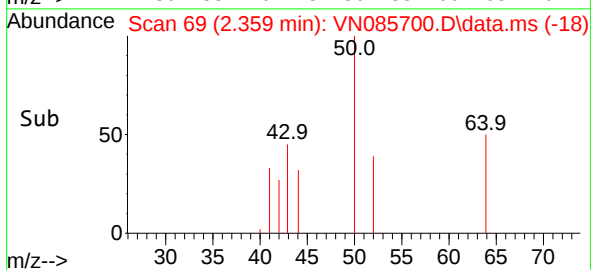
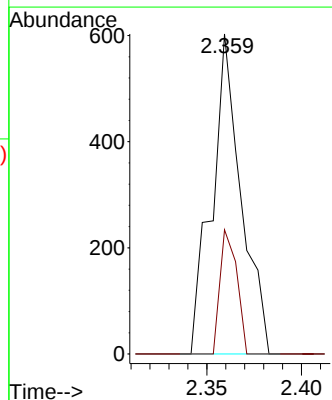
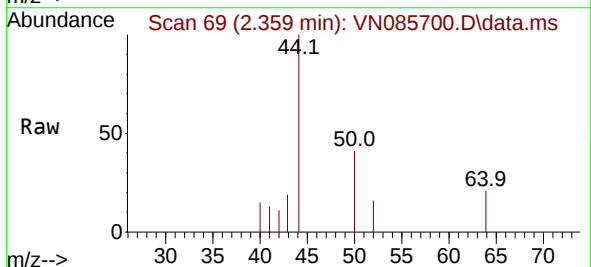
Instrument :
MSVOA_N
ClientSampleId :

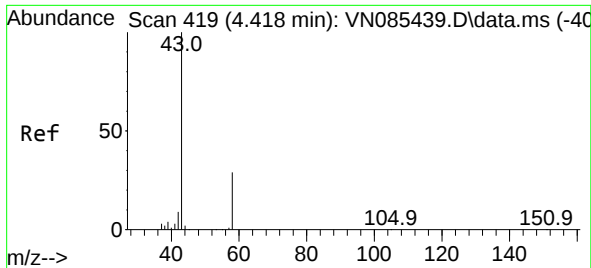
Tgt Ion:168 Resp: 205784
Ion Ratio Lower Upper
168 100
99 62.9 53.6 80.4



#3
Chloromethane
Concen: 0.215 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085700.D
Acq: 07 Feb 2025 16:41

Tgt Ion: 50 Resp: 649
Ion Ratio Lower Upper
50 100
52 38.8 27.0 40.6

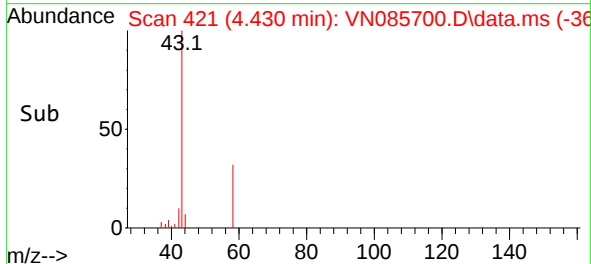
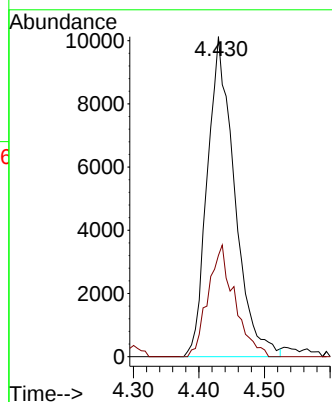
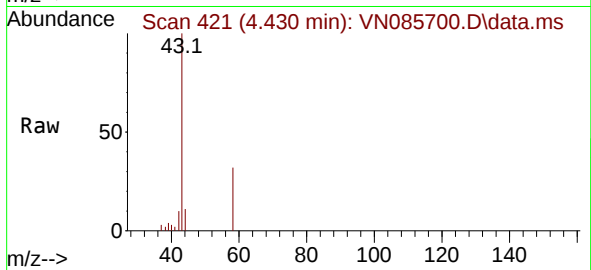




#16
Acetone
Concen: 27.211 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085700.D
Acq: 07 Feb 2025 16:41

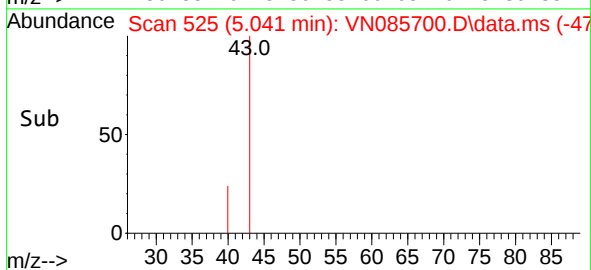
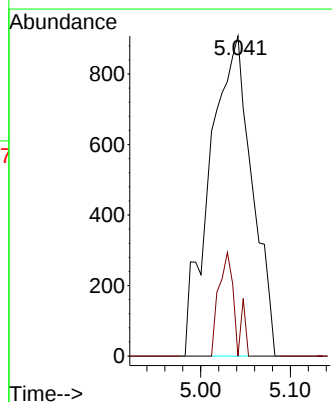
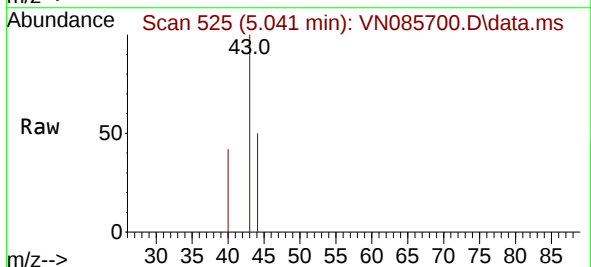
Instrument :
MSVOA_N
ClientSampleId :

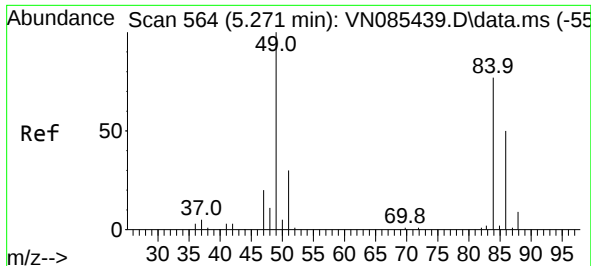
Tgt Ion: 43 Resp: 29205
Ion Ratio Lower Upper
43 100
58 31.7 23.8 35.6



#18
Methyl Acetate
Concen: 0.903 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN085700.D
Acq: 07 Feb 2025 16:41

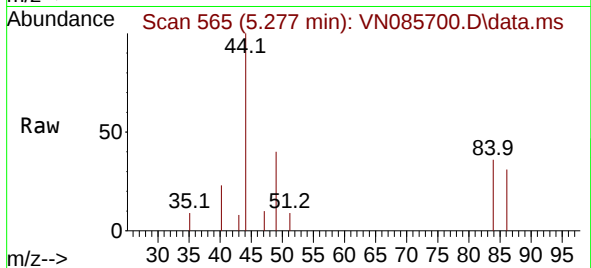
Tgt Ion: 43 Resp: 2947
Ion Ratio Lower Upper
43 100
74 12.7 18.6 28.0#



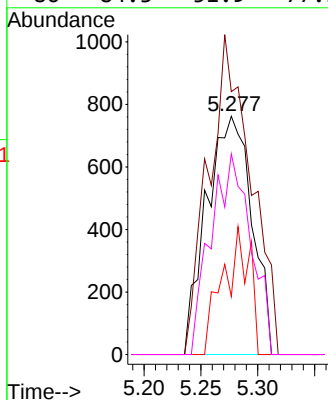
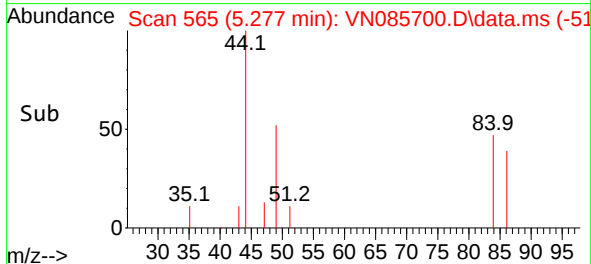


#20
Methylene Chloride
Concen: 0.794 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085700.D
Acq: 07 Feb 2025 16:41

Instrument :
MSVOA_N
ClientSampleId :

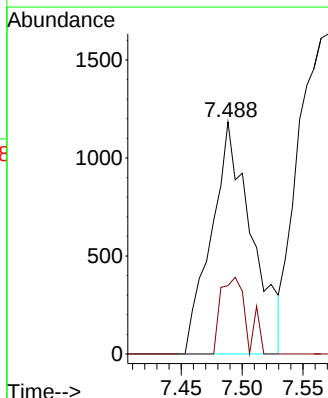
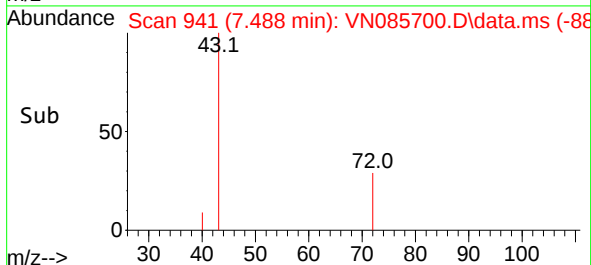
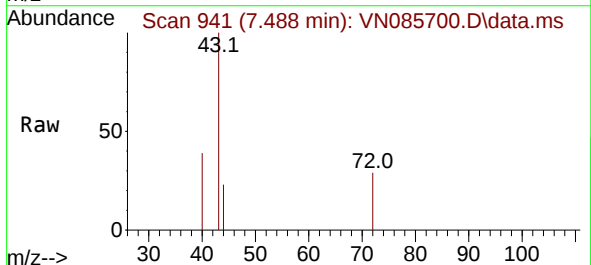


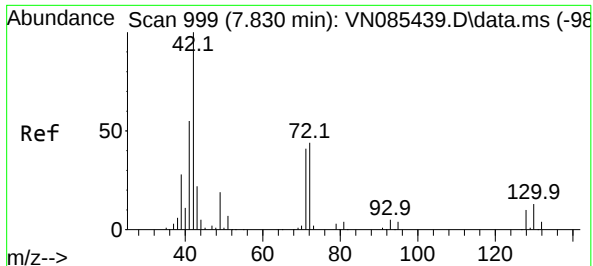
Tgt Ion: 84 Resp: 2111
Ion Ratio Lower Upper
84 100
49 110.4 104.1 156.1
51 24.4 31.0 46.4#
86 84.3 51.9 77.9#



#25
2-Butanone
Concen: 1.732 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085700.D
Acq: 07 Feb 2025 16:41

Tgt Ion: 43 Resp: 2735
Ion Ratio Lower Upper
43 100
72 29.5 20.2 30.4





#29

Tetrahydrofuran

Concen: 0.216 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.012 min

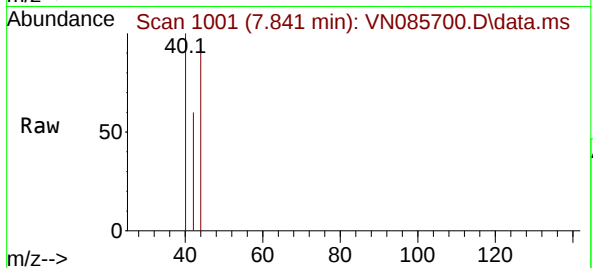
Lab File: VN085700.D

Acq: 07 Feb 2025 16:41

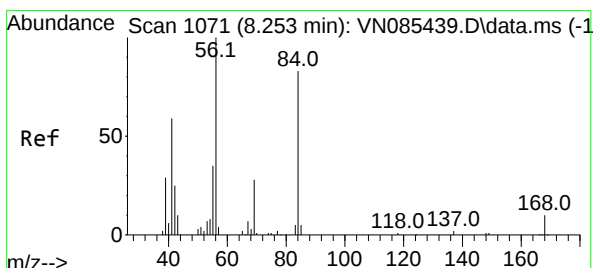
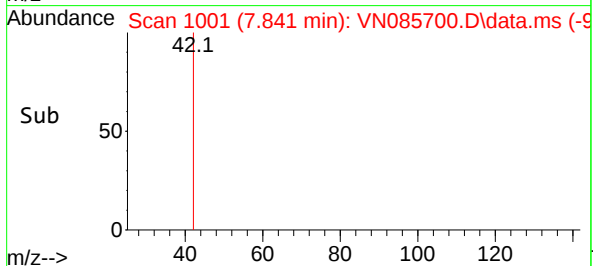
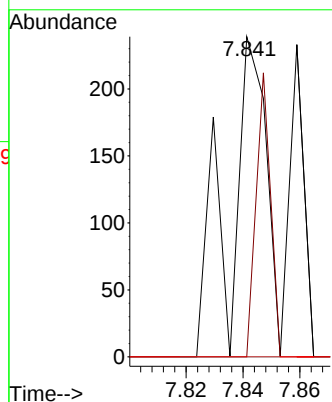
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	216
Ion	Ratio	Lower	Upper
42	100		
72	34.7	34.2	51.2
71	0.0	32.5	48.7#



#31

Cyclohexane

Concen: 1.188 ug/l

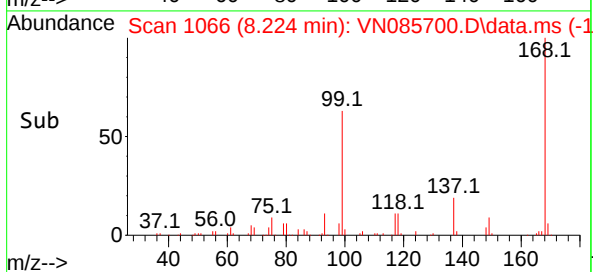
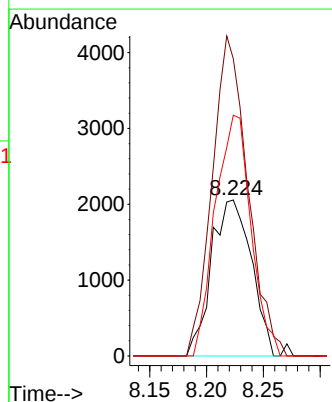
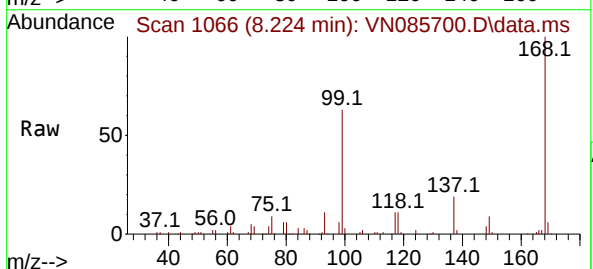
RT: 8.224 min Scan# 1066

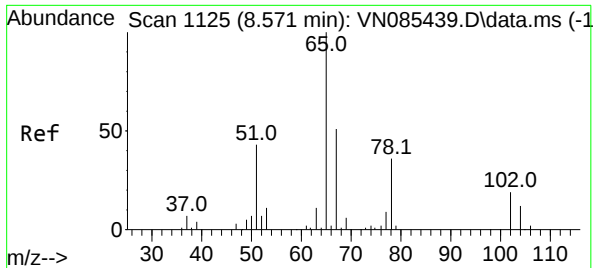
Delta R.T. -0.029 min

Lab File: VN085700.D

Acq: 07 Feb 2025 16:41

Tgt Ion:	56	Resp:	5010
Ion	Ratio	Lower	Upper
56	100		
69	190.6	22.2	33.4#
84	154.4	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 53.876 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085700.D

Acq: 07 Feb 2025 16:41

Instrument :

MSVOA_N

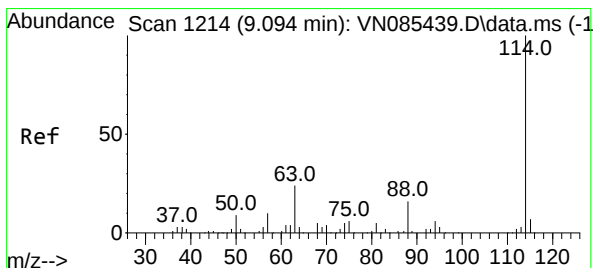
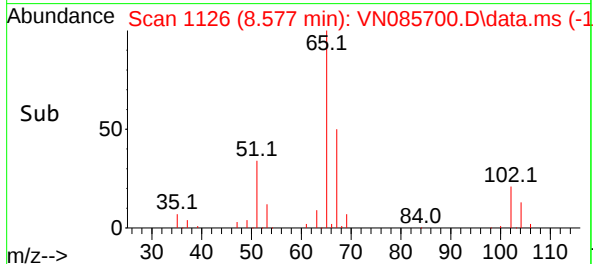
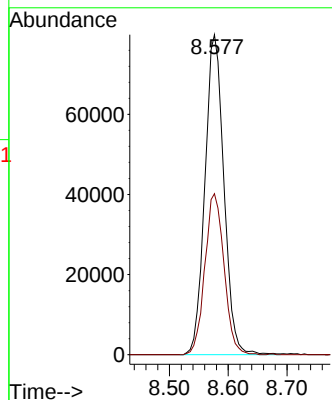
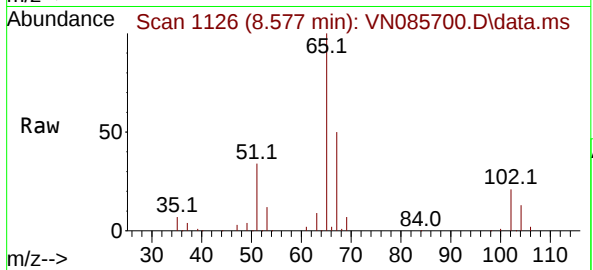
ClientSampleId :

Tgt Ion: 65 Resp: 178965

Ion Ratio Lower Upper

65 100

67 50.9 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: VN085700.D

Acq: 07 Feb 2025 16:41

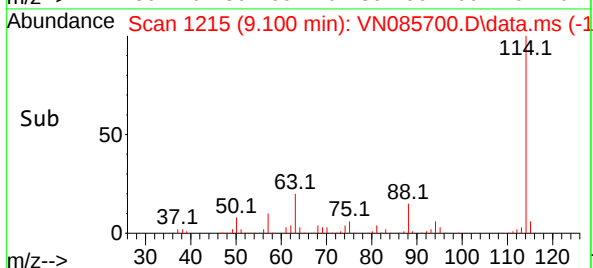
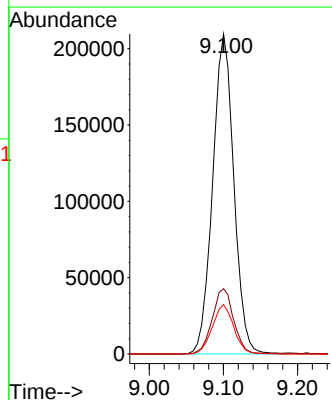
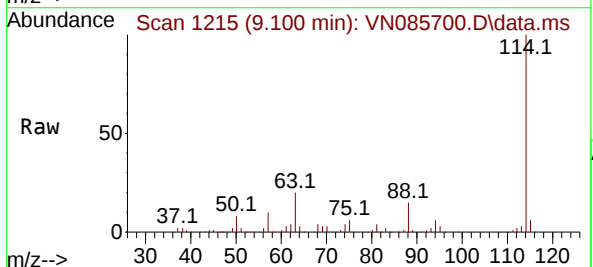
Tgt Ion: 114 Resp: 415637

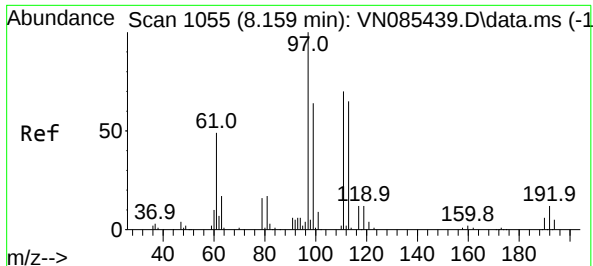
Ion Ratio Lower Upper

114 100

63 20.4 0.0 47.6

88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.030 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

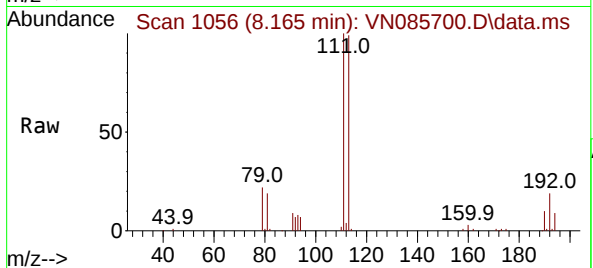
Lab File: VN085700.D

Acq: 07 Feb 2025 16:41

Instrument :

MSVOA_N

ClientSampleId :



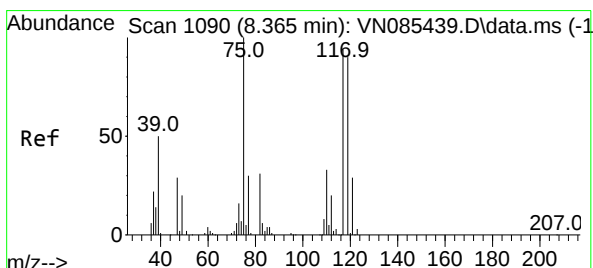
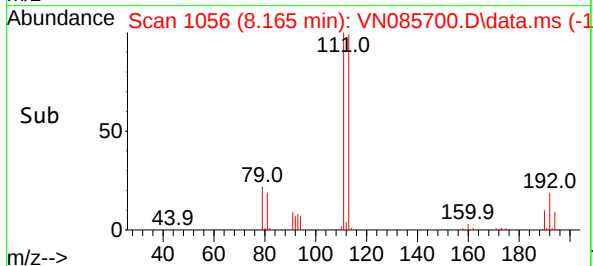
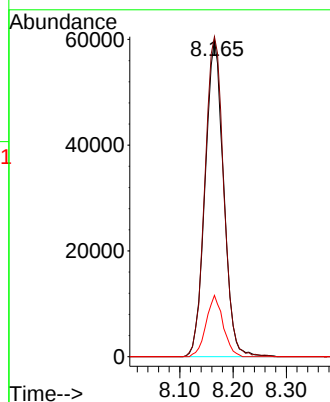
Tgt Ion:113 Resp: 144261

Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

192 17.8 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.434 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085700.D

Acq: 07 Feb 2025 16:41

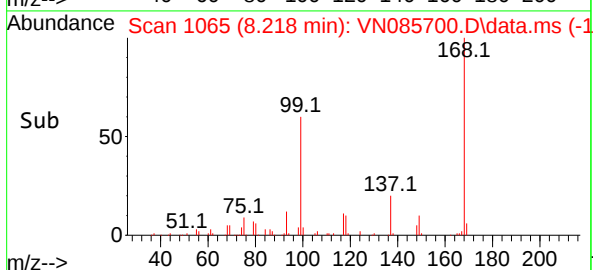
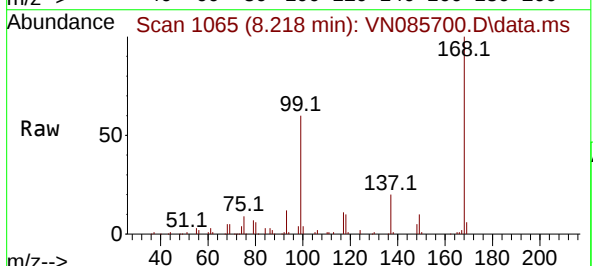
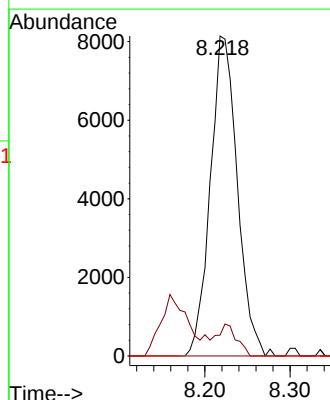
Tgt Ion: 75 Resp: 17944

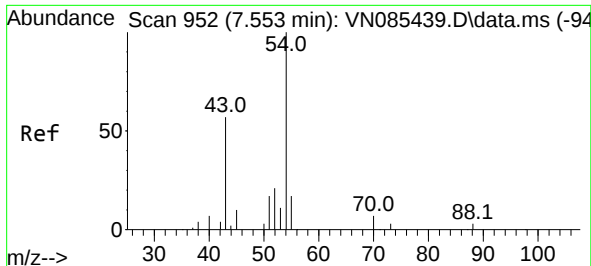
Ion Ratio Lower Upper

75 100

110 7.1 16.5 49.5#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.006 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.018 min

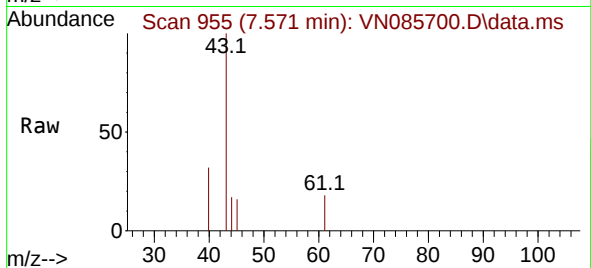
Lab File: VN085700.D

Acq: 07 Feb 2025 16:41

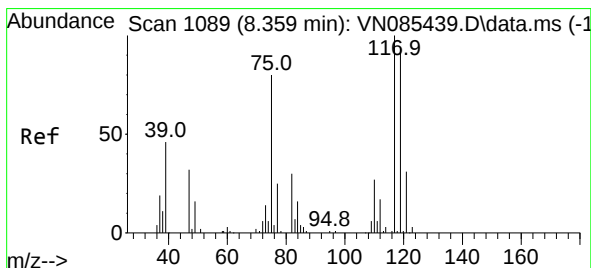
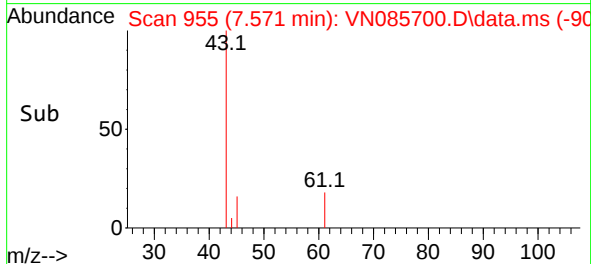
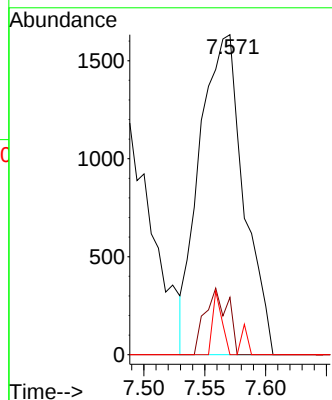
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4111
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.9	16.3#
70	1.3	7.5	11.3#



#38

Carbon Tetrachloride

Concen: 4.851 ug/l

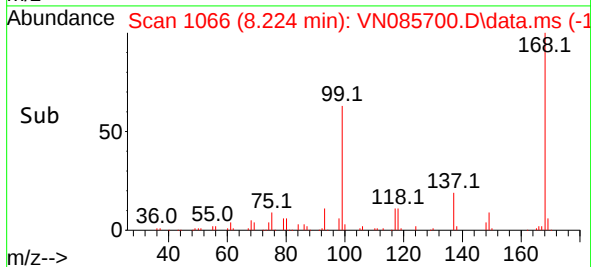
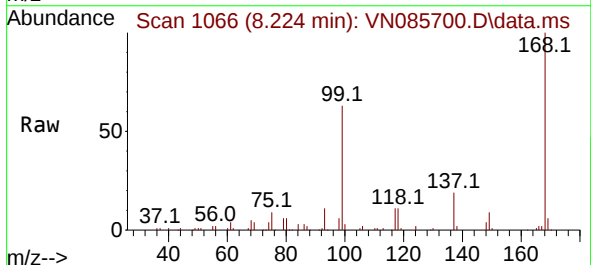
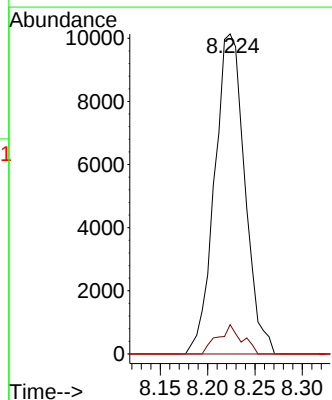
RT: 8.224 min Scan# 1066

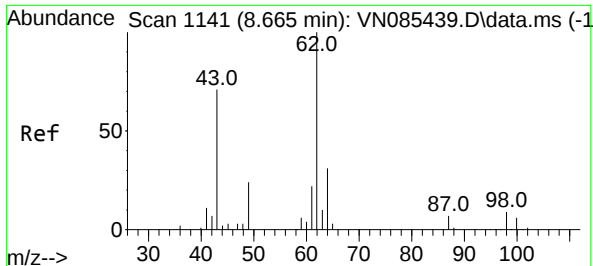
Delta R.T. -0.135 min

Lab File: VN085700.D

Acq: 07 Feb 2025 16:41

Tgt Ion:	117	Resp:	22476
Ion Ratio	Lower	Upper	
117	100		
119	9.1	75.4	113.2#
121	0.0	24.6	37.0#





#42

1,2-Dichloroethane

Concen: 0.247 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.018 min

Lab File: VN085700.D

Acq: 07 Feb 2025 16:41

Instrument :

MSVOA_N

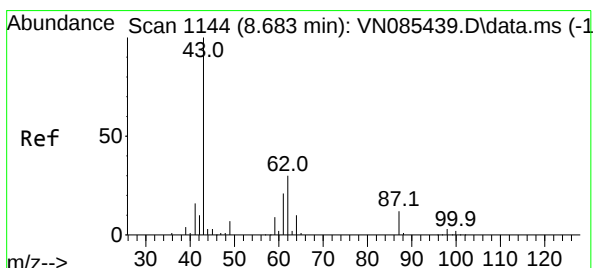
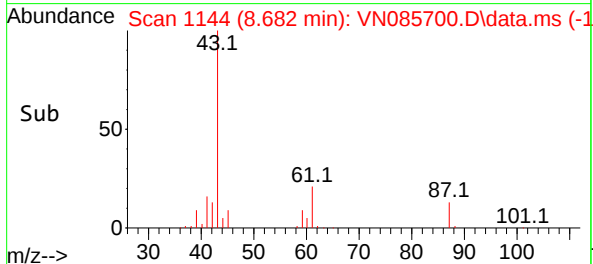
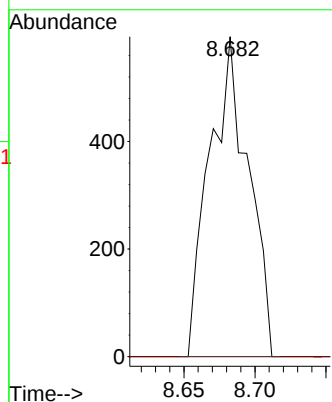
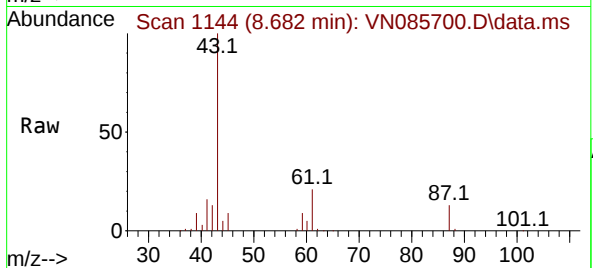
ClientSampleId :

Tgt Ion: 62 Resp: 1130

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 31.234 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085700.D

Acq: 07 Feb 2025 16:41

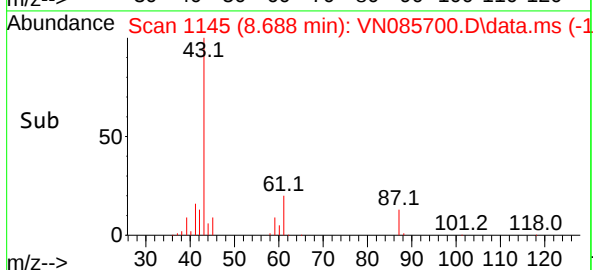
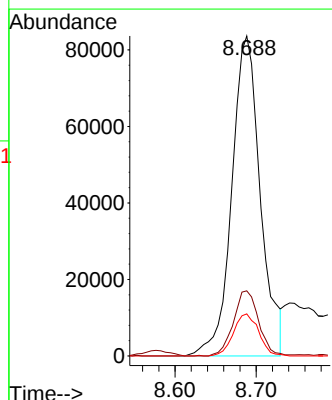
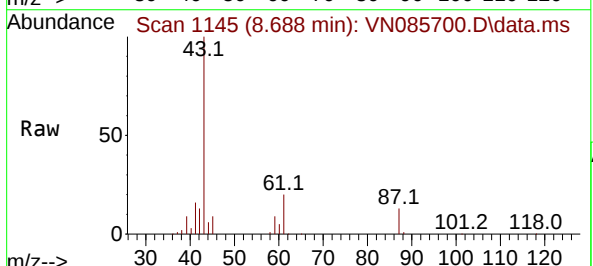
Tgt Ion: 43 Resp: 204434

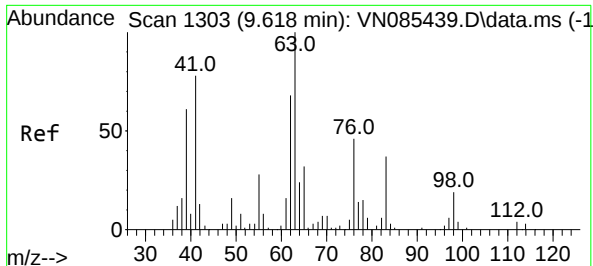
Ion Ratio Lower Upper

43 100

61 18.0 20.7 31.1#

87 11.6 9.8 14.8





#45

1,2-Dichloropropane

Concen: 0.796 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN085700.D

Acq: 07 Feb 2025 16:41

Instrument :

MSVOA_N

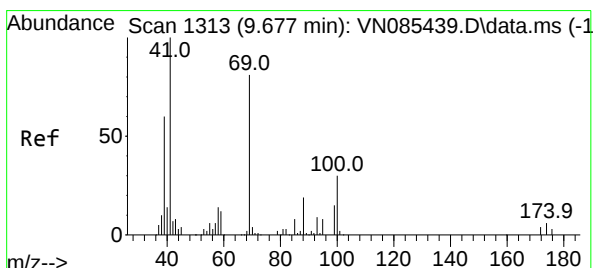
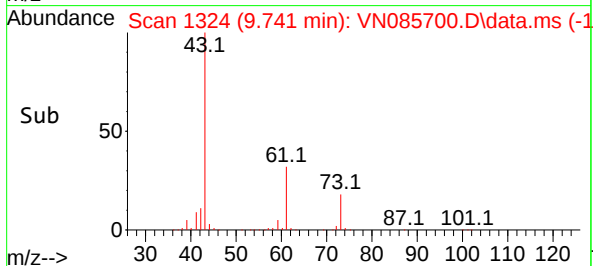
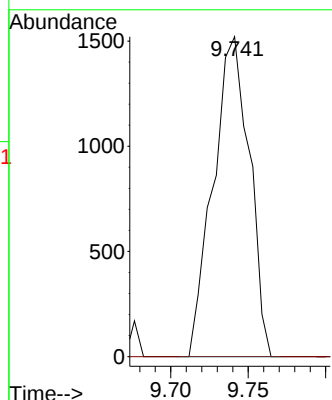
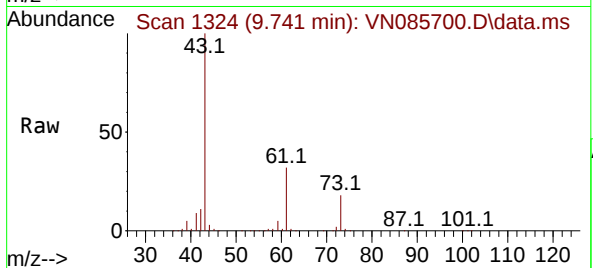
ClientSampleId :

Tgt Ion: 63 Resp: 2473

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 59.575 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN085700.D

Acq: 07 Feb 2025 16:41

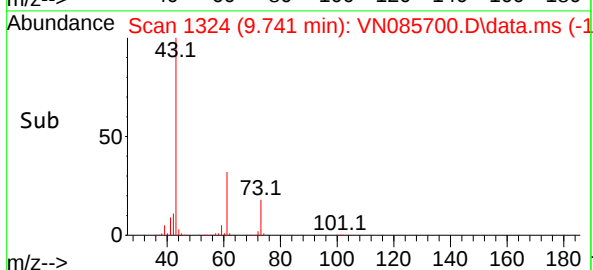
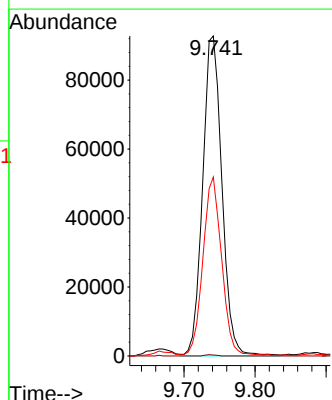
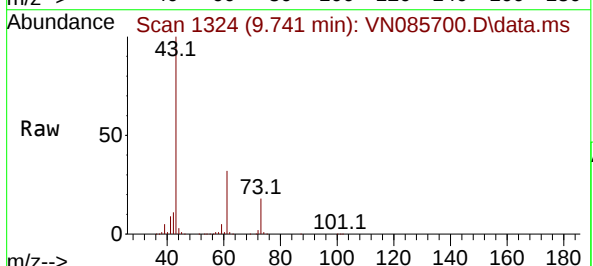
Tgt Ion: 41 Resp: 175479

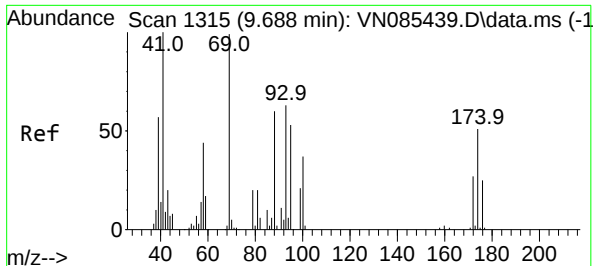
Ion Ratio Lower Upper

41 100

69 0.2 64.7 97.1#

39 54.0 49.0 73.6





#49

1,4-Dioxane

Concen: 2.903 ug/l

RT: 9.735 min Scan# 1

Delta R.T. 0.047 min

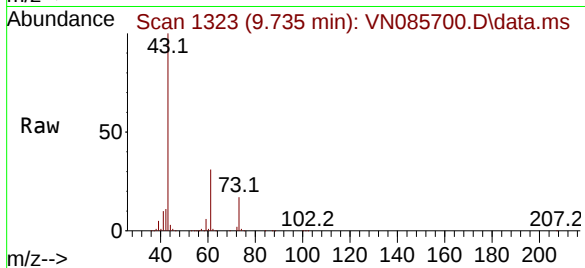
Lab File: VN085700.D

Acq: 07 Feb 2025 16:41

Instrument :

MSVOA_N

ClientSampleId :



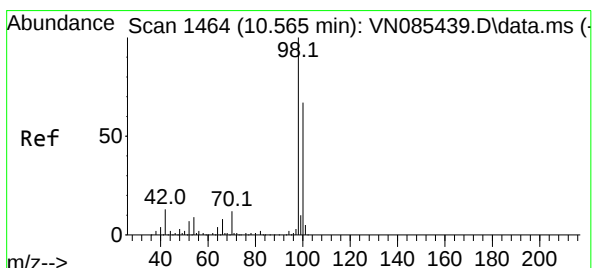
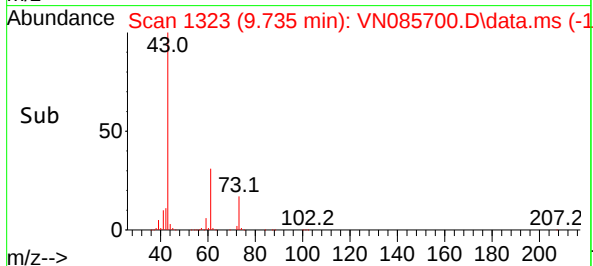
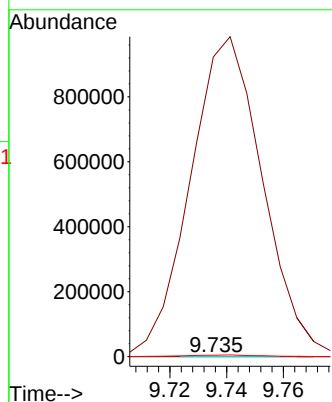
Tgt Ion: 88 Resp: 144

Ion Ratio Lower Upper

88 100

43 1221800.7 26.6 39.8#

58 6940.3 59.5 89.3#



#50

Toluene-d8

Concen: 53.686 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085700.D

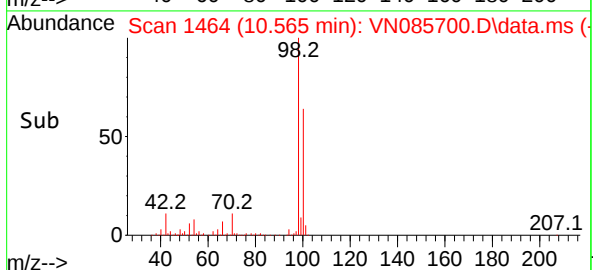
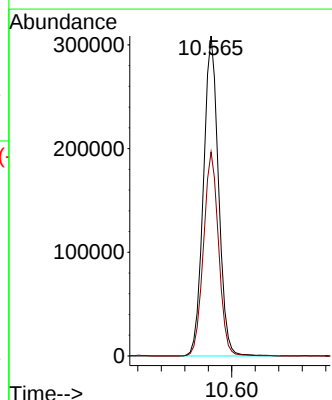
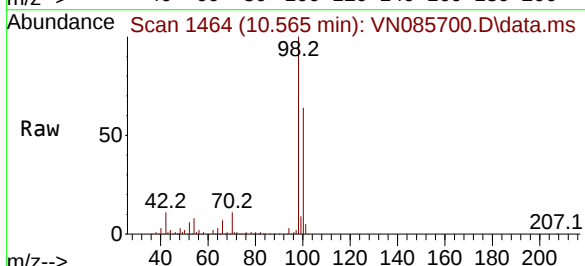
Acq: 07 Feb 2025 16:41

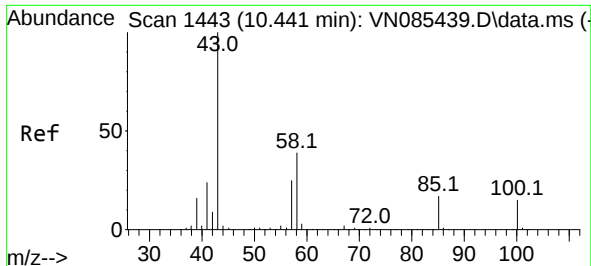
Tgt Ion: 98 Resp: 550011

Ion Ratio Lower Upper

98 100

100 63.9 52.2 78.4

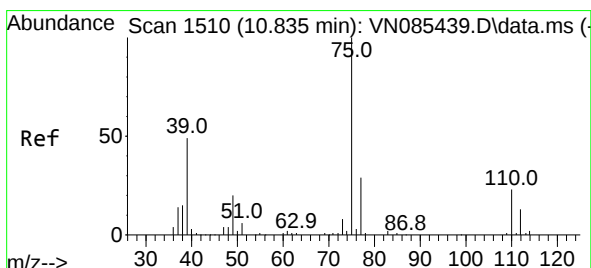
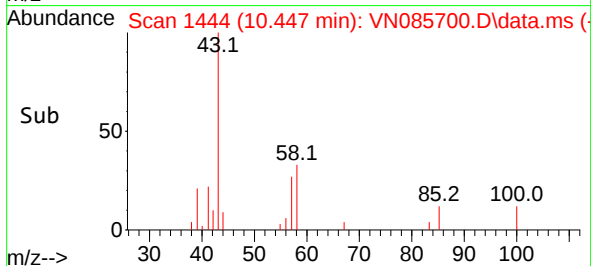
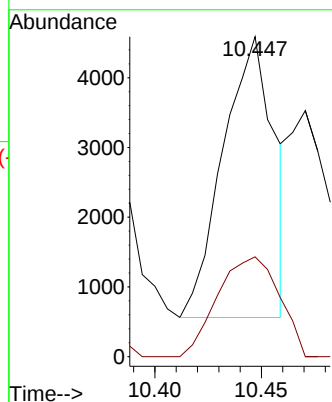
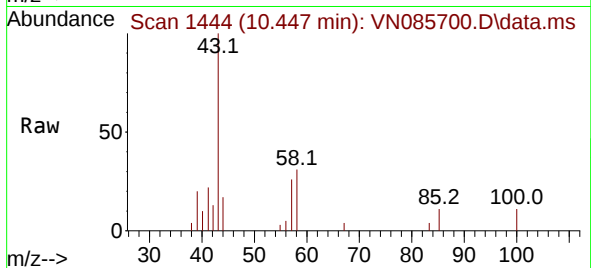




#51
4-Methyl-2-Pentanone
Concen: 1.766 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085700.D
Acq: 07 Feb 2025 16:41

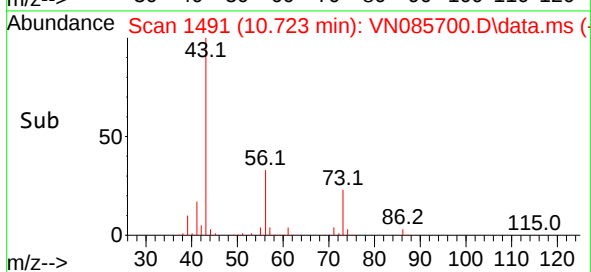
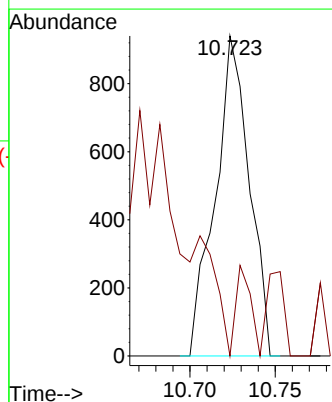
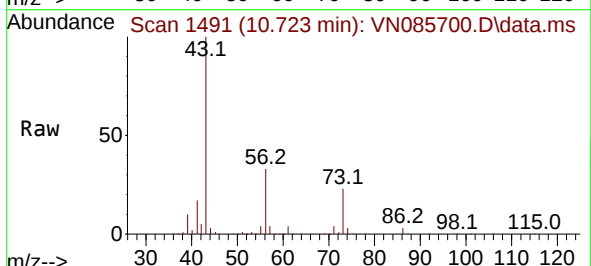
Instrument :
MSVOA_N
ClientSampleId :

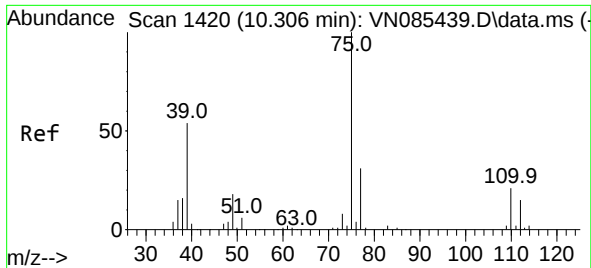
Tgt Ion: 43 Resp: 6707
Ion Ratio Lower Upper
43 100
58 42.9 30.5 45.7



#53
t-1,3-Dichloropropene
Concen: 0.303 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085700.D
Acq: 07 Feb 2025 16:41

Tgt Ion: 75 Resp: 1306
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#

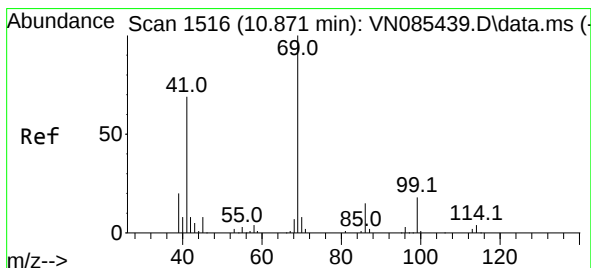
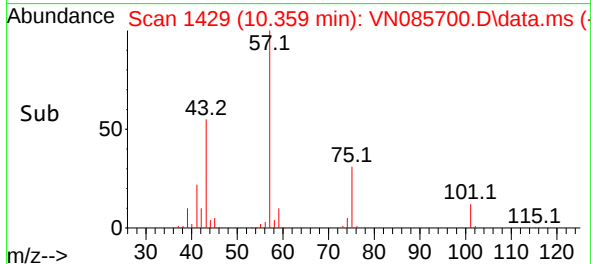
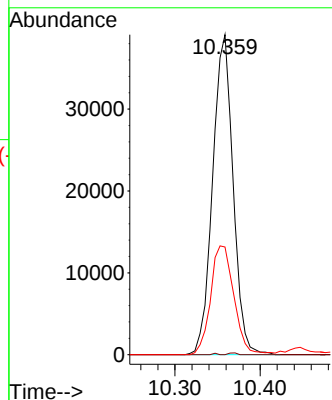
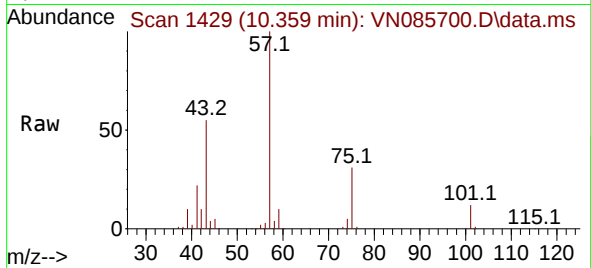




#54
 cis-1,3-Dichloropropene
 Concen: 14.127 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085700.D
 Acq: 07 Feb 2025 16:41

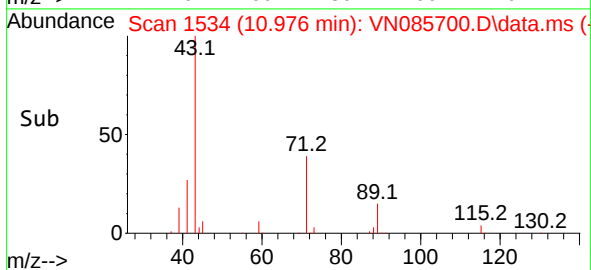
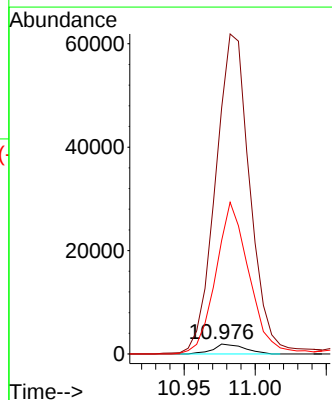
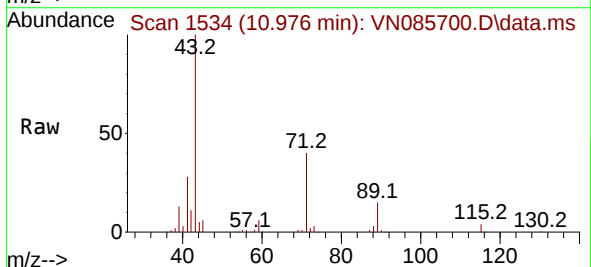
Instrument :
 MSVOA_N
 ClientSampleId :

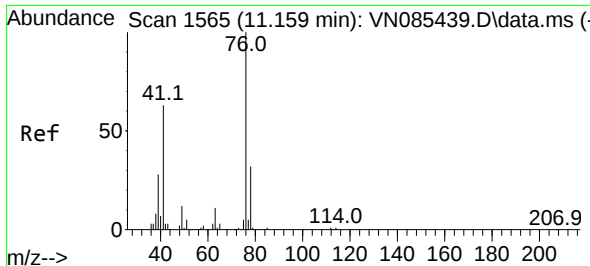
Tgt Ion: 75 Resp: 65110
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 33.6 43.1 64.7#



#56
 Ethyl methacrylate
 Concen: 2.539 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.105 min
 Lab File: VN085700.D
 Acq: 07 Feb 2025 16:41

Tgt Ion: 69 Resp: 2972
 Ion Ratio Lower Upper
 69 100
 41 3541.6 54.6 82.0#
 39 1617.1 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 2.127 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085700.D

Acq: 07 Feb 2025 16:41

Instrument :

MSVOA_N

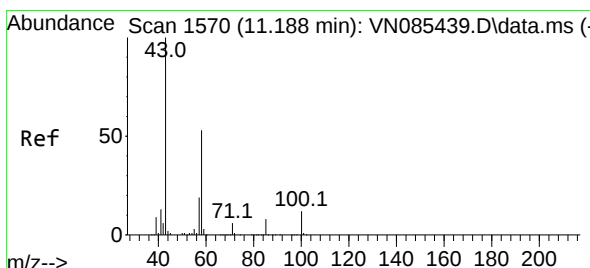
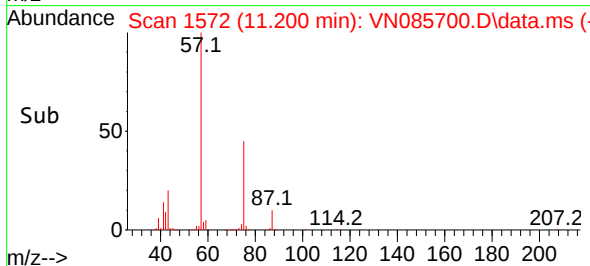
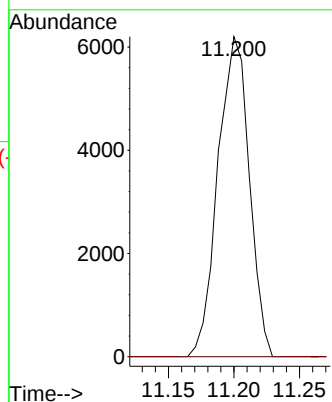
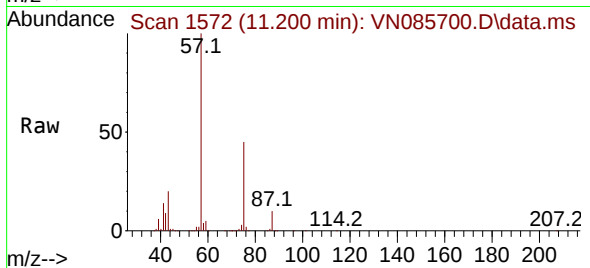
ClientSampleId :

Tgt Ion: 76 Resp: 10312

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 39.906 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085700.D

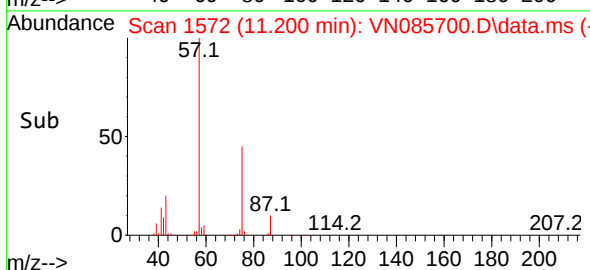
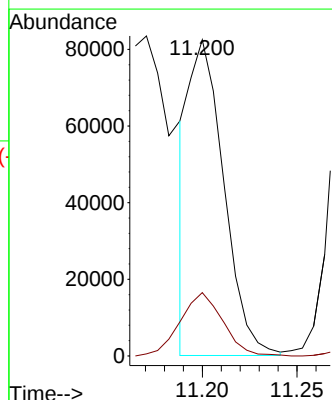
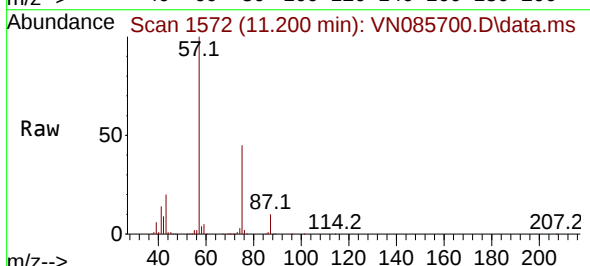
Acq: 07 Feb 2025 16:41

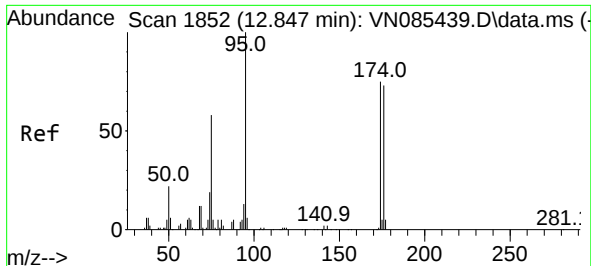
Tgt Ion: 43 Resp: 106647

Ion Ratio Lower Upper

43 100

58 24.3 26.2 78.6#

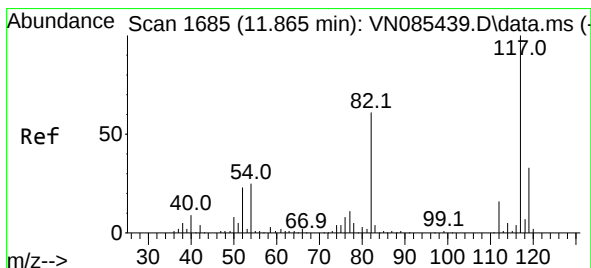
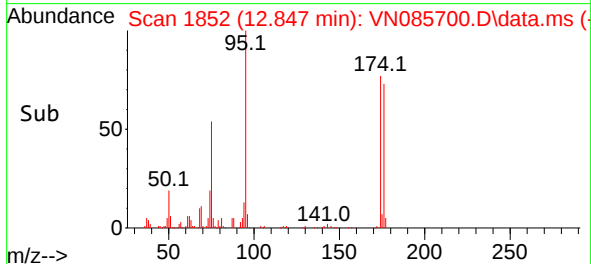
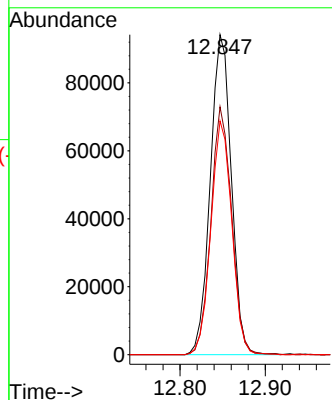
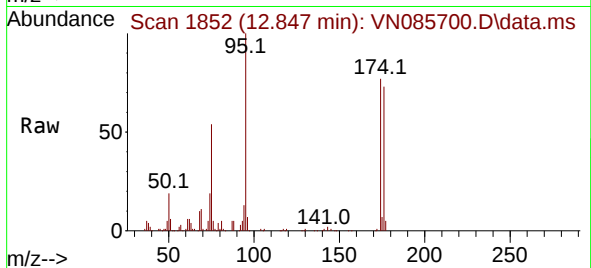




#62
4-Bromofluorobenzene
Concen: 46.051 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085700.D
Acq: 07 Feb 2025 16:41

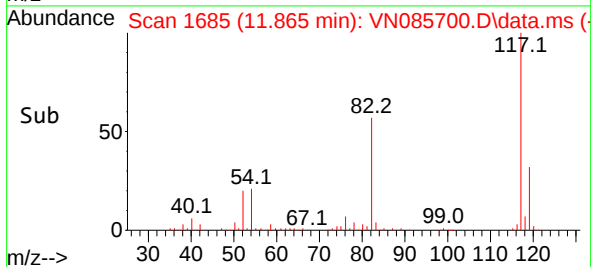
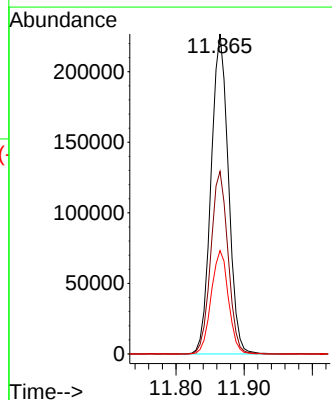
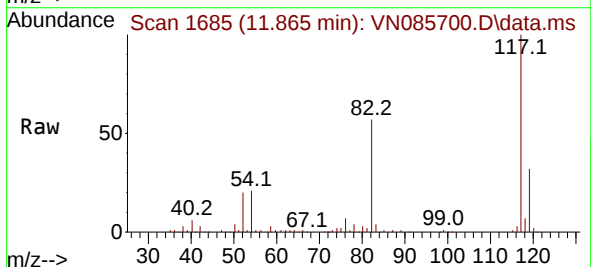
Instrument :
MSVOA_N
ClientSampleId :

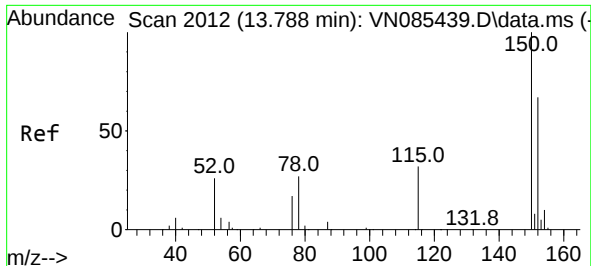
Tgt Ion: 95 Resp: 161389
Ion Ratio Lower Upper
95 100
174 76.7 0.0 145.0
176 72.6 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085700.D
Acq: 07 Feb 2025 16:41

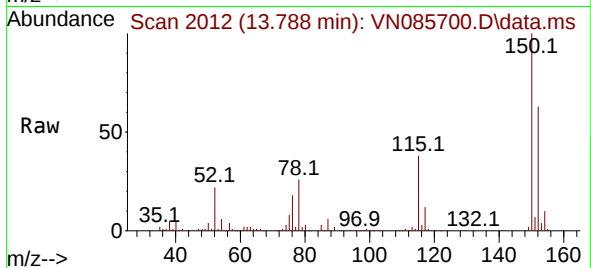
Tgt Ion: 117 Resp: 401043
Ion Ratio Lower Upper
117 100
82 57.1 48.6 72.8
119 32.3 26.6 39.8



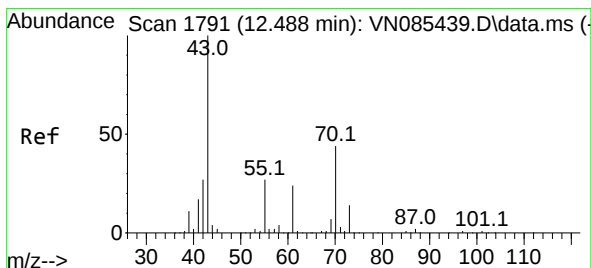
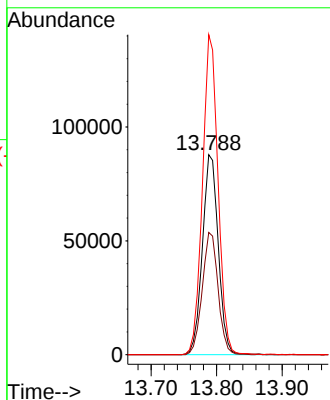
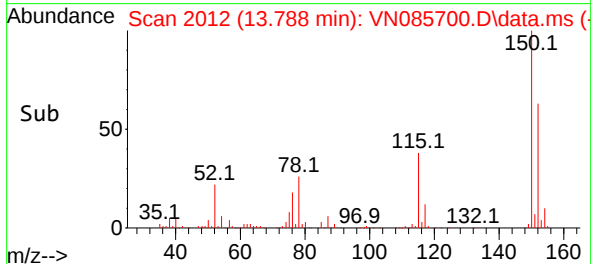


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085700.D
 Acq: 07 Feb 2025 16:41

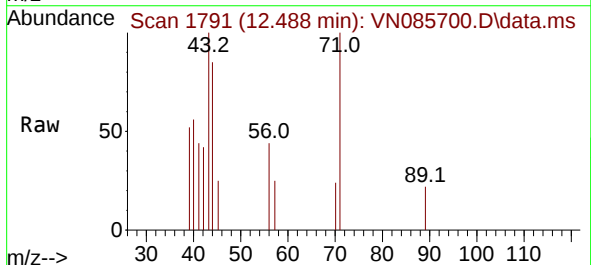
Instrument :
 MSVOA_N
 ClientSampleId :



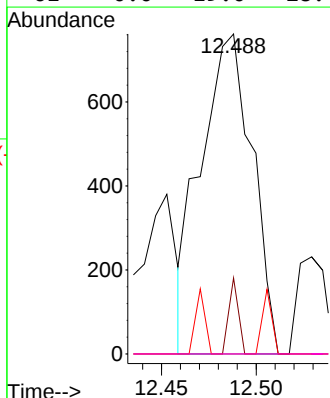
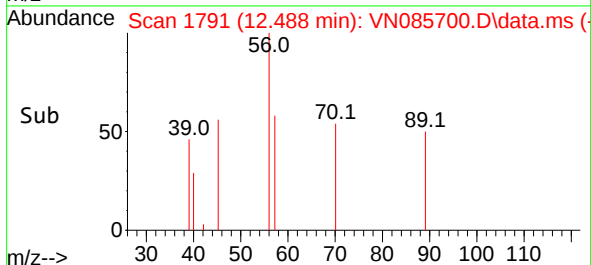
Tgt Ion:152 Resp: 148113
 Ion Ratio Lower Upper
 152 100
 115 60.9 31.1 93.3
 150 156.6 0.0 343.6

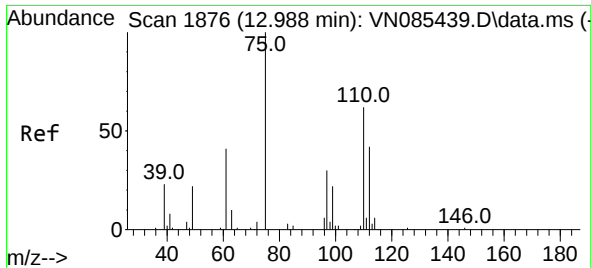


#74
 N-ethyl acetate
 Concen: 0.320 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VN085700.D
 Acq: 07 Feb 2025 16:41



Tgt Ion: 43 Resp: 1440
 Ion Ratio Lower Upper
 43 100
 70 4.4 34.0 51.0#
 55 0.0 21.4 32.2#
 61 0.0 19.0 28.4#

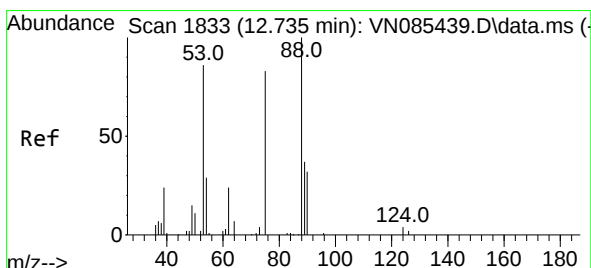
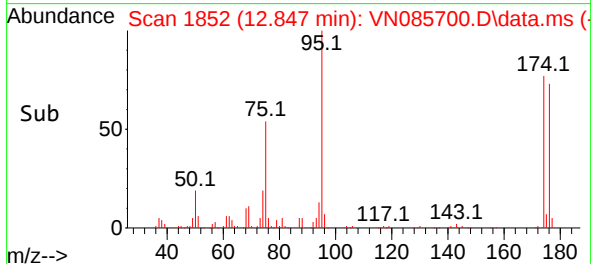
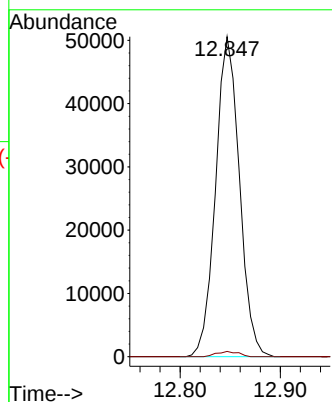
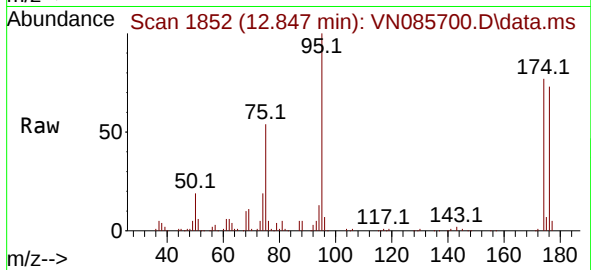




#76
1,2,3-Trichloropropane
Concen: 27.724 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085700.D
Acq: 07 Feb 2025 16:41

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 83462
Ion Ratio Lower Upper
75 100
77 1.5 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.010 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085700.D
Acq: 07 Feb 2025 16:41

Tgt Ion: 75 Resp: 83462
Ion Ratio Lower Upper
75 100
53 0.3 95.6 143.4#
89 0.0 37.0 55.6#

