

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085623.D
 Acq On : 03 Feb 2025 15:36
 Operator : JC\MD
 Sample : PB166424ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 00:58:53 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)

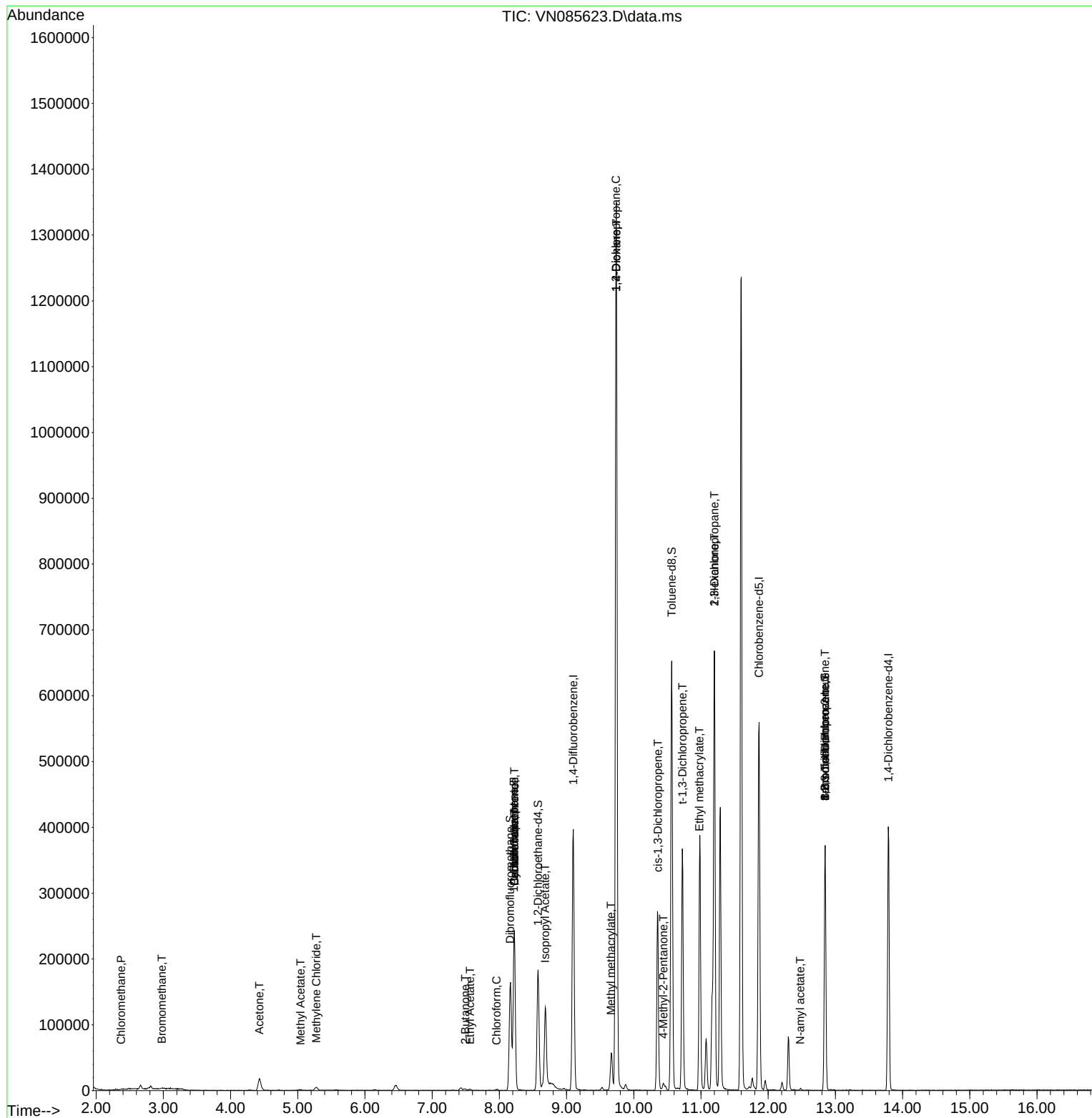
Internal Standards						
1) Pentafluorobenzene	8.224	168	168602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	337667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	322246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143006	52.545	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.100%			
35) Dibromofluoromethane	8.159	113	119014	50.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	10.565	98	450085	54.076	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.160%			
62) 4-Bromofluorobenzene	12.847	95	121921	42.822	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.640%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	560	0.227	ug/l #	41
5) Bromomethane	2.977	94	435	0.290	ug/l	84
16) Acetone	4.430	43	33846	38.489	ug/l	99
18) Methyl Acetate	5.042	43	2403	0.899	ug/l #	66
20) Methylene Chloride	5.277	84	3822	1.756	ug/l #	84
25) 2-Butanone	7.494	43	4315	3.334	ug/l #	86
30) Chloroform	7.959	83	1703	0.415	ug/l	85
31) Cyclohexane	8.224	56	4576	1.325	ug/l #	46
36) 1,1-Dichloropropene	8.218	75	15620	4.751	ug/l #	49
37) Ethyl Acetate	7.565	43	3266	0.984	ug/l #	77
38) Carbon Tetrachloride	8.224	117	18428	4.896	ug/l #	18
43) Isopropyl Acetate	8.683	43	144960	27.261	ug/l #	89
45) 1,2-Dichloropropane	9.735	63	1752	0.694	ug/l #	43
48) Methyl methacrylate	9.659	41	3909	1.634	ug/l #	46
49) 1,4-Dioxane	9.741	88	138	3.425	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	6411	2.078	ug/l	91
53) t-1,3-Dichloropropene	10.724	75	879	0.251	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	47186	12.602	ug/l #	68
56) Ethyl methacrylate	10.977	69	2120	2.465	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7305	1.855	ug/l #	43
59) 2-Hexanone	11.200	43	74176	34.164	ug/l #	62
71) Bromoform	12.847	173	1120	0.604	ug/l #	1
74) N-amyl acetate	12.476	43	1431	0.434	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	65227	29.541	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65227	79.926	ug/l #	3

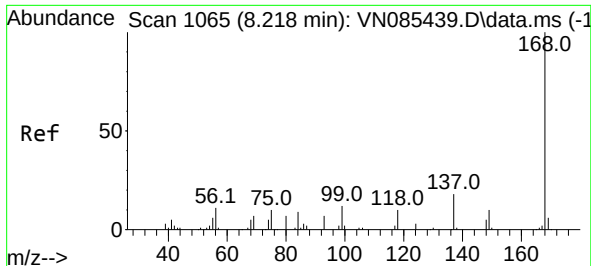
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 04 00:58:53 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

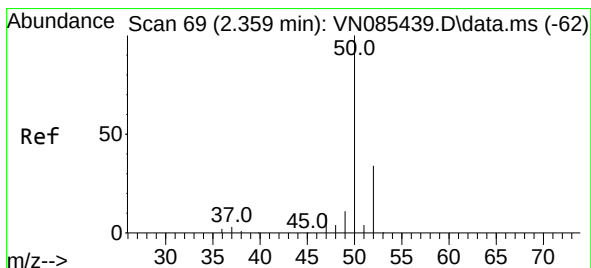
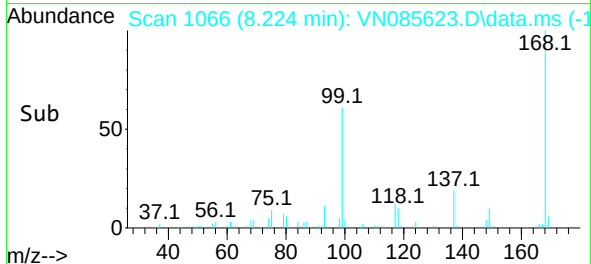
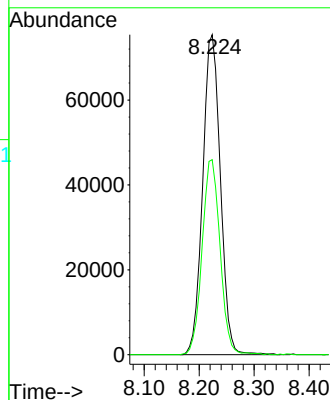
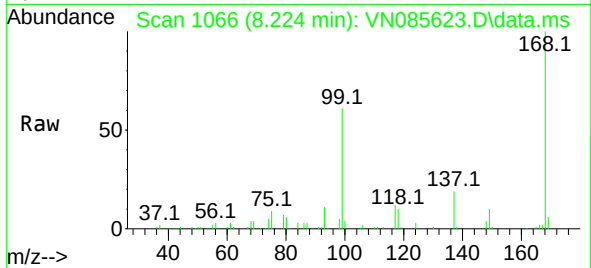




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

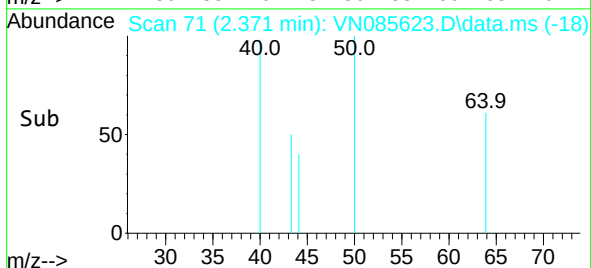
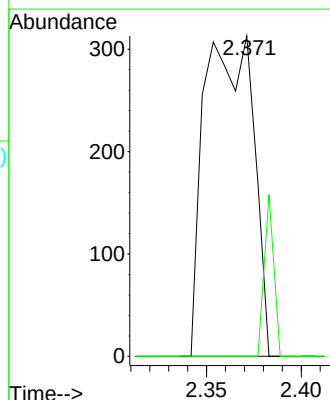
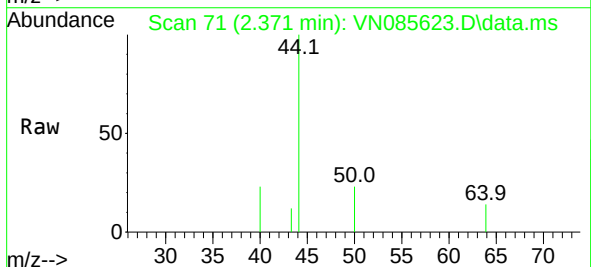
Instrument :
MSVOA_N
ClientSampleId :

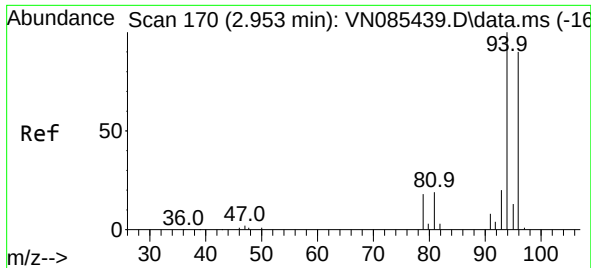
Tgt Ion:168 Resp: 168602
Ion Ratio Lower Upper
168 100
99 60.9 53.6 80.4



#3
Chloromethane
Concen: 0.227 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

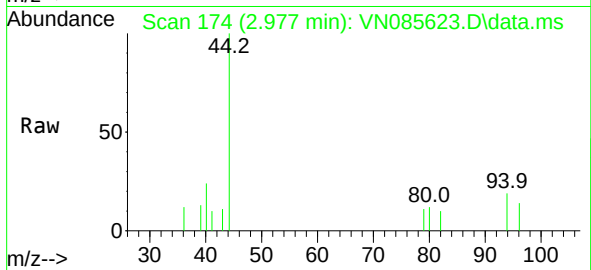
Tgt Ion: 50 Resp: 560
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#



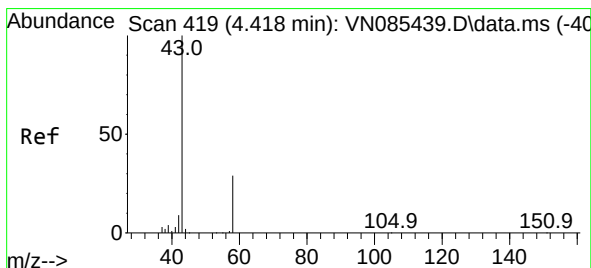
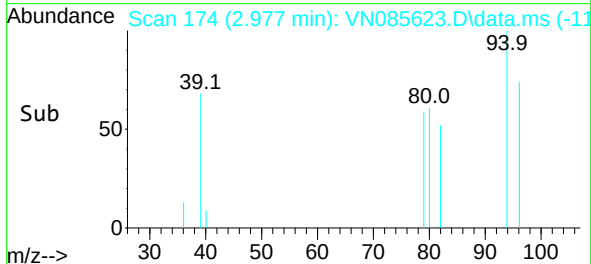
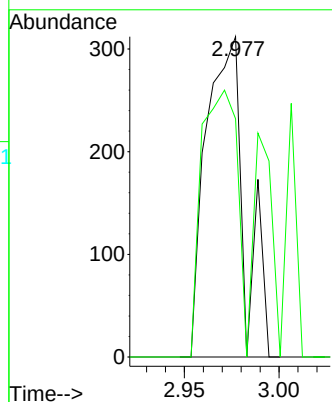


#5
Bromomethane
Concen: 0.290 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

Instrument :
MSVOA_N
ClientSampleId :

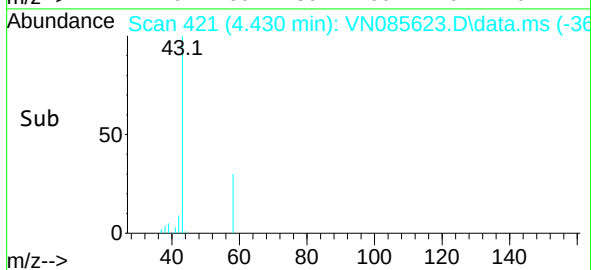
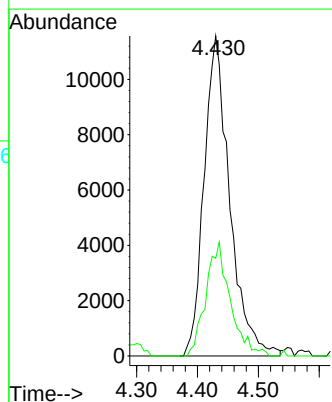
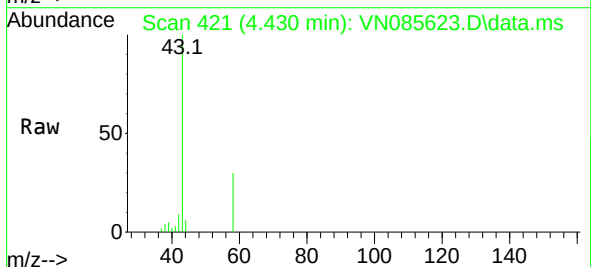


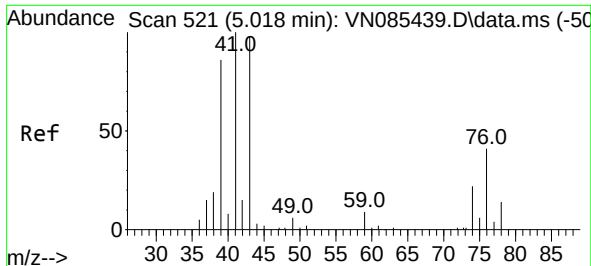
Tgt Ion: 94 Resp: 435
Ion Ratio Lower Upper
94 100
96 74.4 71.8 107.6



#16
Acetone
Concen: 38.489 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

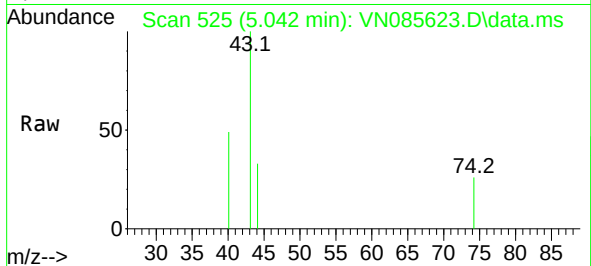
Tgt Ion: 43 Resp: 33846
Ion Ratio Lower Upper
43 100
58 30.5 23.8 35.6



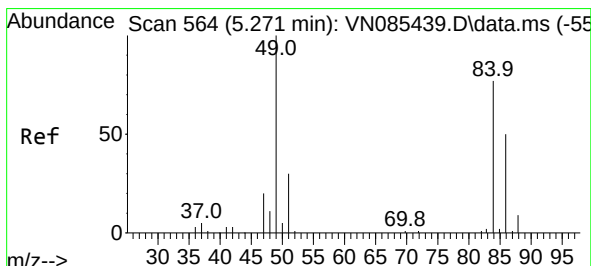
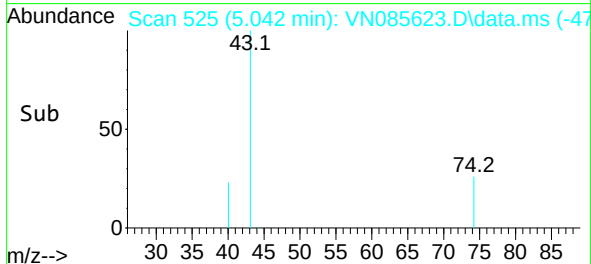
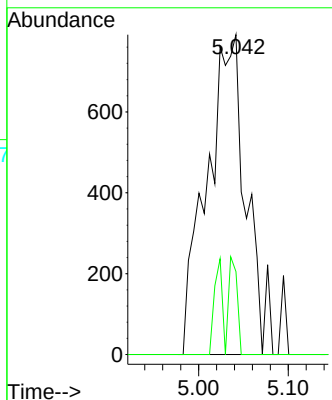


#18
Methyl Acetate
Concen: 0.899 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

Instrument :
MSVOA_N
ClientSampleId :

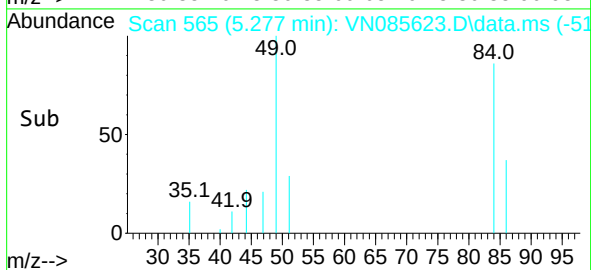
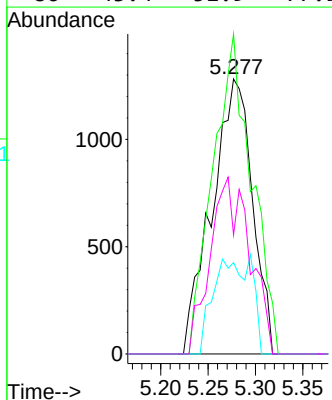
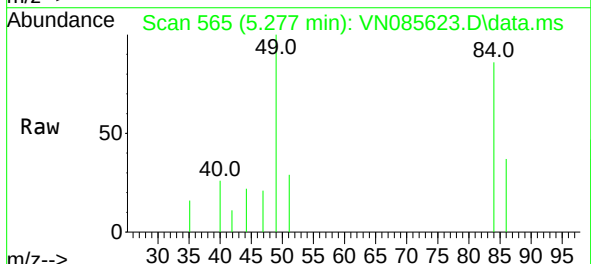


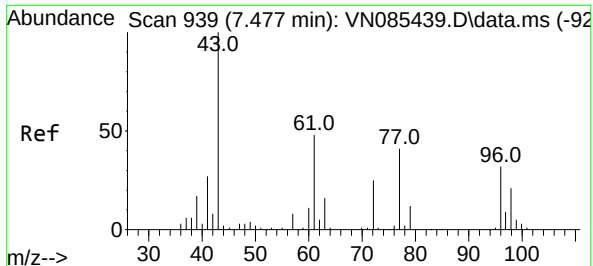
Tgt Ion: 43 Resp: 2403
Ion Ratio Lower Upper
43 100
74 6.6 18.6 28.0#



#20
Methylene Chloride
Concen: 1.756 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

Tgt Ion: 84 Resp: 3822
Ion Ratio Lower Upper
84 100
49 116.4 104.1 156.1
51 33.2 31.0 46.4
86 43.4 51.9 77.9#

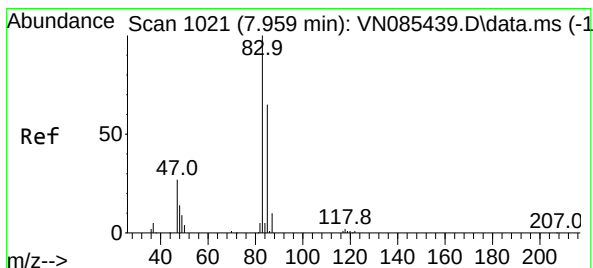
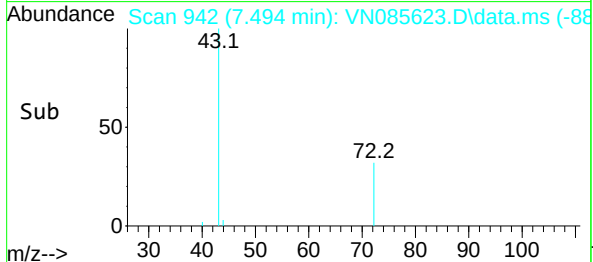
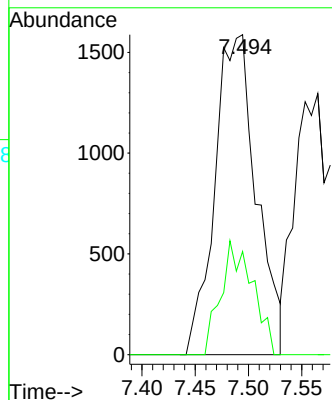
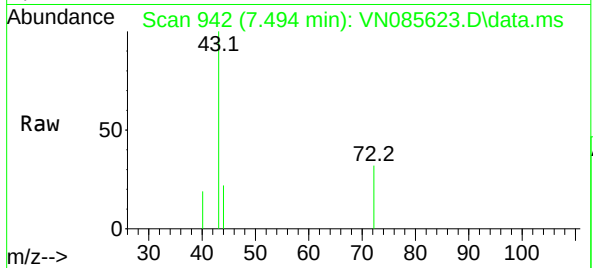




#25
2-Butanone
Concen: 3.334 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

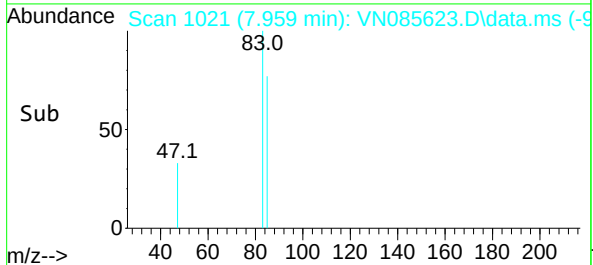
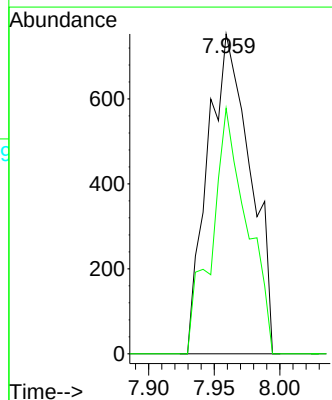
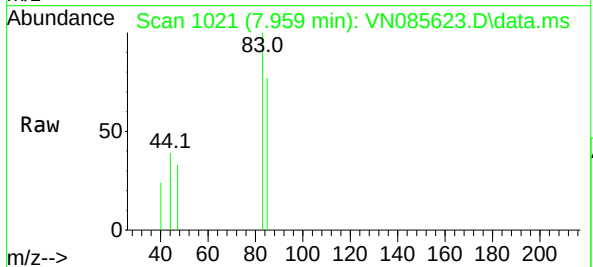
Instrument :
MSVOA_N
ClientSampleId :

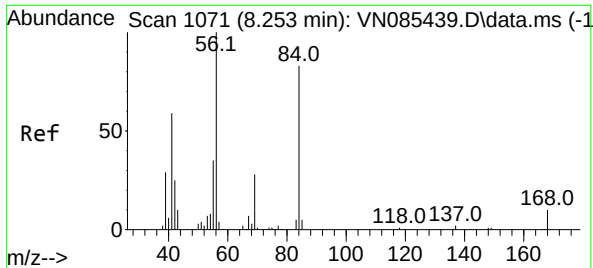
Tgt Ion: 43 Resp: 4315
Ion Ratio Lower Upper
43 100
72 32.2 20.2 30.4#



#30
Chloroform
Concen: 0.415 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

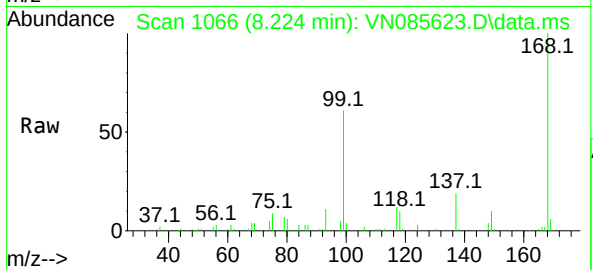
Tgt Ion: 83 Resp: 1703
Ion Ratio Lower Upper
83 100
85 76.8 51.8 77.6



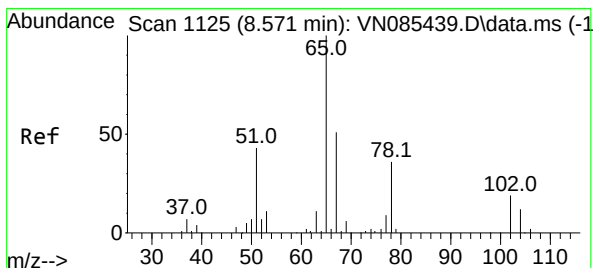
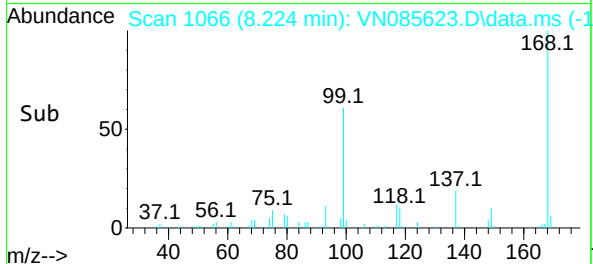
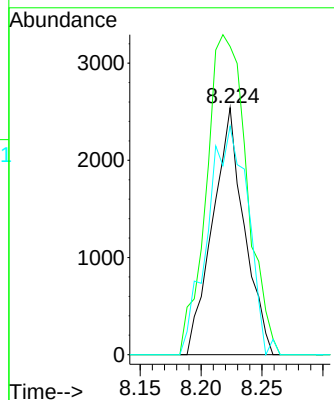


#31
Cyclohexane
Concen: 1.325 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

Instrument :
MSVOA_N
ClientSampleId :

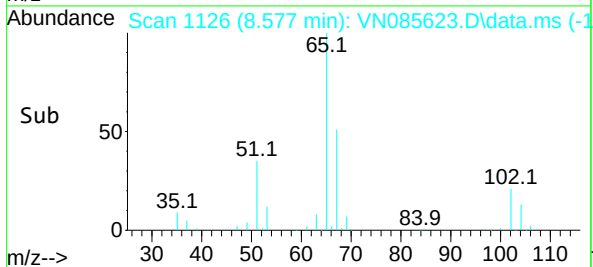
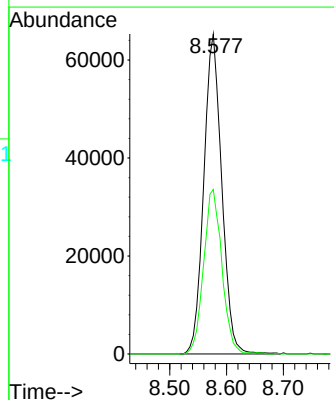
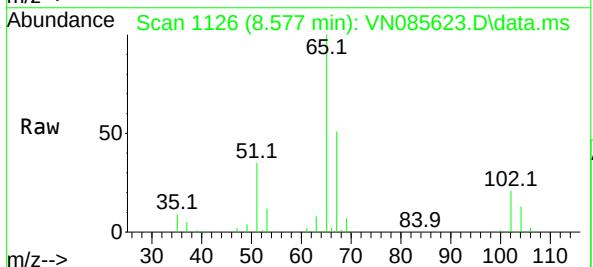


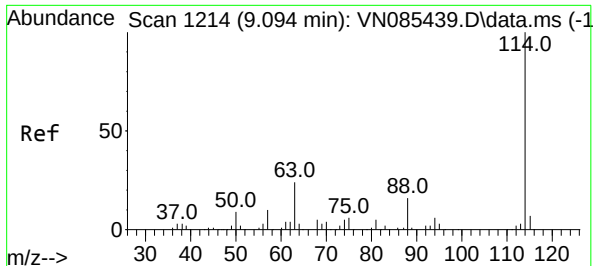
Tgt Ion: 56 Resp: 4576
Ion Ratio Lower Upper
56 100
69 124.7 22.2 33.4#
84 92.4 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 52.545 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

Tgt Ion: 65 Resp: 143006
Ion Ratio Lower Upper
65 100
67 52.4 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: VN085623.D

Acq: 03 Feb 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

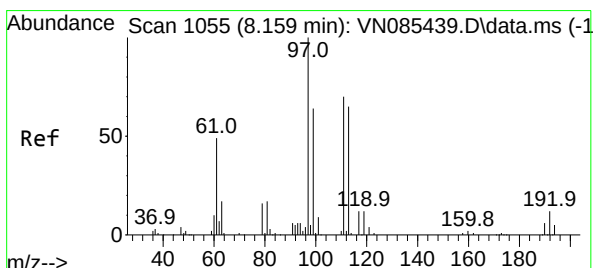
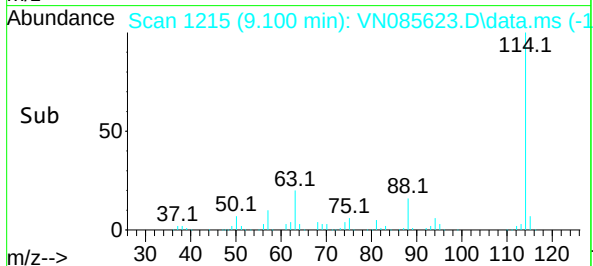
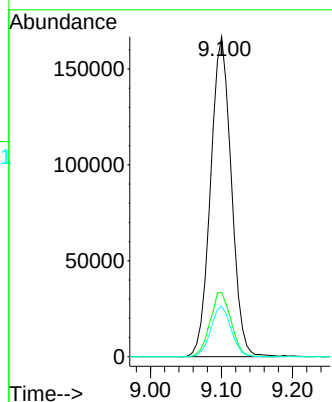
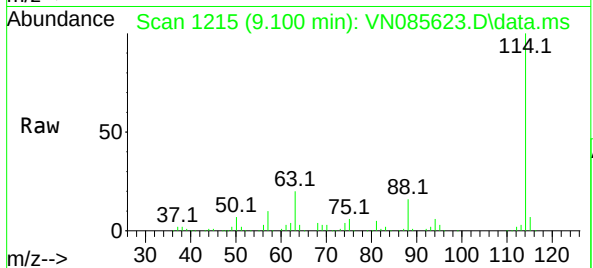
Tgt Ion:114 Resp: 337667

Ion Ratio Lower Upper

114 100

63 20.1 0.0 47.6

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.805 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085623.D

Acq: 03 Feb 2025 15:36

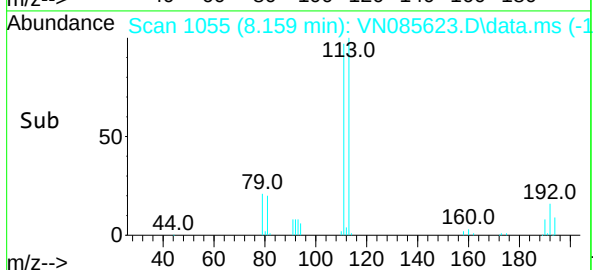
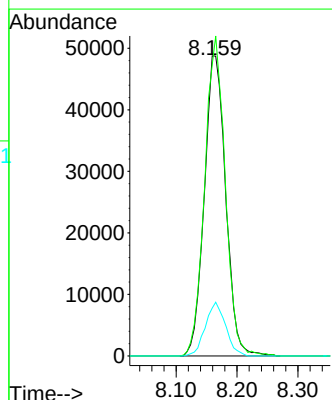
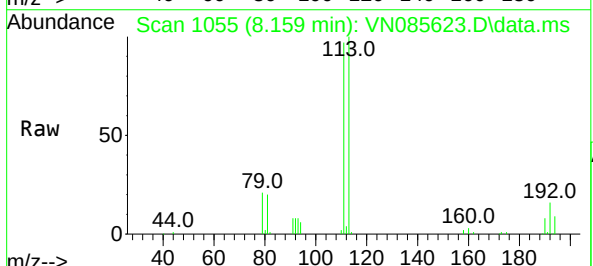
Tgt Ion:113 Resp: 119014

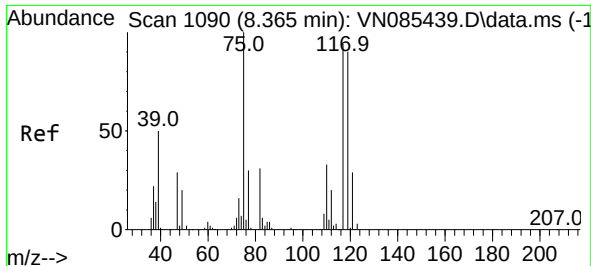
Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

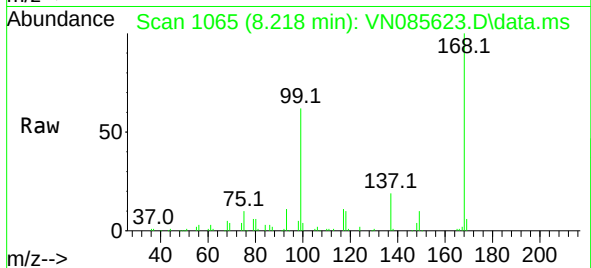
192 17.0 14.3 21.5



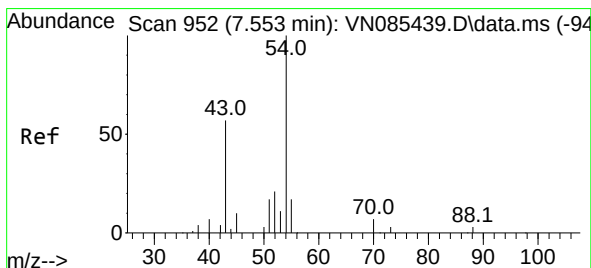
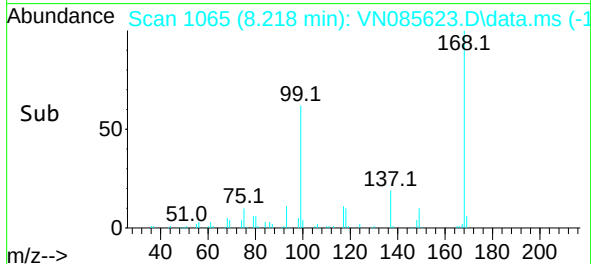
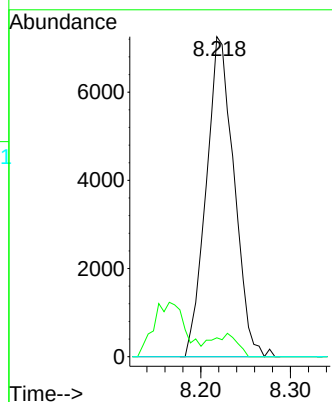


#36
1,1-Dichloropropene
Concen: 4.751 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

Instrument :
MSVOA_N
ClientSampleId :

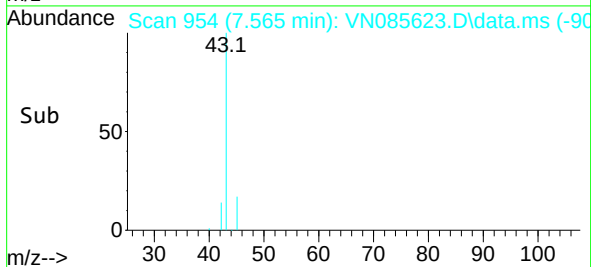
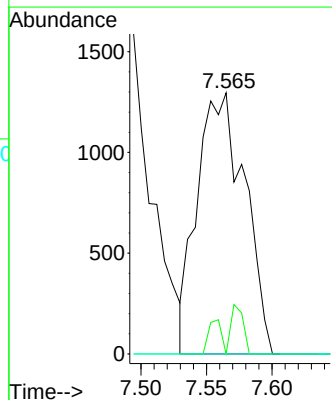
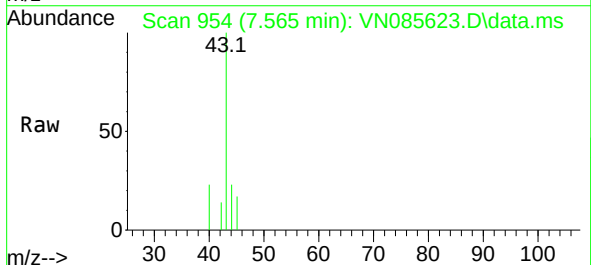


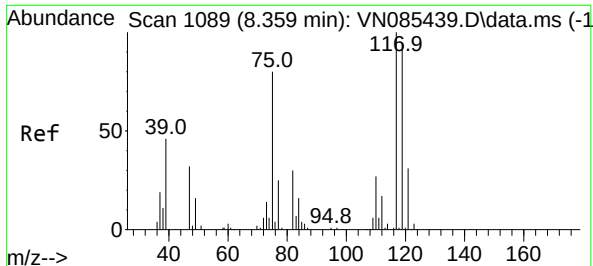
Tgt Ion: 75 Resp: 15620
Ion Ratio Lower Upper
75 100
110 6.8 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.984 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.012 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

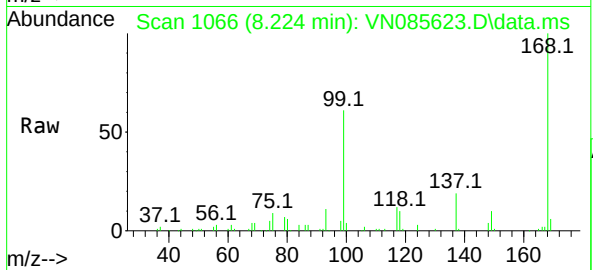
Tgt Ion: 43 Resp: 3266
Ion Ratio Lower Upper
43 100
61 4.8 10.9 16.3#
70 0.0 7.5 11.3#



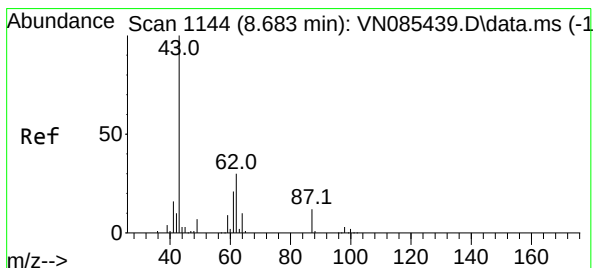
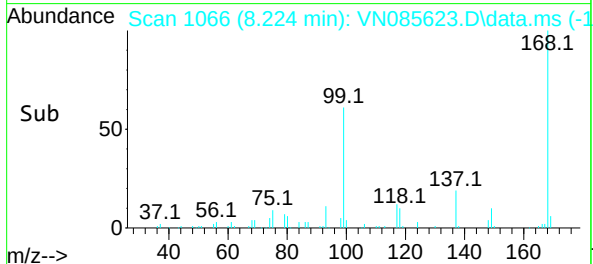
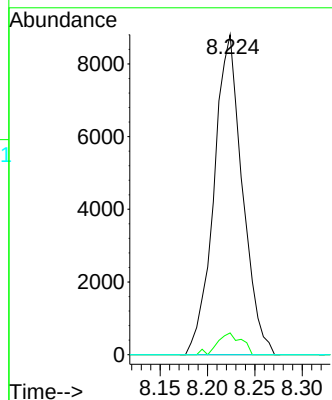


#38
Carbon Tetrachloride
Concen: 4.896 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

Instrument :
MSVOA_N
ClientSampleId :

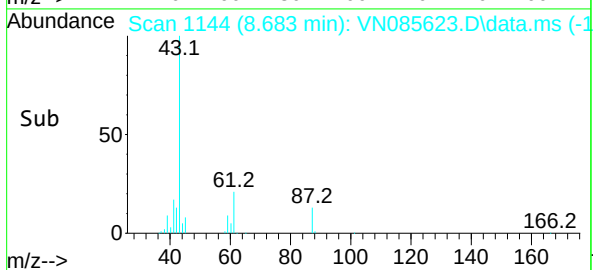
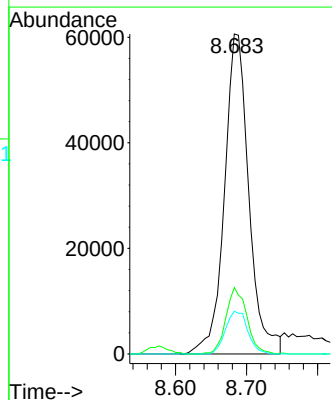
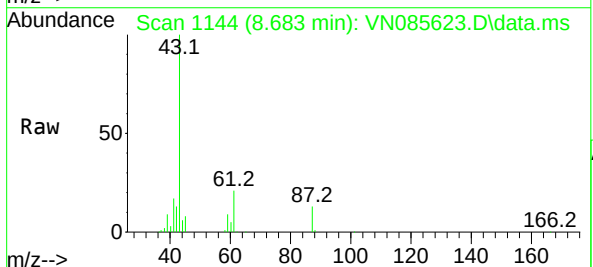


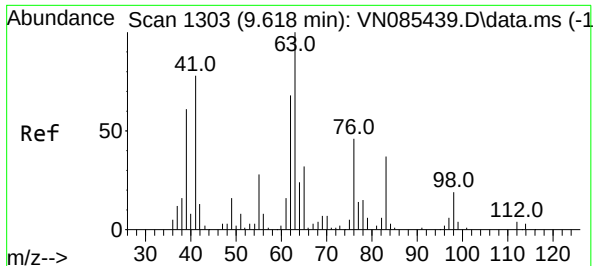
Tgt Ion:117 Resp: 18428
Ion Ratio Lower Upper
117 100
119 6.8 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 27.261 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

Tgt Ion: 43 Resp: 144960
Ion Ratio Lower Upper
43 100
61 17.7 20.7 31.1#
87 12.1 9.8 14.8





#45

1,2-Dichloropropane

Concen: 0.694 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085623.D

Acq: 03 Feb 2025 15:36

Instrument :

MSVOA_N

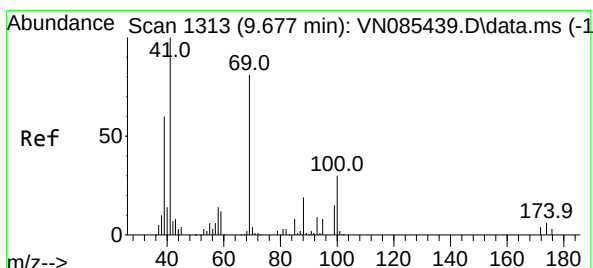
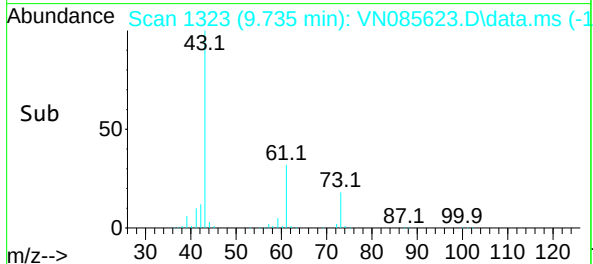
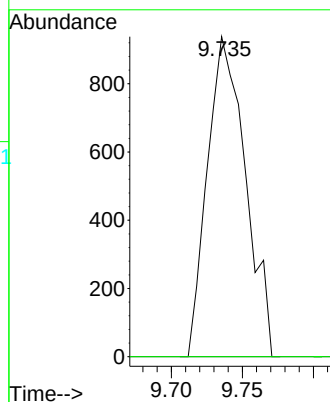
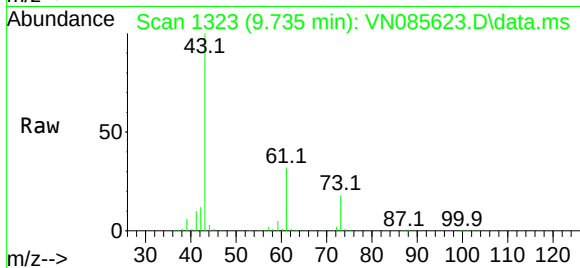
ClientSampleId :

Tgt Ion: 63 Resp: 1752

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 1.634 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN085623.D

Acq: 03 Feb 2025 15:36

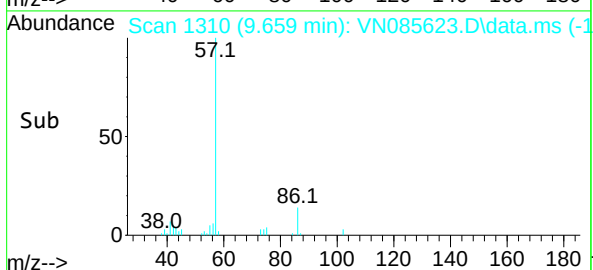
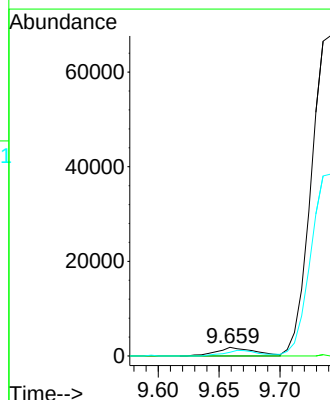
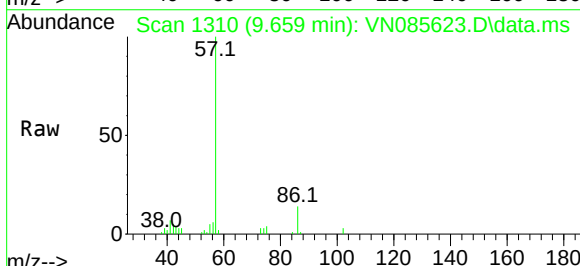
Tgt Ion: 41 Resp: 3909

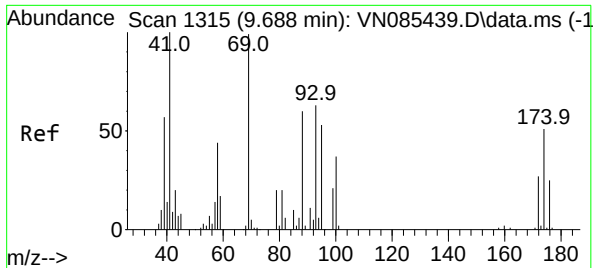
Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 57.5 49.0 73.6





#49

1,4-Dioxane

Concen: 3.425 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN085623.D

Acq: 03 Feb 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

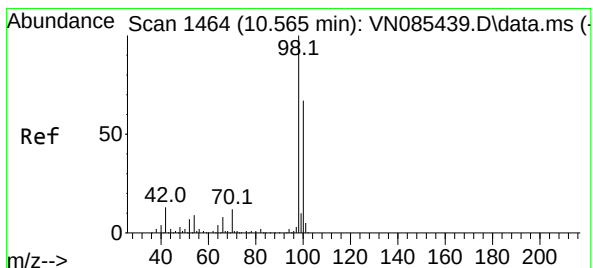
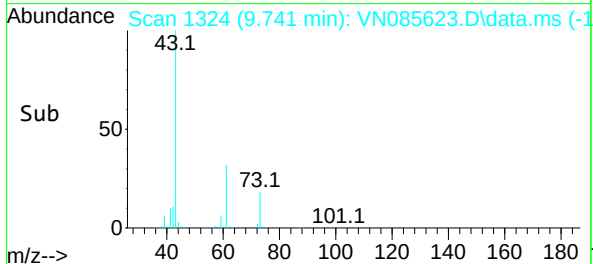
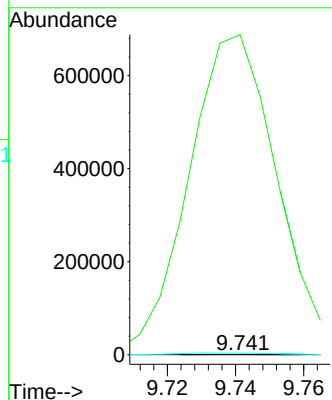
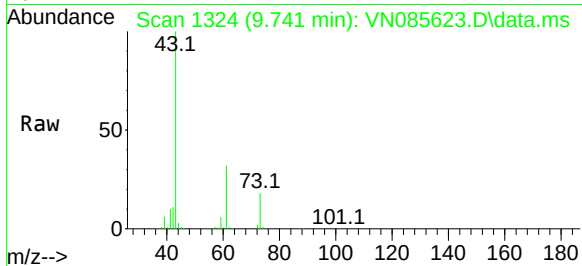
Tgt Ion: 88 Resp: 138

Ion Ratio Lower Upper

88 100

43 908564.5 26.6 39.8#

58 5427.5 59.5 89.3#



#50

Toluene-d8

Concen: 54.076 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085623.D

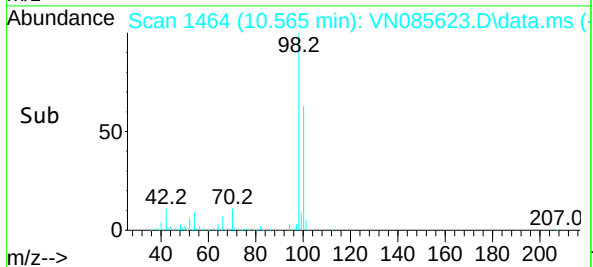
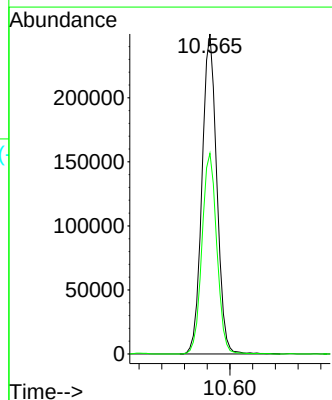
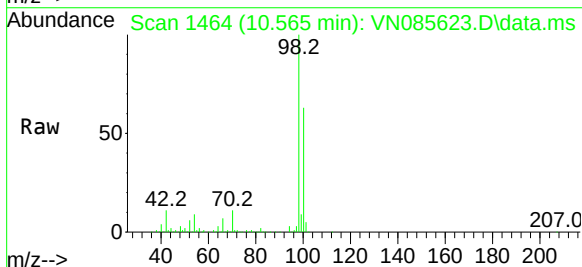
Acq: 03 Feb 2025 15:36

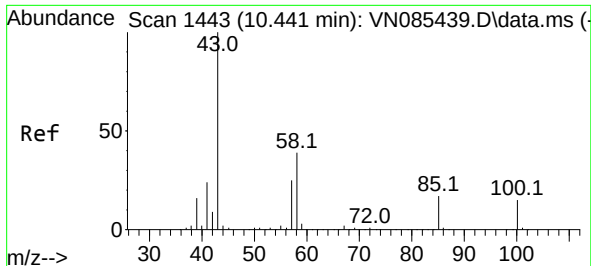
Tgt Ion: 98 Resp: 450085

Ion Ratio Lower Upper

98 100

100 63.1 52.2 78.4

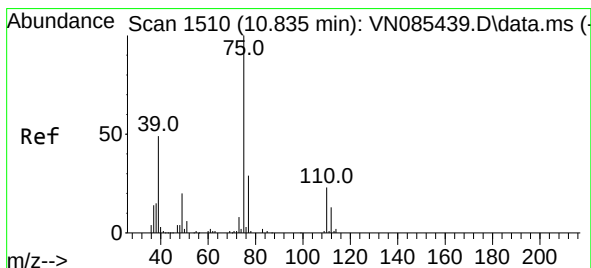
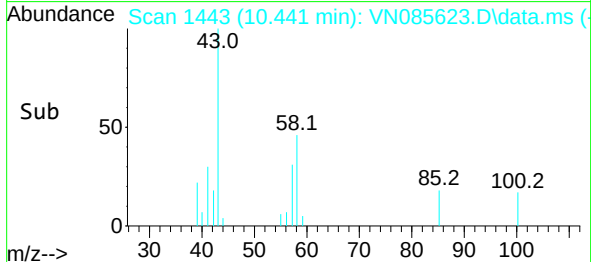
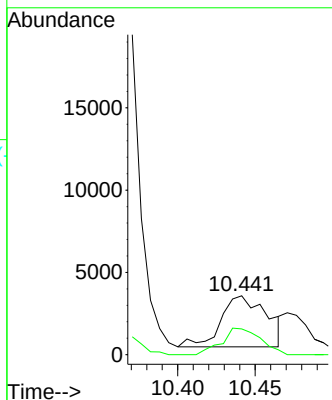
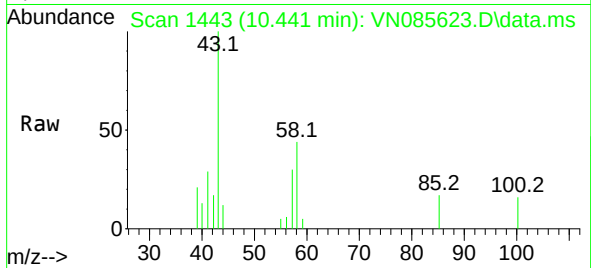




#51
4-Methyl-2-Pentanone
Concen: 2.078 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

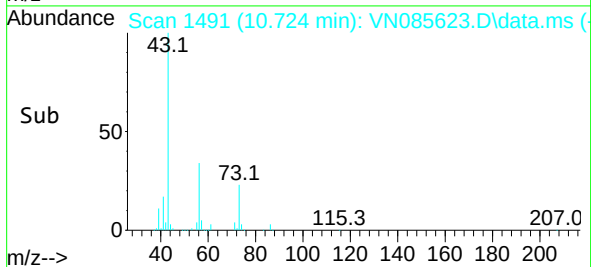
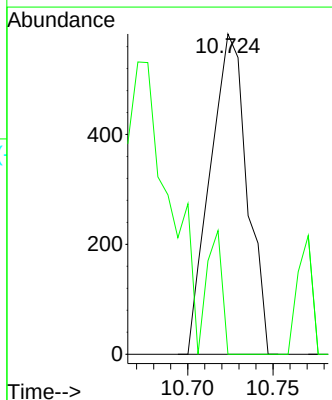
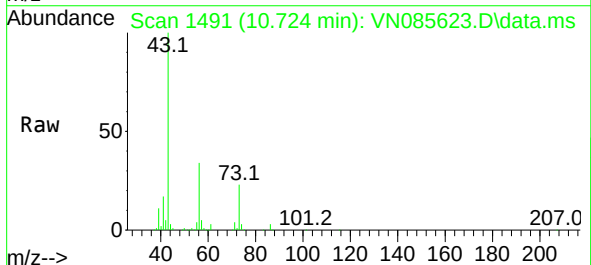
Instrument :
MSVOA_N
ClientSampleId :

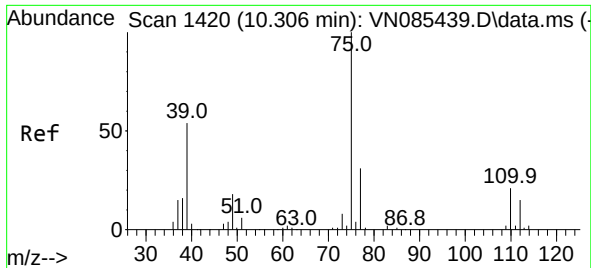
Tgt Ion: 43 Resp: 6411
Ion Ratio Lower Upper
43 100
58 43.6 30.5 45.7



#53
t-1,3-Dichloropropene
Concen: 0.251 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

Tgt Ion: 75 Resp: 879
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#

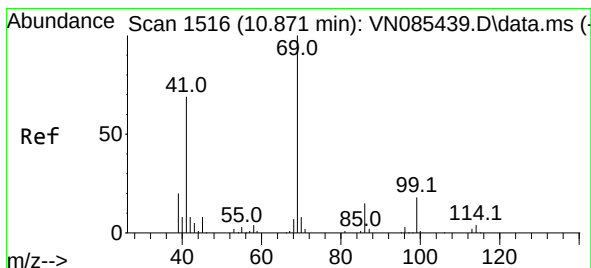
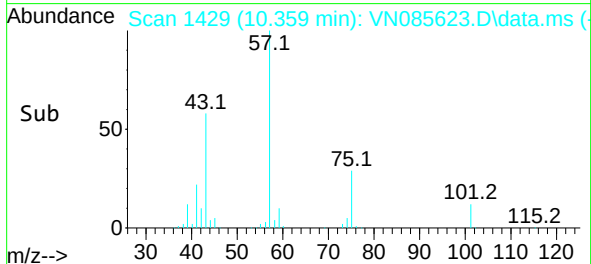
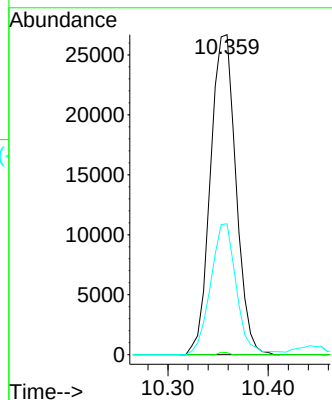
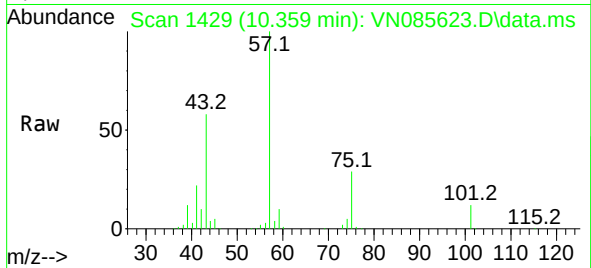




#54
cis-1,3-Dichloropropene
Concen: 12.602 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

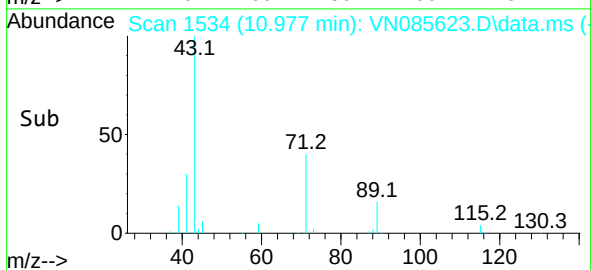
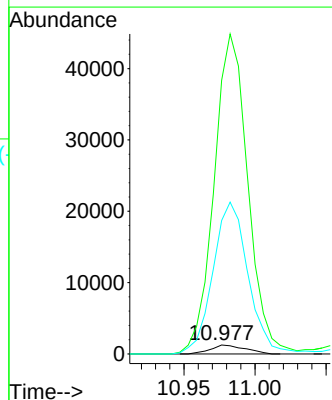
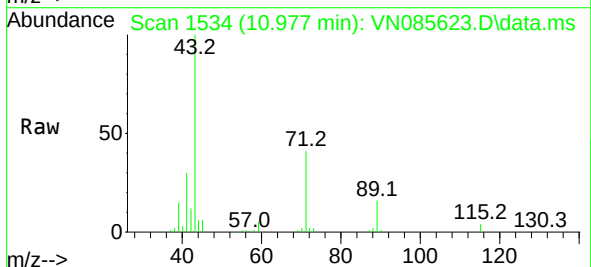
Instrument :
MSVOA_N
ClientSampleId :

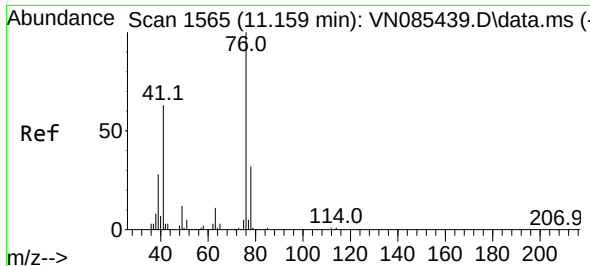
Tgt Ion: 75 Resp: 47186
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 40.9 43.1 64.7#



#56
Ethyl methacrylate
Concen: 2.465 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

Tgt Ion: 69 Resp: 2120
Ion Ratio Lower Upper
69 100
41 3502.0 54.6 82.0#
39 1740.1 32.4 48.6#

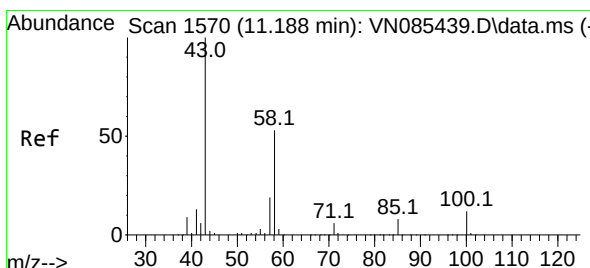
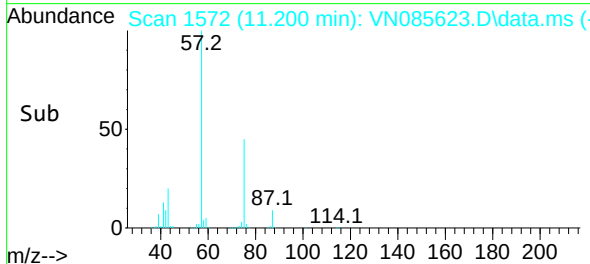
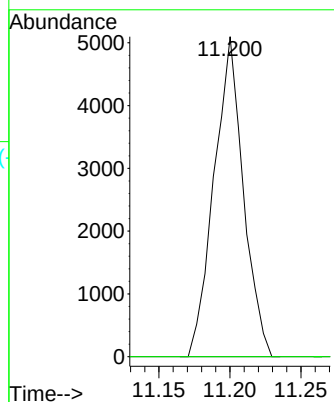
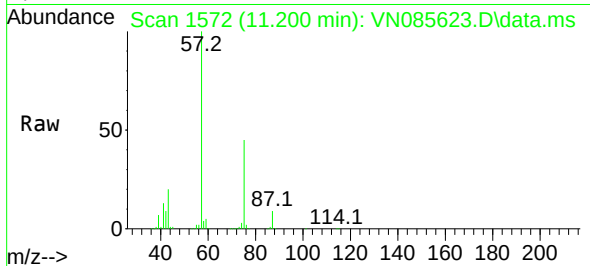




#57
1,3-Dichloropropane
Concen: 1.855 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

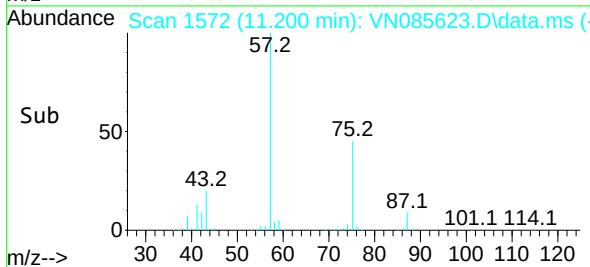
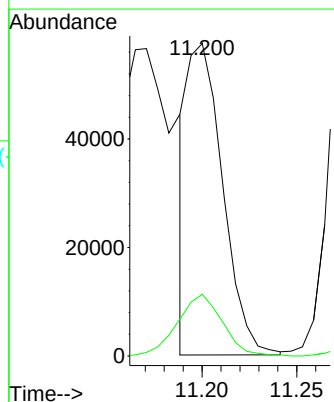
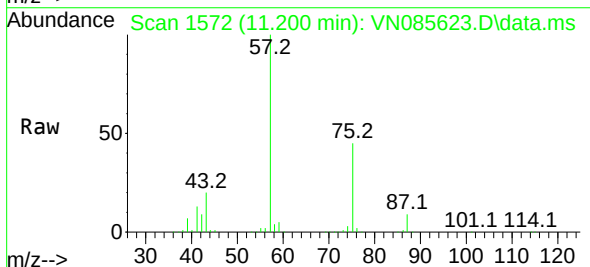
Instrument :
MSVOA_N
ClientSampleId :

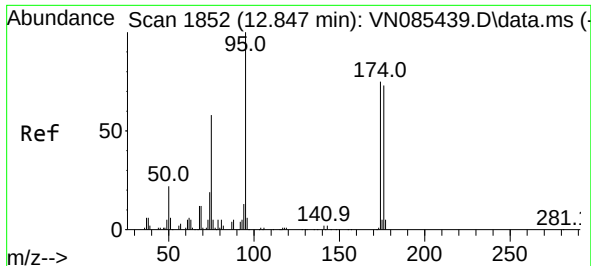
Tgt Ion: 76 Resp: 7305
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 34.164 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.012 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

Tgt Ion: 43 Resp: 74176
Ion Ratio Lower Upper
43 100
58 25.4 26.2 78.6#

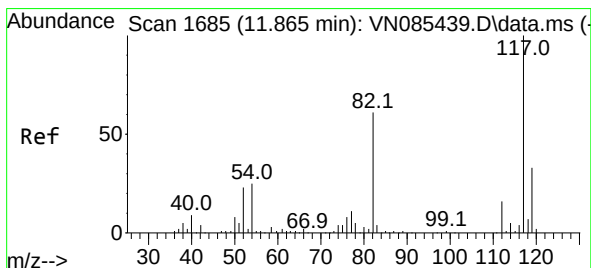
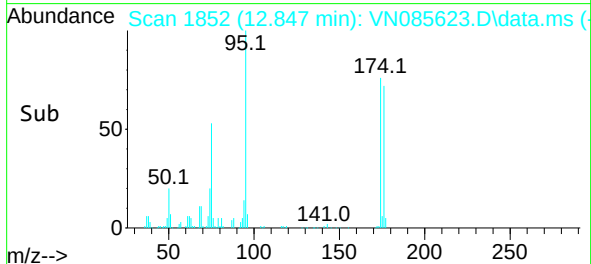
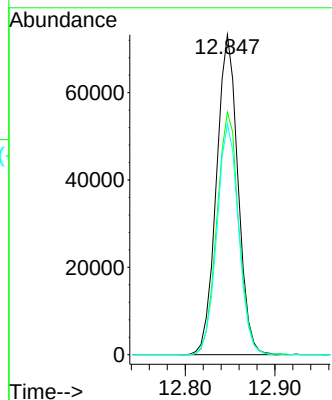
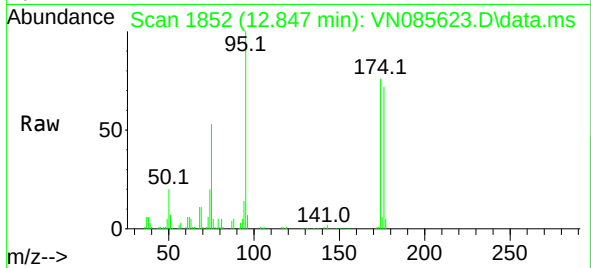




#62
4-Bromofluorobenzene
Concen: 42.822 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

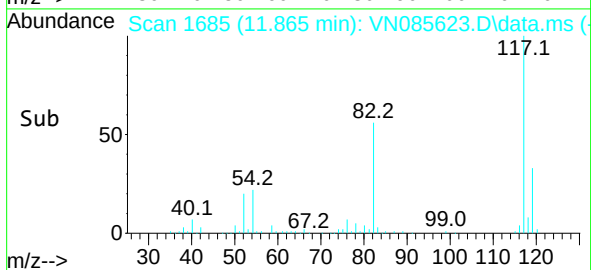
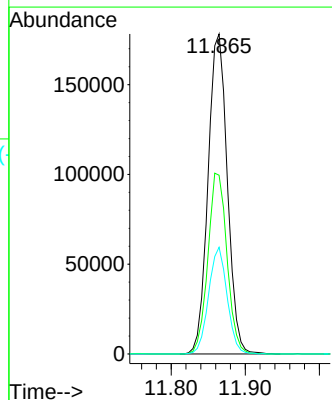
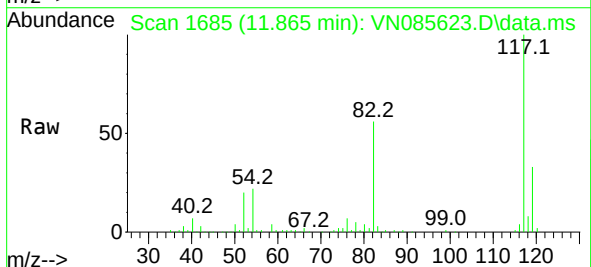
Instrument :
MSVOA_N
ClientSampleId :

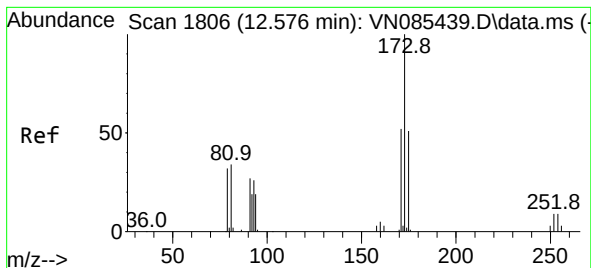
Tgt Ion: 95 Resp: 121921
Ion Ratio Lower Upper
95 100
174 77.3 0.0 145.0
176 72.6 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085623.D
Acq: 03 Feb 2025 15:36

Tgt Ion: 117 Resp: 322246
Ion Ratio Lower Upper
117 100
82 55.9 48.6 72.8
119 33.4 26.6 39.8





#71

Bromoform

Concen: 0.604 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN085623.D

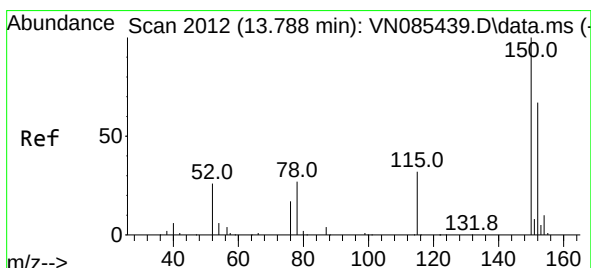
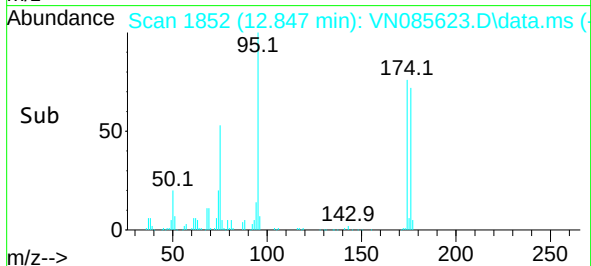
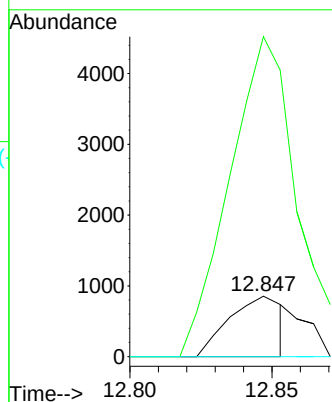
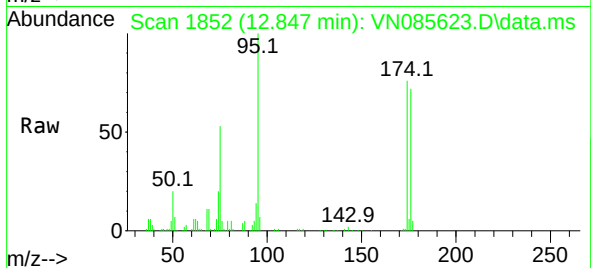
Acq: 03 Feb 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1120
 Ion Ratio Lower Upper
 173 100
 175 531.1 24.4 73.2#
 254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

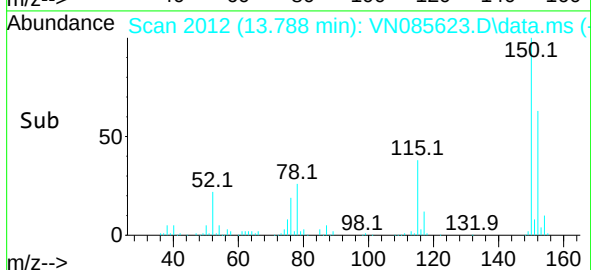
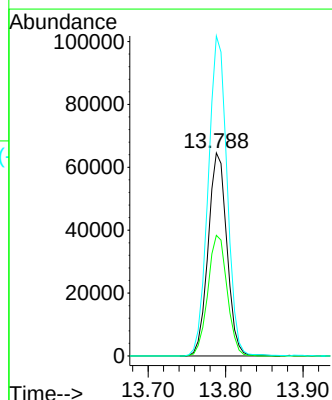
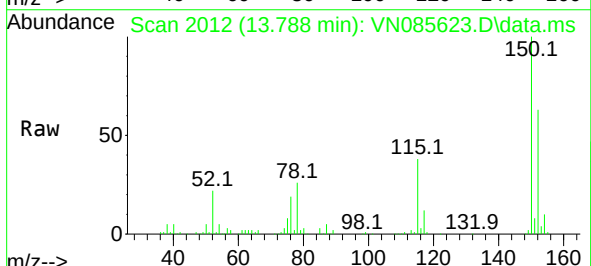
RT: 13.788 min Scan# 2012

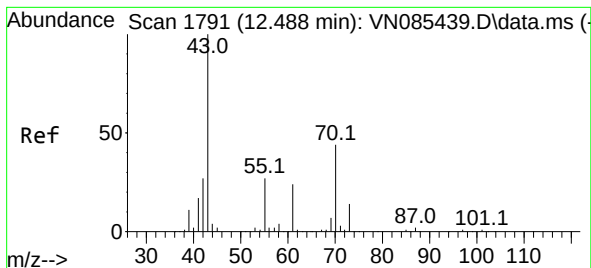
Delta R.T. 0.000 min

Lab File: VN085623.D

Acq: 03 Feb 2025 15:36

Tgt Ion:152 Resp: 108633
 Ion Ratio Lower Upper
 152 100
 115 61.0 31.1 93.3
 150 158.8 0.0 343.6





#74

N-amy1 acetate

Concen: 0.434 ug/l

RT: 12.476 min Scan# 1

Delta R.T. -0.012 min

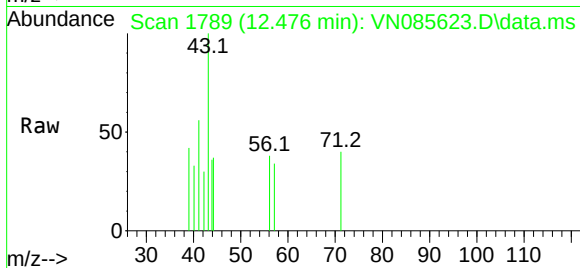
Lab File: VN085623.D

Acq: 03 Feb 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1431

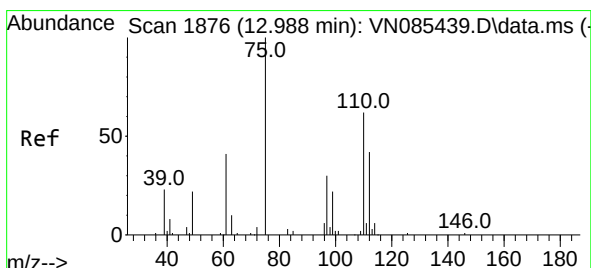
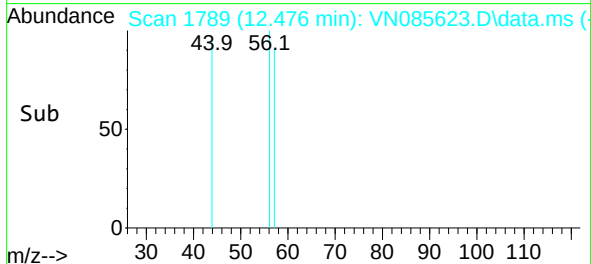
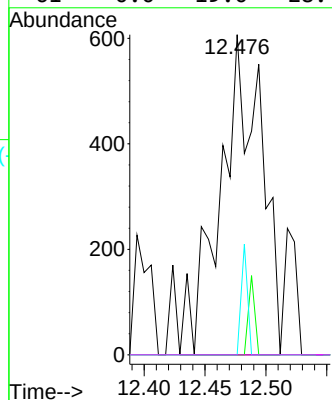
Ion Ratio Lower Upper

43 100

70 3.7 34.0 51.0#

55 5.2 21.4 32.2#

61 0.0 19.0 28.4#



#76

1,2,3-Trichloropropane

Concen: 29.541 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085623.D

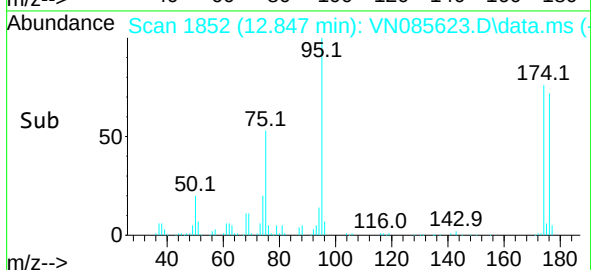
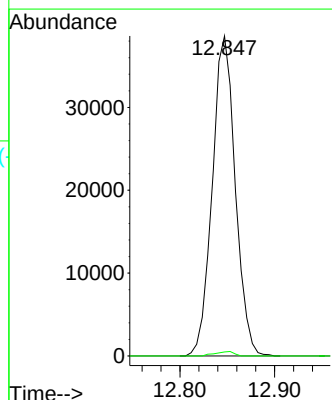
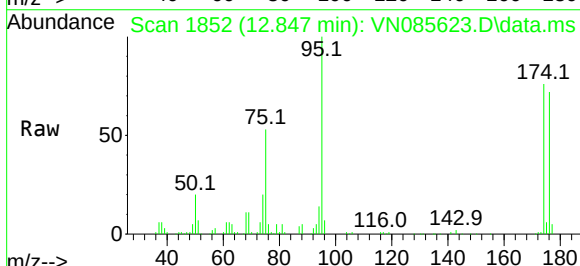
Acq: 03 Feb 2025 15:36

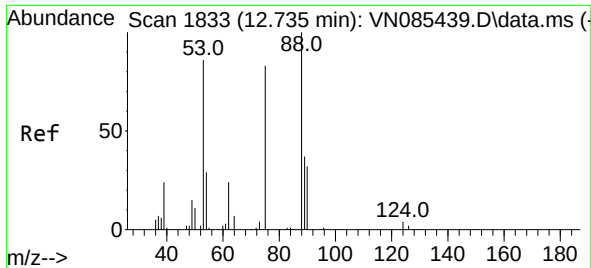
Tgt Ion: 75 Resp: 65227

Ion Ratio Lower Upper

75 100

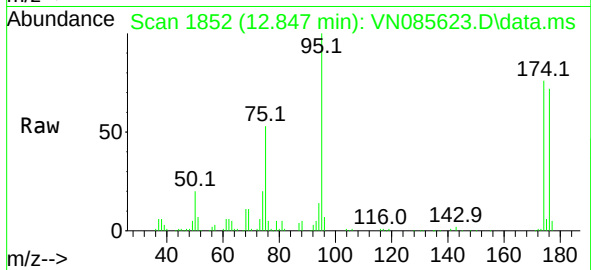
77 1.1 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.926 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085623.D
 Acq: 03 Feb 2025 15:36

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 65227
 Ion Ratio Lower Upper
 75 100
 53 0.2 95.6 143.4#
 89 0.0 37.0 55.6#

