

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085634.D
 Acq On : 03 Feb 2025 20:02
 Operator : JC\MD
 Sample : Q1241-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 01:00:34 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)

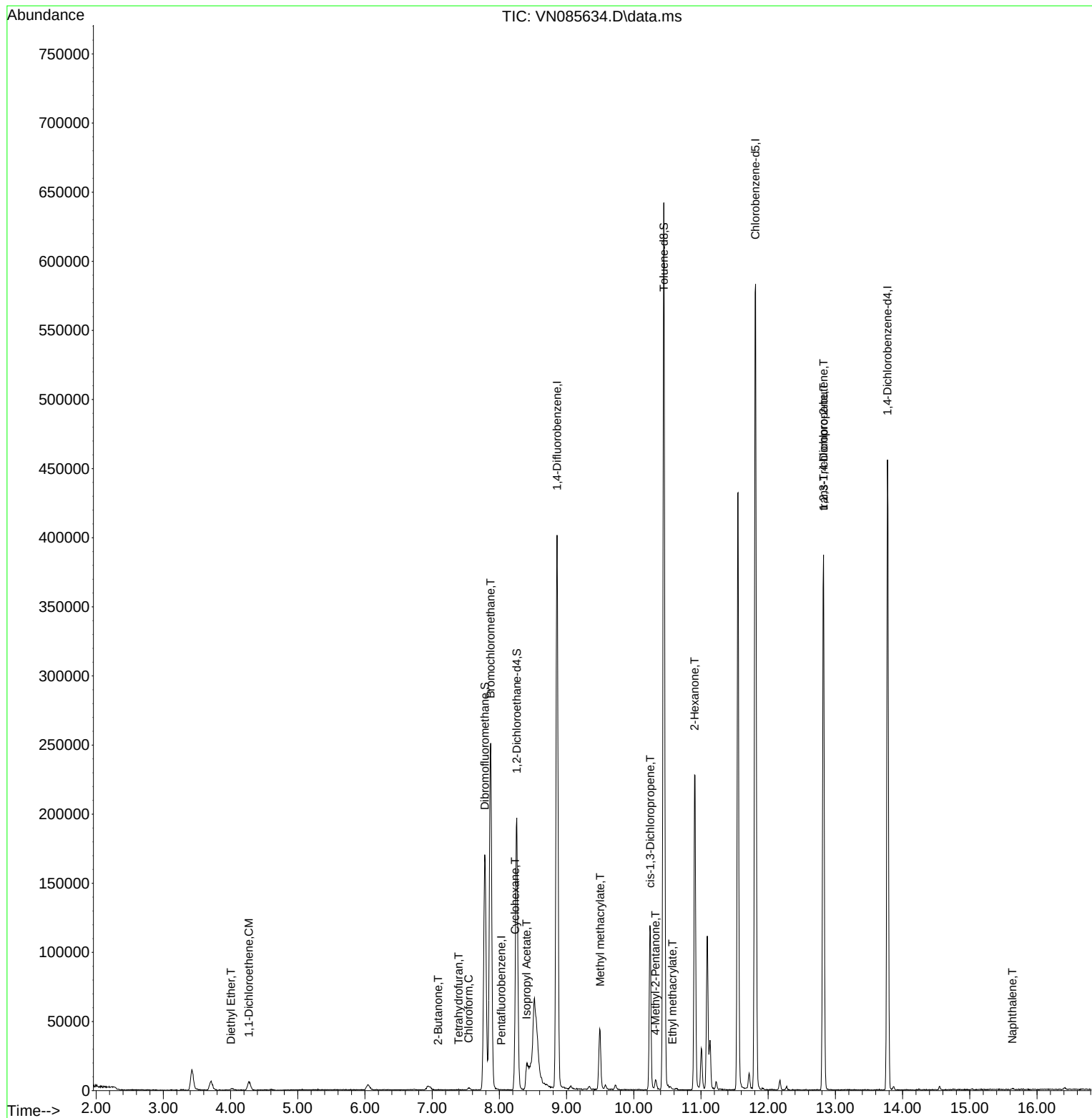
Internal Standards						
1) Pentafluorobenzene	8.029	168	66	50.000	ug/l	#-0.19
34) 1,4-Difluorobenzene	8.859	114	364470	50.000	ug/l	-0.24
63) Chlorobenzene-d5	11.812	117	311805	50.000	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	13.776	152	119474	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.259	65	167760	157465.495	ug/l	-0.31
Spiked Amount	50.000	Range	74 - 125	Recovery	= 314930.980%#	
35) Dibromofluoromethane	7.782	113	134150	53.055	ug/l	-0.38
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.100%	
50) Toluene-d8	10.447	98	449937	50.083	ug/l	-0.12
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.160%	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	= 0.000%#	
Target Compounds						
						Qvalue
8) Diethyl Ether	4.006	74	242	496.427	ug/l #	1
12) 1,1-Dichloroethene	4.271	96	53	74.823	ug/l #	1
25) 2-Butanone	7.088	43	170	335.591	ug/l #	50
28) Bromochloromethane	7.871	49	969	1338.914	ug/l #	19
29) Tetrahydrofuran	7.394	42	201	625.844	ug/l #	34
30) Chloroform	7.541	83	1992	1238.994	ug/l	91
31) Cyclohexane	8.235	56	211	156.057	ug/l #	1
43) Isopropyl Acetate	8.406	43	23759	4.140	ug/l #	67
48) Methyl methacrylate	9.500	41	2016	0.781	ug/l #	38
51) 4-Methyl-2-Pentanone	10.323	43	4149	1.246	ug/l	92
54) cis-1,3-Dichloropropene	10.247	75	21463	5.311	ug/l #	68
56) Ethyl methacrylate	10.576	69	337	2.010	ug/l #	23
59) 2-Hexanone	10.906	43	156026	66.579	ug/l #	27
76) 1,2,3-Trichloropropane	12.823	75	69552	28.642	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	69552	77.492	ug/l #	3
95) Naphthalene	15.635	128	1255	0.234	ug/l #	69

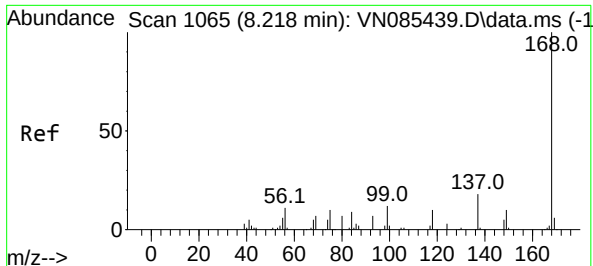
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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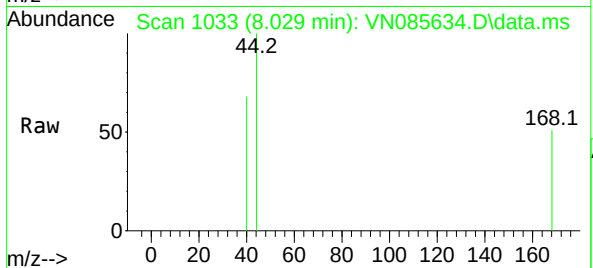
Quant Time: Feb 04 01:00:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



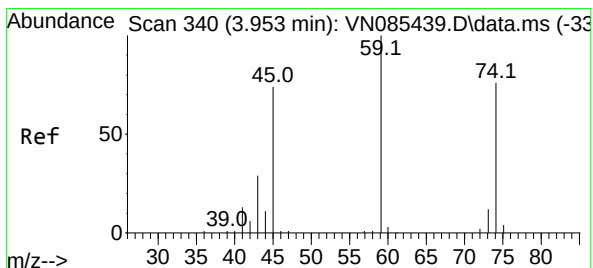
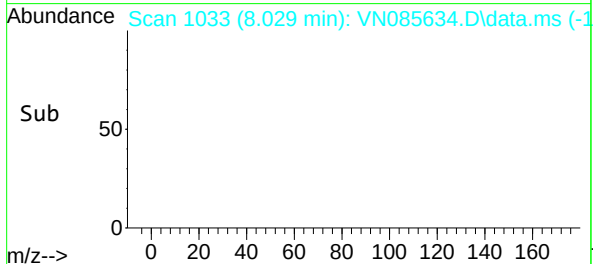
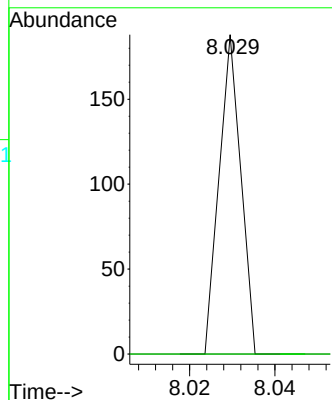


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.029 min Scan# 1065
Delta R.T. -0.189 min
Lab File: VN085634.D
Acq: 03 Feb 2025 20:02

Instrument :
MSVOA_N
ClientSampleId :

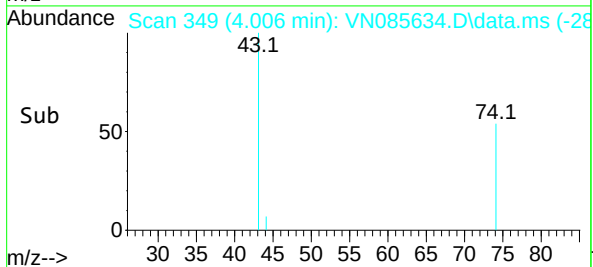
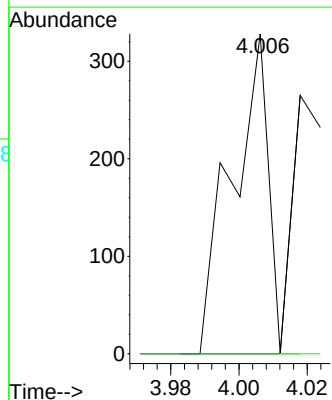
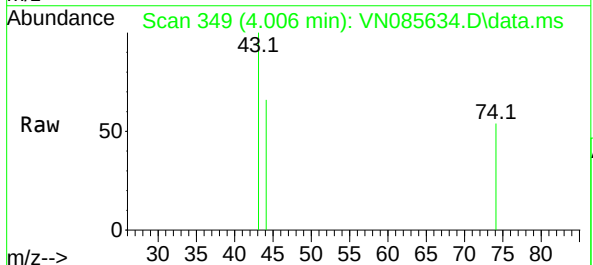


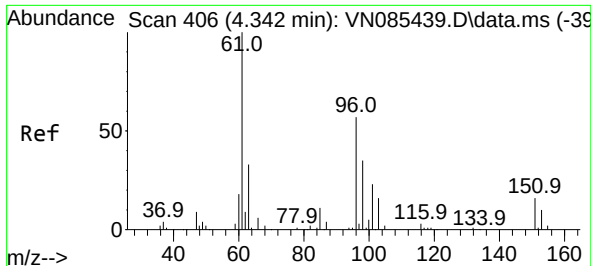
Tgt Ion:168 Resp: 66
Ion Ratio Lower Upper
168 100
99 0.0 53.6 80.4#



#8
Diethyl Ether
Concen: 496.427 ug/l
RT: 4.006 min Scan# 349
Delta R.T. 0.053 min
Lab File: VN085634.D
Acq: 03 Feb 2025 20:02

Tgt Ion: 74 Resp: 242
Ion Ratio Lower Upper
74 100
45 0.0 49.7 149.1#





#12

1,1-Dichloroethene

Concen: 74.823 ug/l

RT: 4.271 min Scan# 394

Delta R.T. -0.071 min

Lab File: VN085634.D

Acq: 03 Feb 2025 20:02

Instrument :

MSVOA_N

ClientSampleId :

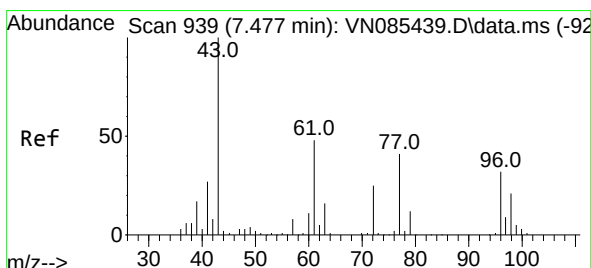
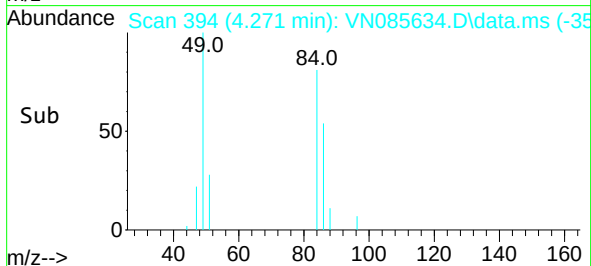
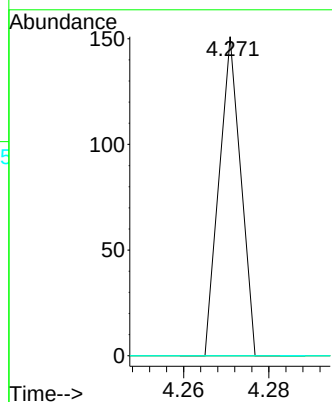
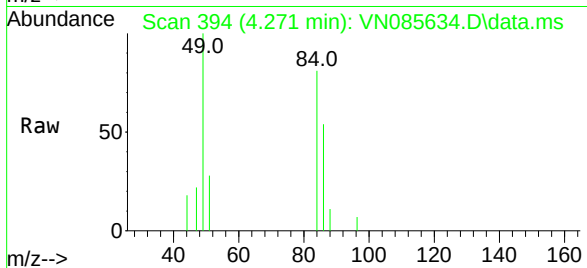
Tgt Ion: 96 Resp: 53

Ion Ratio Lower Upper

96 100

61 0.0 141.0 211.4#

98 0.0 49.0 73.6#



#25

2-Butanone

Concen: 335.591 ug/l

RT: 7.088 min Scan# 873

Delta R.T. -0.388 min

Lab File: VN085634.D

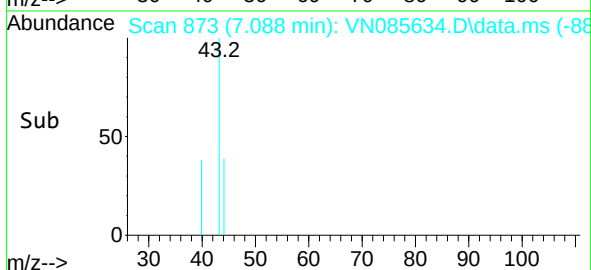
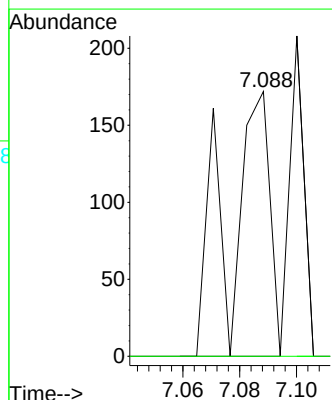
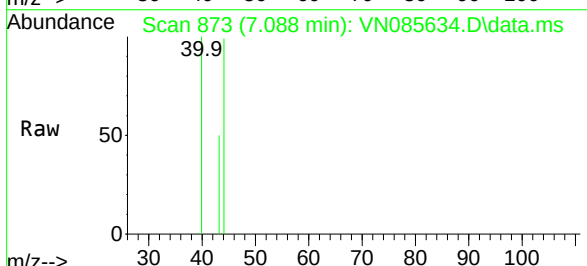
Acq: 03 Feb 2025 20:02

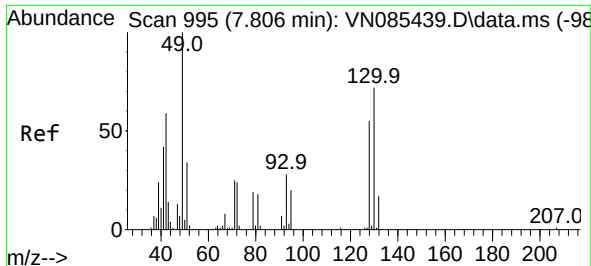
Tgt Ion: 43 Resp: 170

Ion Ratio Lower Upper

43 100

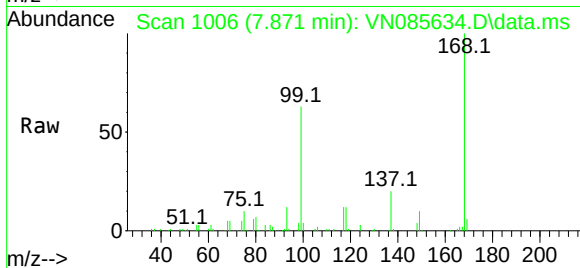
72 0.0 20.2 30.4#



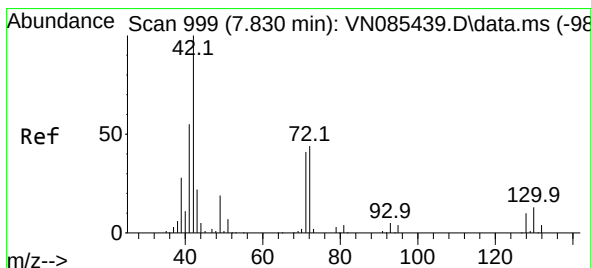
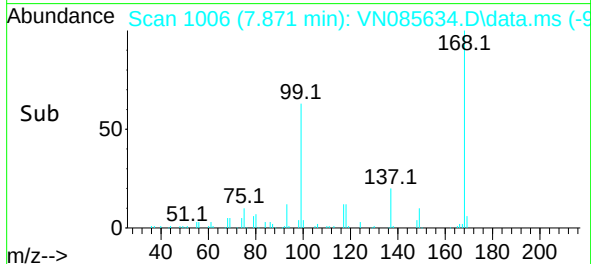
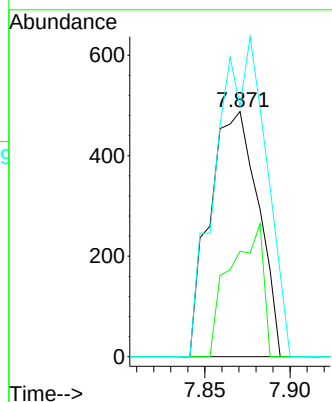


#28
Bromochloromethane
Concen: 1338.914 ug/l
RT: 7.871 min Scan# 1006
Delta R.T. 0.065 min
Lab File: VN085634.D
Acq: 03 Feb 2025 20:02

Instrument :
MSVOA_N
ClientSampleId :

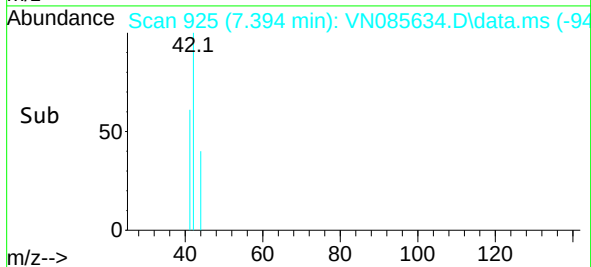
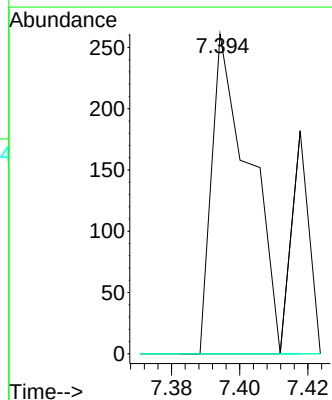
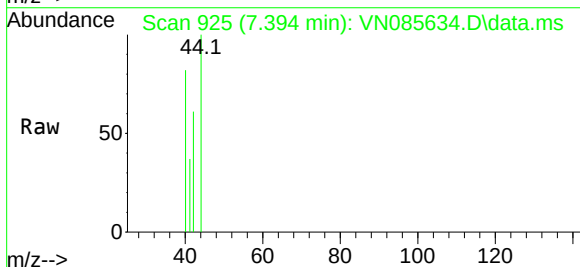


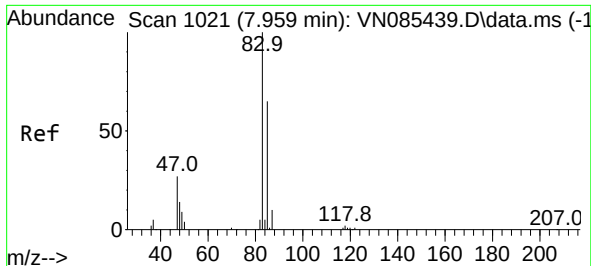
Tgt Ion: 49 Resp: 969
Ion Ratio Lower Upper
49 100
129 37.0 0.0 4.4#
130 134.2 55.0 82.4#



#29
Tetrahydrofuran
Concen: 625.844 ug/l
RT: 7.394 min Scan# 925
Delta R.T. -0.435 min
Lab File: VN085634.D
Acq: 03 Feb 2025 20:02

Tgt Ion: 42 Resp: 201
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 0.0 32.5 48.7#





#30

Chloroform

Concen: 1238.994 ug/l

RT: 7.541 min Scan# 91

Delta R.T. -0.418 min

Lab File: VN085634.D

Acq: 03 Feb 2025 20:02

Instrument :

MSVOA_N

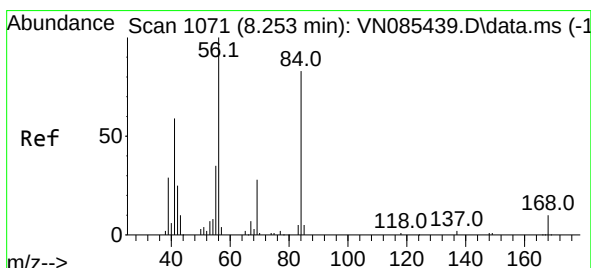
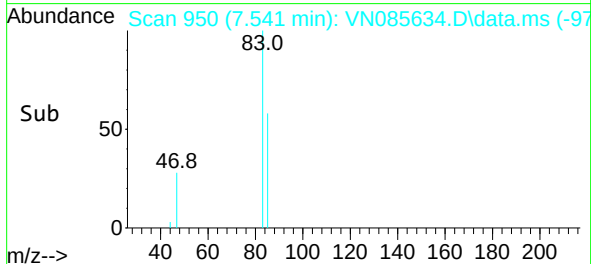
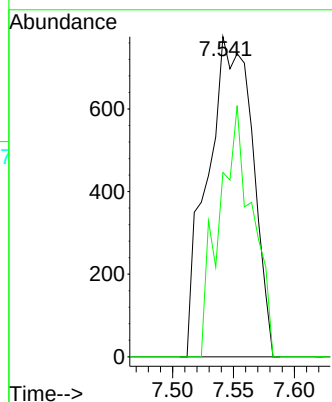
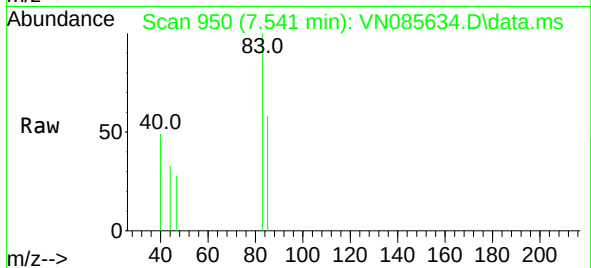
ClientSampleId :

Tgt Ion: 83 Resp: 1992

Ion Ratio Lower Upper

83 100

85 57.5 51.8 77.6



#31

Cyclohexane

Concen: 156.057 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.018 min

Lab File: VN085634.D

Acq: 03 Feb 2025 20:02

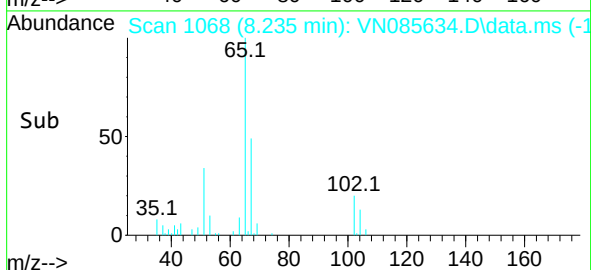
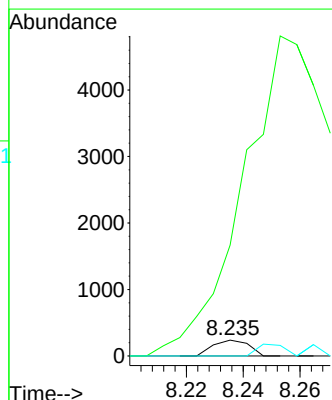
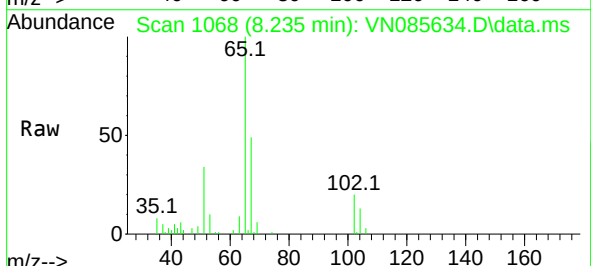
Tgt Ion: 56 Resp: 211

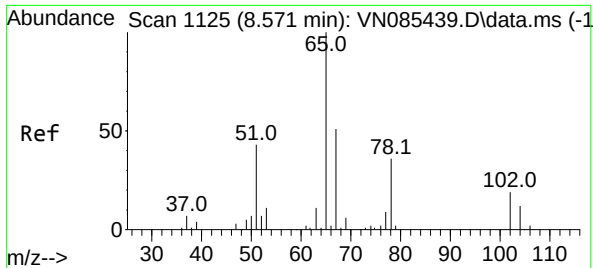
Ion Ratio Lower Upper

56 100

69 582.4 22.2 33.4#

84 0.0 66.4 99.6#

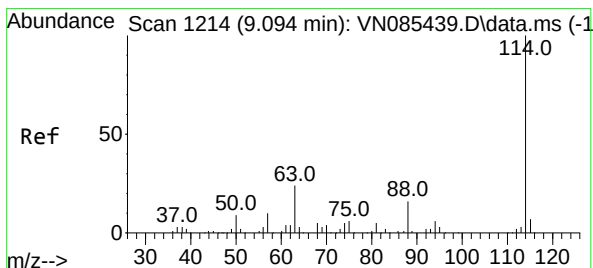
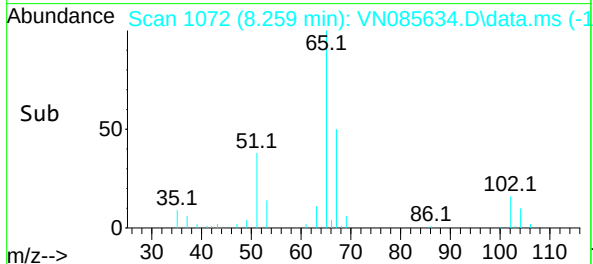
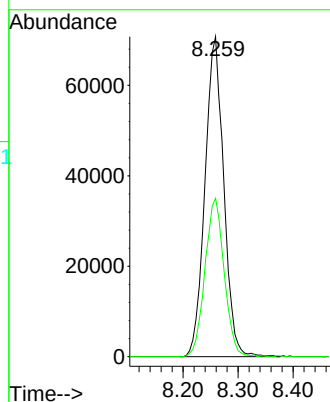
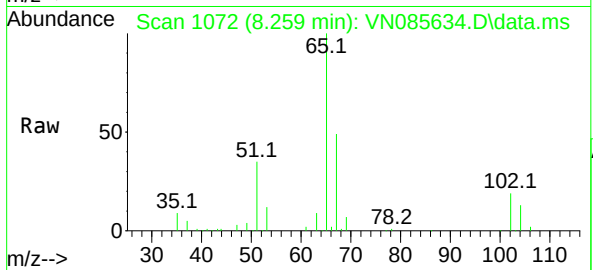




#33
 1,2-Dichloroethane-d4
 Concen: 157465.495 ug/l
 RT: 8.259 min Scan# 1107
 Delta R.T. -0.312 min
 Lab File: VN085634.D
 Acq: 03 Feb 2025 20:02

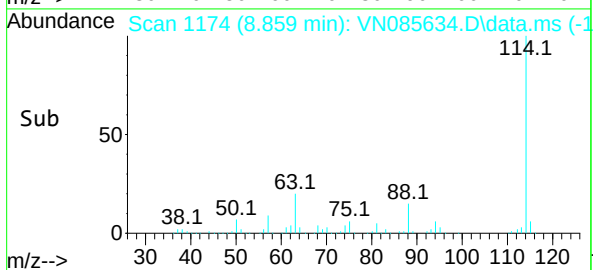
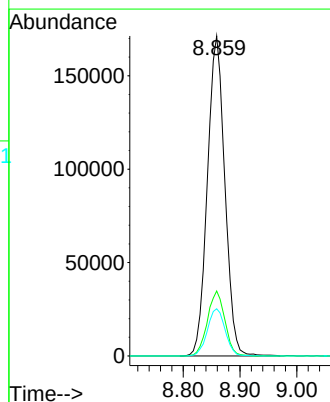
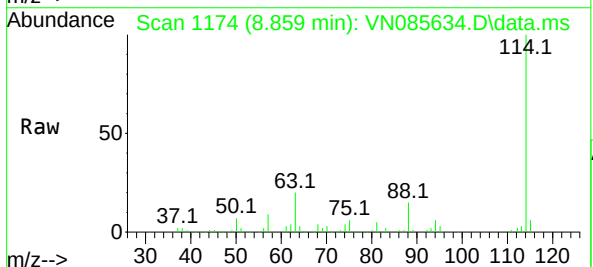
Instrument :
 MSVOA_N
 ClientSampleId :

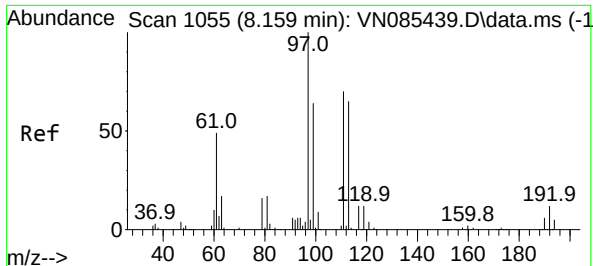
Tgt Ion: 65 Resp: 167760
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.859 min Scan# 1174
 Delta R.T. -0.235 min
 Lab File: VN085634.D
 Acq: 03 Feb 2025 20:02

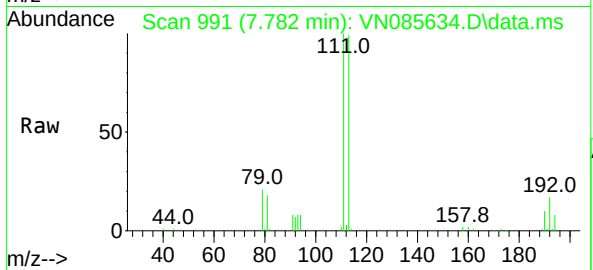
Tgt Ion: 114 Resp: 364470
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 47.6
 88 14.8 0.0 32.6



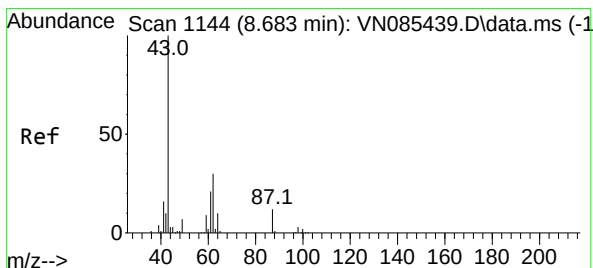
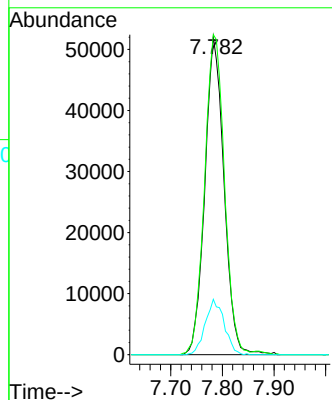
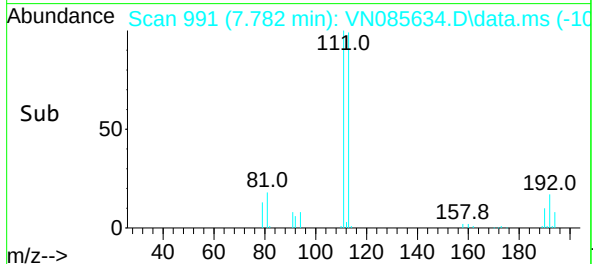


#35
Dibromofluoromethane
Concen: 53.055 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.377 min
Lab File: VN085634.D
Acq: 03 Feb 2025 20:02

Instrument :
MSVOA_N
ClientSampleId :

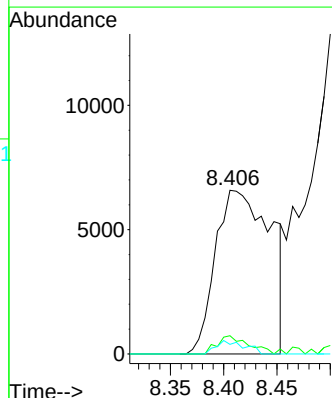
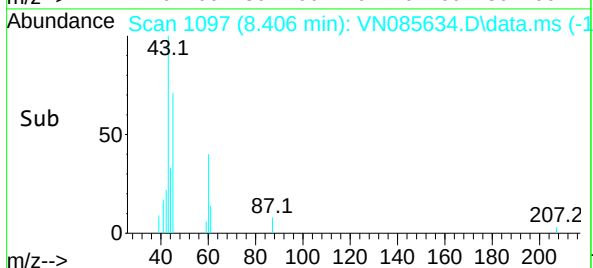
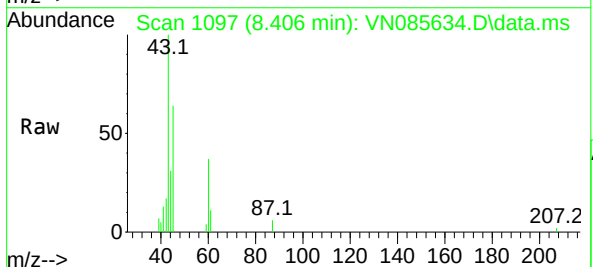


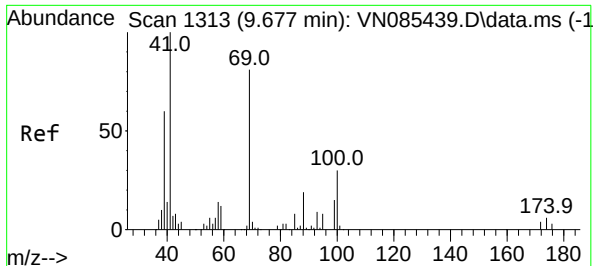
Tgt Ion:113 Resp: 134150
Ion Ratio Lower Upper
113 100
111 104.2 82.7 124.1
192 17.2 14.3 21.5



#43
Isopropyl Acetate
Concen: 4.140 ug/l
RT: 8.406 min Scan# 1097
Delta R.T. -0.277 min
Lab File: VN085634.D
Acq: 03 Feb 2025 20:02

Tgt Ion: 43 Resp: 23759
Ion Ratio Lower Upper
43 100
61 6.3 20.7 31.1#
87 4.1 9.8 14.8#





#48

Methyl methacrylate

Concen: 0.781 ug/l

RT: 9.500 min Scan# 11

Delta R.T. -0.177 min

Lab File: VN085634.D

Acq: 03 Feb 2025 20:02

Instrument :

MSVOA_N

ClientSampleId :

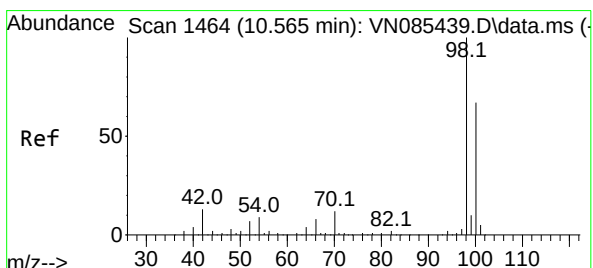
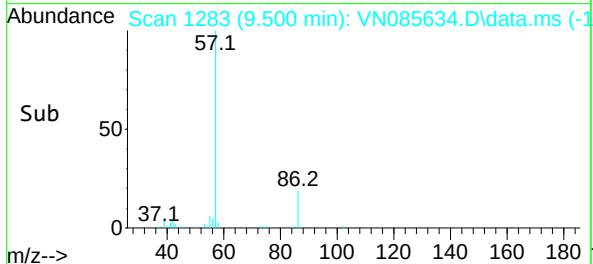
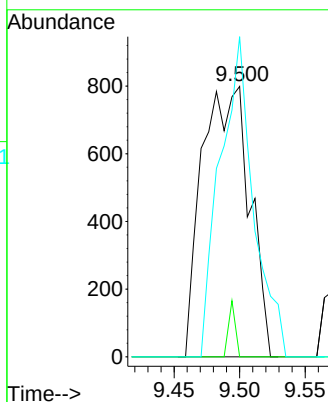
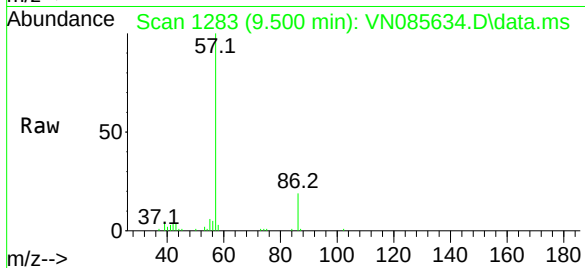
Tgt Ion: 41 Resp: 2016

Ion Ratio Lower Upper

41 100

69 2.9 64.7 97.1#

39 83.1 49.0 73.6#



#50

Toluene-d8

Concen: 50.083 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.118 min

Lab File: VN085634.D

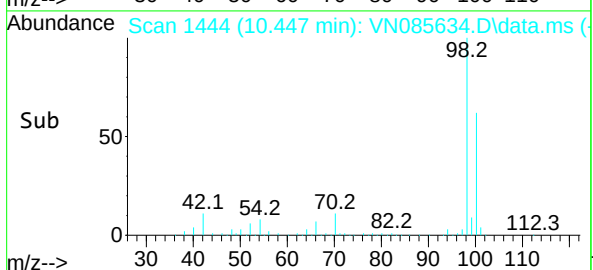
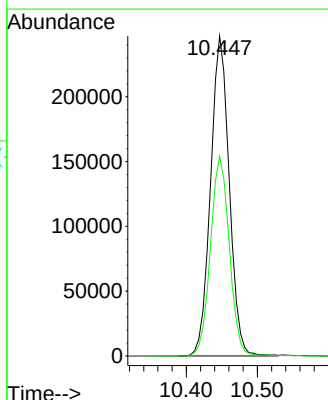
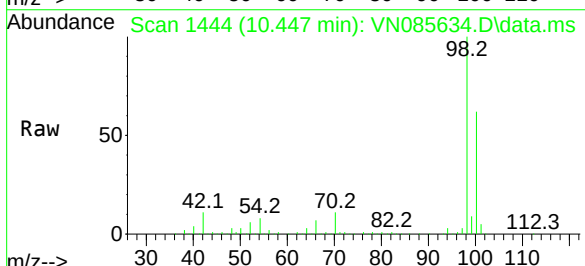
Acq: 03 Feb 2025 20:02

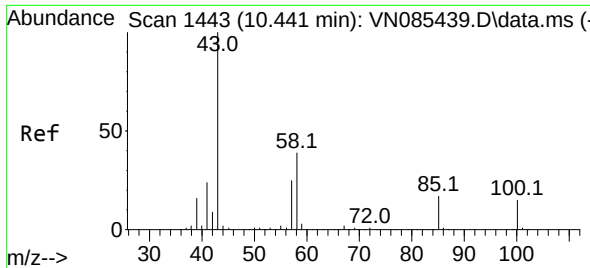
Tgt Ion: 98 Resp: 449937

Ion Ratio Lower Upper

98 100

100 63.1 52.2 78.4

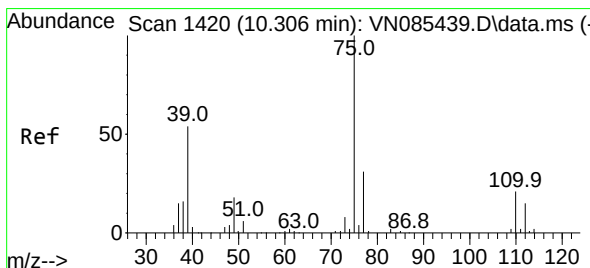
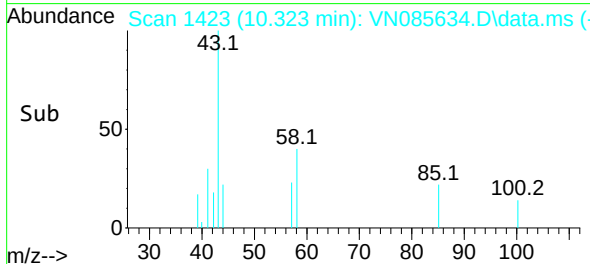
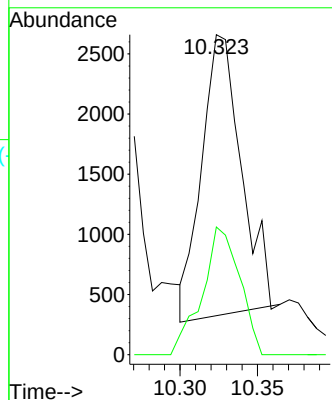
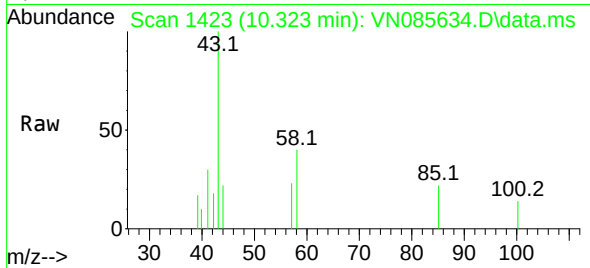




#51
4-Methyl-2-Pentanone
Concen: 1.246 ug/l
RT: 10.323 min Scan# 1410
Delta R.T. -0.118 min
Lab File: VN085634.D
Acq: 03 Feb 2025 20:02

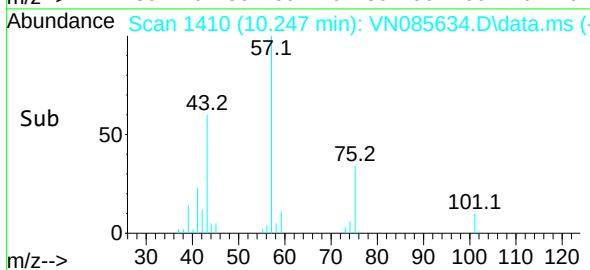
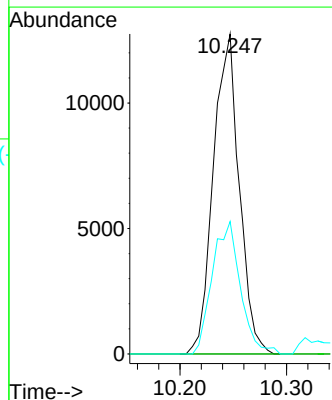
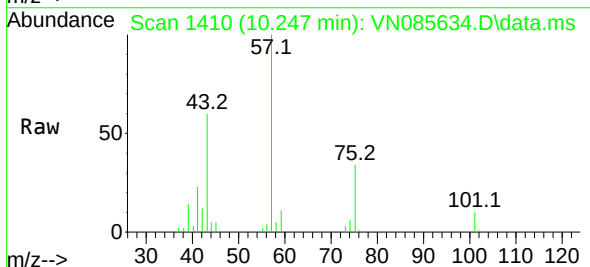
Instrument :
MSVOA_N
ClientSampleId :

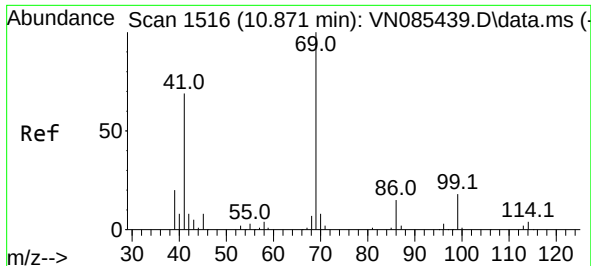
Tgt Ion: 43 Resp: 4149
Ion Ratio Lower Upper
43 100
58 43.0 30.5 45.7



#54
cis-1,3-Dichloropropene
Concen: 5.311 ug/l
RT: 10.247 min Scan# 1410
Delta R.T. -0.059 min
Lab File: VN085634.D
Acq: 03 Feb 2025 20:02

Tgt Ion: 75 Resp: 21463
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 41.4 43.1 64.7#

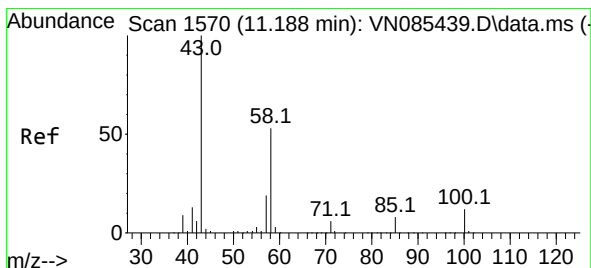
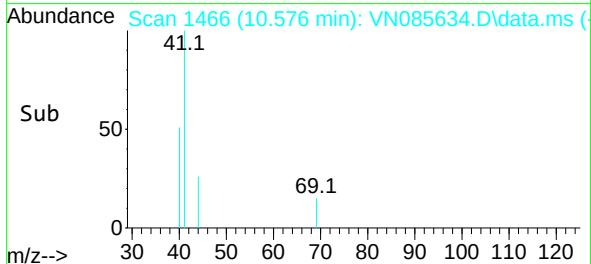
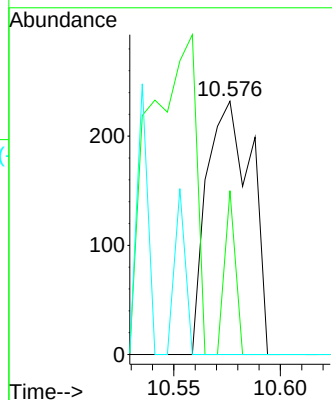
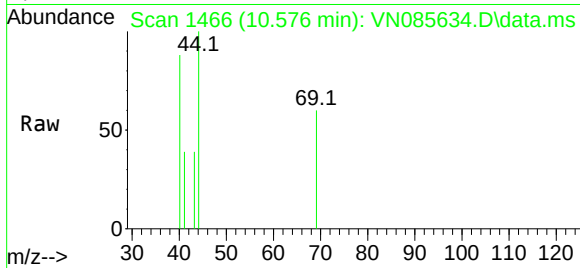




#56
Ethyl methacrylate
Concen: 2.010 ug/l
RT: 10.576 min Scan# 14
Delta R.T. -0.295 min
Lab File: VN085634.D
Acq: 03 Feb 2025 20:02

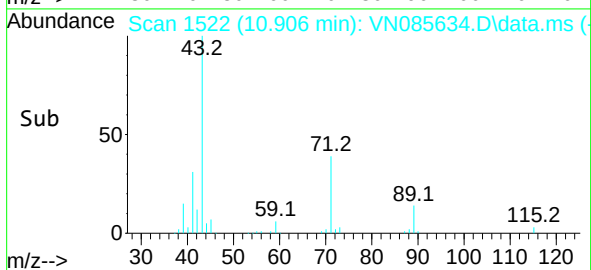
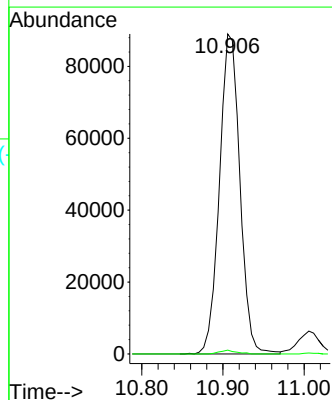
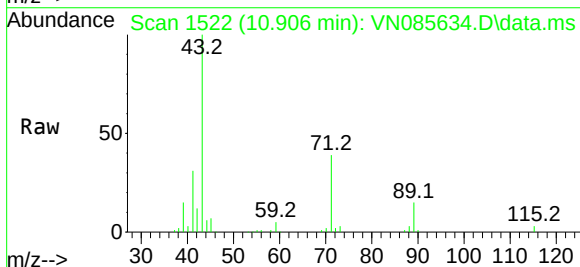
Instrument :
MSVOA_N
ClientSampleId :

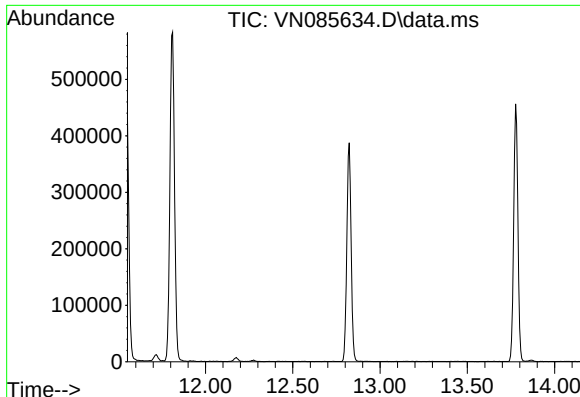
Tgt Ion: 69 Resp: 337
Ion Ratio Lower Upper
69 100
41 0.0 54.6 82.0#
39 0.0 32.4 48.6#



#59
2-Hexanone
Concen: 66.579 ug/l
RT: 10.906 min Scan# 1522
Delta R.T. -0.283 min
Lab File: VN085634.D
Acq: 03 Feb 2025 20:02

Tgt Ion: 43 Resp: 156026
Ion Ratio Lower Upper
43 100
58 1.0 26.2 78.6#

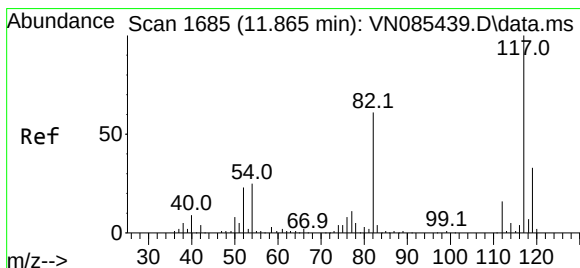
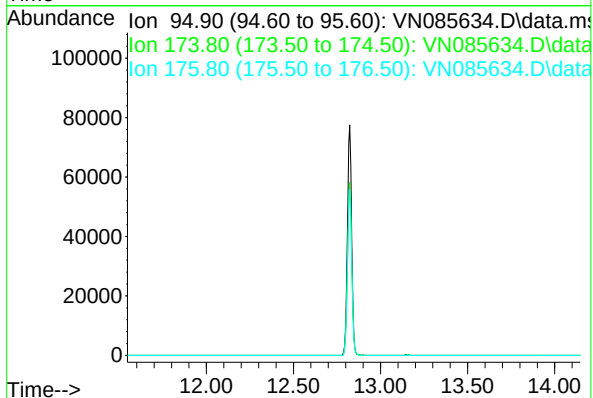




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.85 min
 Lab File: VN085634.D
 Acq: 03 Feb 2025 20:02

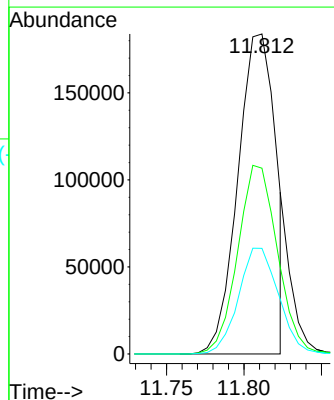
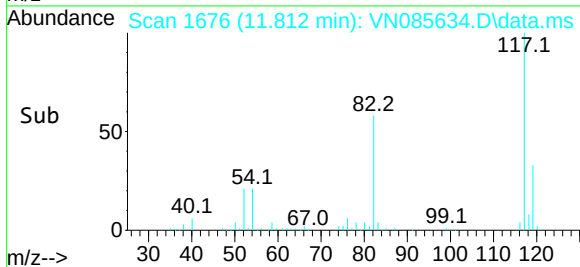
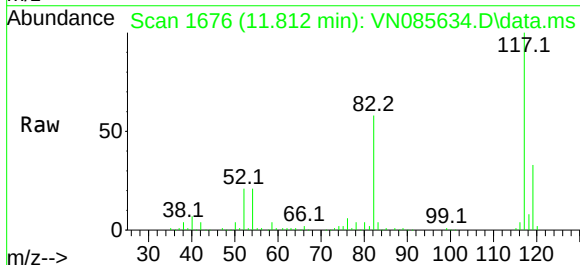
Instrument :
 MSVOA_N
 ClientSampleId :

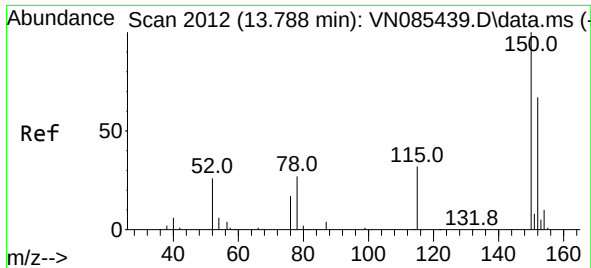
Tgt Ion: 95
 Sig Exp Ratio
 95 100
 174 72.5
 176 71.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 1676
 Delta R.T. -0.053 min
 Lab File: VN085634.D
 Acq: 03 Feb 2025 20:02

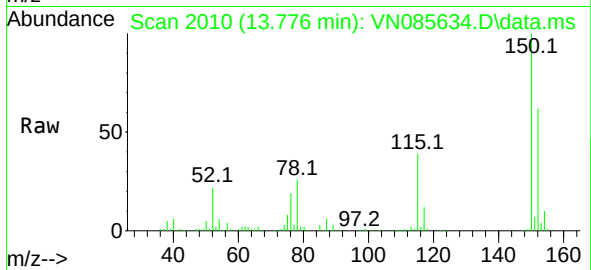
Tgt Ion: 117 Resp: 311805
 Ion Ratio Lower Upper
 117 100
 82 58.0 48.6 72.8
 119 33.0 26.6 39.8



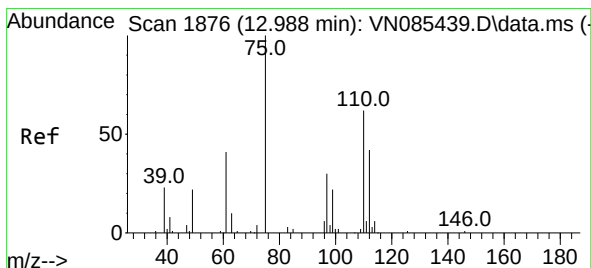
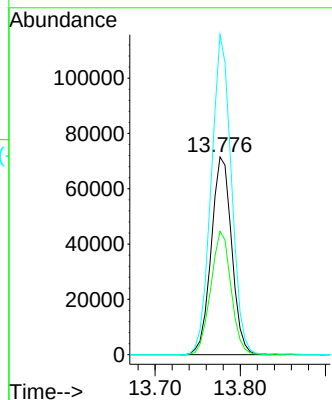
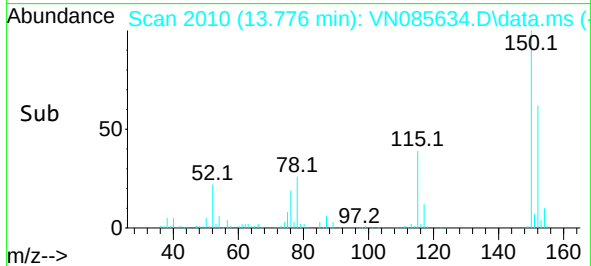


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.776 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: VN085634.D
 Acq: 03 Feb 2025 20:02

Instrument :
 MSVOA_N
 ClientSampleId :

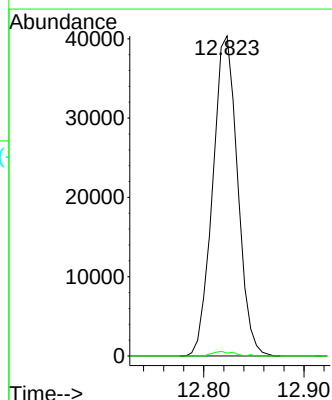
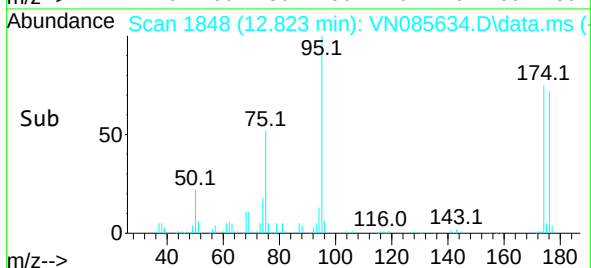
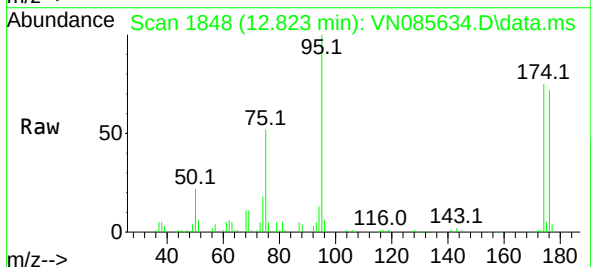


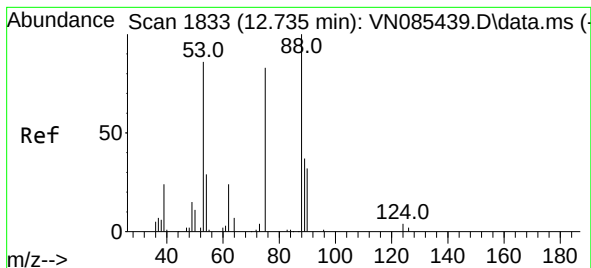
Tgt Ion:152 Resp: 119474
 Ion Ratio Lower Upper
 152 100
 115 61.7 31.1 93.3
 150 159.2 0.0 343.6



#76
 1,2,3-Trichloropropane
 Concen: 28.642 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. -0.165 min
 Lab File: VN085634.D
 Acq: 03 Feb 2025 20:02

Tgt Ion: 75 Resp: 69552
 Ion Ratio Lower Upper
 75 100
 77 1.2 109.7 329.2#

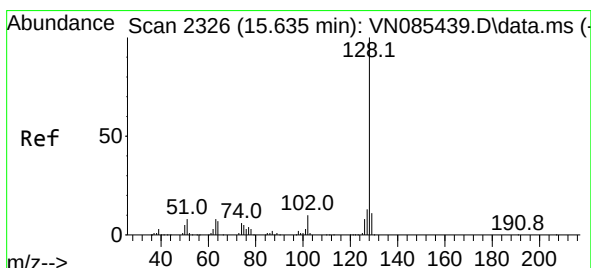
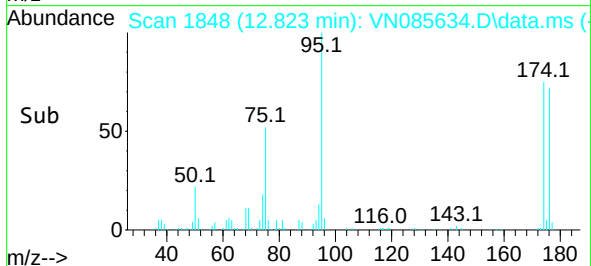
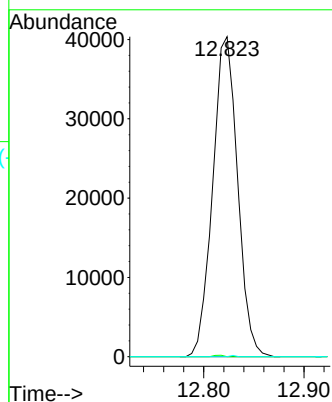
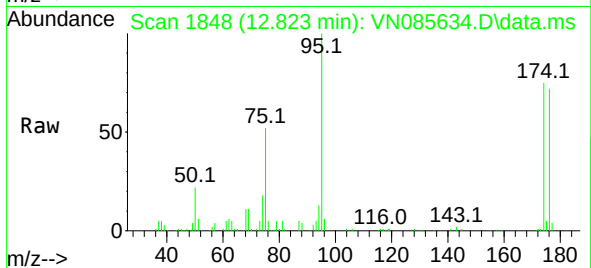




#81
trans-1,4-Dichloro-2-butene
Concen: 77.492 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.088 min
Lab File: VN085634.D
Acq: 03 Feb 2025 20:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 69552
Ion Ratio Lower Upper
75 100
53 0.2 95.6 143.4#
89 0.1 37.0 55.6#



#95
Naphthalene
Concen: 0.234 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN085634.D
Acq: 03 Feb 2025 20:02

Tgt Ion: 128 Resp: 1255
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

