

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086152.D
 Acq On : 28 Mar 2025 15:54
 Operator : JC\MD
 Sample : Q1661-02ME
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 351

Quant Time: Mar 28 23:38:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

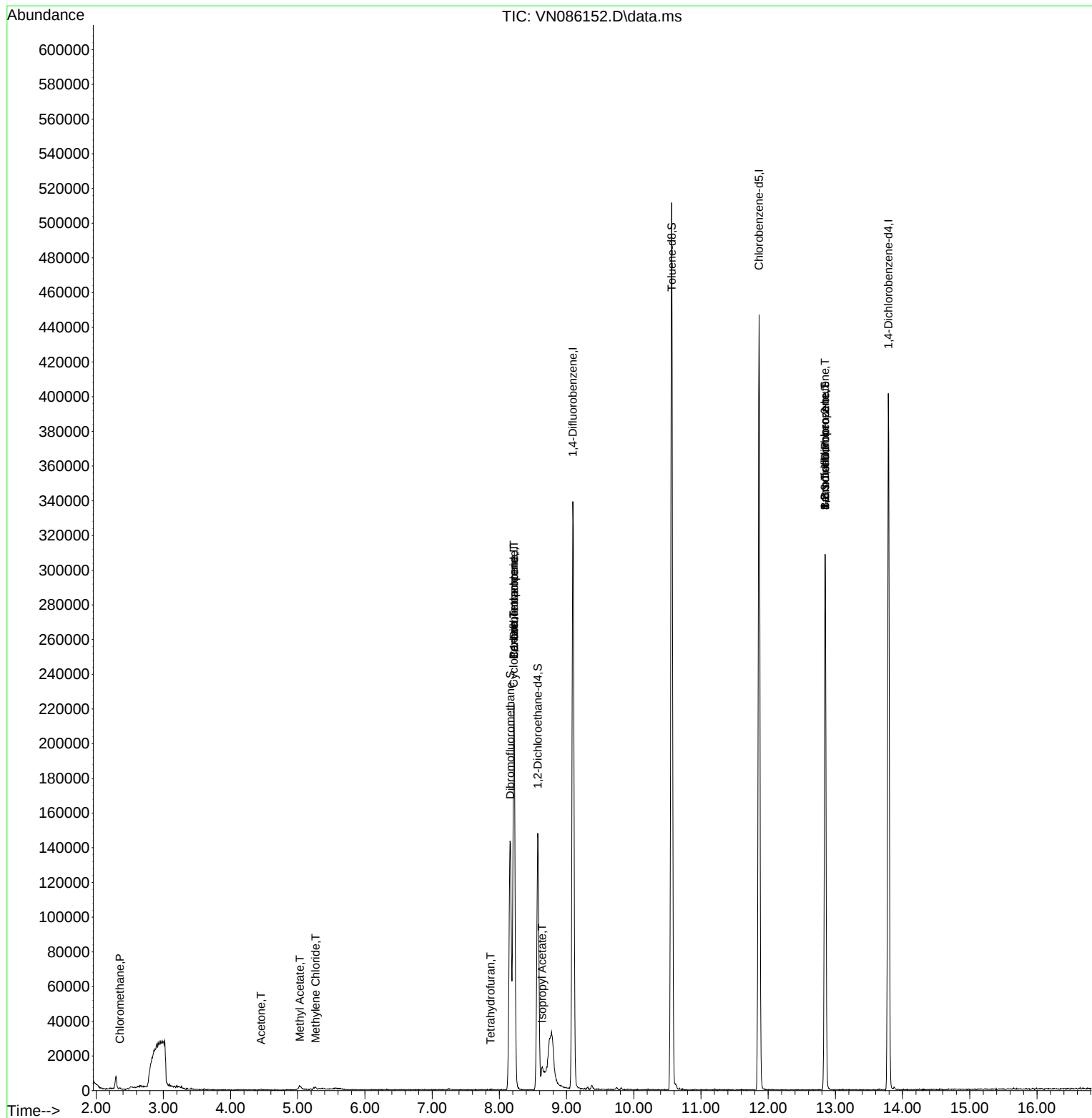
Internal Standards						
1) Pentafluorobenzene	8.218	168	162003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	297057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	123540	55.689	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.380%			
35) Dibromofluoromethane	8.165	113	107672	51.930	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.860%			
50) Toluene-d8	10.565	98	357430	47.499	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.000%			
62) 4-Bromofluorobenzene	12.847	95	108851	40.561	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 81.120%			
Target Compounds						Qvalue
3) Chloromethane	2.353	50	475	0.252	ug/l #	42
16) Acetone	4.453	43	472	0.696	ug/l #	38
18) Methyl Acetate	5.030	43	4794	2.859	ug/l	91
20) Methylene Chloride	5.265	84	1071	0.540	ug/l #	66
29) Tetrahydrofuran	7.871	42	191	0.316	ug/l #	24
31) Cyclohexane	8.212	56	3207	1.160	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13275	4.862	ug/l #	49
38) Carbon Tetrachloride	8.218	117	16626	4.632	ug/l #	16
43) Isopropyl Acetate	8.635	43	9852	1.974	ug/l #	50
71) Bromoform	12.847	173	1113	0.582	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	54583	20.843	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	54583	55.106	ug/l #	16

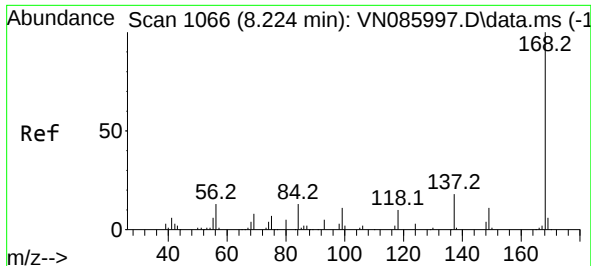
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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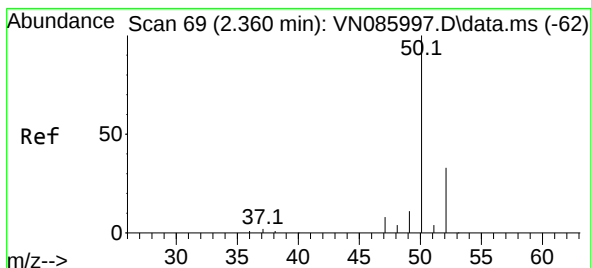
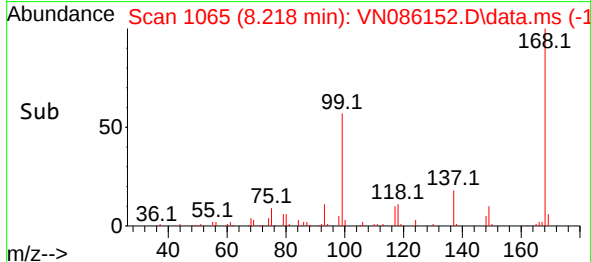
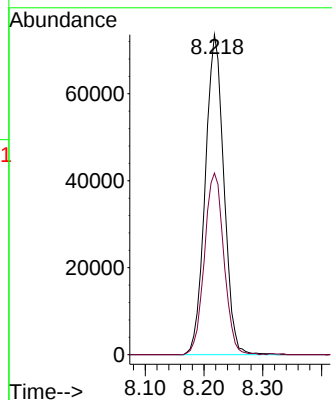
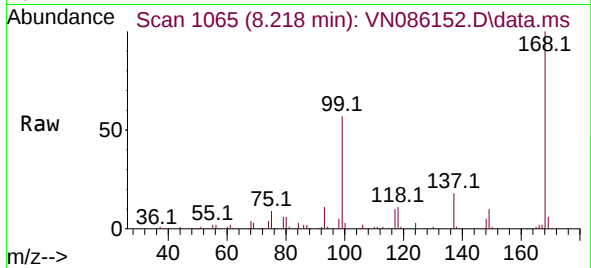




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

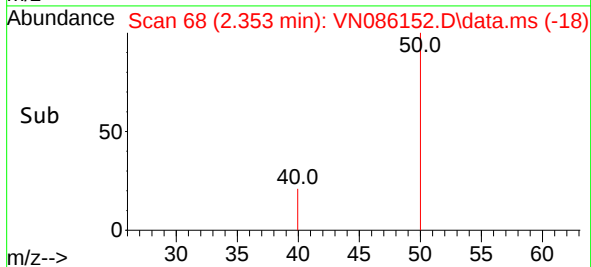
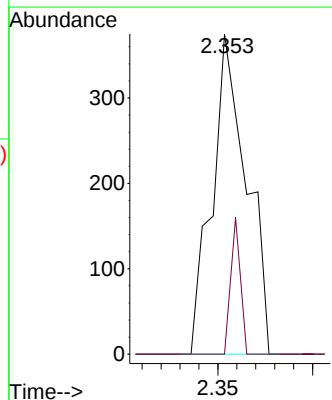
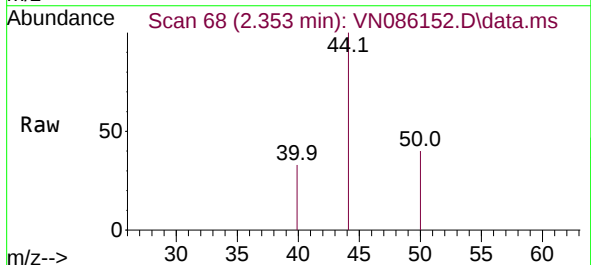
Instrument :
MSVOA_N
ClientSampleId :
351

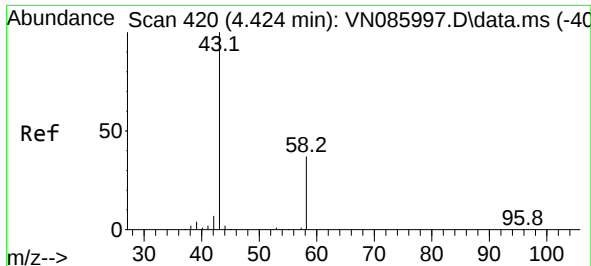
Tgt Ion:168 Resp: 162003
Ion Ratio Lower Upper
168 100
99 56.7 49.4 74.2



#3
Chloromethane
Concen: 0.252 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

Tgt Ion: 50 Resp: 475
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#





#16

Acetone

Concen: 0.696 ug/l

RT: 4.453 min Scan# 431

Delta R.T. 0.029 min

Lab File: VN086152.D

Acq: 28 Mar 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

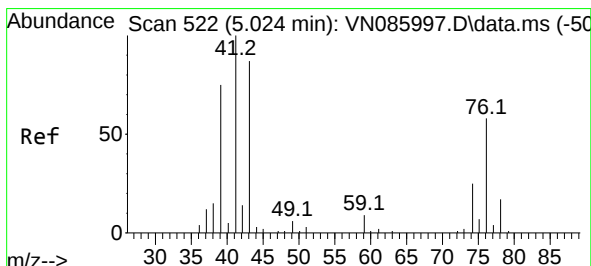
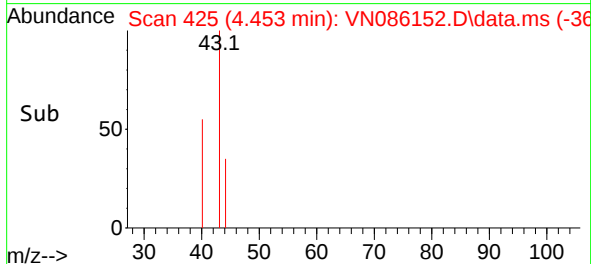
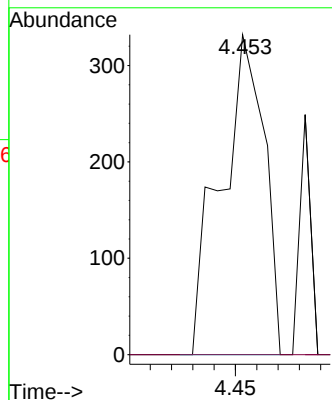
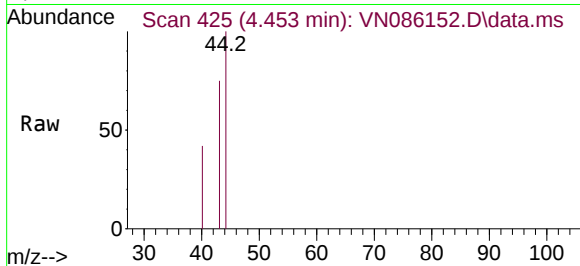
351

Tgt Ion: 43 Resp: 472

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.2#



#18

Methyl Acetate

Concen: 2.859 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.006 min

Lab File: VN086152.D

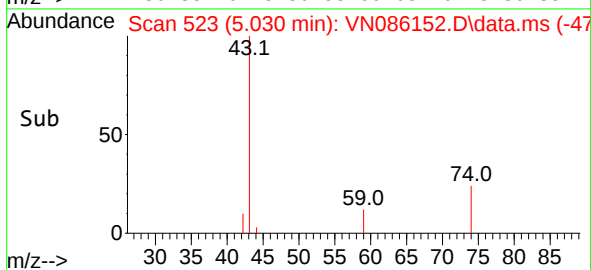
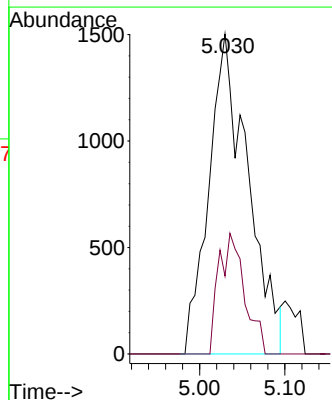
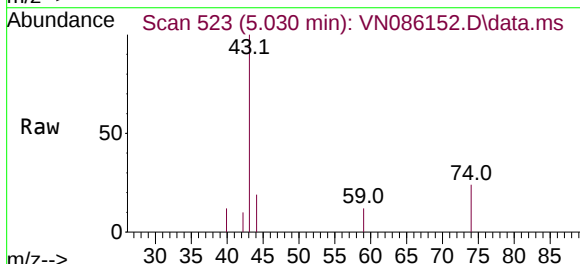
Acq: 28 Mar 2025 15:54

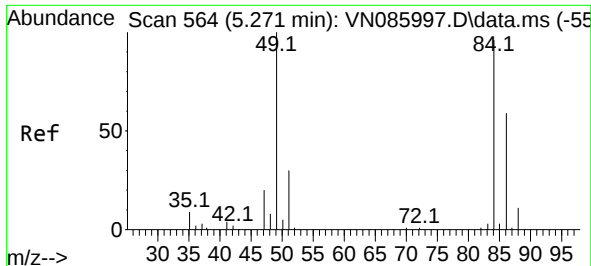
Tgt Ion: 43 Resp: 4794

Ion Ratio Lower Upper

43 100

74 24.8 23.9 35.9



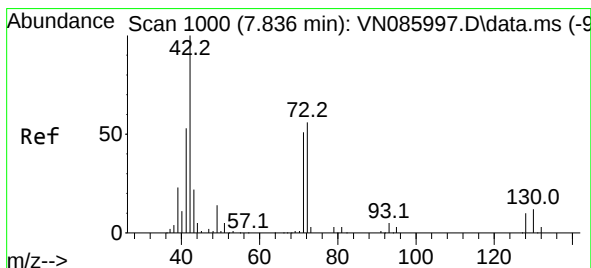
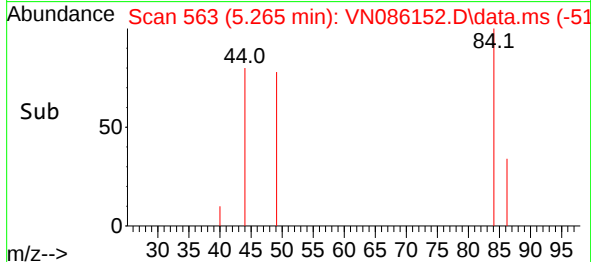
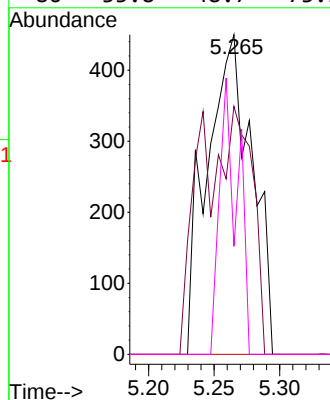
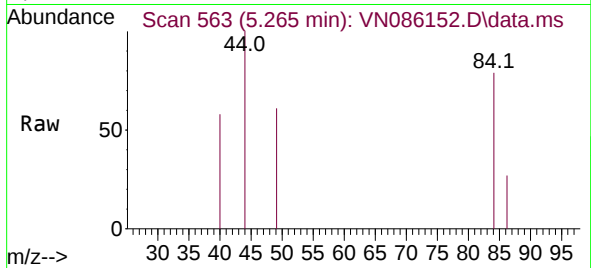


#20
Methylene Chloride
Concen: 0.540 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
351

Tgt Ion: 84 Resp: 1071

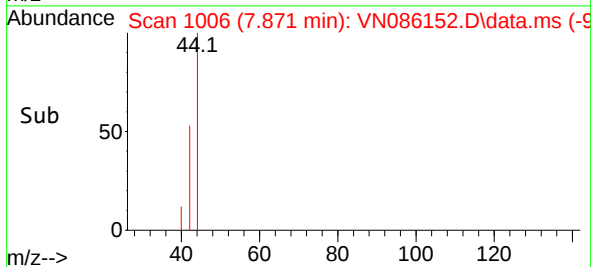
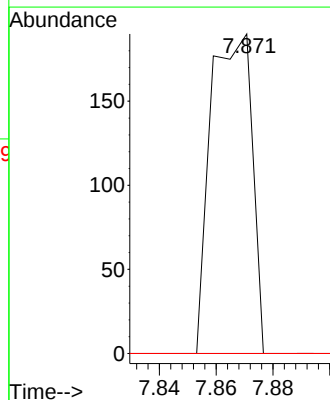
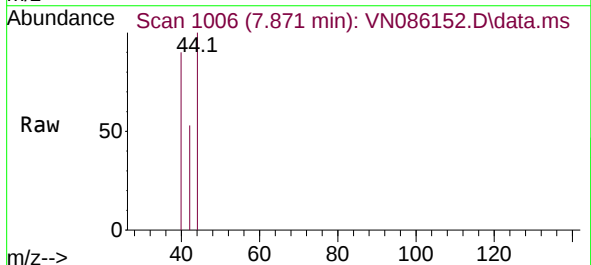
Ion	Ratio	Lower	Upper
84	100		
49	77.6	83.3	124.9#
51	0.0	24.8	37.2#
86	33.8	48.7	73.1#

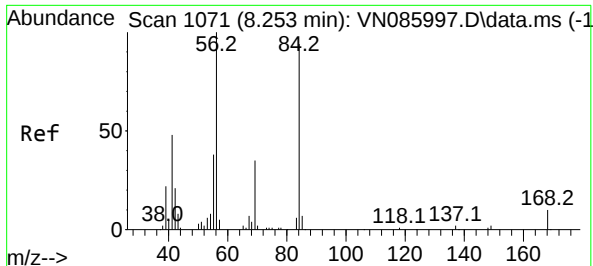


#29
Tetrahydrofuran
Concen: 0.316 ug/l
RT: 7.871 min Scan# 1006
Delta R.T. 0.035 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

Tgt Ion: 42 Resp: 191

Ion	Ratio	Lower	Upper
42	100		
72	0.0	45.0	67.4#
71	0.0	41.9	62.9#





#31

Cyclohexane

Concen: 1.160 ug/l

RT: 8.212 min Scan# 1

Delta R.T. -0.041 min

Lab File: VN086152.D

Acq: 28 Mar 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

351

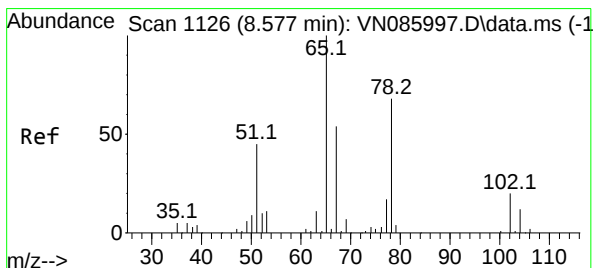
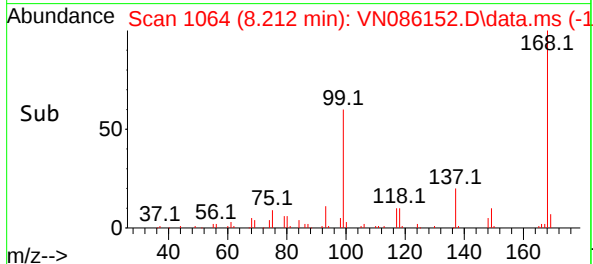
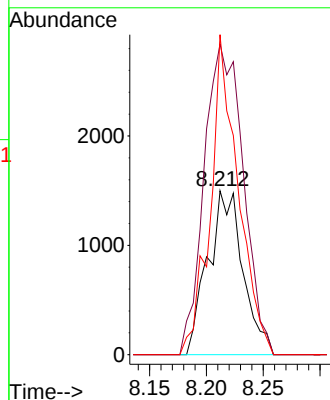
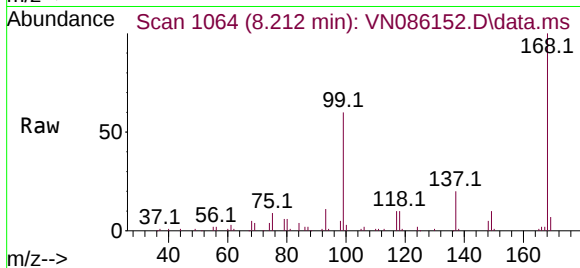
Tgt Ion: 56 Resp: 3207

Ion Ratio Lower Upper

56 100

69 189.7 28.0 42.0#

84 195.4 75.0 112.6#



#33

1,2-Dichloroethane-d4

Concen: 55.689 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN086152.D

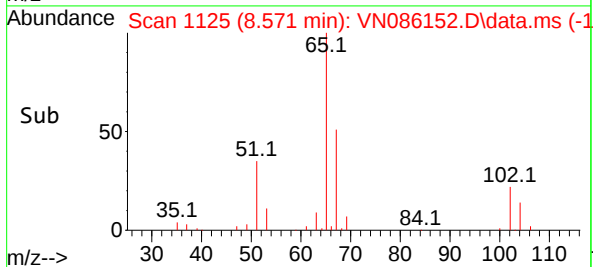
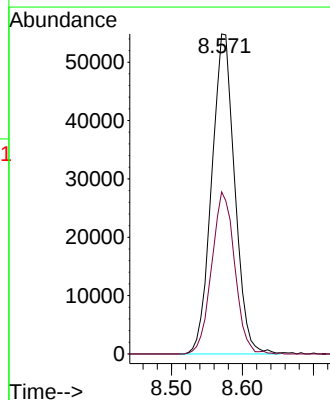
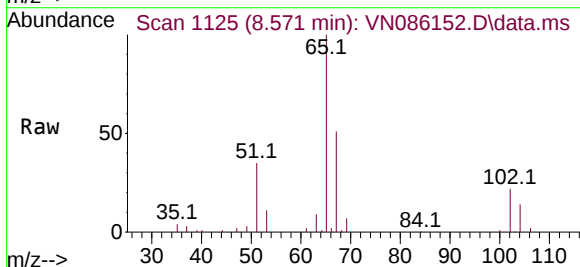
Acq: 28 Mar 2025 15:54

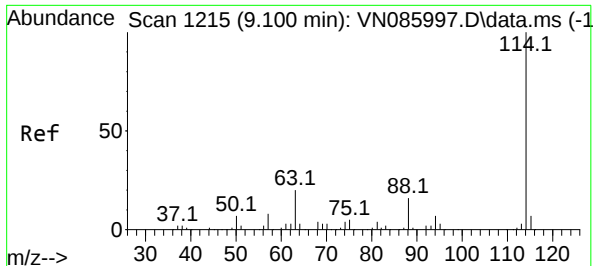
Tgt Ion: 65 Resp: 123540

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086152.D

Acq: 28 Mar 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

351

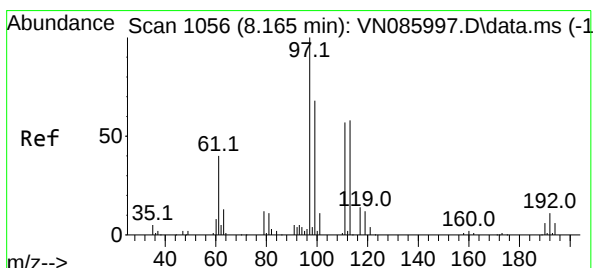
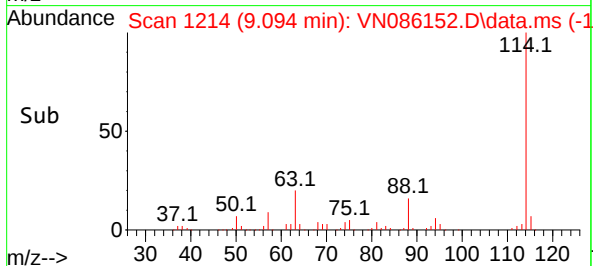
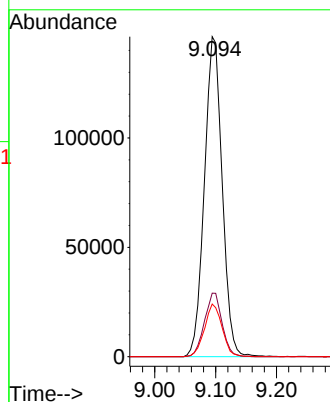
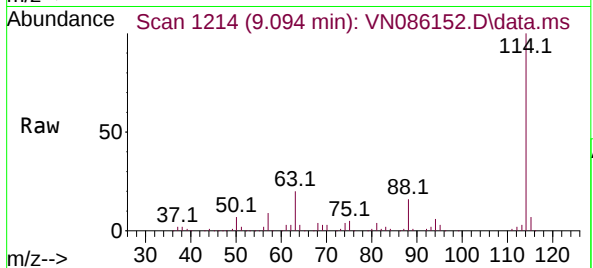
Tgt Ion:114 Resp: 297057

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.930 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086152.D

Acq: 28 Mar 2025 15:54

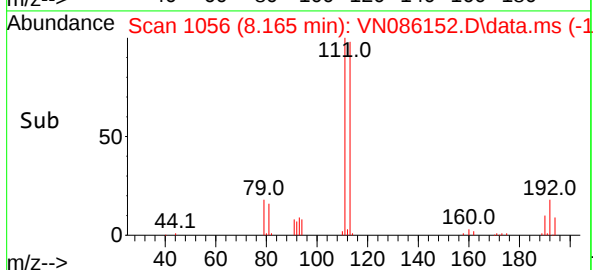
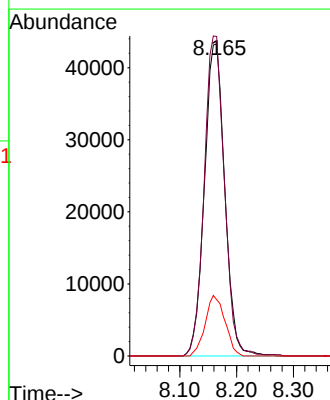
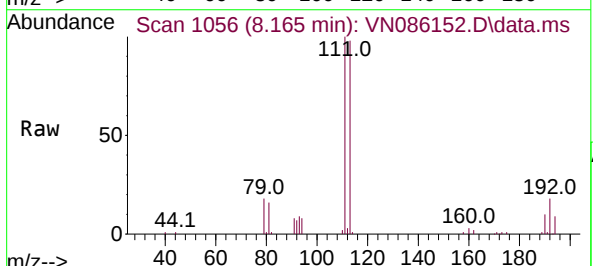
Tgt Ion:113 Resp: 107672

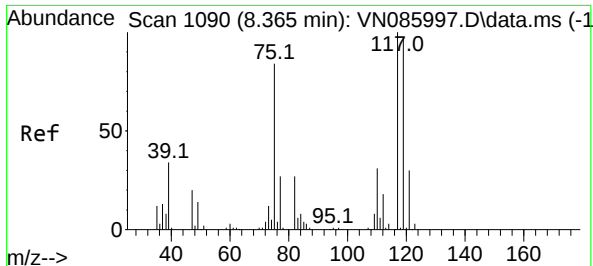
Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

192 18.8 15.9 23.9

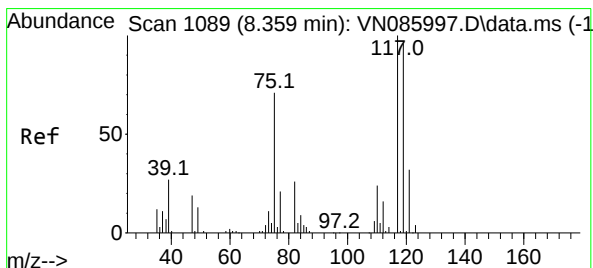
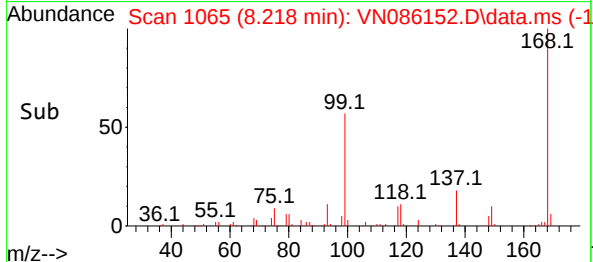
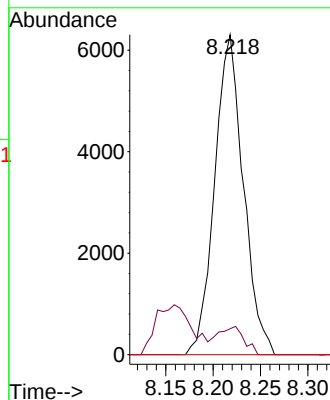
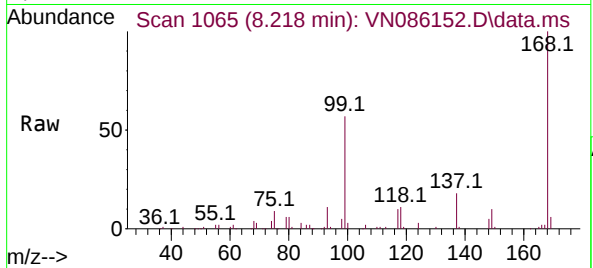




#36
1,1-Dichloropropene
Concen: 4.862 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

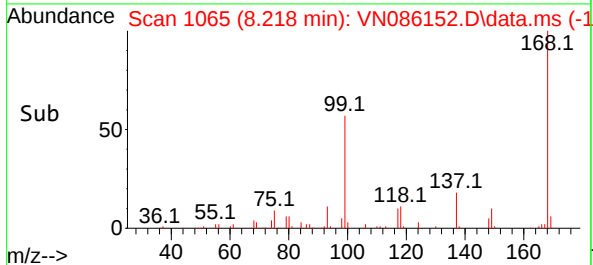
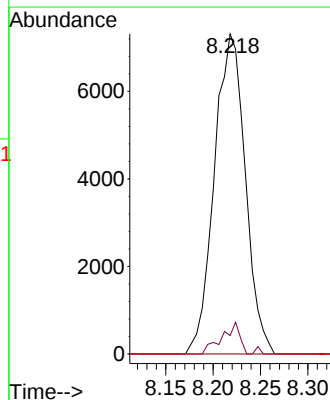
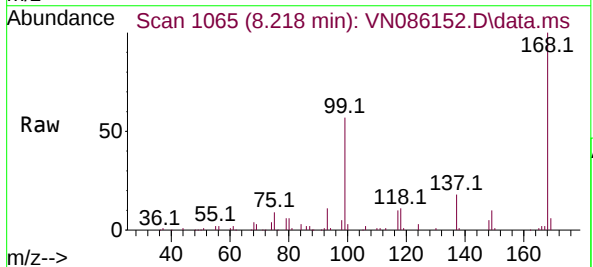
Instrument :
MSVOA_N
ClientSampleId :
351

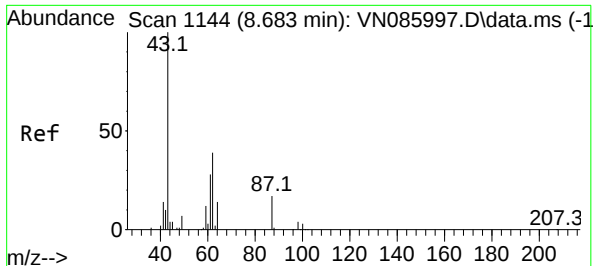
Tgt Ion: 75 Resp: 13275
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 4.632 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

Tgt Ion: 117 Resp: 16626
Ion Ratio Lower Upper
117 100
119 5.7 77.0 115.4#
121 0.0 25.6 38.4#





#43

Isopropyl Acetate

Concen: 1.974 ug/l

RT: 8.635 min Scan# 1136

Delta R.T. -0.047 min

Lab File: VN086152.D

Acq: 28 Mar 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

351

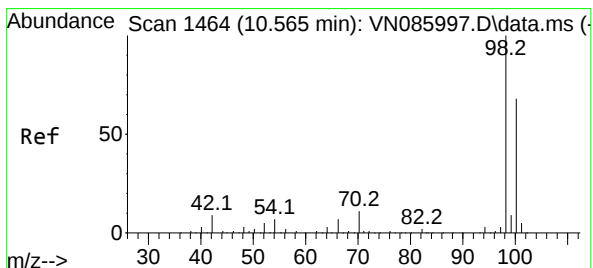
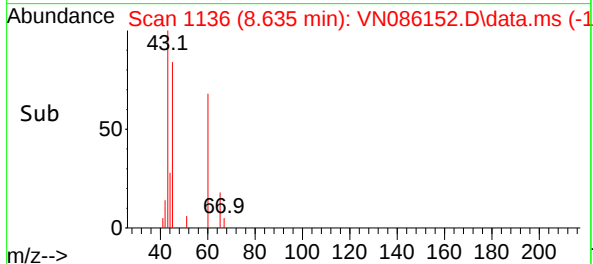
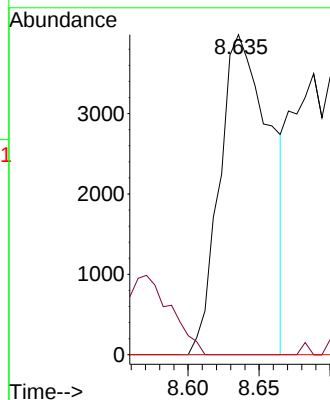
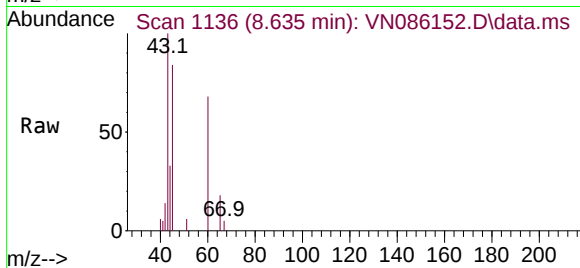
Tgt Ion: 43 Resp: 9852

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

87 0.0 13.0 19.4#



#50

Toluene-d8

Concen: 47.499 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086152.D

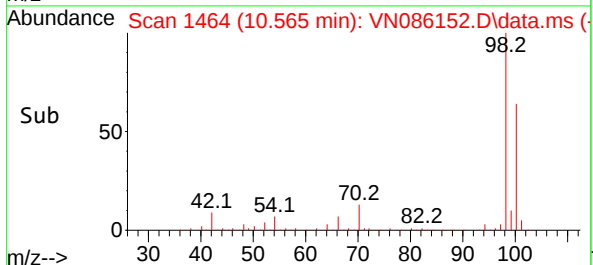
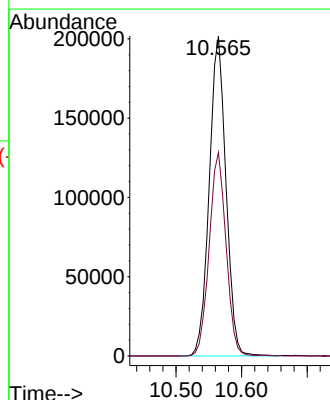
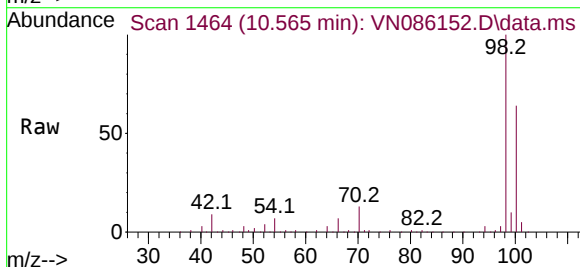
Acq: 28 Mar 2025 15:54

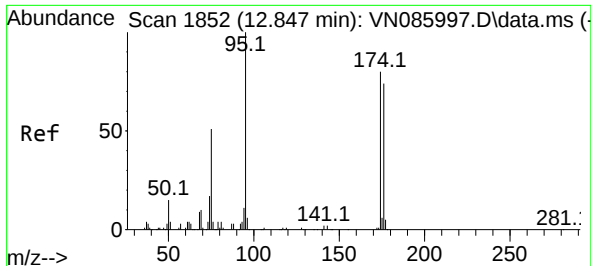
Tgt Ion: 98 Resp: 357430

Ion Ratio Lower Upper

98 100

100 63.9 53.1 79.7

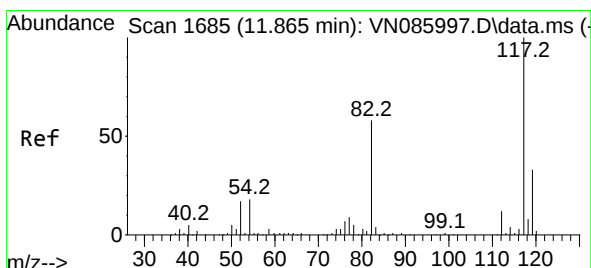
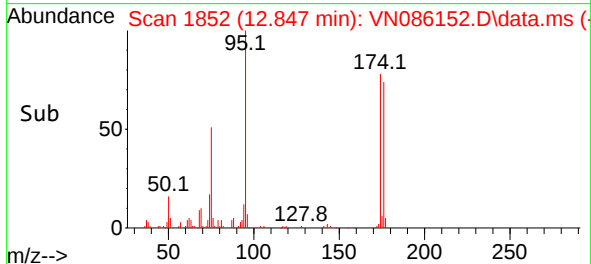
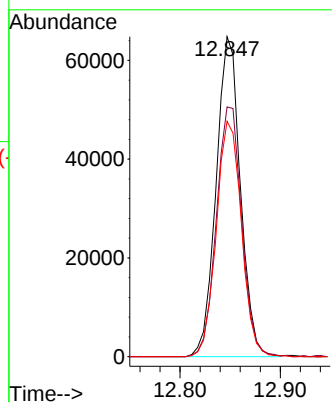
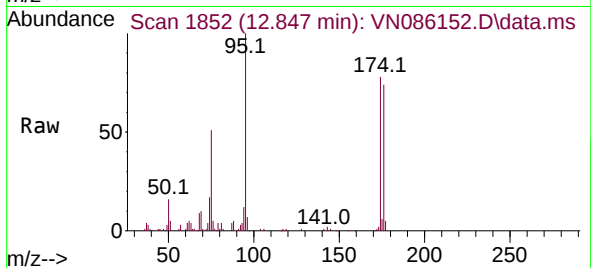




#62
4-Bromofluorobenzene
Concen: 40.561 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

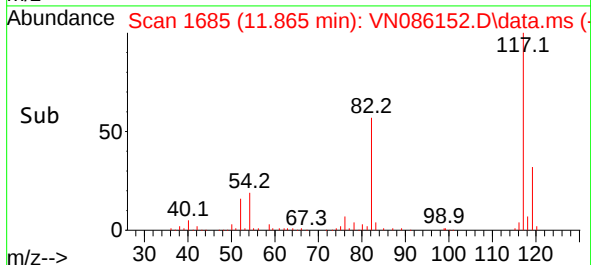
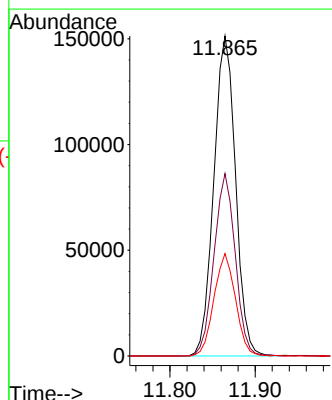
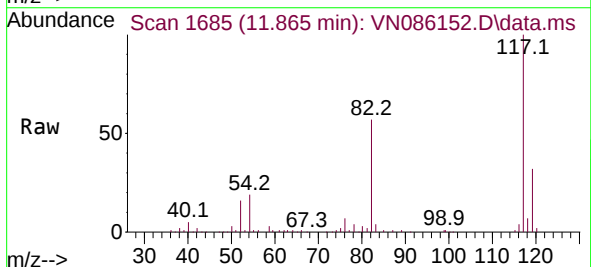
Instrument :
MSVOA_N
ClientSampleId :
351

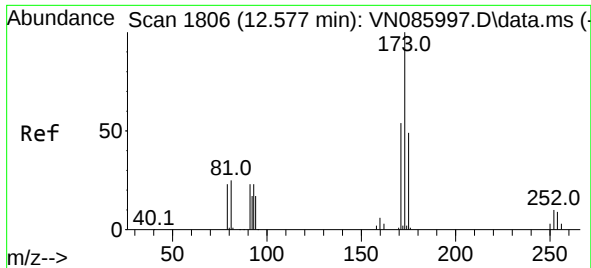
Tgt Ion: 95 Resp: 108851
Ion Ratio Lower Upper
95 100
174 81.6 0.0 156.8
176 76.2 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

Tgt Ion: 117 Resp: 268750
Ion Ratio Lower Upper
117 100
82 57.0 46.7 70.1
119 32.0 26.5 39.7

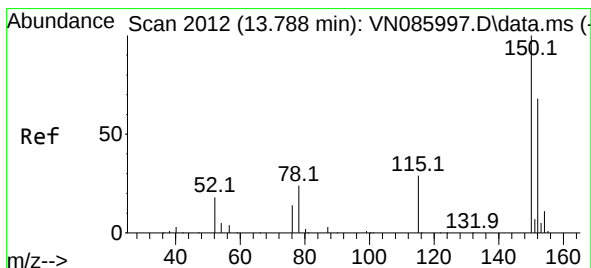
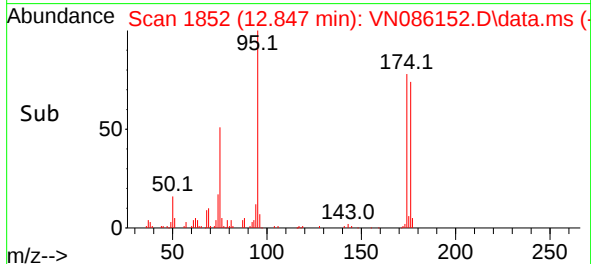
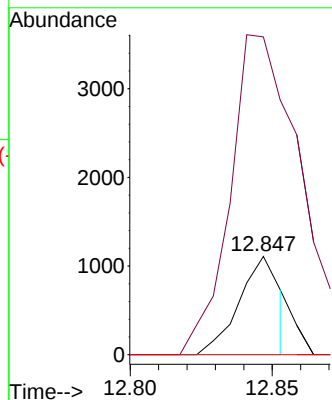
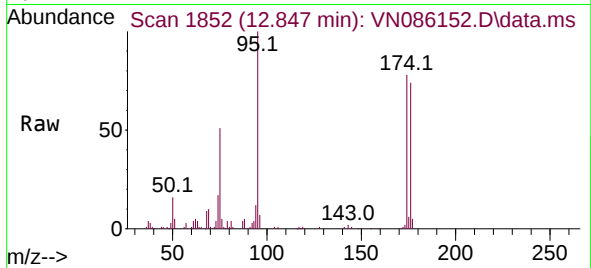




#71
Bromoform
Concen: 0.582 ug/l
RT: 12.847 min Scan# 1113
Delta R.T. 0.270 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

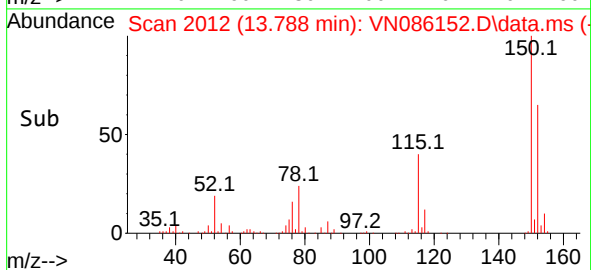
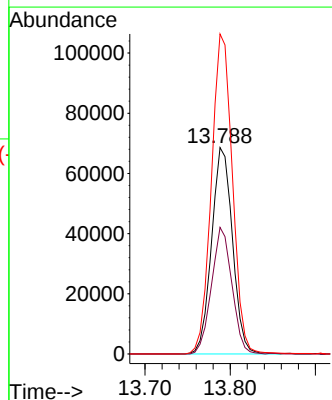
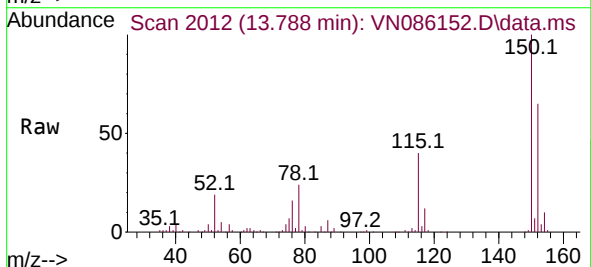
Instrument :
MSVOA_N
ClientSampleId :
351

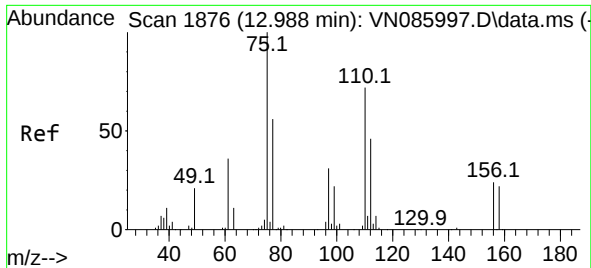
Tgt Ion	Ratio	Lower	Upper
173	100		
175	405.2	24.3	73.0#
254	0.0	0.0	0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	31.1	93.2
150	156.0	0.0	359.6

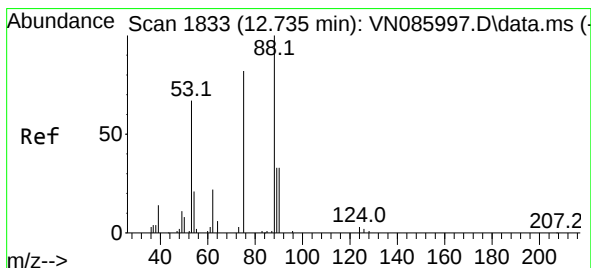
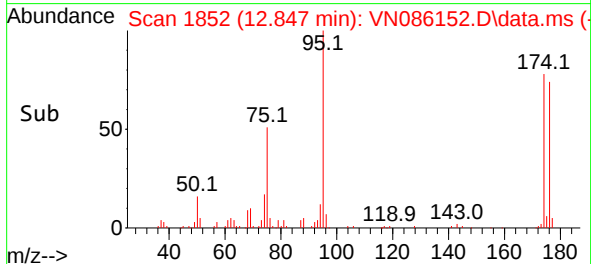
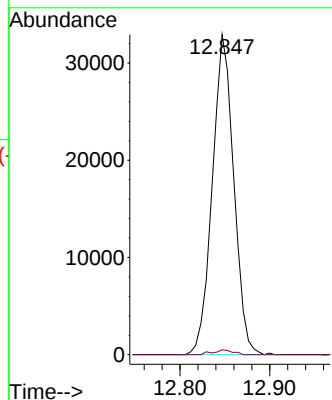
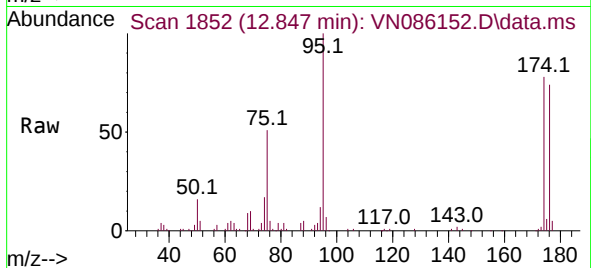




#76
1,2,3-Trichloropropane
Concen: 20.843 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
351

Tgt Ion: 75 Resp: 54583
Ion Ratio Lower Upper
75 100
77 1.4 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.106 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

Tgt Ion: 75 Resp: 54583
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#

