

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086566.D
 Acq On : 09 May 2025 16:56
 Operator : JC\MD
 Sample : Q1980-05
 Misc : 1.19g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3837

Quant Time: May 09 23:30:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

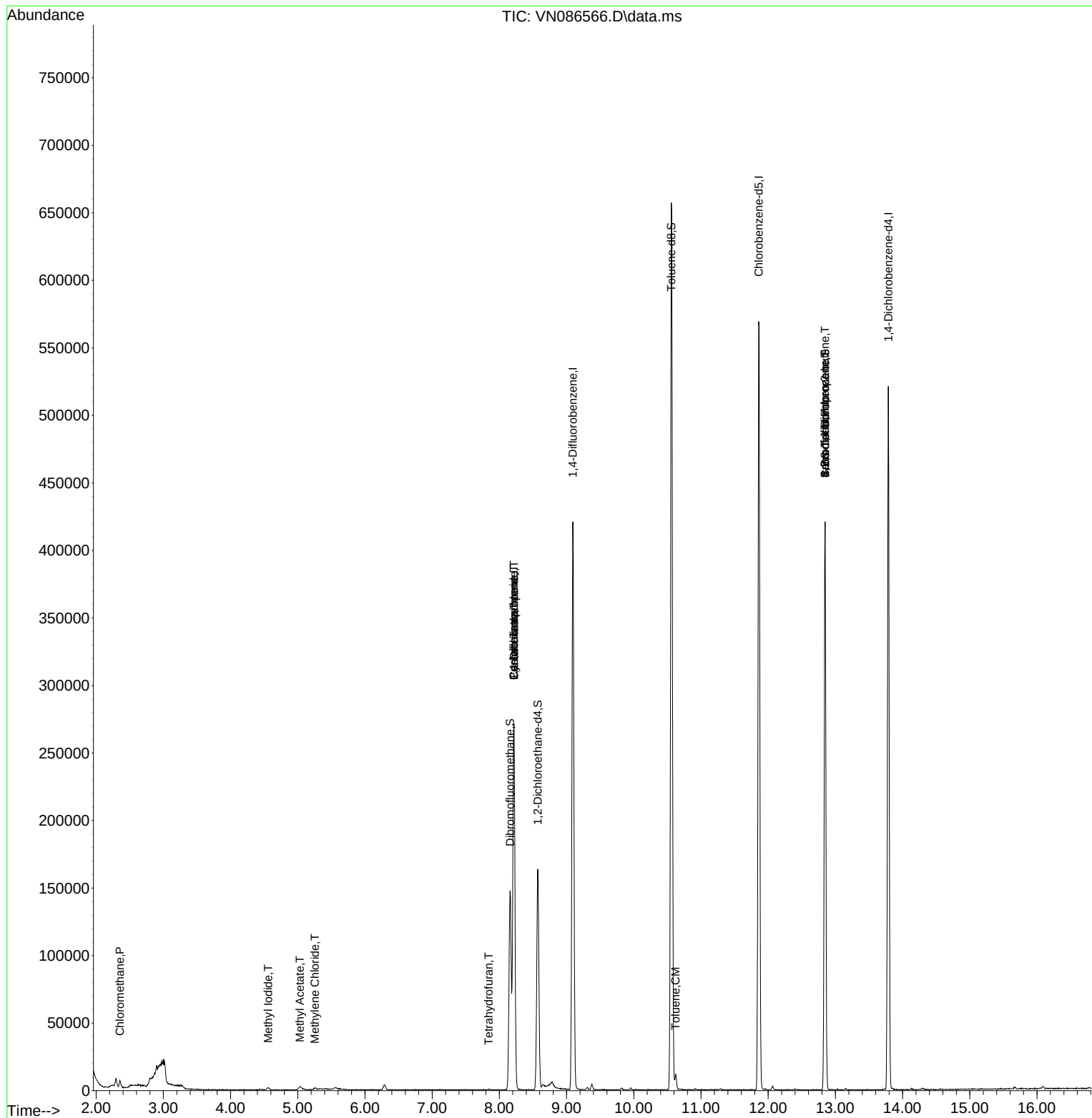
Internal Standards						
1) Pentafluorobenzene	8.218	168	207663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	382058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	348520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	136124	45.204	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.400%
35) Dibromofluoromethane	8.159	113	109343	61.665	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	123.320%
50) Toluene-d8	10.559	98	474971	50.120	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.240%
62) 4-Bromofluorobenzene	12.847	95	156946	45.405	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.820%
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	4533	1.267	ug/l	98
10) Methyl Iodide	4.559	142	2815	1.119	ug/l #	89
16) Acetone	4.447	43	1235	Below Cal	#	88
18) Methyl Acetate	5.030	43	6207	1.717	ug/l	96
20) Methylene Chloride	5.253	84	788	0.283	ug/l #	81
29) Tetrahydrofuran	7.841	42	345	0.275	ug/l #	32
31) Cyclohexane	8.218	56	4268	0.875	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16076	4.539	ug/l #	49
38) Carbon Tetrachloride	8.218	117	20857	6.184	ug/l #	15
43) Isopropyl Acetate	8.659	43	2883	Below Cal	#	55
52) Toluene	10.623	92	3274	0.462	ug/l	97
71) Bromoform	12.847	173	745	0.386	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	77994	22.725	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77994	54.576	ug/l #	10

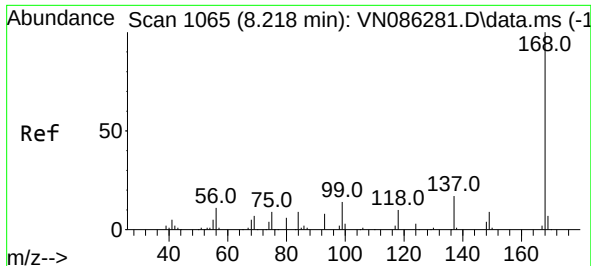
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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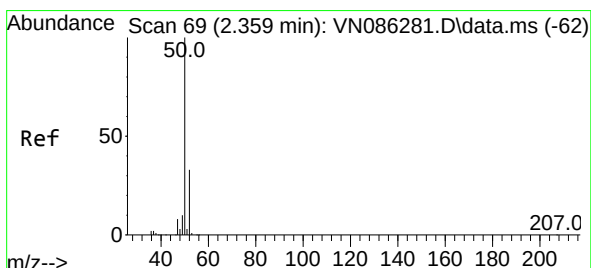
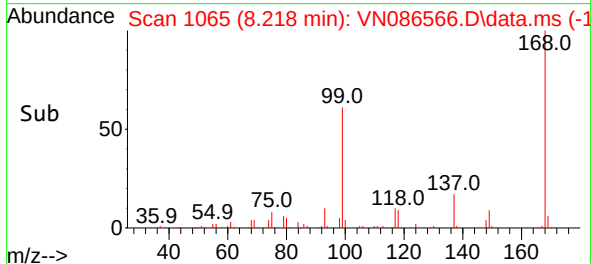
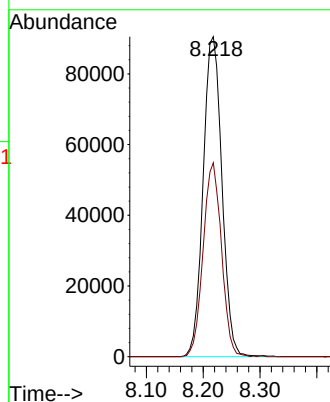
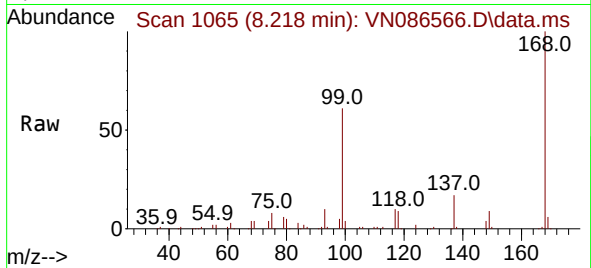




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

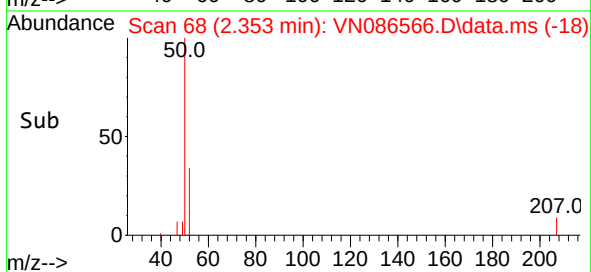
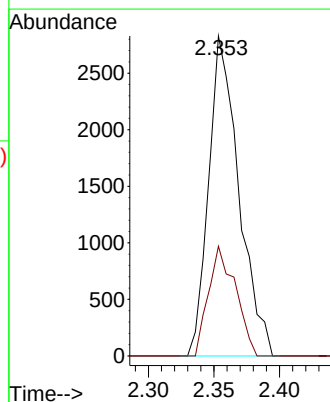
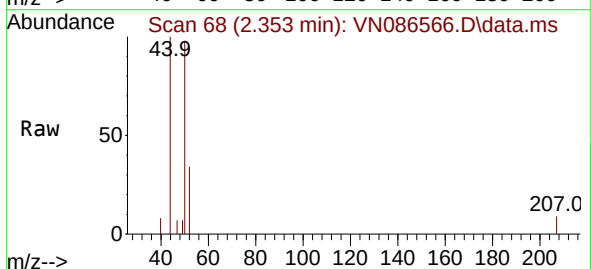
Instrument :
MSVOA_N
ClientSampleId :
3837

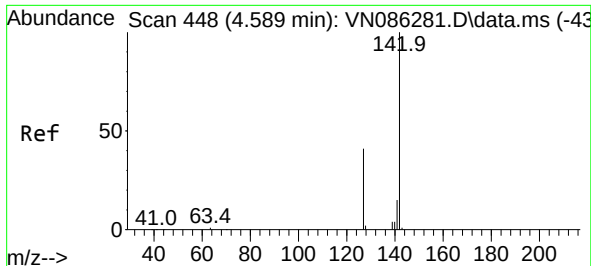
Tgt Ion:168 Resp: 207663
Ion Ratio Lower Upper
168 100
99 60.6 52.5 78.7



#3
Chloromethane
Concen: 1.267 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

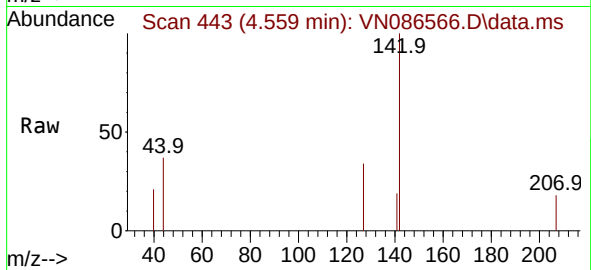
Tgt Ion: 50 Resp: 4533
Ion Ratio Lower Upper
50 100
52 34.3 26.5 39.7



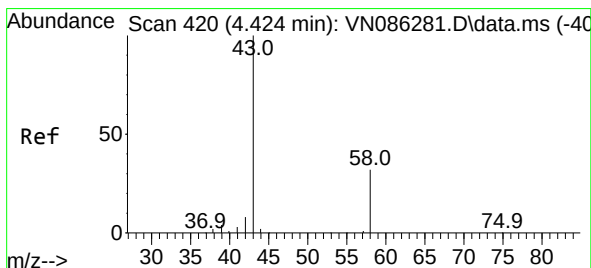
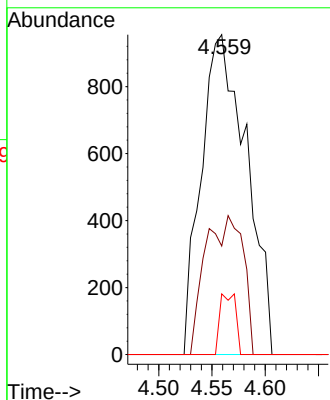
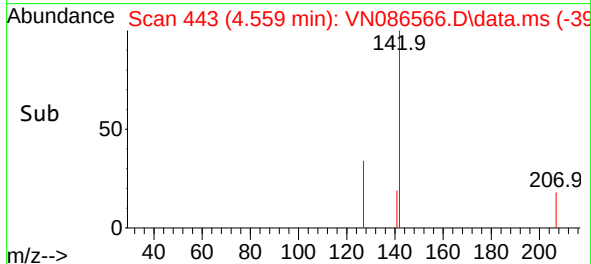


#10
Methyl Iodide
Concen: 1.119 ug/l
RT: 4.559 min Scan# 448
Delta R.T. -0.029 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

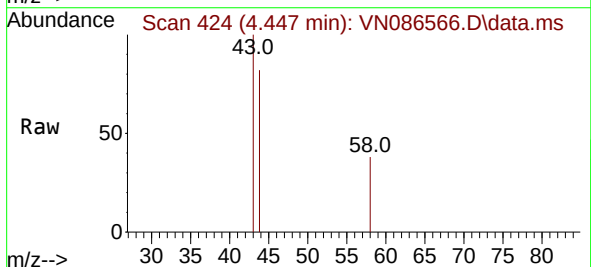
Instrument :
MSVOA_N
ClientSampleId :
3837



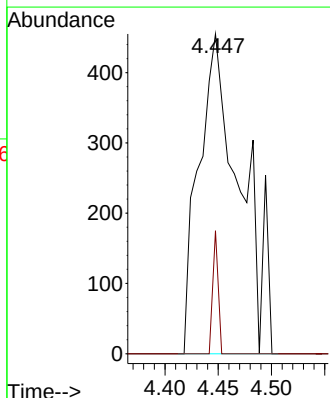
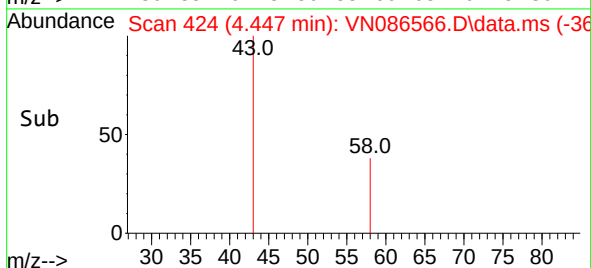
Tgt Ion:142 Resp: 2815
Ion Ratio Lower Upper
142 100
127 33.9 32.7 49.1
141 19.0 11.7 17.5#

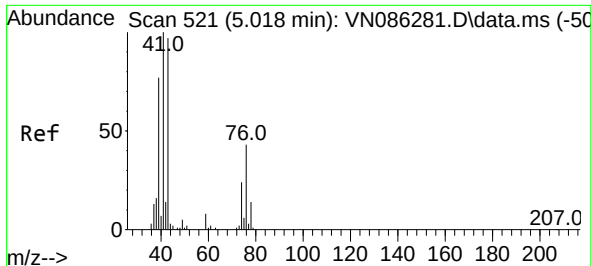


#16
Acetone
Concen: Below Cal
RT: 4.447 min Scan# 424
Delta R.T. 0.023 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56



Tgt Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
58 38.5 25.3 37.9#

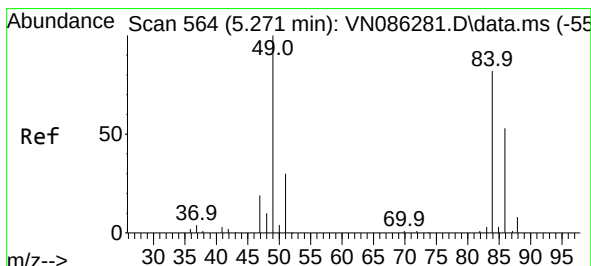
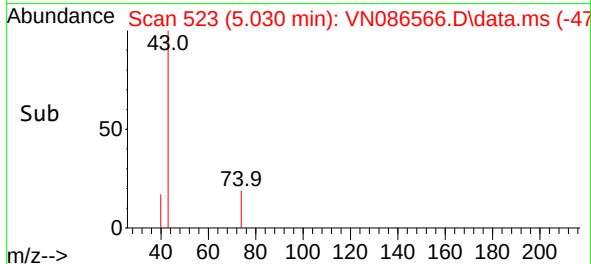
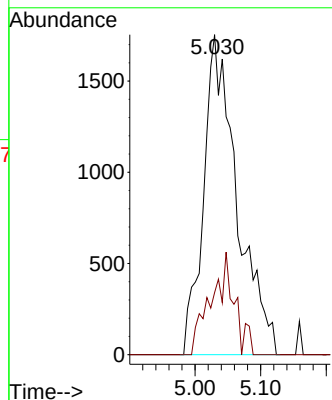
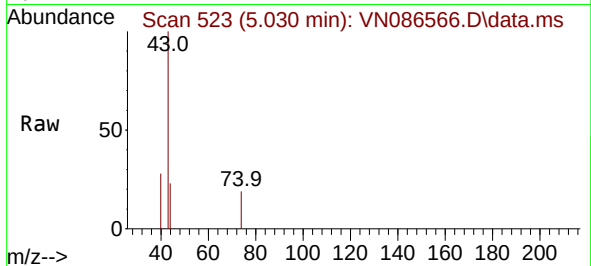




#18
Methyl Acetate
Concen: 1.717 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

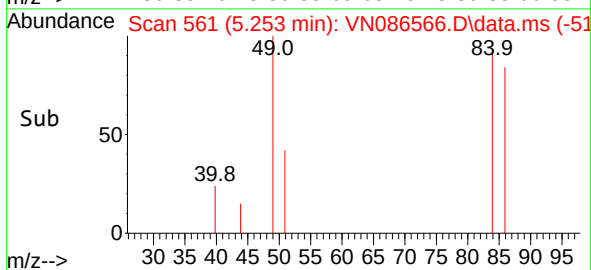
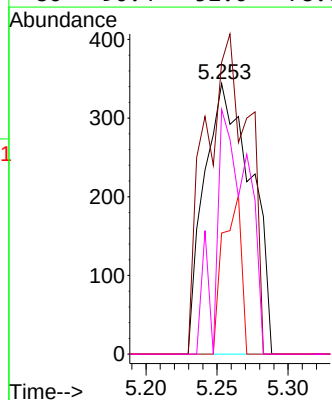
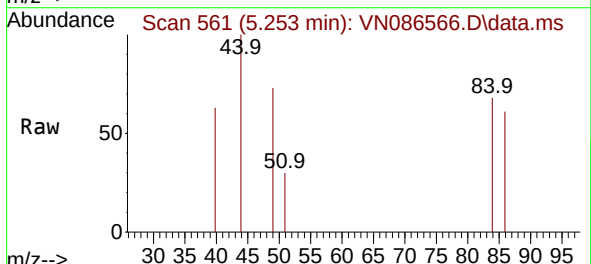
Instrument :
MSVOA_N
ClientSampleId :
3837

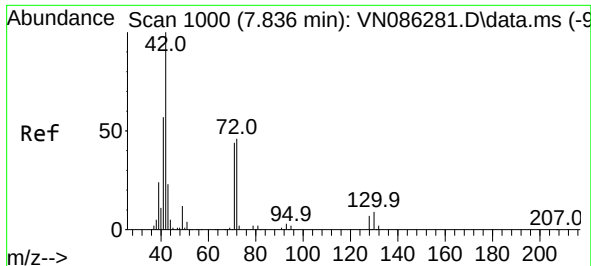
Tgt Ion: 43 Resp: 6207
Ion Ratio Lower Upper
43 100
74 22.5 19.8 29.6



#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 5.253 min Scan# 561
Delta R.T. -0.018 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

Tgt Ion: 84 Resp: 788
Ion Ratio Lower Upper
84 100
49 107.8 98.2 147.2
51 44.8 29.8 44.6#
86 90.4 52.0 78.0#





#29

Tetrahydrofuran

Concen: 0.275 ug/l

RT: 7.841 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VN086566.D

Acq: 09 May 2025 16:56

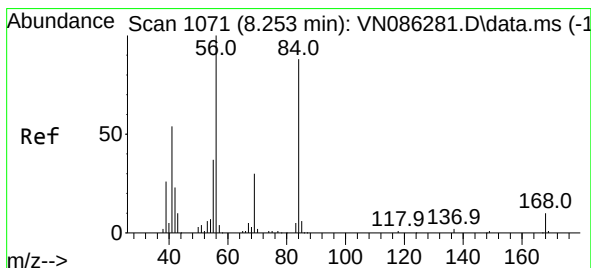
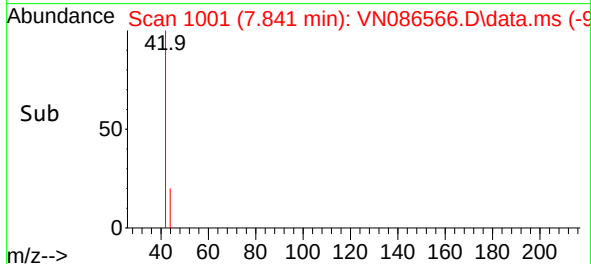
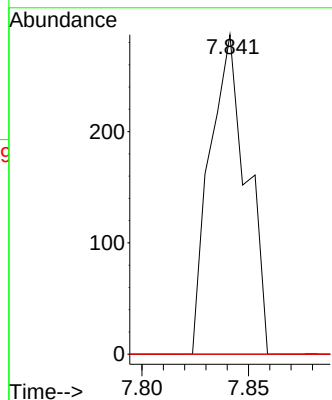
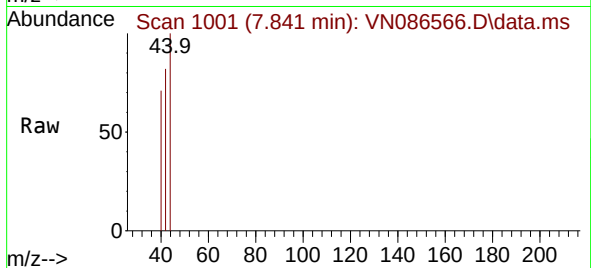
Instrument :

MSVOA_N

ClientSampleId :

3837

Tgt Ion:	42	Resp:	345
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.2	54.4#
71	0.0	34.0	51.0#



#31

Cyclohexane

Concen: 0.875 ug/l

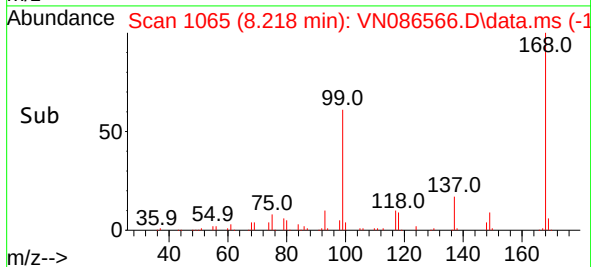
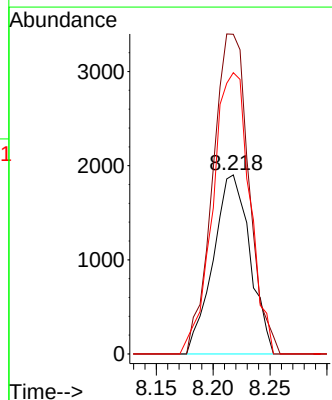
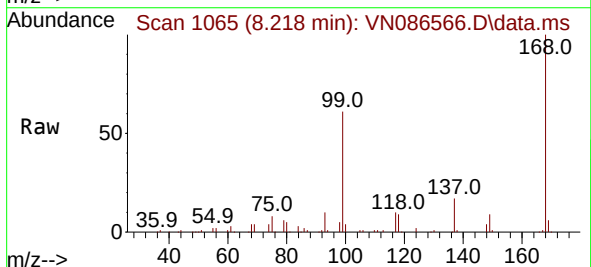
RT: 8.218 min Scan# 1065

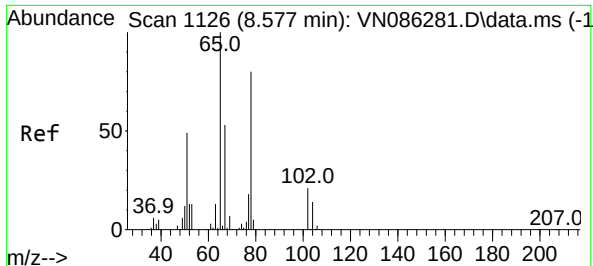
Delta R.T. -0.035 min

Lab File: VN086566.D

Acq: 09 May 2025 16:56

Tgt Ion:	56	Resp:	4268
Ion	Ratio	Lower	Upper
56	100		
69	178.6	24.2	36.2#
84	166.0	70.3	105.5#





#33

1,2-Dichloroethane-d4

Concen: 45.204 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086566.D

Acq: 09 May 2025 16:56

Instrument :

MSVOA_N

ClientSampleId :

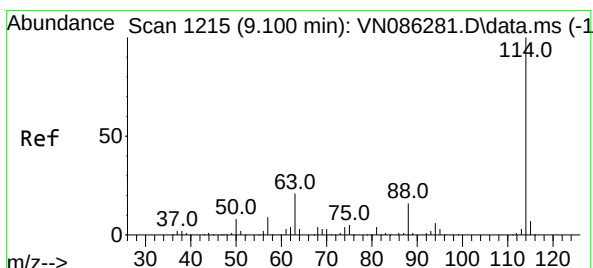
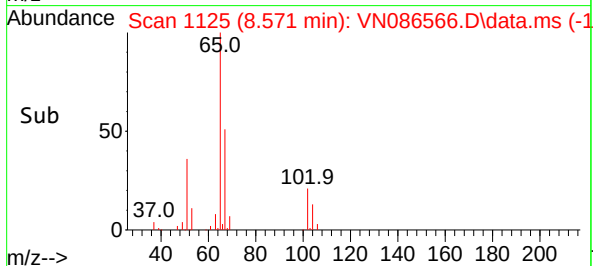
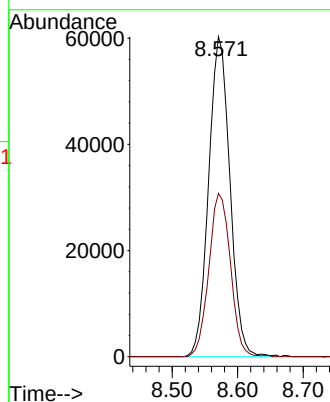
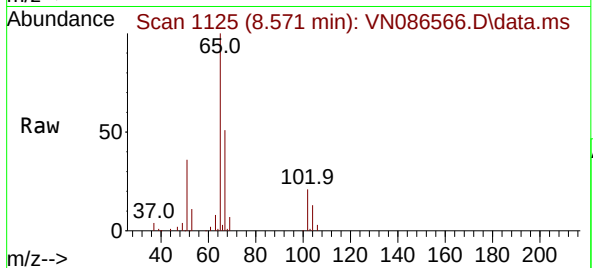
3837

Tgt Ion: 65 Resp: 136124

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086566.D

Acq: 09 May 2025 16:56

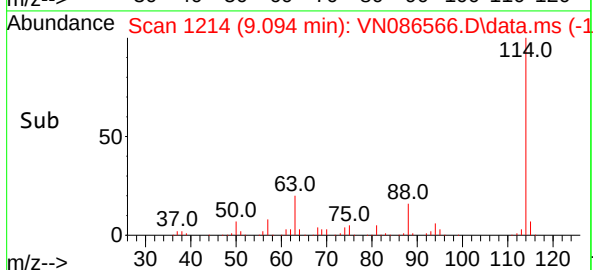
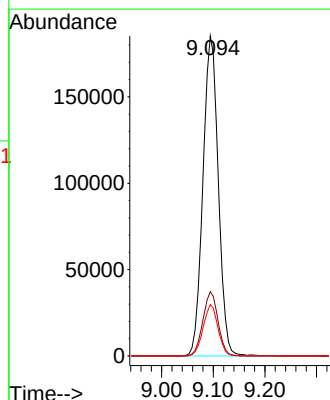
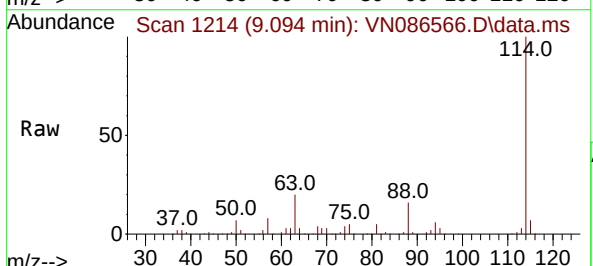
Tgt Ion: 114 Resp: 382058

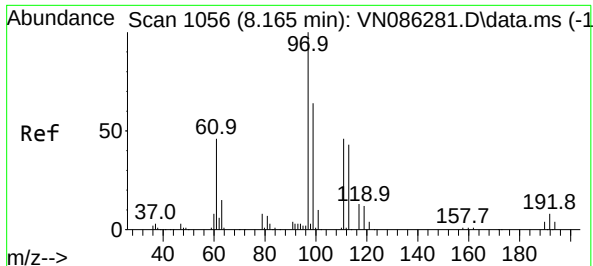
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 61.665 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086566.D

Acq: 09 May 2025 16:56

Instrument :

MSVOA_N

ClientSampleId :

3837

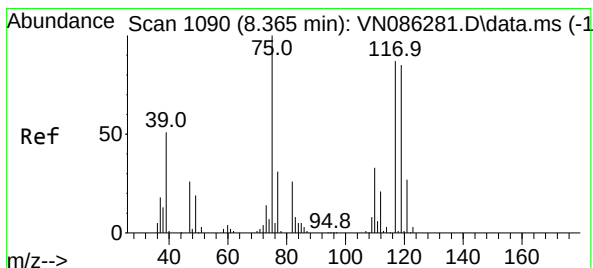
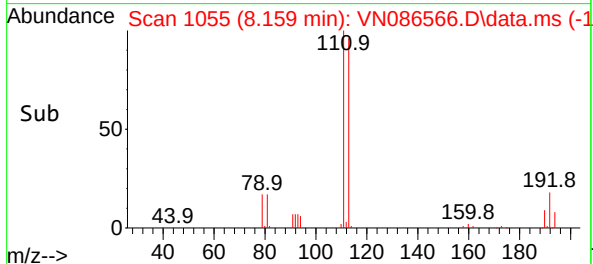
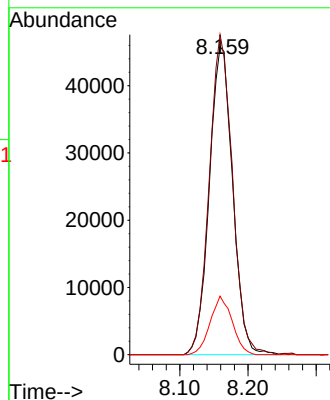
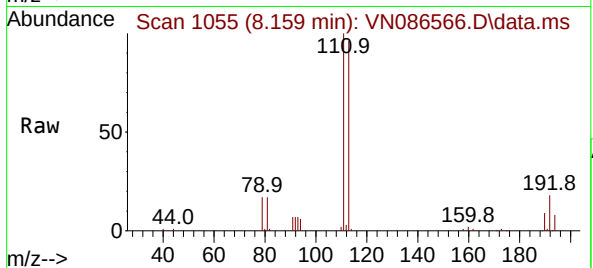
Tgt Ion:113 Resp: 109343

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.0

192 17.9 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.539 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086566.D

Acq: 09 May 2025 16:56

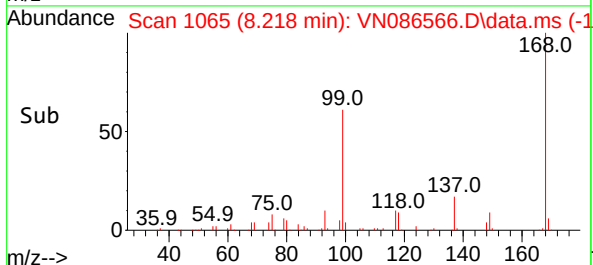
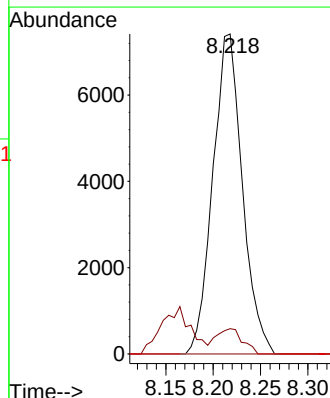
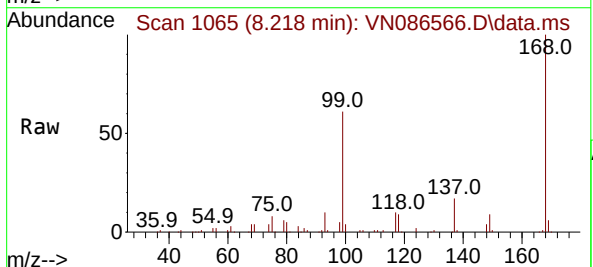
Tgt Ion: 75 Resp: 16076

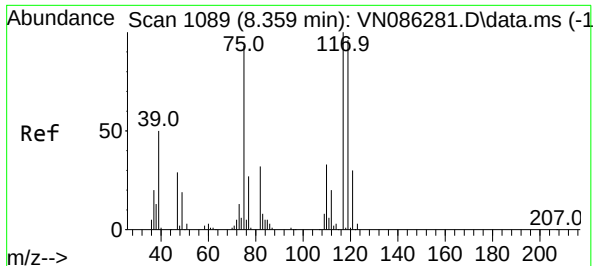
Ion Ratio Lower Upper

75 100

110 7.1 16.8 50.4#

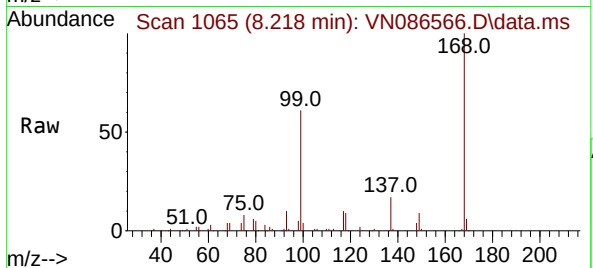
77 0.0 24.9 37.3#



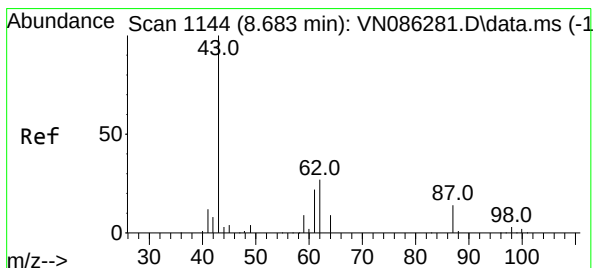
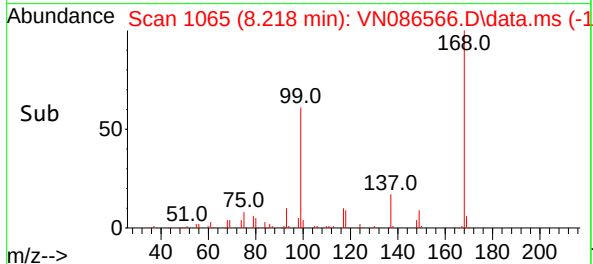
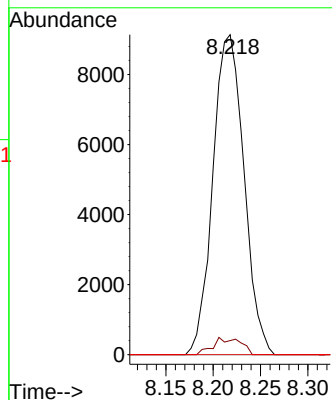


#38
Carbon Tetrachloride
Concen: 6.184 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

Instrument :
MSVOA_N
ClientSampleId :
3837

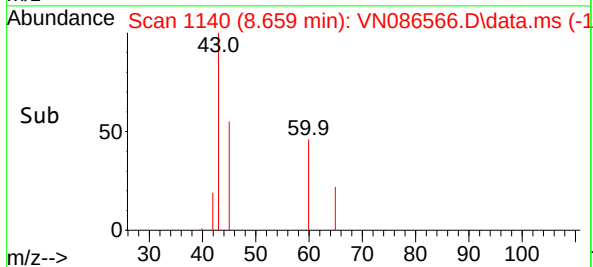
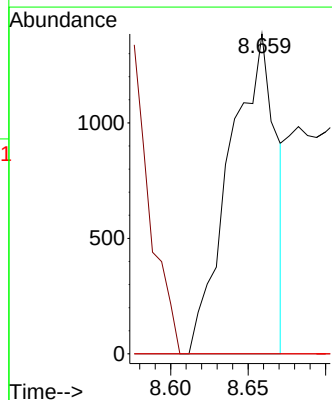
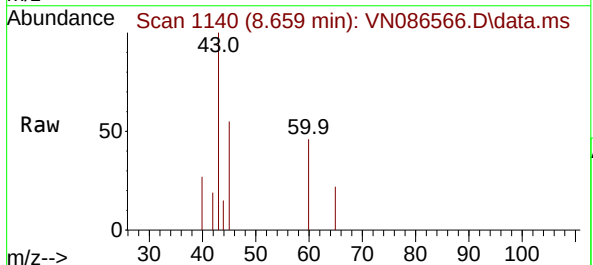


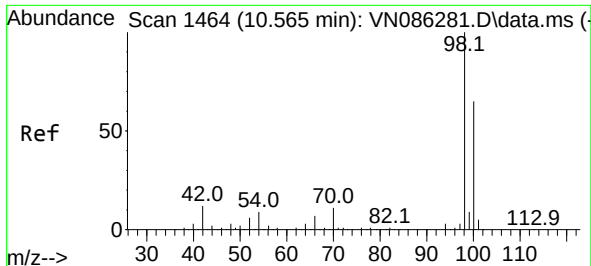
Tgt Ion:117 Resp: 20857
Ion Ratio Lower Upper
117 100
119 4.4 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.659 min Scan# 1140
Delta R.T. -0.024 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

Tgt Ion: 43 Resp: 2883
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

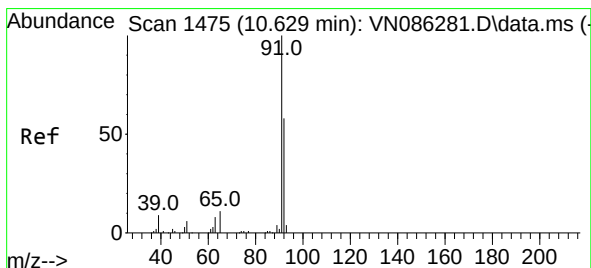
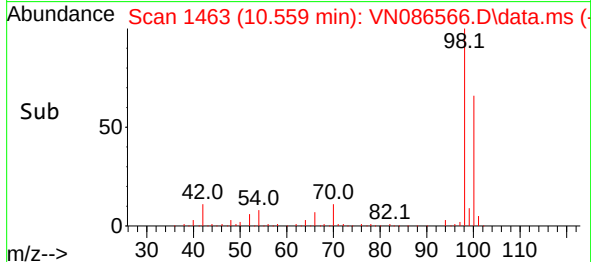
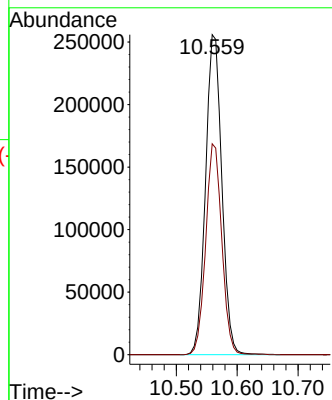
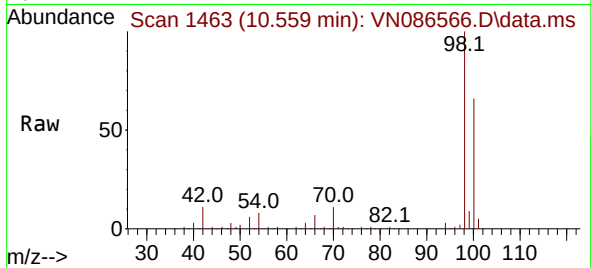




#50
Toluene-d8
Concen: 50.120 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

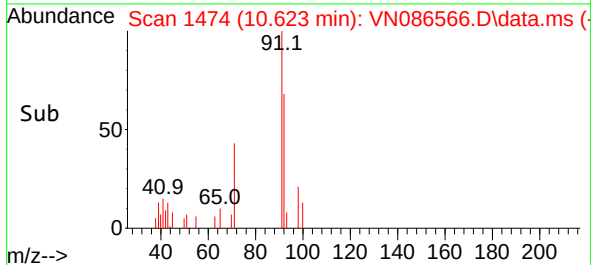
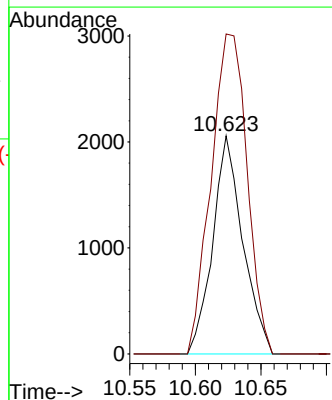
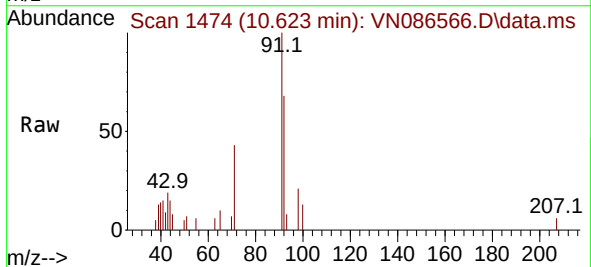
Instrument :
MSVOA_N
ClientSampleId :
3837

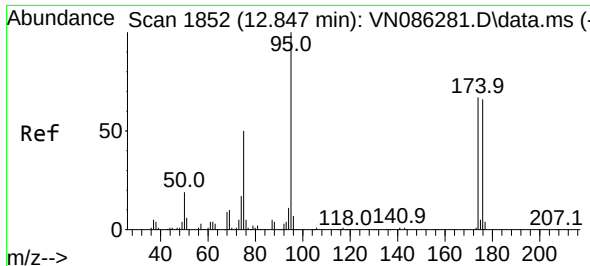
Tgt Ion: 98 Resp: 474971
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#52
Toluene
Concen: 0.462 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

Tgt Ion: 92 Resp: 3274
Ion Ratio Lower Upper
92 100
91 176.0 137.3 205.9

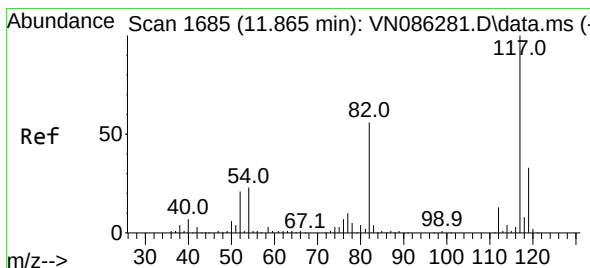
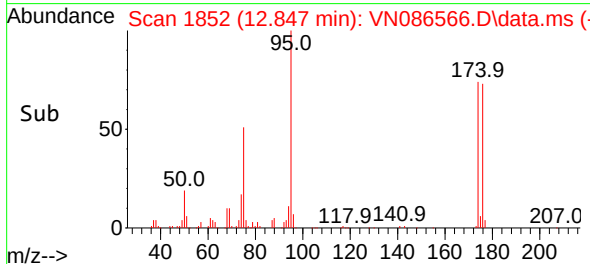
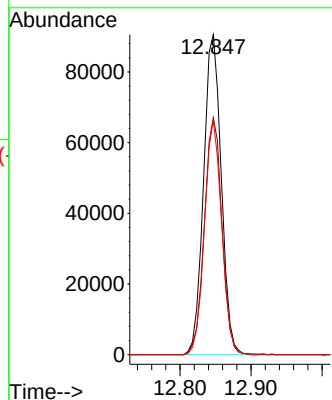
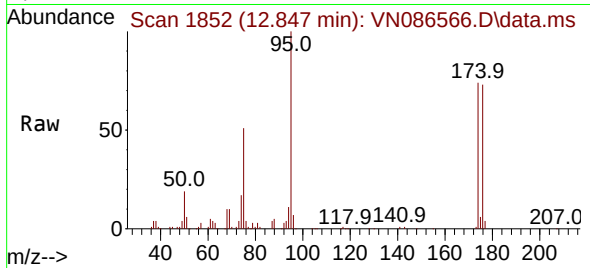




#62
4-Bromofluorobenzene
Concen: 45.405 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

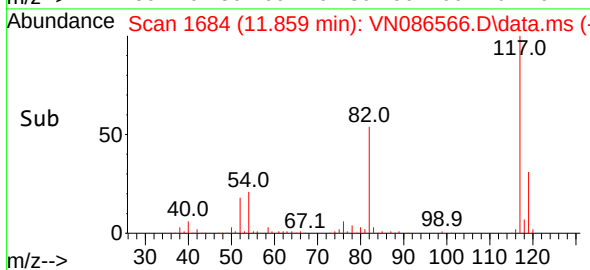
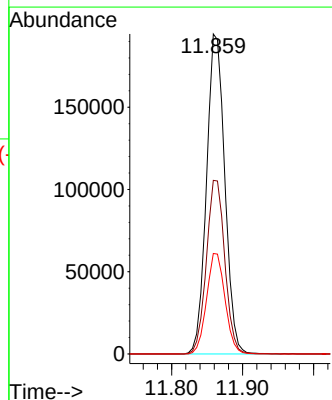
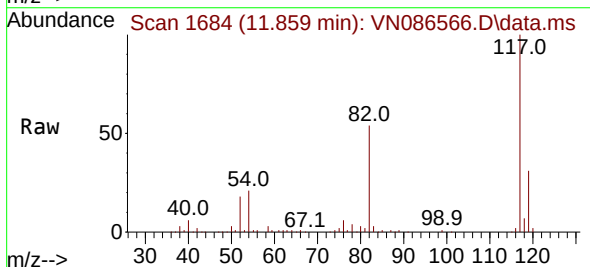
Instrument :
MSVOA_N
ClientSampleId :
3837

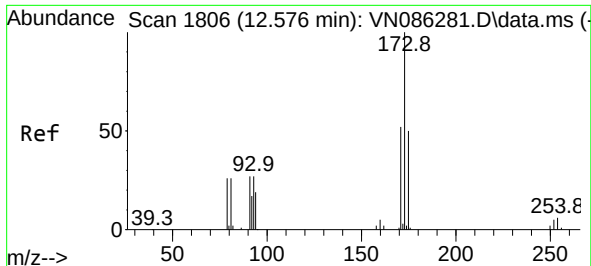
Tgt Ion: 95 Resp: 156946
Ion Ratio Lower Upper
95 100
174 73.6 0.0 133.4
176 71.1 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

Tgt Ion: 117 Resp: 348520
Ion Ratio Lower Upper
117 100
82 54.3 44.7 67.1
119 31.4 26.4 39.6

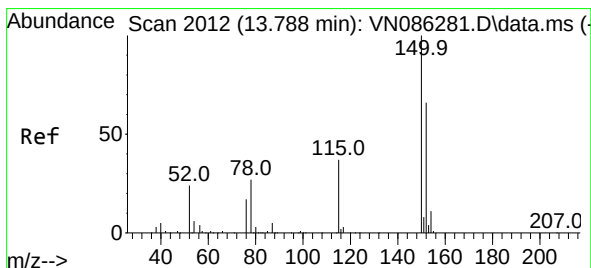
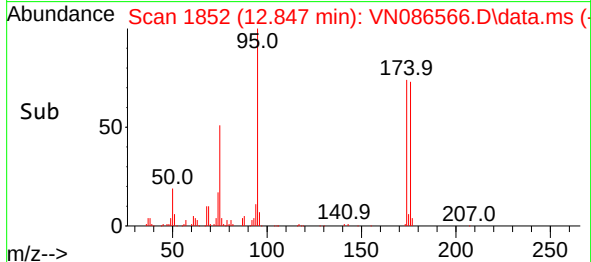
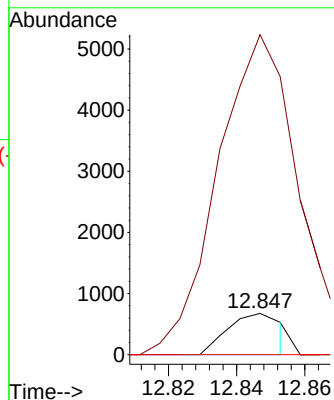
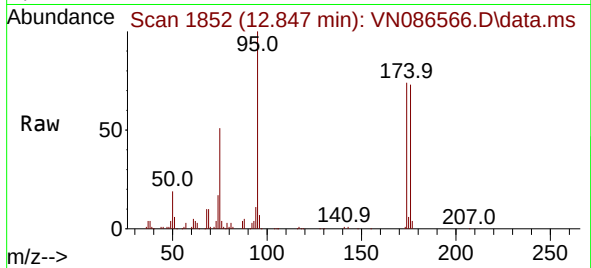




#71
Bromoform
Concen: 0.386 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

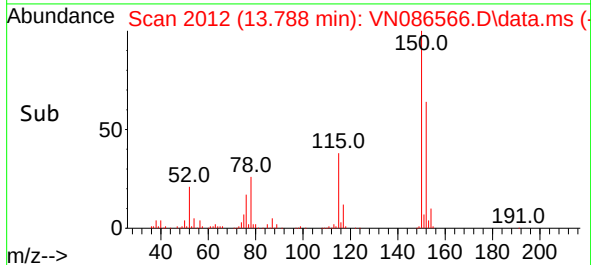
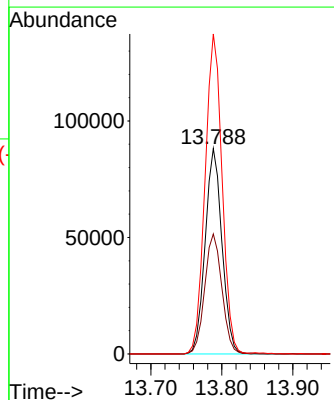
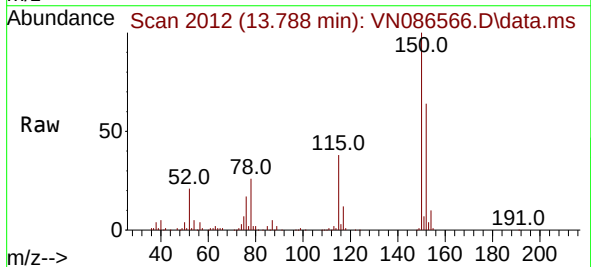
Instrument :
MSVOA_N
ClientSampleId :
3837

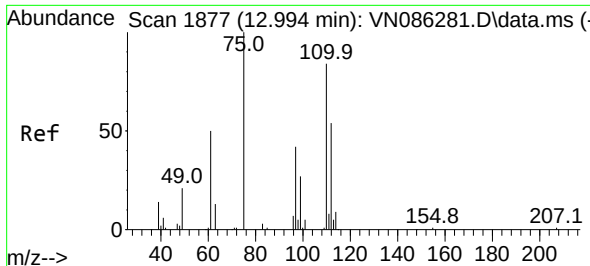
Tgt Ion:173 Resp: 745
Ion Ratio Lower Upper
173 100
175 937.9 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

Tgt Ion:152 Resp: 145439
Ion Ratio Lower Upper
152 100
115 59.7 31.9 95.9
150 157.2 0.0 352.0

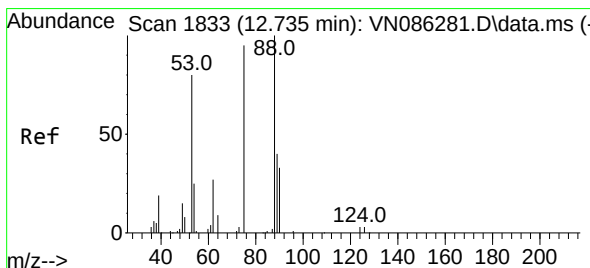
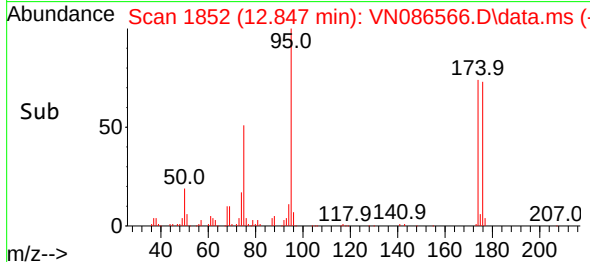
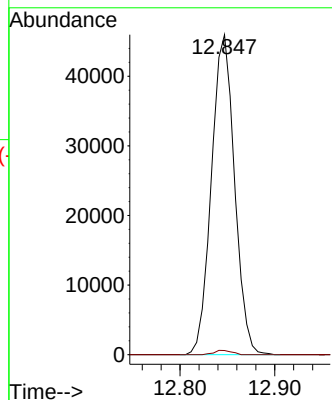
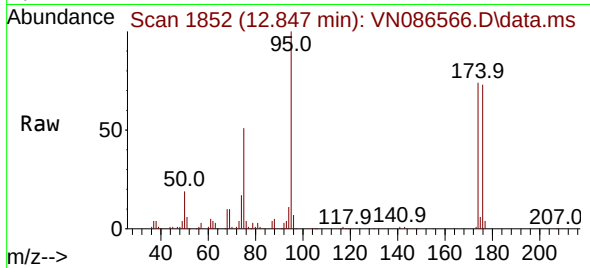




#76
1,2,3-Trichloropropane
Concen: 22.725 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

Instrument :
MSVOA_N
ClientSampleId :
3837

Tgt Ion: 75 Resp: 77994
Ion Ratio Lower Upper
75 100
77 1.0 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.576 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086566.D
Acq: 09 May 2025 16:56

Tgt Ion: 75 Resp: 77994
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

