

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086555.D
 Acq On : 09 May 2025 11:58
 Operator : JC\MD
 Sample : VN0509WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBL01

Quant Time: May 09 23:24:39 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)

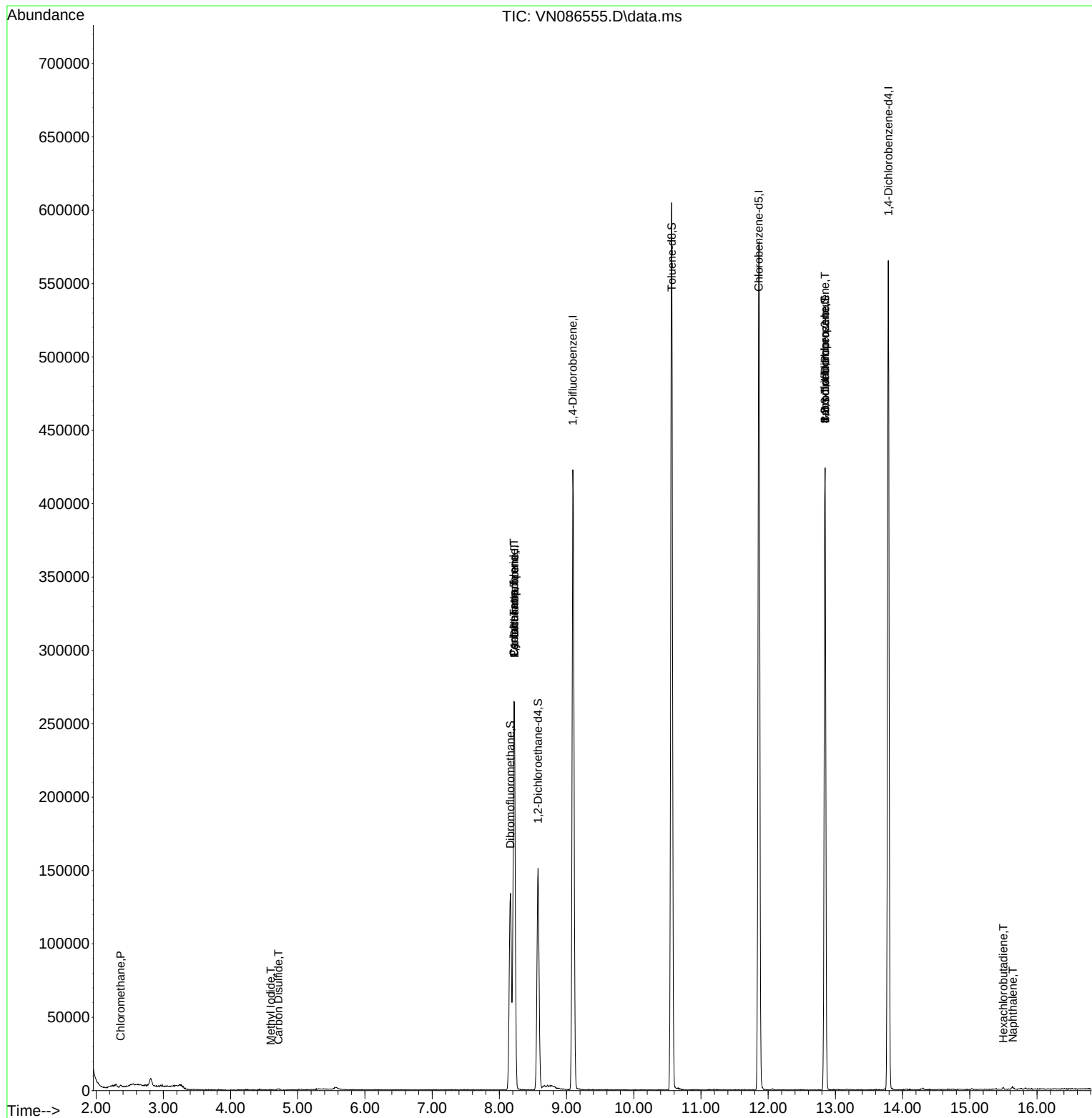
Internal Standards						
1) Pentafluorobenzene	8.224	168	201286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	373959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	351490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124879	42.784	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.560%		
35) Dibromofluoromethane	8.165	113	100414	57.856	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	115.720%		
50) Toluene-d8	10.565	98	424807	45.797	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.600%		
62) 4-Bromofluorobenzene	12.847	95	154238	45.588	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.180%		
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	939	0.271	ug/l	89
10) Methyl Iodide	4.600	142	603	0.247	ug/l #	42
16) Acetone	4.436	43	456	Below Cal	#	43
17) Carbon Disulfide	4.712	76	1930	0.272	ug/l #	74
31) Cyclohexane	8.218	56	4143	0.876	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	15658	4.517	ug/l #	50
38) Carbon Tetrachloride	8.218	117	20193	6.117	ug/l #	15
43) Isopropyl Acetate	8.677	43	2767	Below Cal	#	55
71) Bromoform	12.847	173	790	0.405	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	77266	21.499	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77266	51.633	ug/l #	10
94) Hexachlorobutadiene	15.500	225	252	0.277	ug/l	81
95) Naphthalene	15.641	128	2535	0.297	ug/l #	83

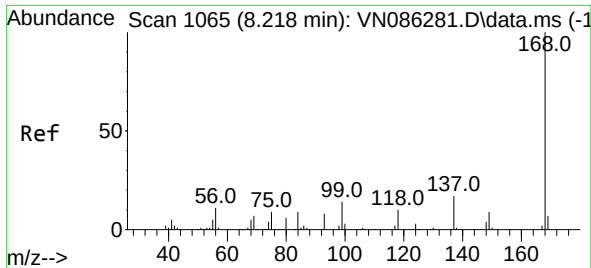
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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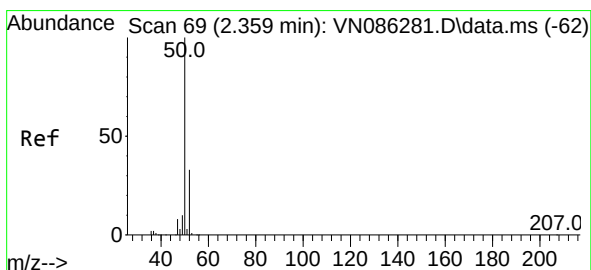
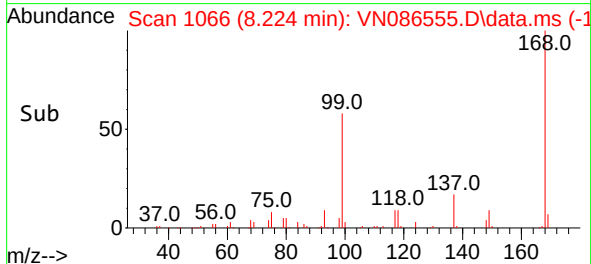
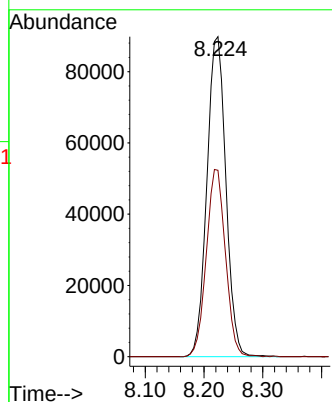
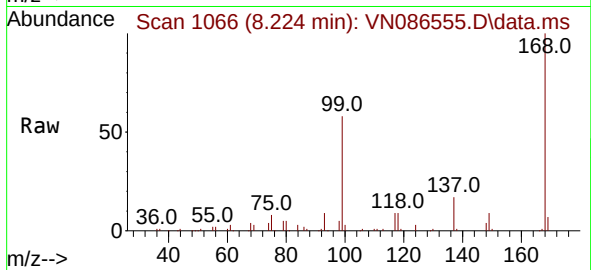




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

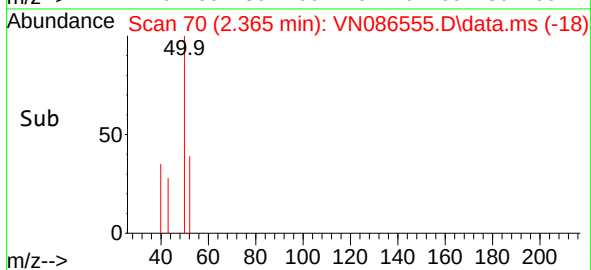
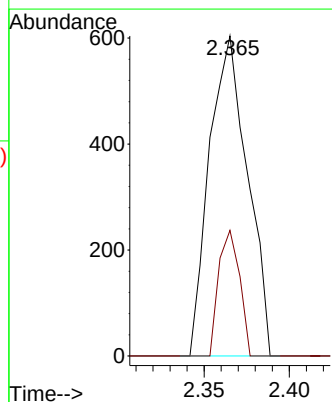
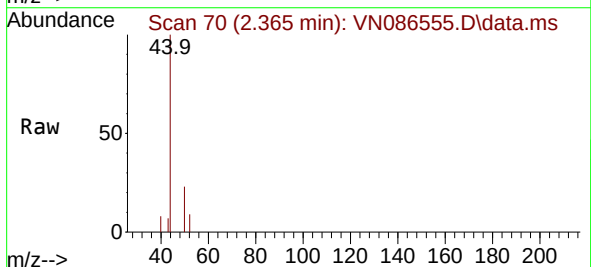
Instrument :
MSVOA_N
ClientSampleId :
VN0509WBL01

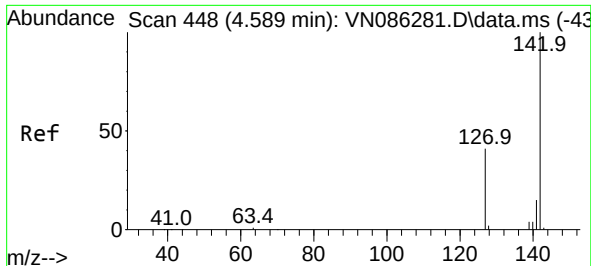
Tgt Ion:168 Resp: 201286
Ion Ratio Lower Upper
168 100
99 58.3 52.5 78.7



#3
Chloromethane
Concen: 0.271 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

Tgt Ion: 50 Resp: 939
Ion Ratio Lower Upper
50 100
52 39.2 26.5 39.7

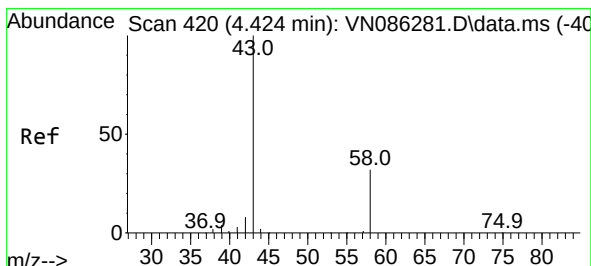
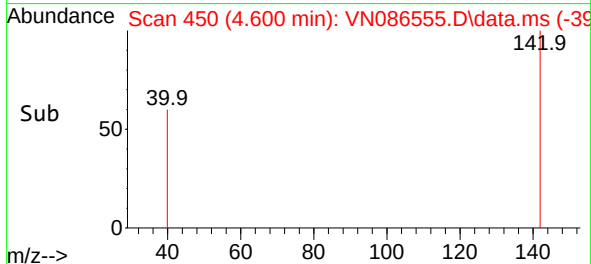
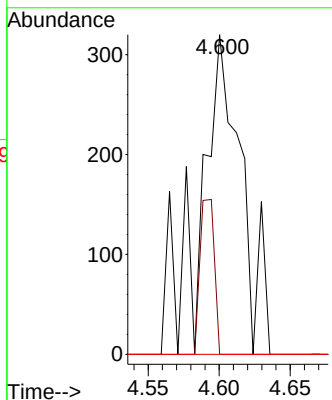
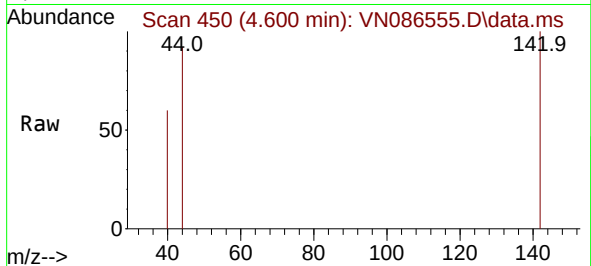




#10
Methyl Iodide
Concen: 0.247 ug/l
RT: 4.600 min Scan# 412
Delta R.T. 0.012 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

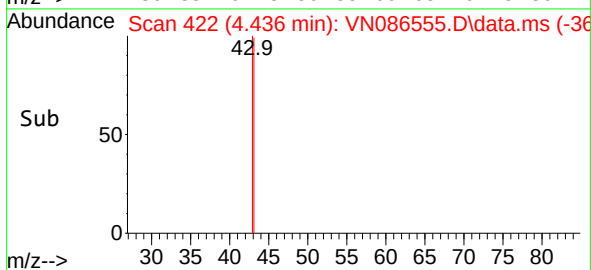
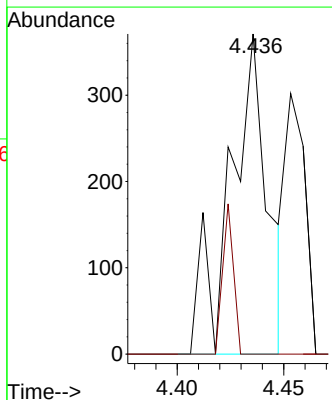
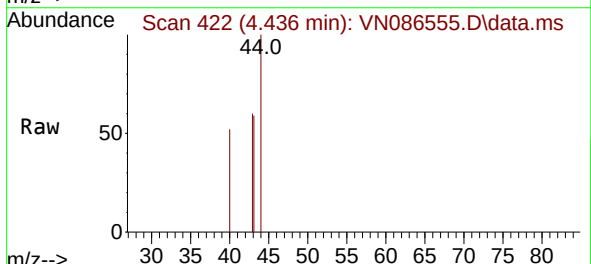
Instrument :
MSVOA_N
ClientSampleId :
VN0509WBL01

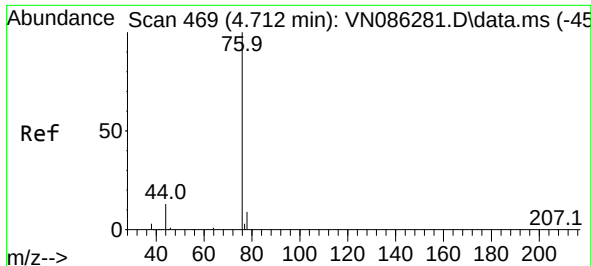
Tgt Ion:	142	Resp:	603
Ion	Ratio	Lower	Upper
142	100		
127	0.0	32.7	49.1#
141	0.0	11.7	17.5#



#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

Tgt Ion:	43	Resp:	456
Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.3	37.9#

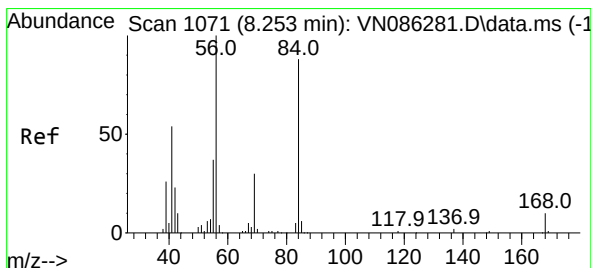
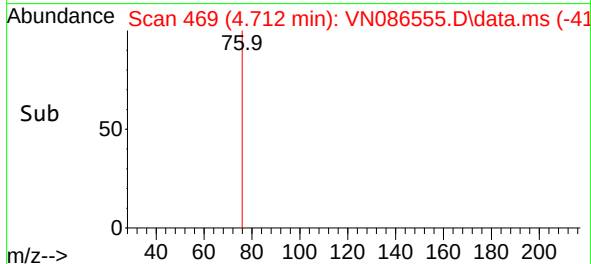
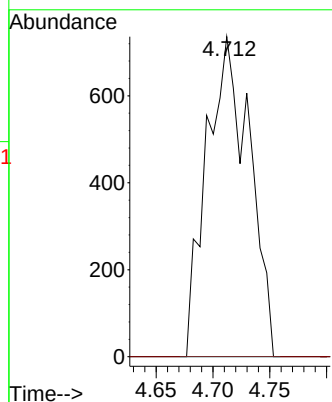
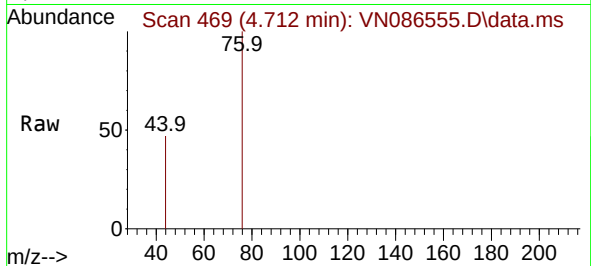




#17
Carbon Disulfide
Concen: 0.272 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

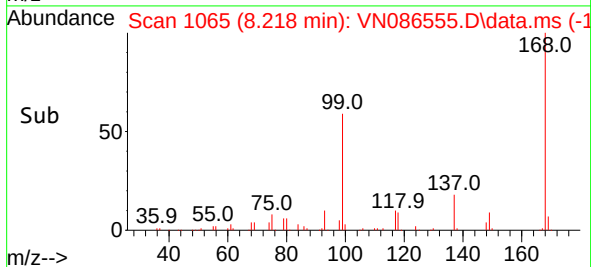
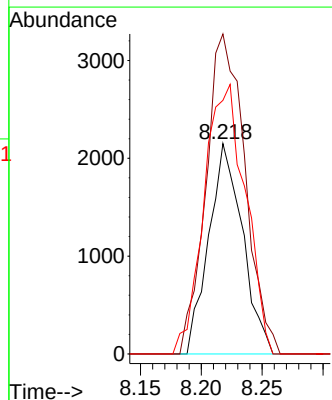
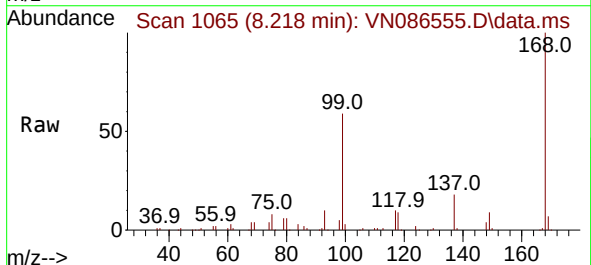
Instrument :
MSVOA_N
ClientSampleId :
VN0509WBL01

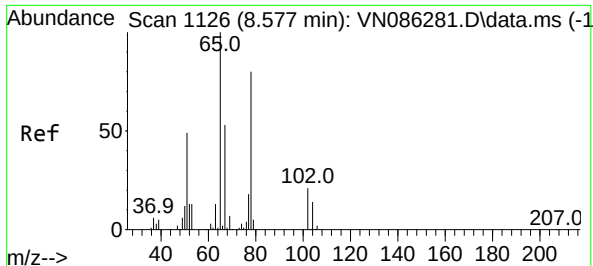
Tgt Ion: 76 Resp: 1930
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#31
Cyclohexane
Concen: 0.876 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

Tgt Ion: 56 Resp: 4143
Ion Ratio Lower Upper
56 100
69 152.1 24.2 36.2#
84 120.5 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 42.784 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086555.D

Acq: 09 May 2025 11:58

Instrument :

MSVOA_N

ClientSampleId :

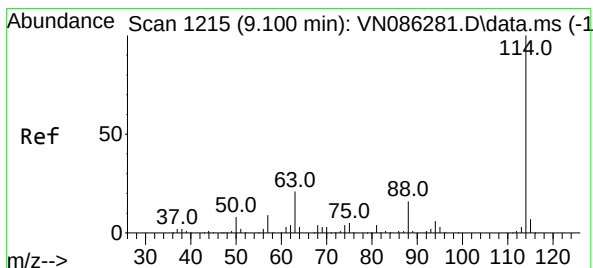
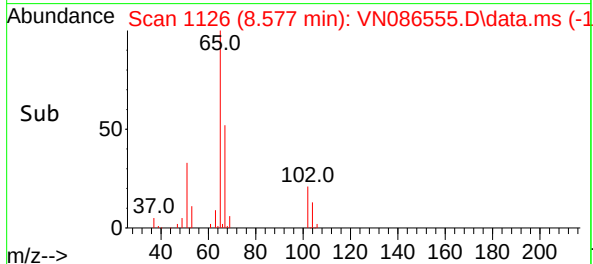
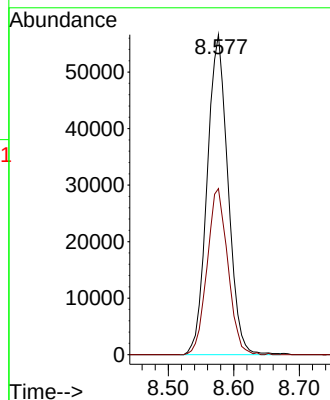
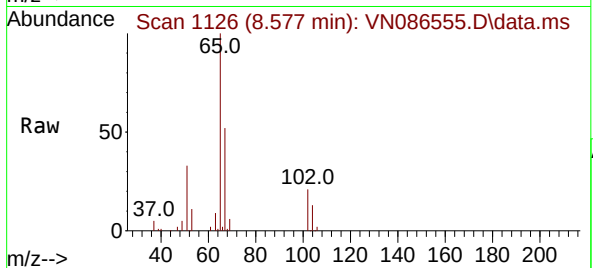
VN0509WBL01

Tgt Ion: 65 Resp: 124879

Ion Ratio Lower Upper

65 100

67 51.7 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: VN086555.D

Acq: 09 May 2025 11:58

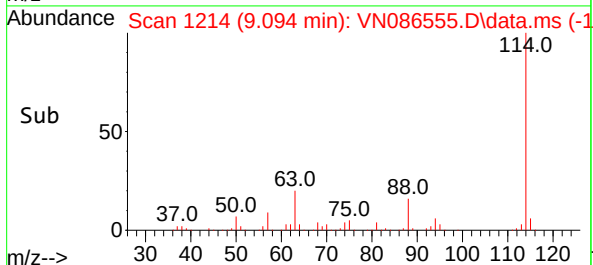
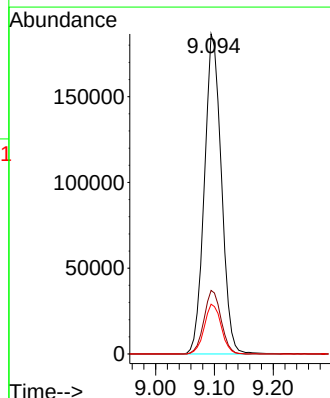
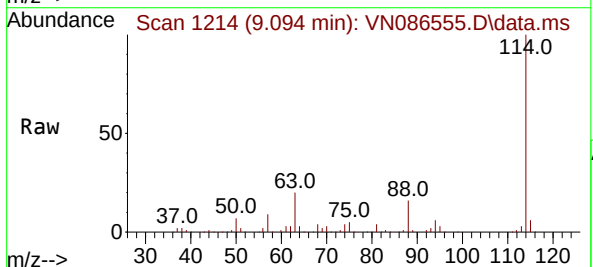
Tgt Ion: 114 Resp: 373959

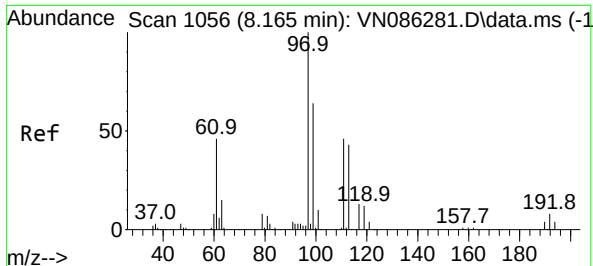
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 57.856 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086555.D

Acq: 09 May 2025 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBL01

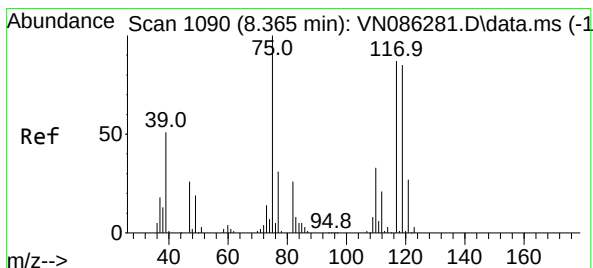
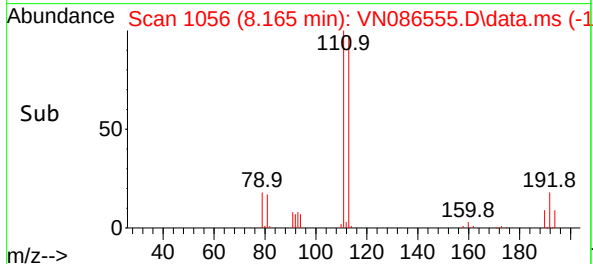
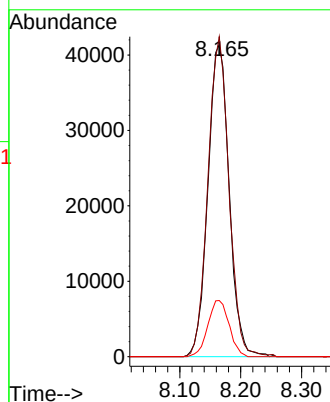
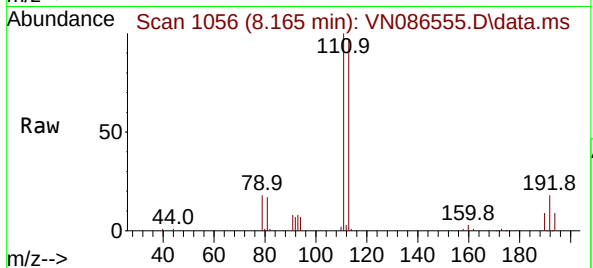
Tgt Ion:113 Resp: 100414

Ion Ratio Lower Upper

113 100

111 101.3 83.4 125.0

192 18.0 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.517 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086555.D

Acq: 09 May 2025 11:58

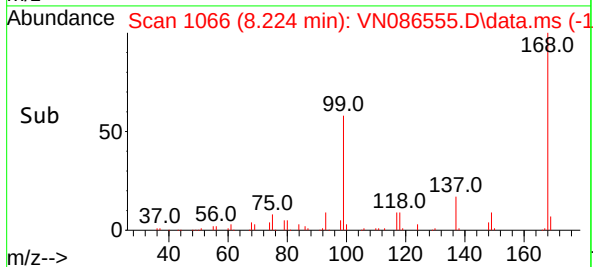
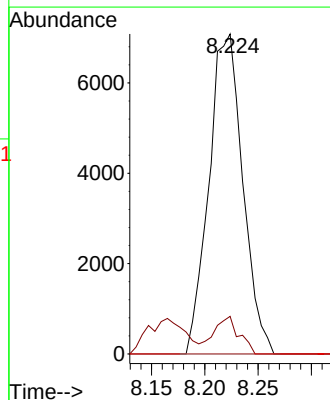
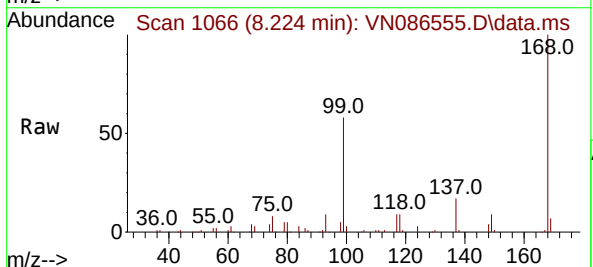
Tgt Ion: 75 Resp: 15658

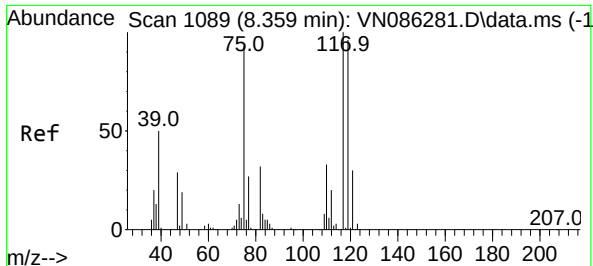
Ion Ratio Lower Upper

75 100

110 8.8 16.8 50.4#

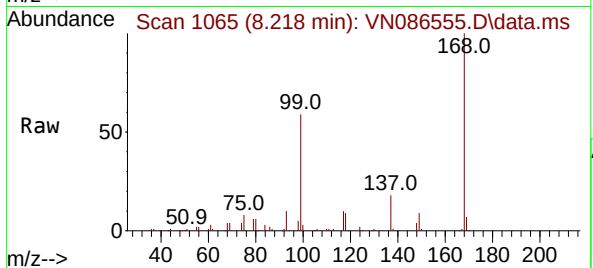
77 0.0 24.9 37.3#



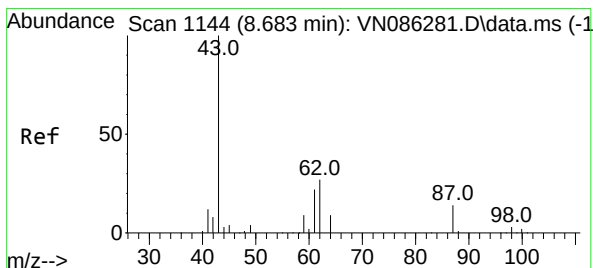
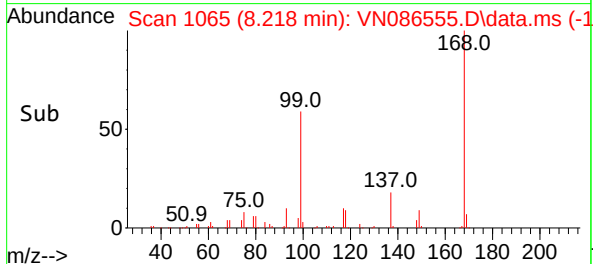
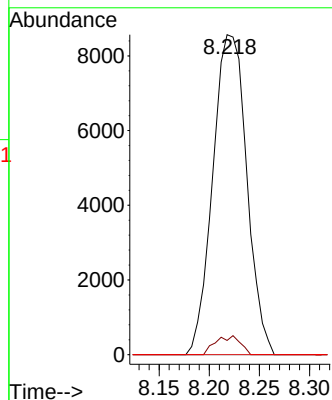


#38
Carbon Tetrachloride
Concen: 6.117 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBL01

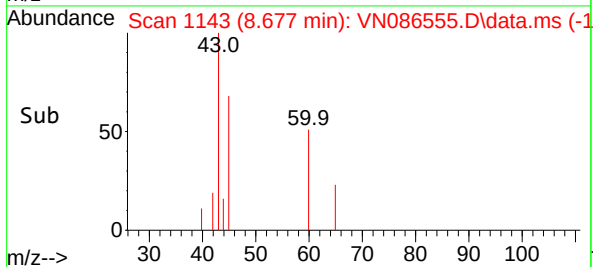
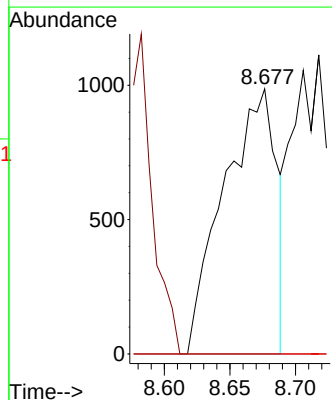
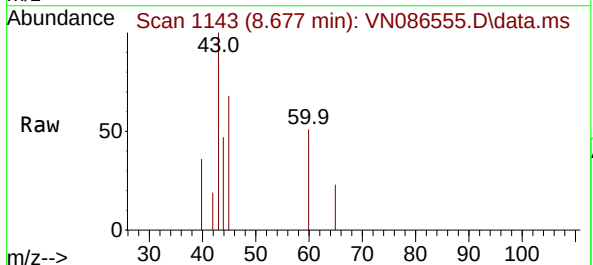


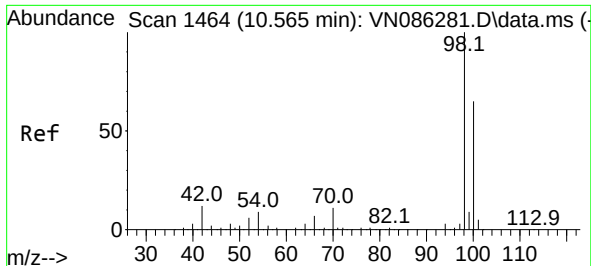
Tgt Ion:117 Resp: 20193
Ion Ratio Lower Upper
117 100
119 4.5 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.677 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

Tgt Ion: 43 Resp: 2767
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

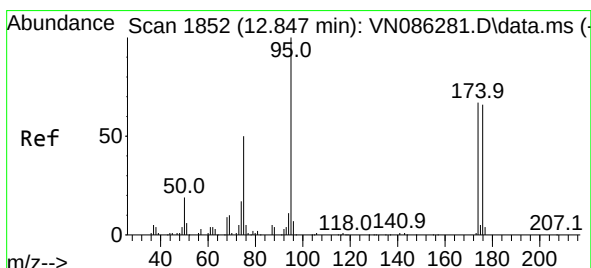
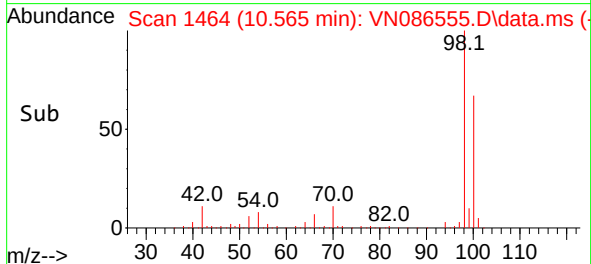
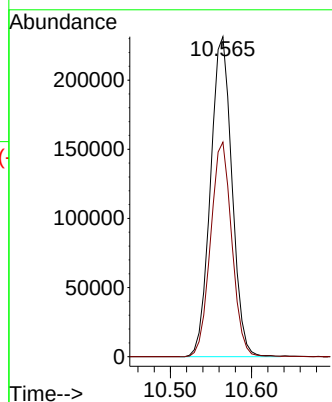
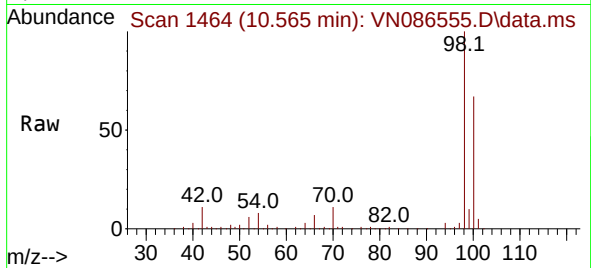




#50
Toluene-d8
Concen: 45.797 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

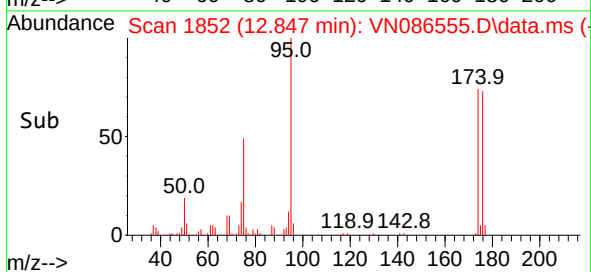
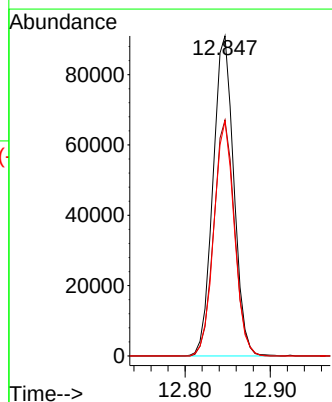
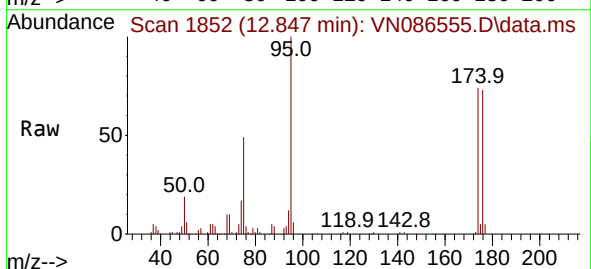
Instrument :
MSVOA_N
ClientSampleId :
VN0509WBL01

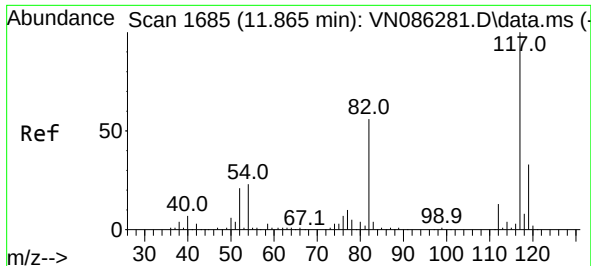
Tgt Ion: 98 Resp: 424807
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 45.588 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

Tgt Ion: 95 Resp: 154238
Ion Ratio Lower Upper
95 100
174 73.6 0.0 133.4
176 72.0 0.0 129.2

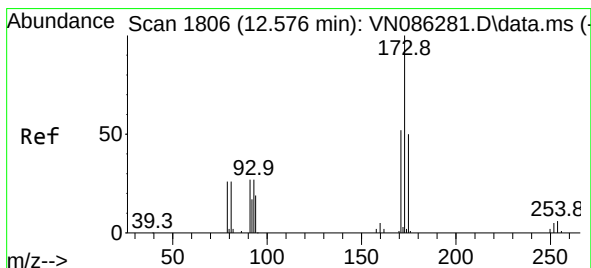
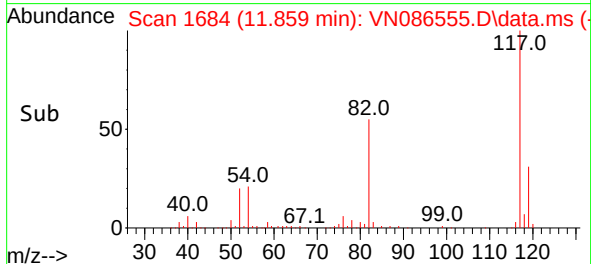
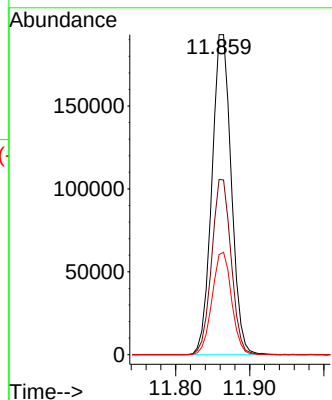
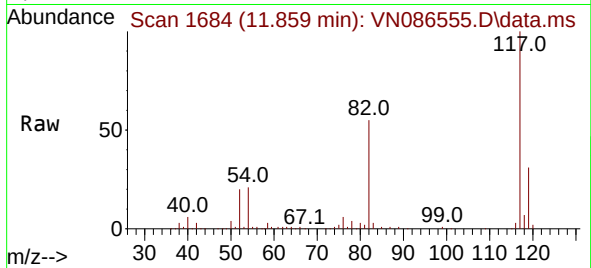




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

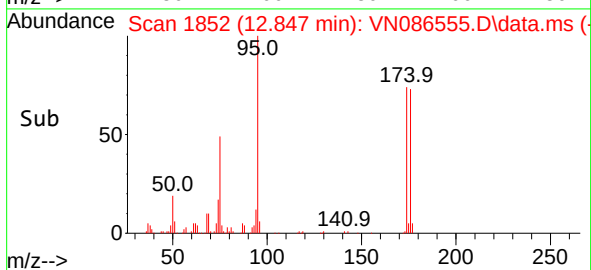
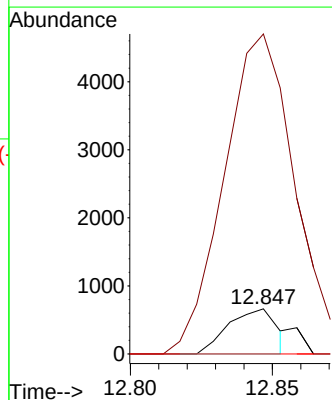
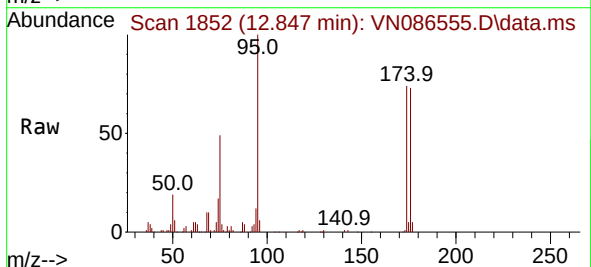
Instrument :
MSVOA_N
ClientSampleId :
VN0509WBL01

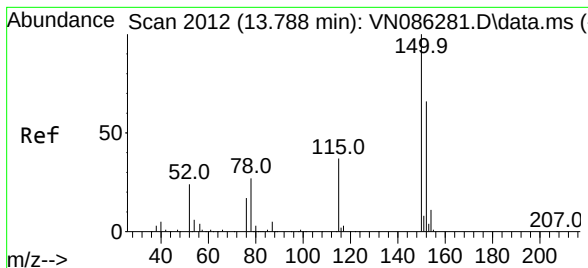
Tgt Ion:117 Resp: 351490
Ion Ratio Lower Upper
117 100
82 54.7 44.7 67.1
119 31.3 26.4 39.6



#71
Bromoform
Concen: 0.405 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

Tgt Ion:173 Resp: 790
Ion Ratio Lower Upper
173 100
175 840.0 24.6 73.6#
254 0.0 0.0 0.0

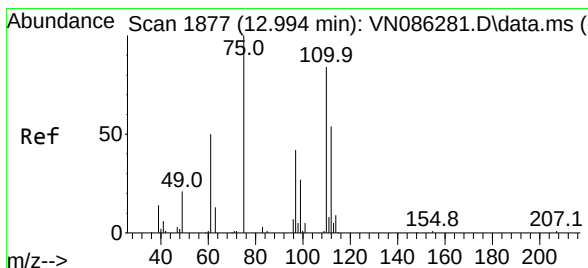
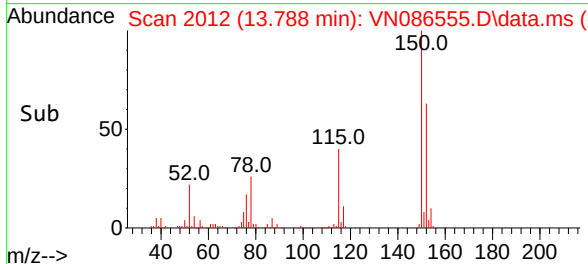
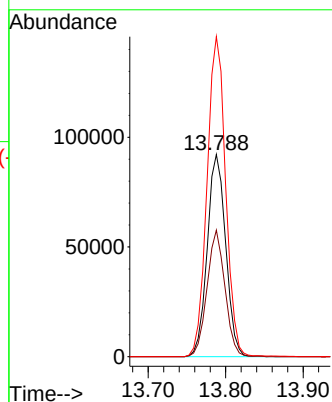
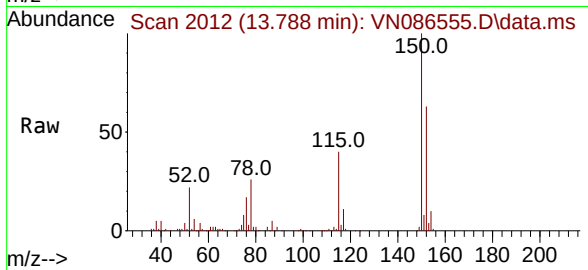




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086555.D
 Acq: 09 May 2025 11:58

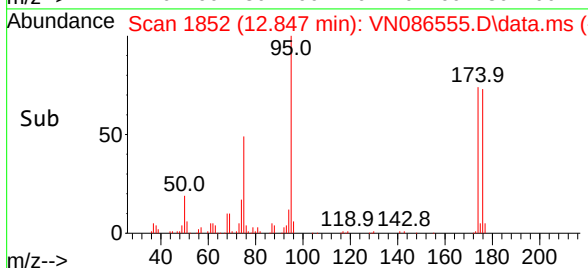
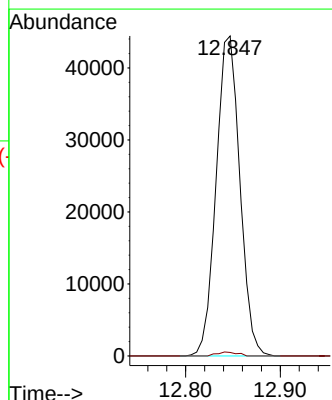
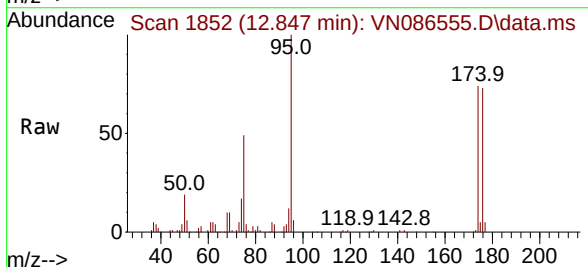
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBL01

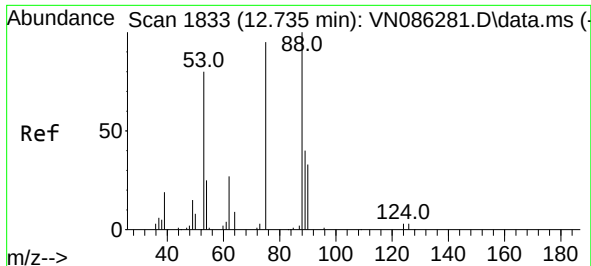
Tgt Ion:152 Resp: 152295
 Ion Ratio Lower Upper
 152 100
 115 60.8 31.9 95.9
 150 159.6 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 21.499 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086555.D
 Acq: 09 May 2025 11:58

Tgt Ion: 75 Resp: 77266
 Ion Ratio Lower Upper
 75 100
 77 1.1 98.8 296.4#

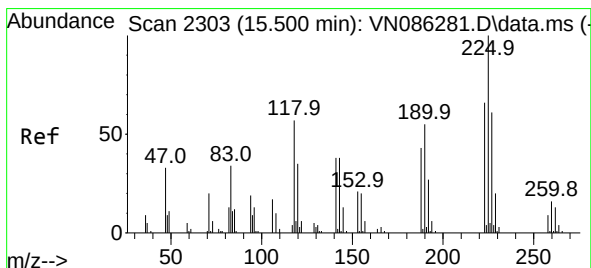
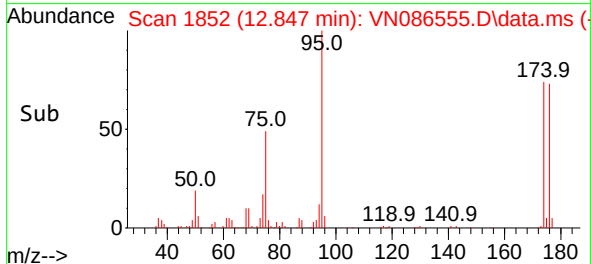
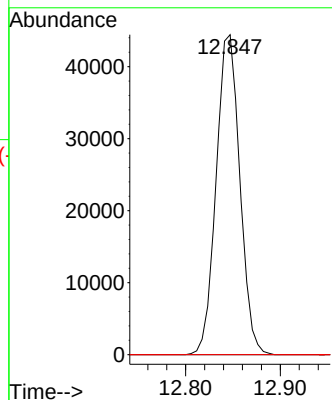
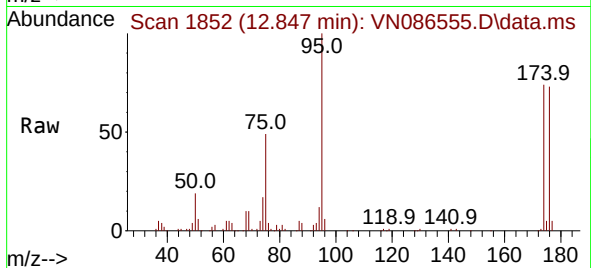




#81
trans-1,4-Dichloro-2-butene
Concen: 51.633 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

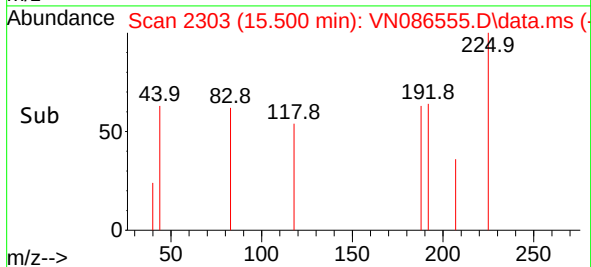
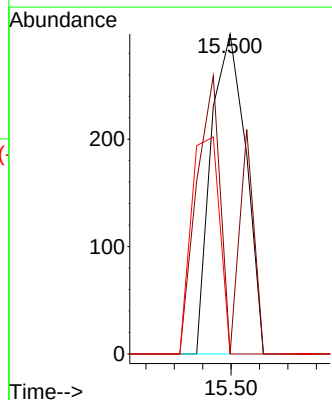
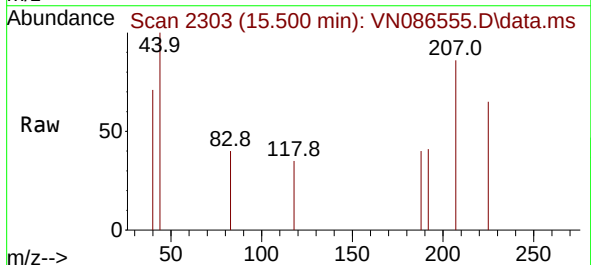
Instrument :
MSVOA_N
ClientSampleId :
VN0509WBL01

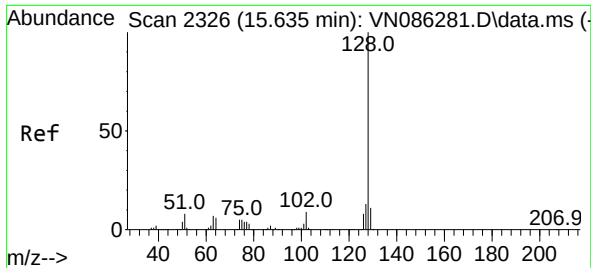
Tgt Ion: 75 Resp: 77266
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#94
Hexachlorobutadiene
Concen: 0.277 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

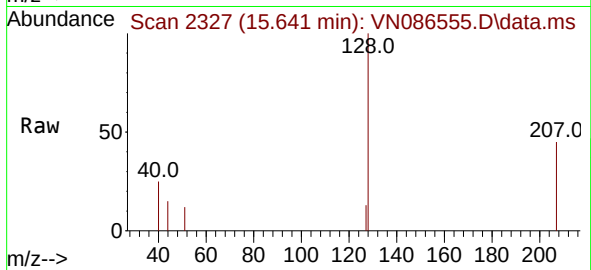
Tgt Ion: 225 Resp: 252
Ion Ratio Lower Upper
225 100
223 88.1 32.8 98.3
227 55.6 31.4 94.0





#95
Naphthalene
Concen: 0.297 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086555.D
Acq: 09 May 2025 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBL01



Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.8	10.2	15.4#
129	2.4	8.6	13.0#

