

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
 Data File : VN087887.D
 Acq On : 18 Sep 2025 11:19
 Operator : JC\MD
 Sample : VN0918WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 03:02:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

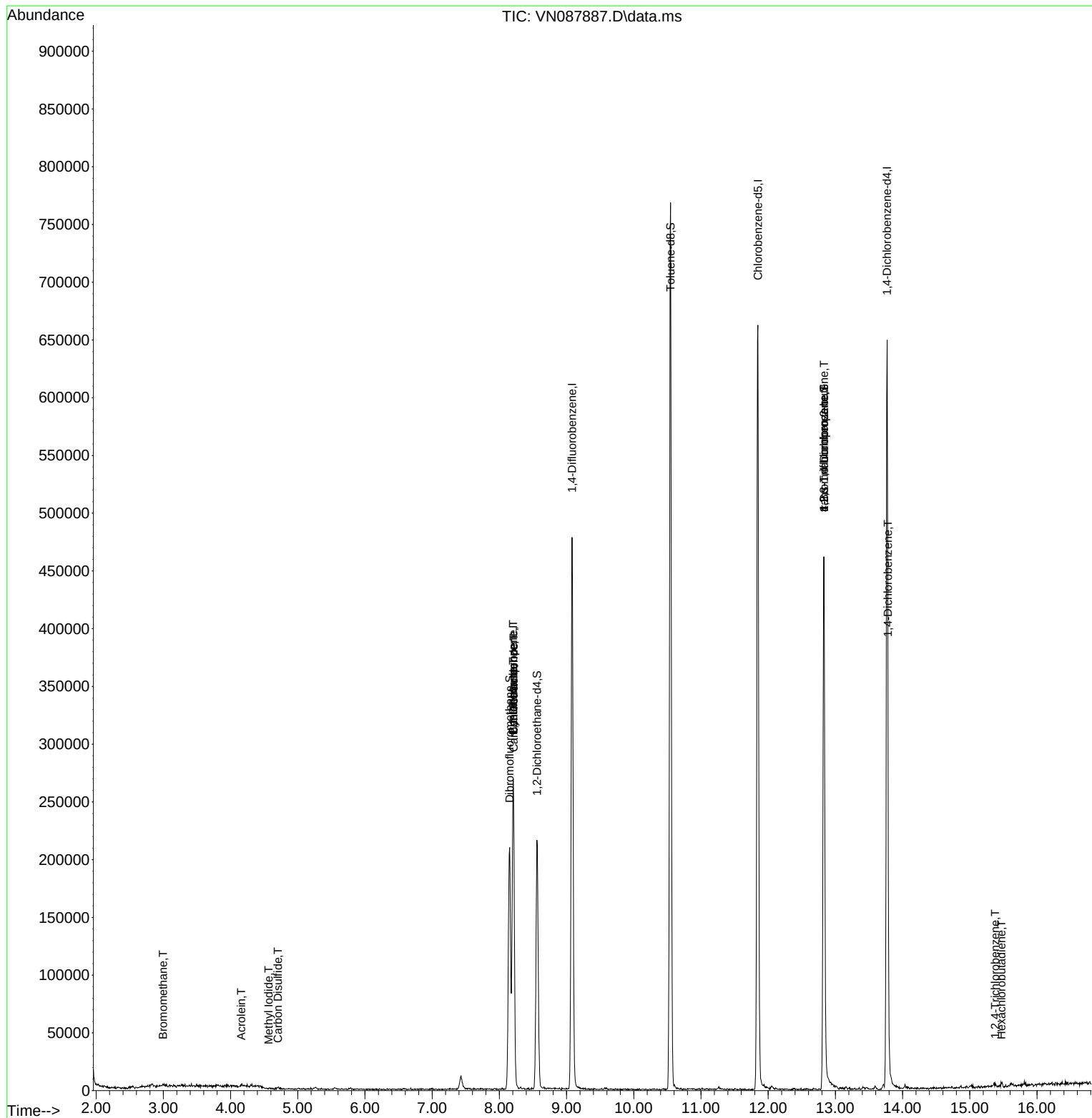
Internal Standards						
1) Pentafluorobenzene	8.206	168	190493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	410585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	388567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	176417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	178753	45.799	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.600%
35) Dibromofluoromethane	8.153	113	150182	50.662	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.320%
50) Toluene-d8	10.547	98	511867	46.134	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.260%
62) 4-Bromofluorobenzene	12.829	95	170878	43.306	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	86.620%
Target Compounds						
					Qvalue	
5) Bromomethane	2.994	94	1158	0.696	ug/l	93
10) Methyl Iodide	4.565	142	211	6.902	ug/l #	38
13) Acrolein	4.159	56	217	0.261	ug/l	89
17) Carbon Disulfide	4.706	76	2330	0.308	ug/l #	37
20) Methylene Chloride	5.259	84	1127	Below Cal	#	27
31) Cyclohexane	8.206	56	5000	1.018	ug/l #	14
36) 1,1-Dichloropropene	8.206	75	17195	3.781	ug/l #	50
38) Carbon Tetrachloride	8.212	117	20087	4.474	ug/l #	17
76) 1,2,3-Trichloropropane	12.829	75	93619	22.629	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	93619	59.908	ug/l #	1
88) 1,4-Dichlorobenzene	13.782	146	1469	0.213	ug/l #	62
93) 1,2,4-Trichlorobenzene	15.376	180	1022	0.271	ug/l #	85
94) Hexachlorobutadiene	15.470	225	489	0.364	ug/l #	45

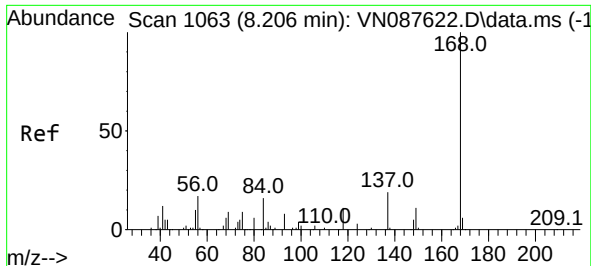
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

Quant Time: Sep 19 03:02:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

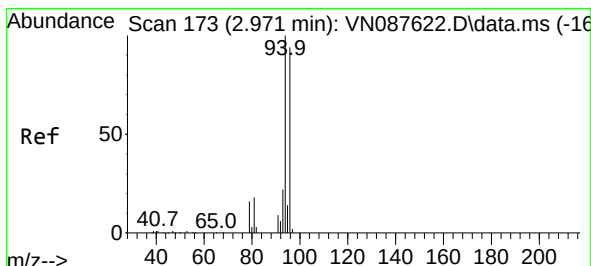
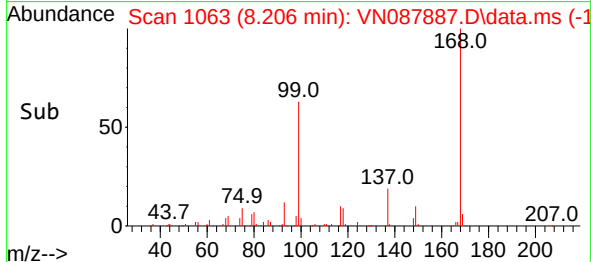
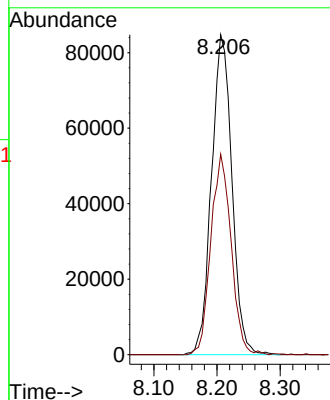
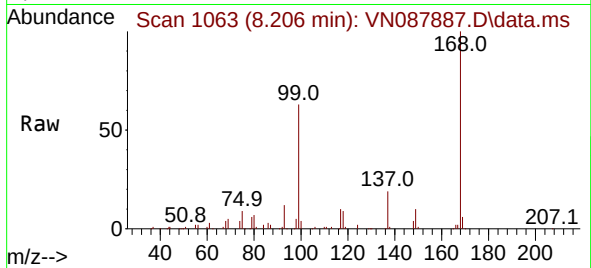




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

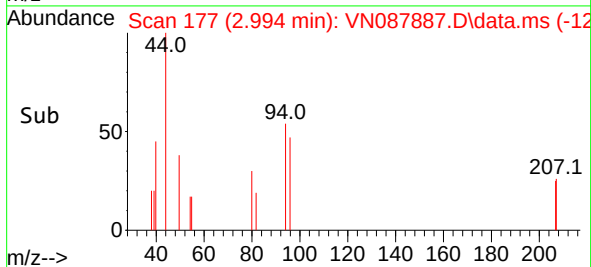
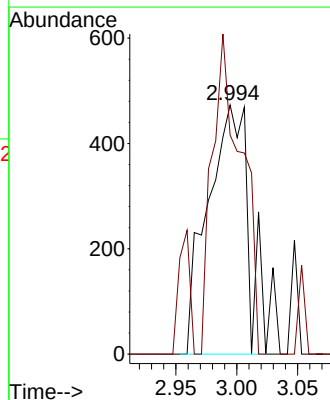
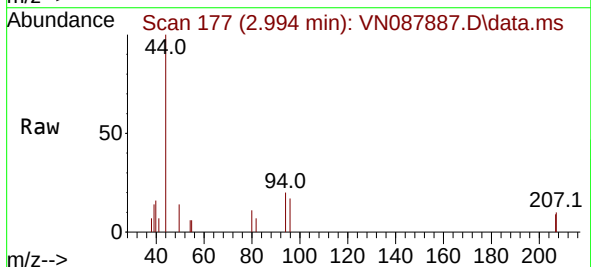
Instrument :
MSVOA_N
ClientSampleId :

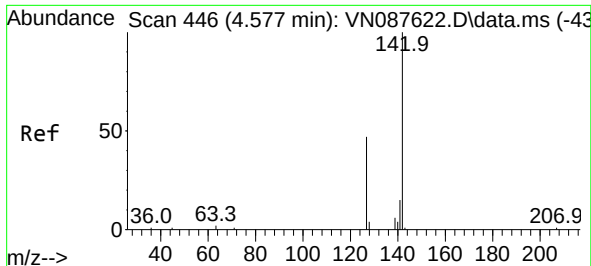
Tgt Ion:168 Resp: 190493
Ion Ratio Lower Upper
168 100
99 62.7 57.2 85.8



#5
Bromomethane
Concen: 0.696 ug/l
RT: 2.994 min Scan# 177
Delta R.T. 0.023 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

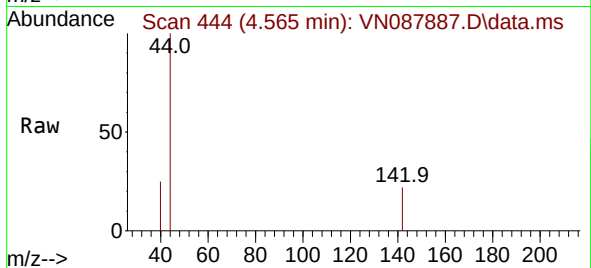
Tgt Ion: 94 Resp: 1158
Ion Ratio Lower Upper
94 100
96 87.9 75.4 113.2



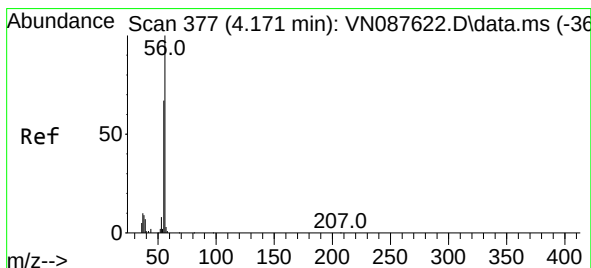
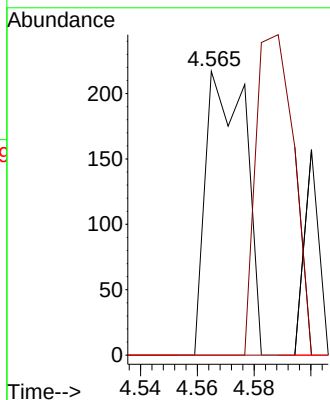
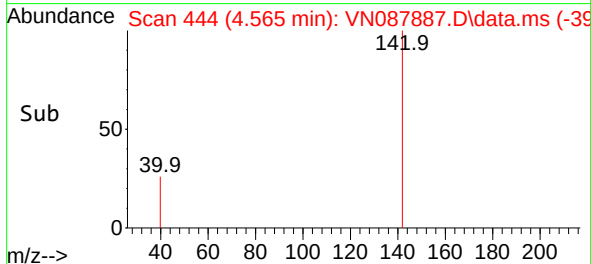


#10
Methyl Iodide
Concen: 6.902 ug/l
RT: 4.565 min Scan# 446
Delta R.T. -0.012 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

Instrument :
MSVOA_N
ClientSampleId :

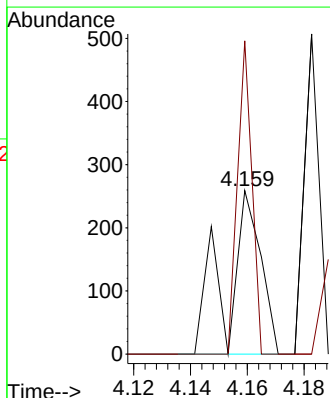
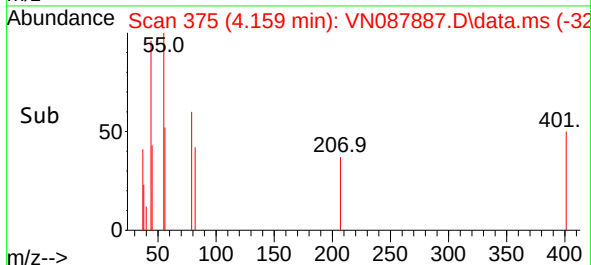
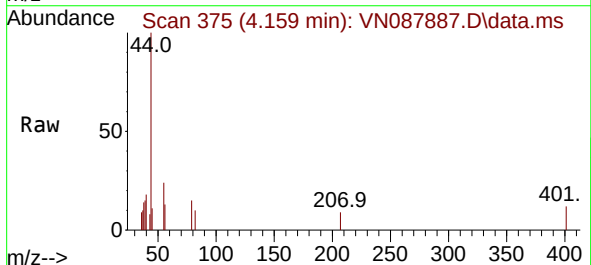


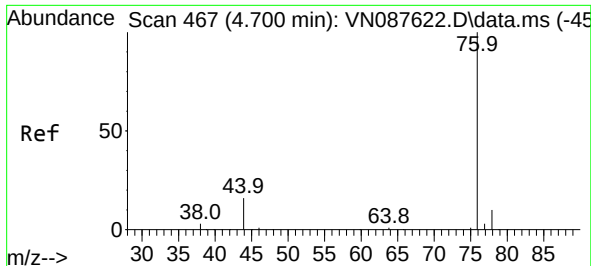
Tgt Ion:142 Resp: 211
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 0.261 ug/l
RT: 4.159 min Scan# 375
Delta R.T. -0.012 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

Tgt Ion: 56 Resp: 217
Ion Ratio Lower Upper
56 100
55 80.6 57.3 85.9

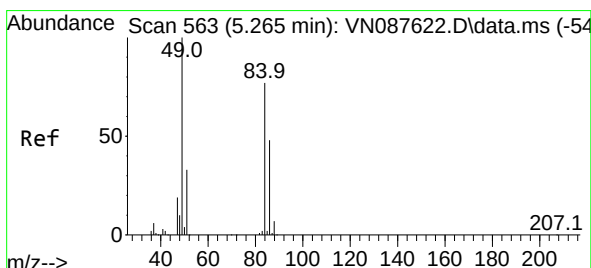
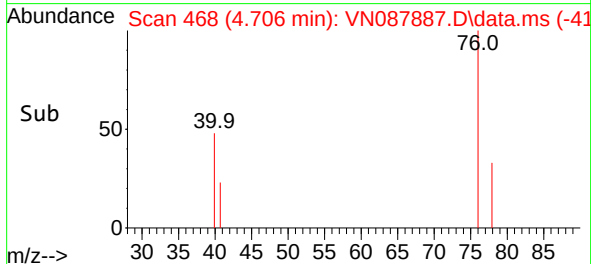
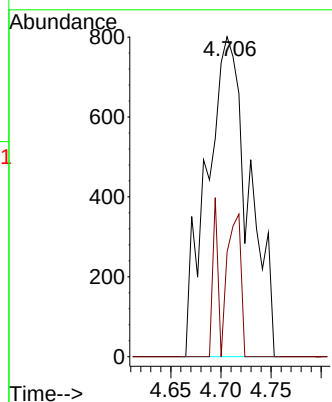
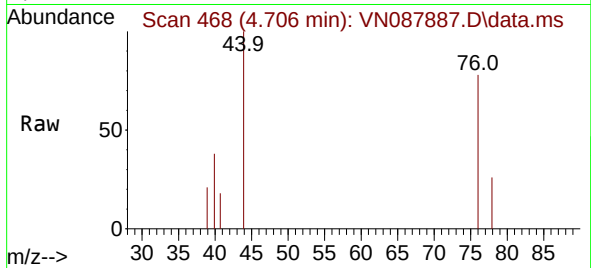




#17
Carbon Disulfide
Concen: 0.308 ug/l
RT: 4.706 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

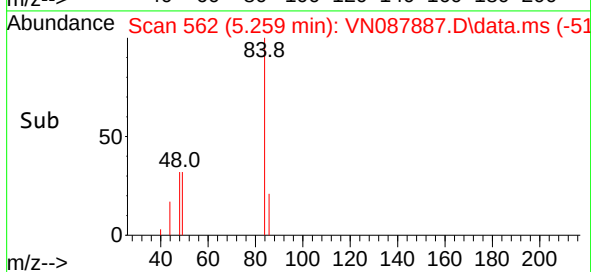
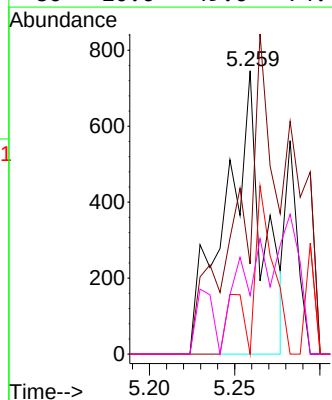
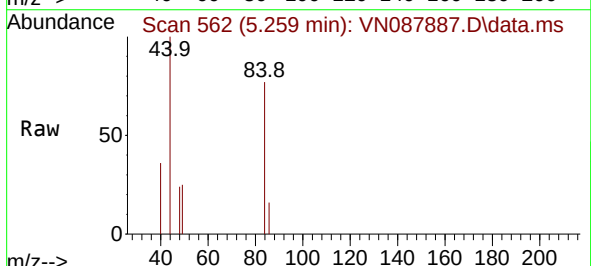
Instrument :
MSVOA_N
ClientSampleId :

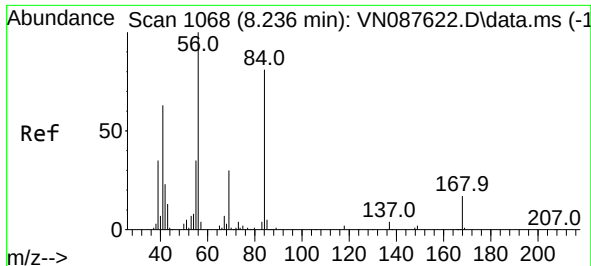
Tgt Ion: 76 Resp: 2330
Ion Ratio Lower Upper
76 100
78 32.7 7.6 11.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

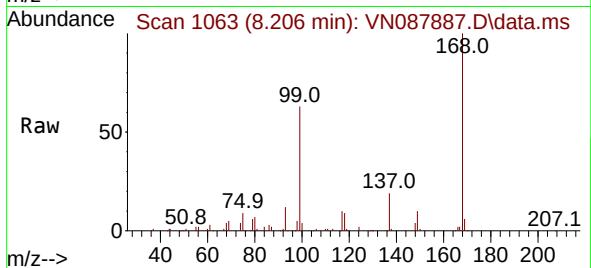
Tgt Ion: 84 Resp: 1127
Ion Ratio Lower Upper
84 100
49 31.8 103.4 155.2#
51 0.0 33.8 50.8#
86 20.6 49.6 74.4#



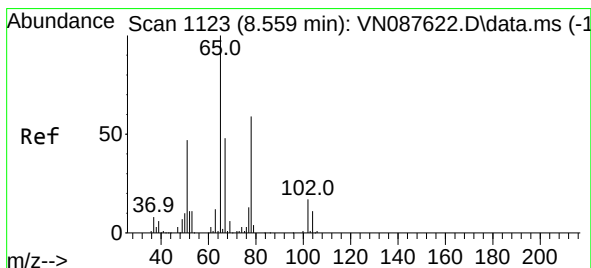
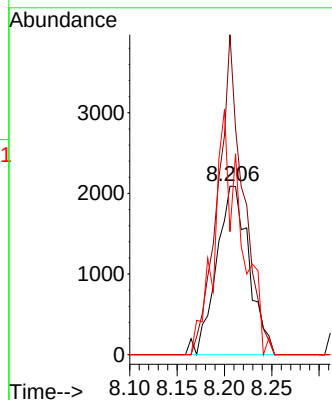
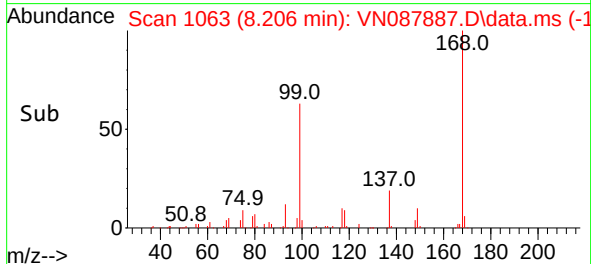


#31
Cyclohexane
Concen: 1.018 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

Instrument :
MSVOA_N
ClientSampleId :

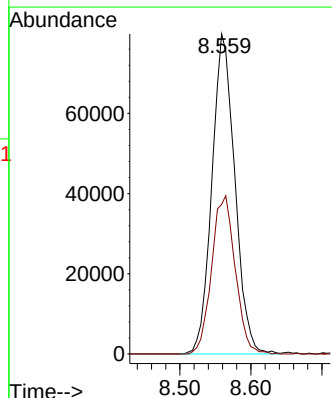
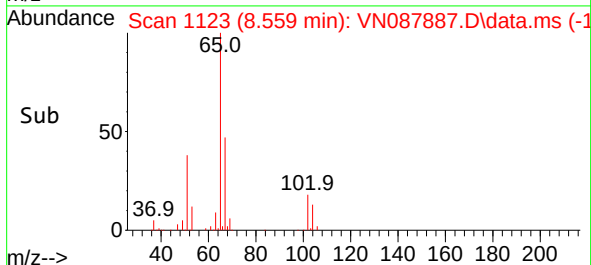
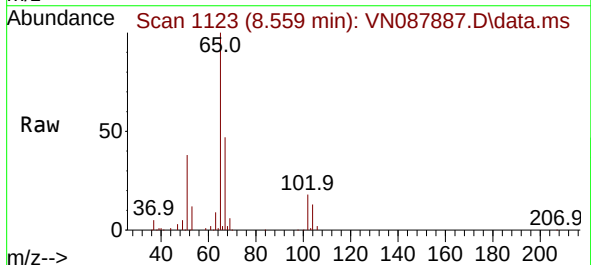


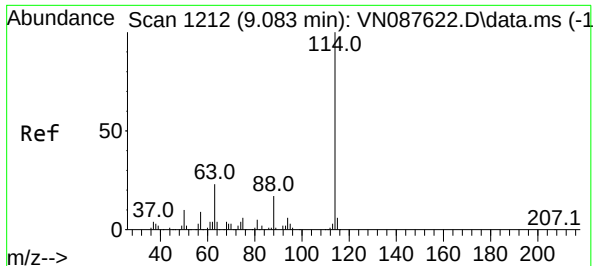
Tgt Ion: 56 Resp: 5000
Ion Ratio Lower Upper
56 100
69 189.9 23.7 35.5#
84 73.0 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 45.799 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

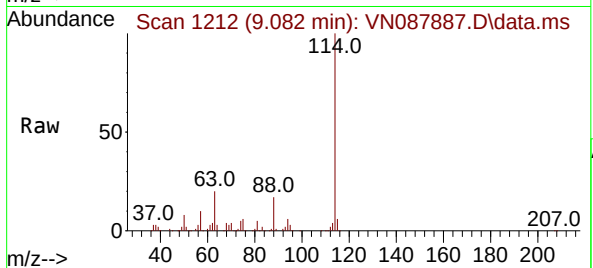
Tgt Ion: 65 Resp: 178753
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.0



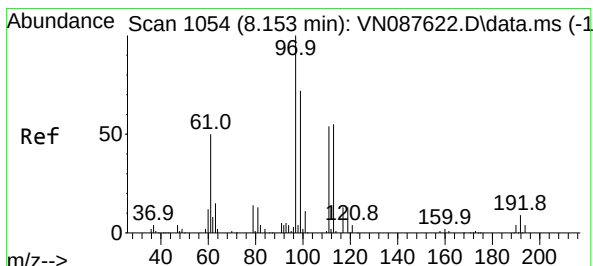
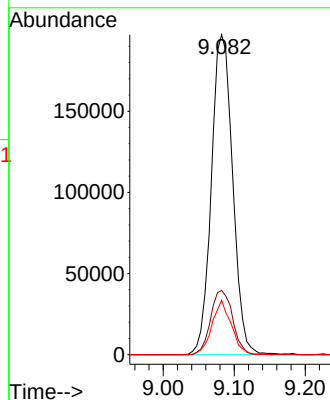
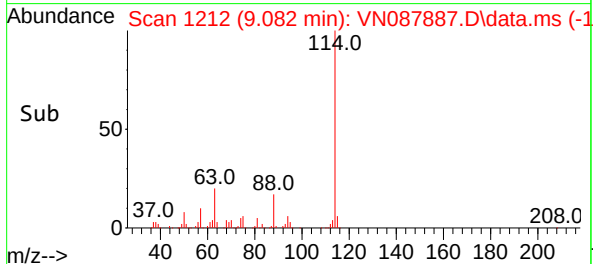


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

Instrument :
MSVOA_N
ClientSampleId :

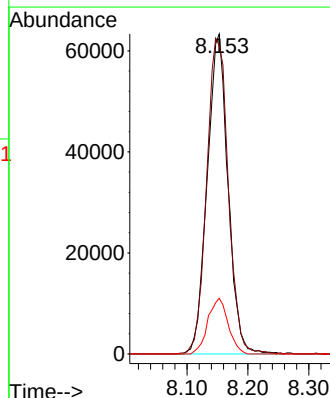
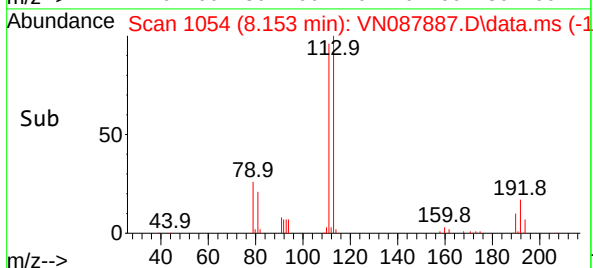
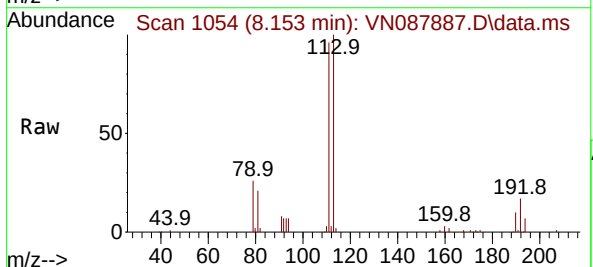


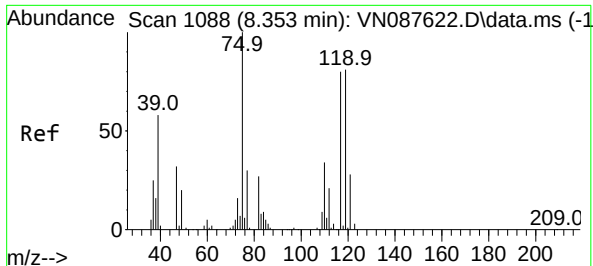
Tgt Ion:114 Resp: 410585
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.2
88 17.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.662 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

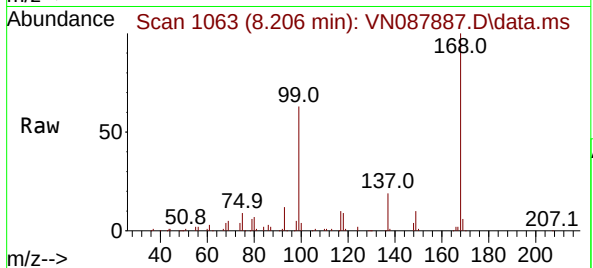
Tgt Ion:113 Resp: 150182
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 17.0 12.8 19.2



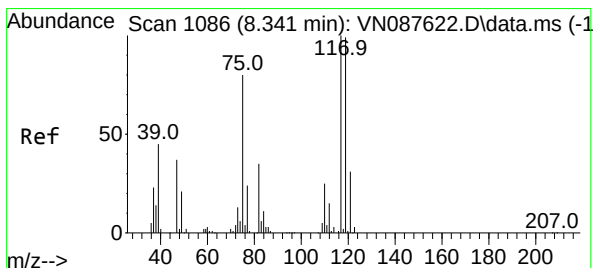
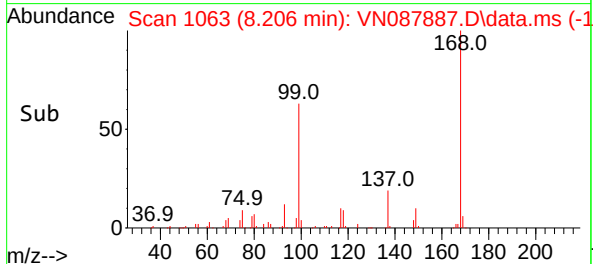
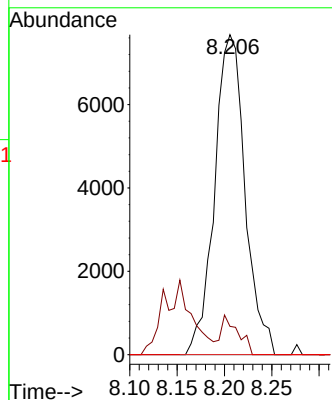


#36
 1,1-Dichloropropene
 Concen: 3.781 ug/l
 RT: 8.206 min Scan# 1063
 Delta R.T. -0.147 min
 Lab File: VN087887.D
 Acq: 18 Sep 2025 11:19

Instrument :
 MSVOA_N
 ClientSampleId :

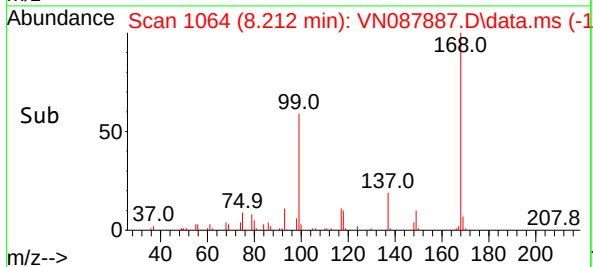
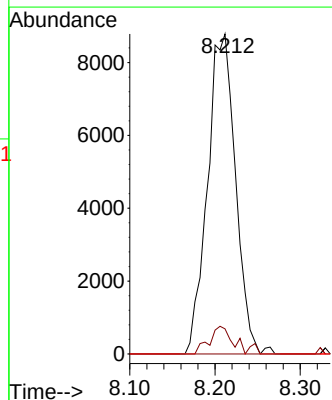
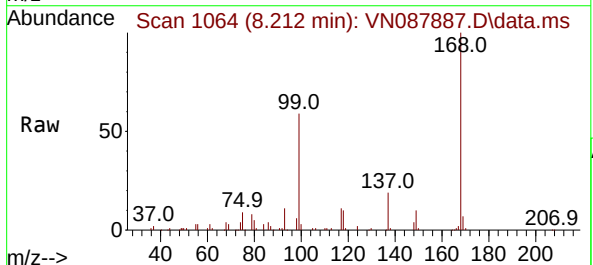


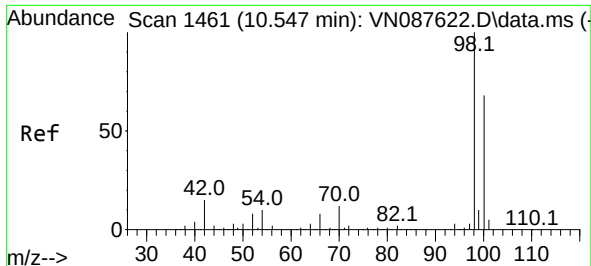
Tgt Ion: 75 Resp: 17195
 Ion Ratio Lower Upper
 75 100
 110 7.1 15.9 47.6#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.474 ug/l
 RT: 8.212 min Scan# 1064
 Delta R.T. -0.130 min
 Lab File: VN087887.D
 Acq: 18 Sep 2025 11:19

Tgt Ion: 117 Resp: 20087
 Ion Ratio Lower Upper
 117 100
 119 7.8 79.0 118.6#
 121 0.0 25.0 37.6#

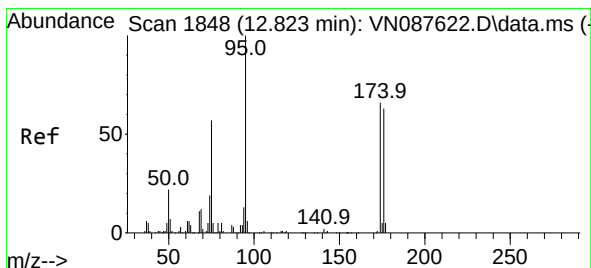
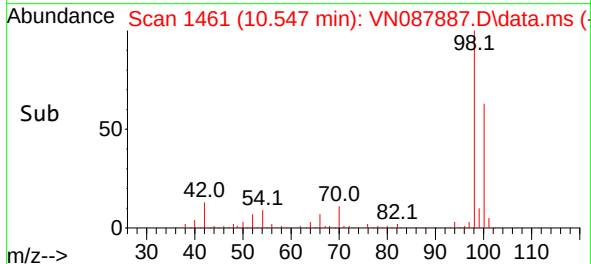
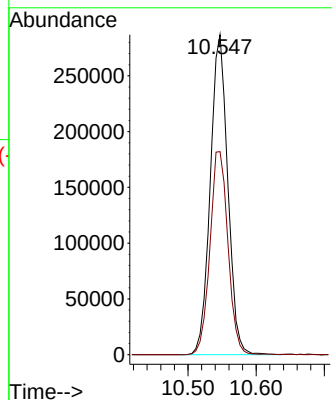
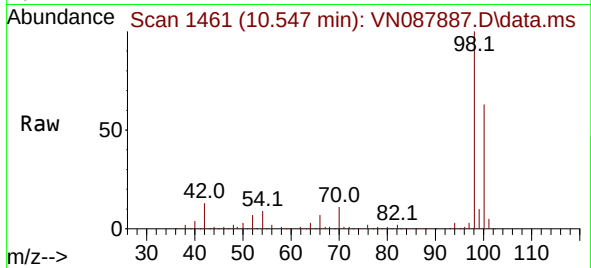




#50
Toluene-d8
Concen: 46.134 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

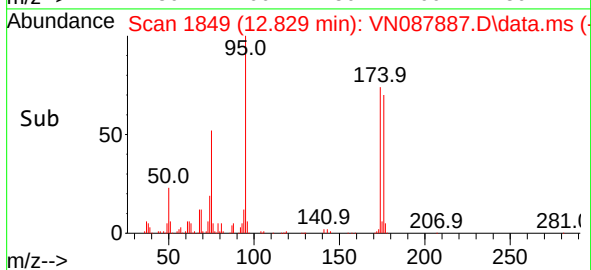
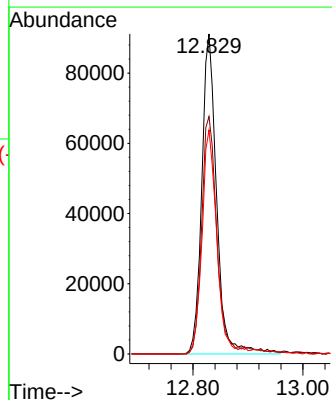
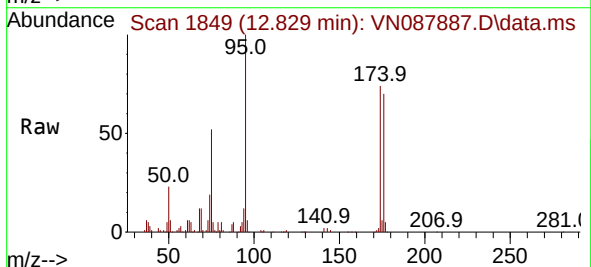
Instrument :
MSVOA_N
ClientSampleId :

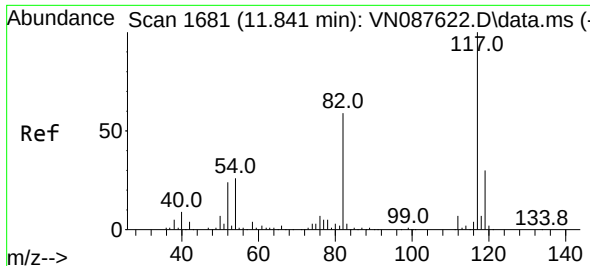
Tgt Ion: 98 Resp: 511867
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 43.306 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

Tgt Ion: 95 Resp: 170878
Ion Ratio Lower Upper
95 100
174 74.8 0.0 138.4
176 70.1 0.0 132.6

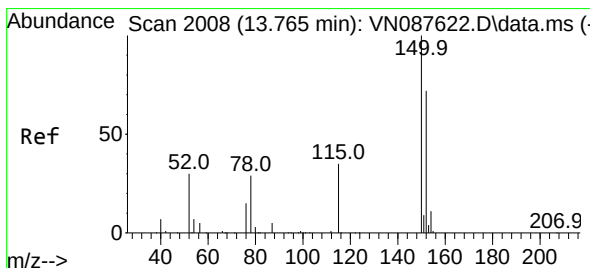
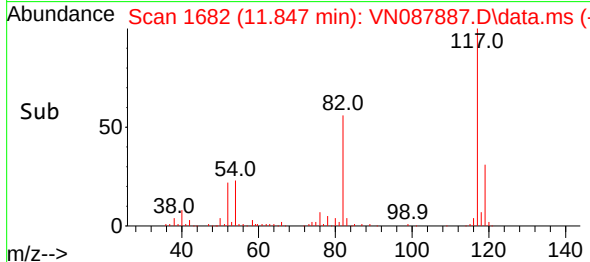
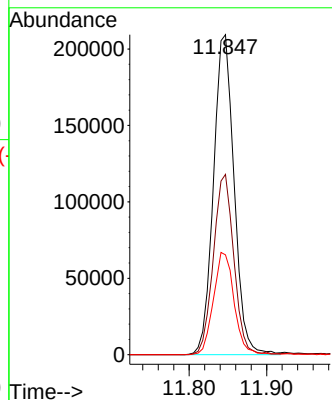
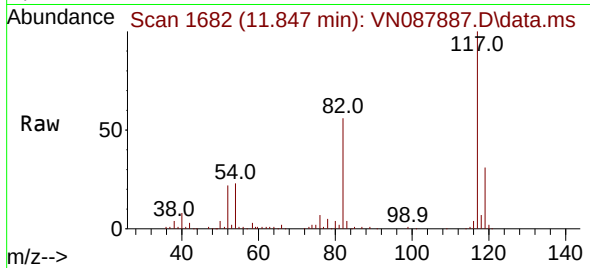




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

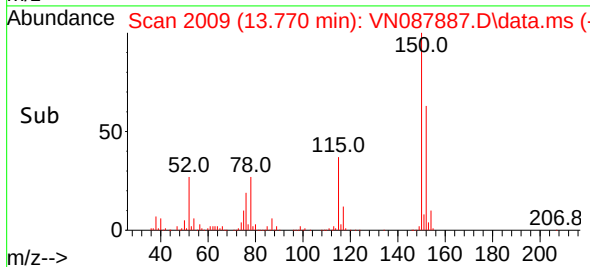
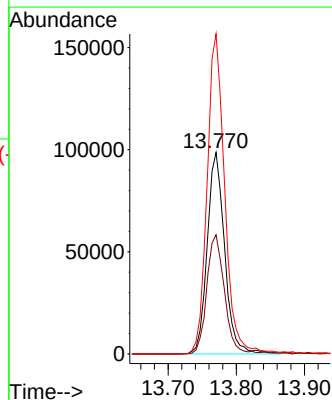
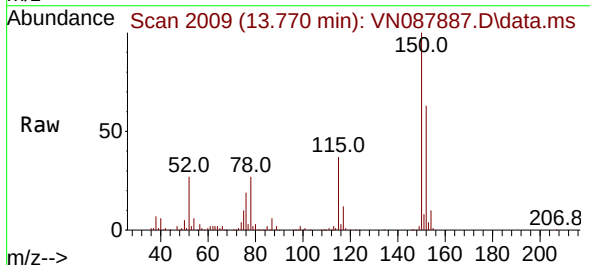
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ClientSampleId :

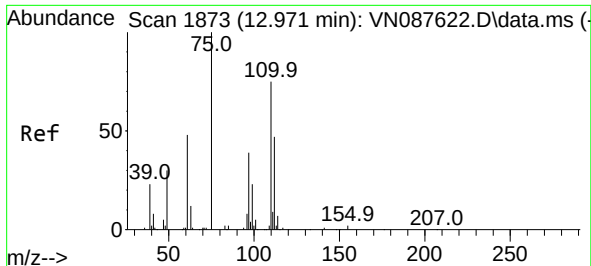
Tgt Ion:117 Resp: 388567
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 31.2 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

Tgt Ion:152 Resp: 176417
Ion Ratio Lower Upper
152 100
115 60.3 32.3 96.8
150 159.6 0.0 351.0

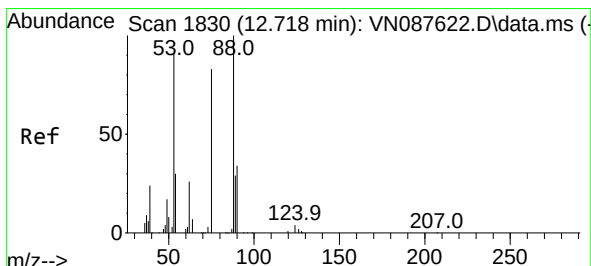
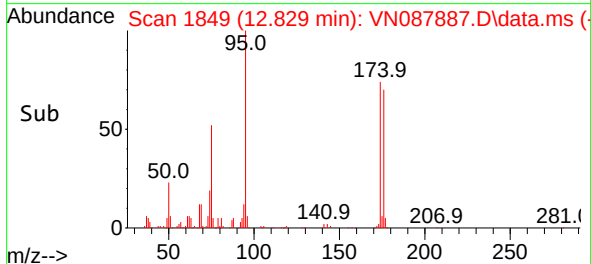
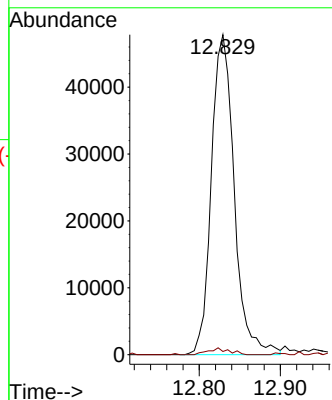
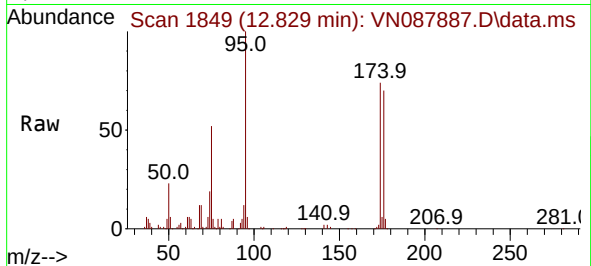




#76
1,2,3-Trichloropropane
Concen: 22.629 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

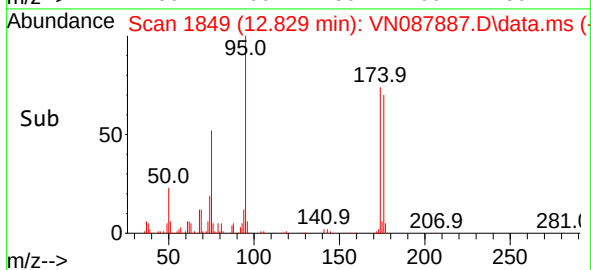
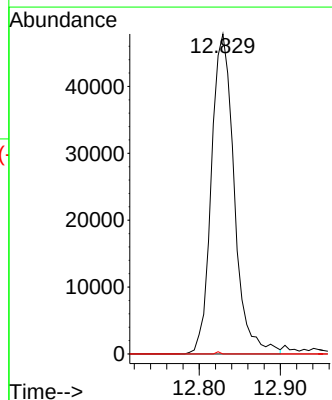
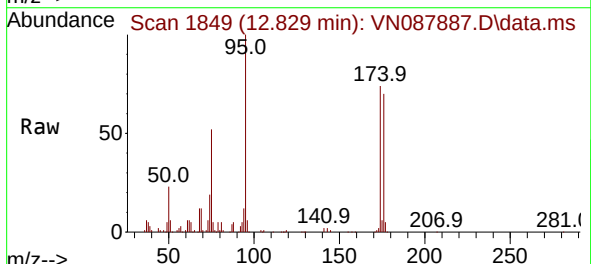
Instrument :
MSVOA_N
ClientSampleId :

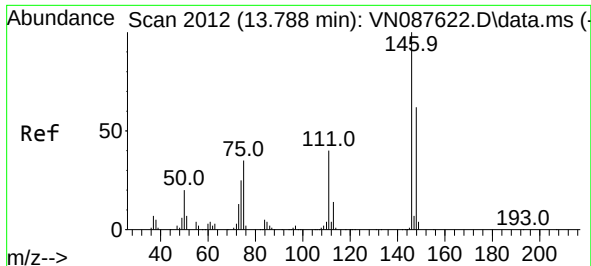
Tgt Ion: 75 Resp: 93619
Ion Ratio Lower Upper
75 100
77 1.9 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.908 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.111 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

Tgt Ion: 75 Resp: 93619
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 35.6 53.4#

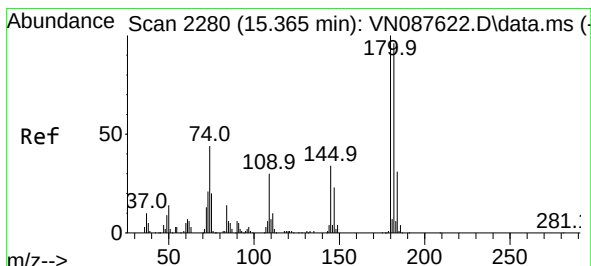
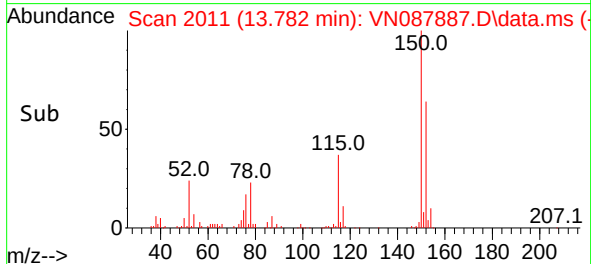
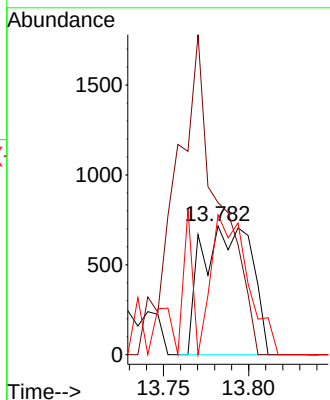
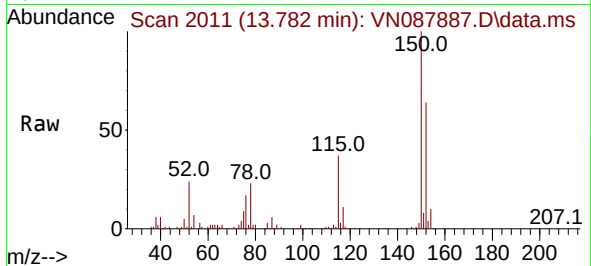




#88
1,4-Dichlorobenzene
Concen: 0.213 ug/l
RT: 13.782 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

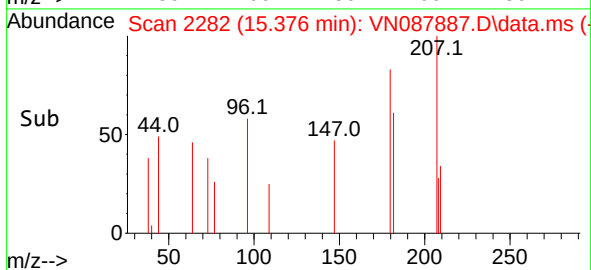
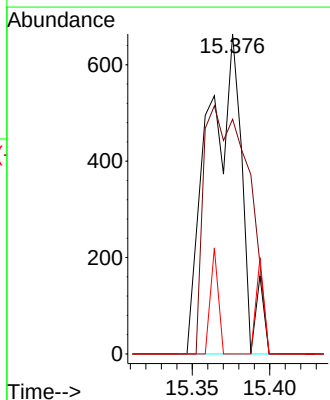
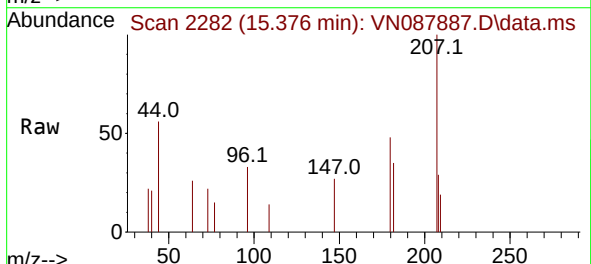
Instrument :
MSVOA_N
ClientSampleId :

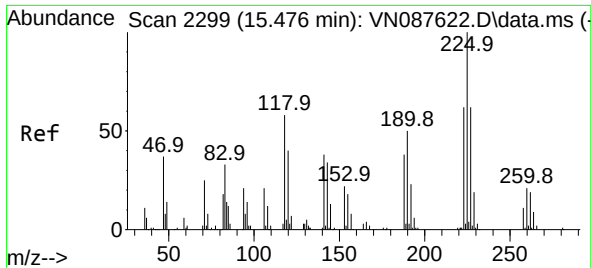
Tgt Ion:146 Resp: 1469
Ion Ratio Lower Upper
146 100
111 0.0 21.0 63.0#
148 79.0 32.0 96.0



#93
1,2,4-Trichlorobenzene
Concen: 0.271 ug/l
RT: 15.376 min Scan# 2282
Delta R.T. 0.011 min
Lab File: VN087887.D
Acq: 18 Sep 2025 11:19

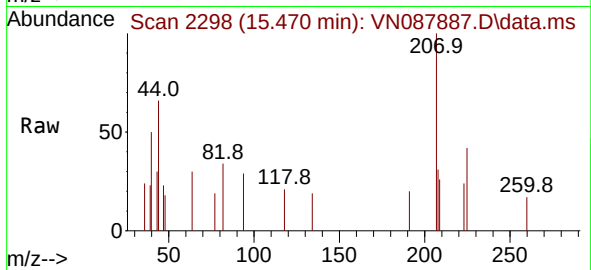
Tgt Ion:180 Resp: 1022
Ion Ratio Lower Upper
180 100
182 99.9 47.6 142.9
145 7.6 16.5 49.5#





#94
 Hexachlorobutadiene
 Concen: 0.364 ug/l
 RT: 15.470 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN087887.D
 Acq: 18 Sep 2025 11:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:225 Resp: 489
 Ion Ratio Lower Upper
 225 100
 223 103.5 32.0 96.2#
 227 17.4 32.1 96.5#

