

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087654.D
 Acq On : 25 Aug 2025 13:58
 Operator : JC\MD
 Sample : Q2936-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 26 01:34:58 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)

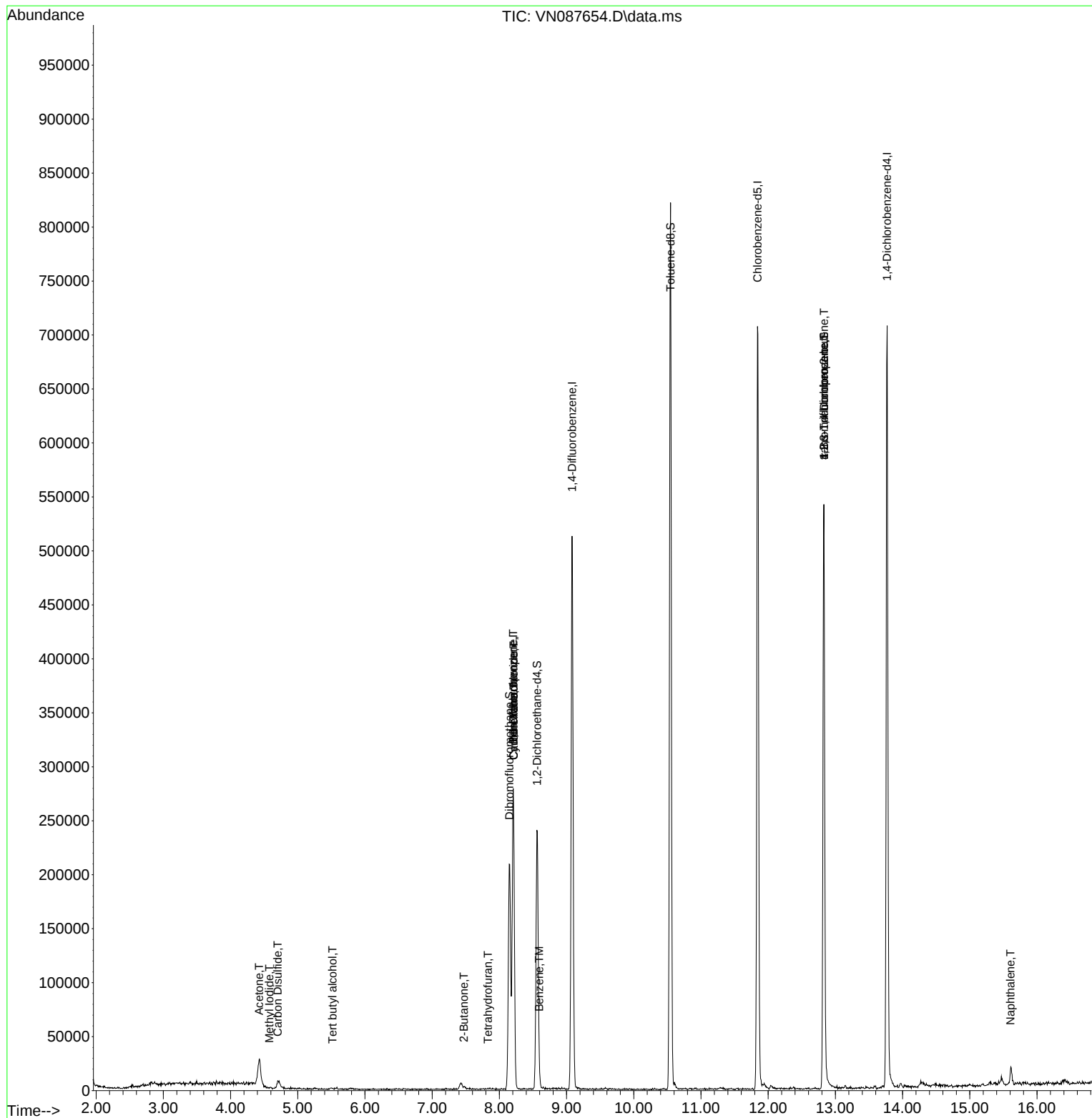
Internal Standards						
1) Pentafluorobenzene	8.206	168	185558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	422409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	393280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	182948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	200291	52.682	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 105.360%		
35) Dibromofluoromethane	8.147	113	152457	49.989	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.980%		
50) Toluene-d8	10.547	98	543875	47.647	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.300%		
62) 4-Bromofluorobenzene	12.829	95	190374	46.896	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 93.800%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.577	142	62	6.838	ug/l #	19
11) Tert butyl alcohol	5.518	59	448	0.679	ug/l #	71
16) Acetone	4.424	43	44511	21.507	ug/l	99
17) Carbon Disulfide	4.700	76	7309	0.992	ug/l #	87
20) Methylene Chloride	5.253	84	926	Below Cal	#	18
25) 2-Butanone	7.471	43	1896	0.696	ug/l #	50
29) Tetrahydrofuran	7.830	42	466	0.266	ug/l #	34
31) Cyclohexane	8.212	56	6522	1.364	ug/l #	32
36) 1,1-Dichloropropene	8.206	75	18702	3.997	ug/l #	51
38) Carbon Tetrachloride	8.212	117	21437	4.641	ug/l #	14
40) Benzene	8.594	78	4019	0.280	ug/l	99
76) 1,2,3-Trichloropropane	12.829	75	113546	26.466	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	113546	70.066	ug/l #	1
95) Naphthalene	15.606	128	15152	1.094	ug/l	99

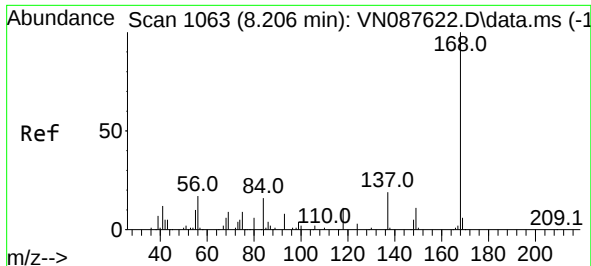
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
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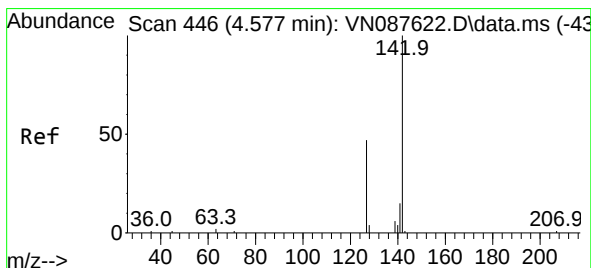
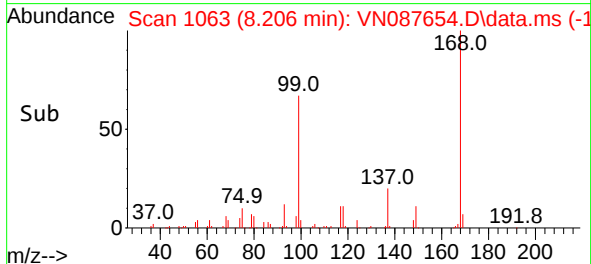
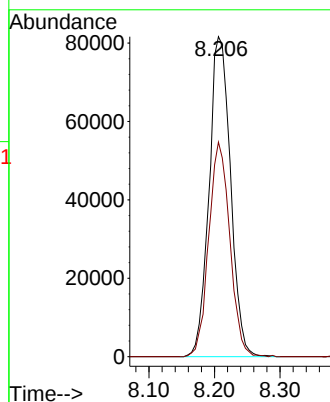
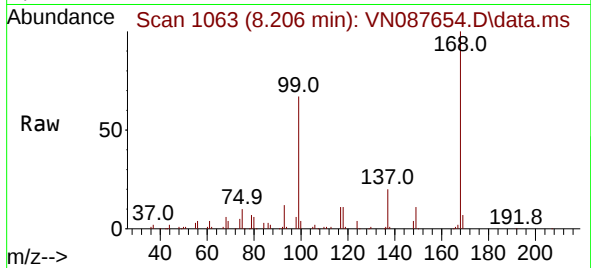




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

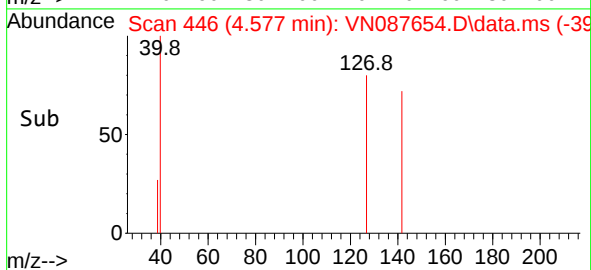
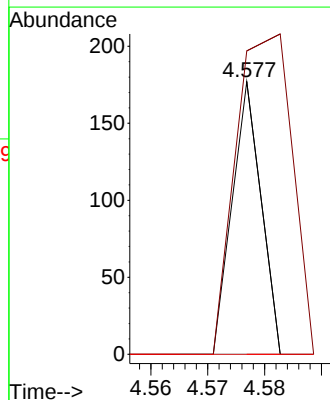
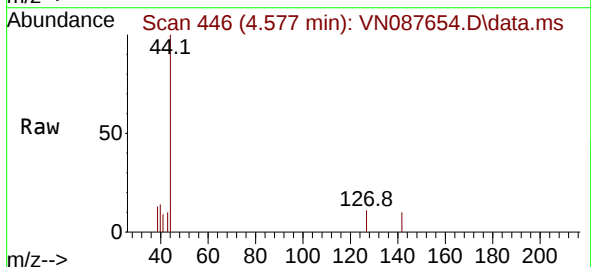
Instrument :
MSVOA_N
ClientSampleId :

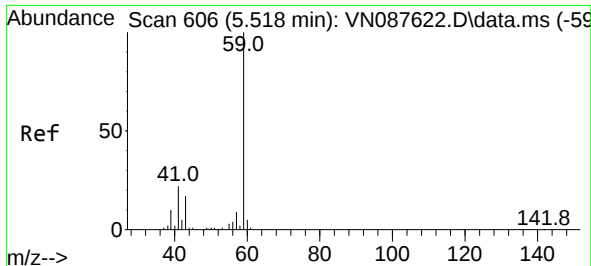
Tgt Ion:168 Resp: 185558
Ion Ratio Lower Upper
168 100
99 67.0 57.2 85.8



#10
Methyl Iodide
Concen: 6.838 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

Tgt Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 111.3 38.0 57.0#
141 0.0 12.0 18.0#

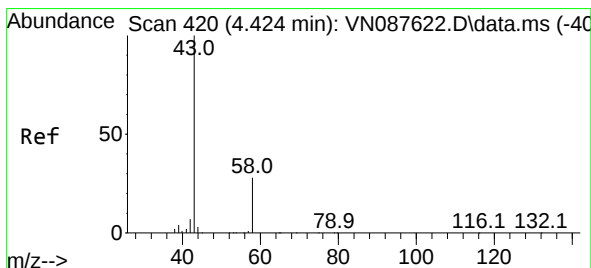
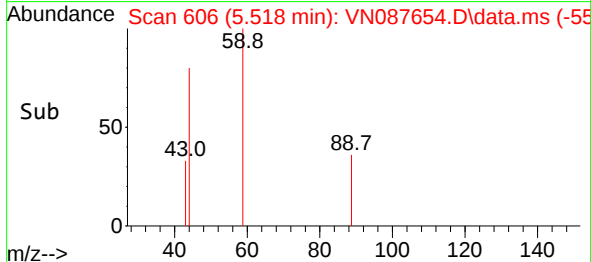
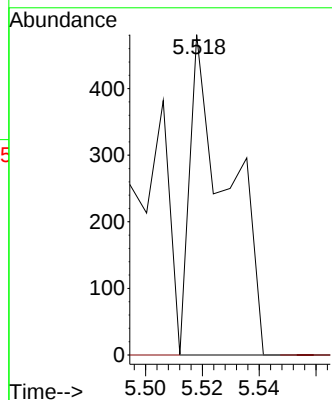
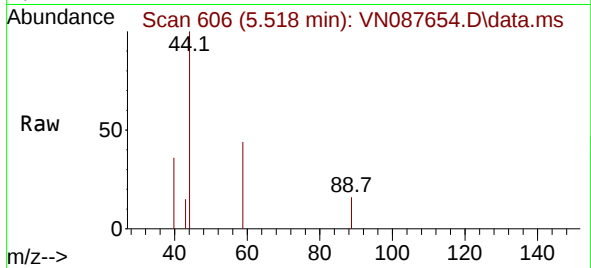




#11
Tert butyl alcohol
Concen: 0.679 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

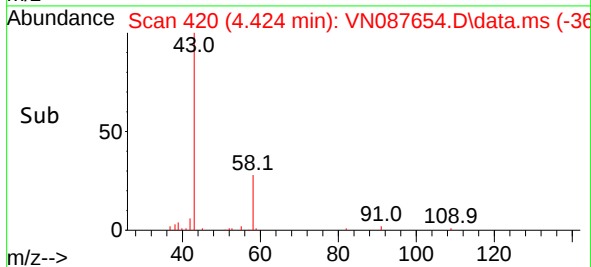
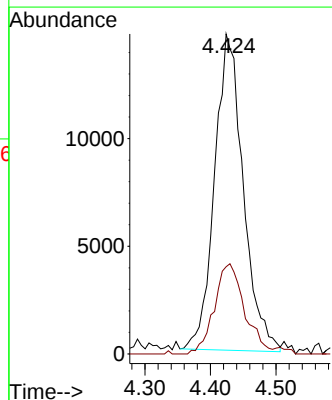
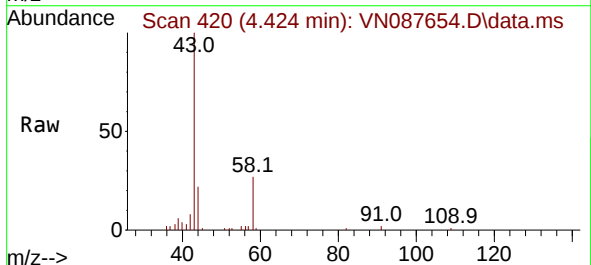
Instrument :
MSVOA_N
ClientSampleId :

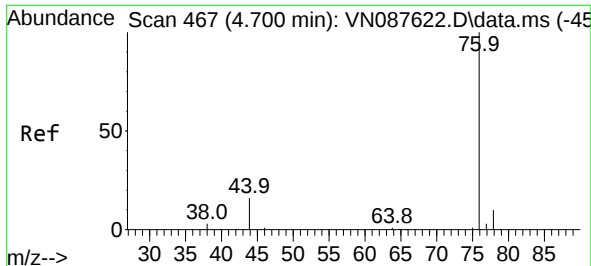
Tgt Ion: 59 Resp: 448
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 21.507 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

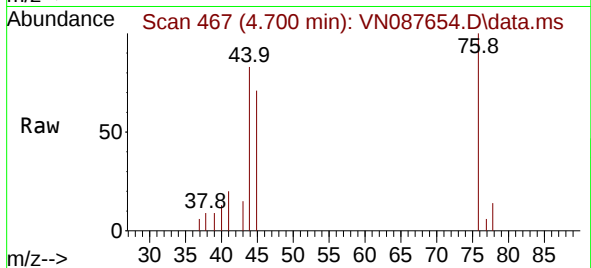
Tgt Ion: 43 Resp: 44511
Ion Ratio Lower Upper
43 100
58 27.7 22.6 33.8



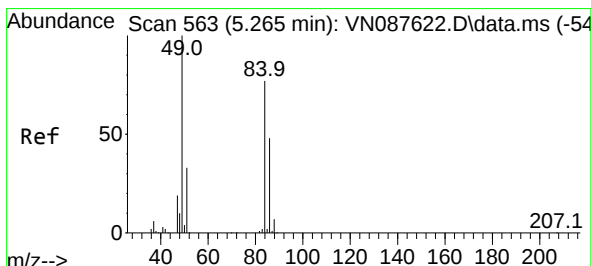
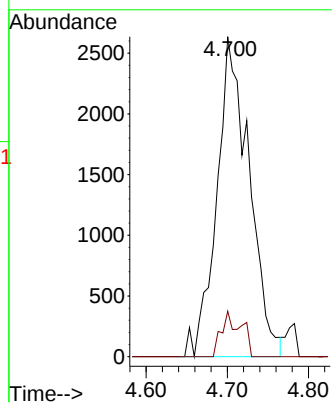
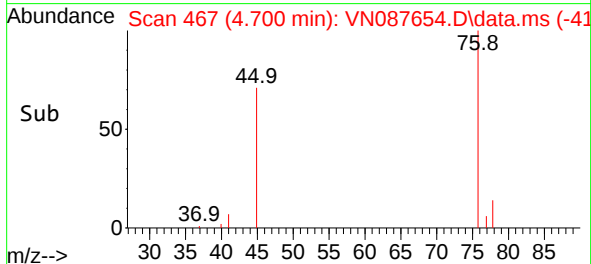


#17
Carbon Disulfide
Concen: 0.992 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

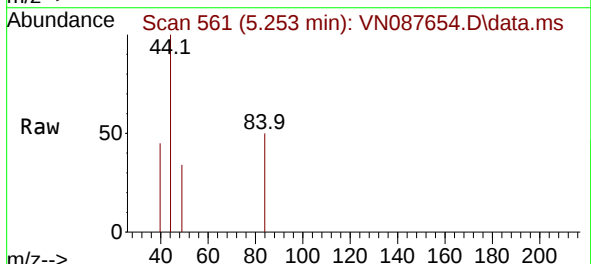
Instrument :
MSVOA_N
ClientSampleId :



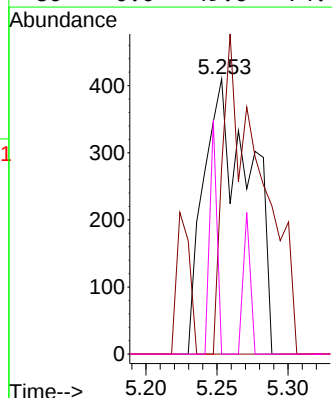
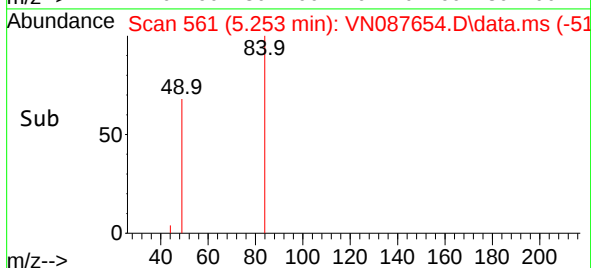
Tgt Ion: 76 Resp: 7309
Ion Ratio Lower Upper
76 100
78 14.2 7.6 11.4#

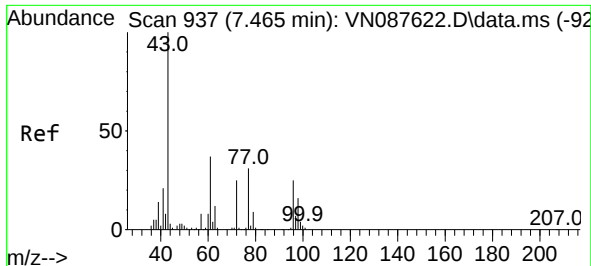


#20
Methylene Chloride
Concen: Below Cal
RT: 5.253 min Scan# 561
Delta R.T. -0.012 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58



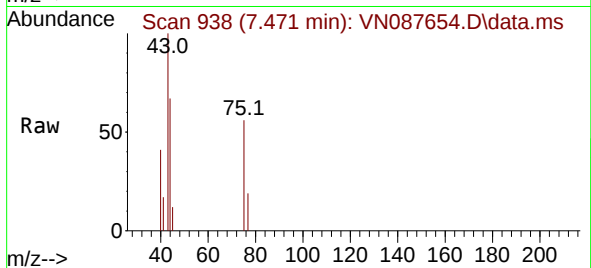
Tgt Ion: 84 Resp: 926
Ion Ratio Lower Upper
84 100
49 26.8 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#



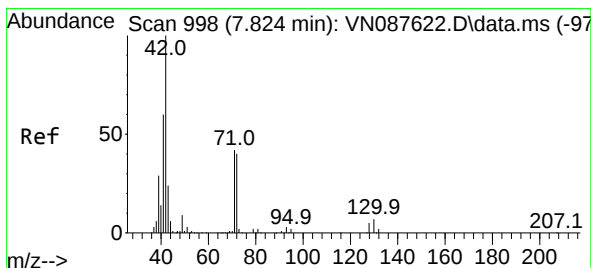
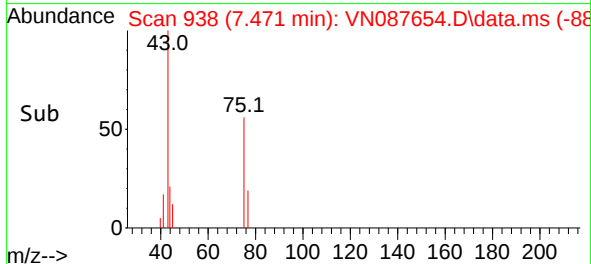
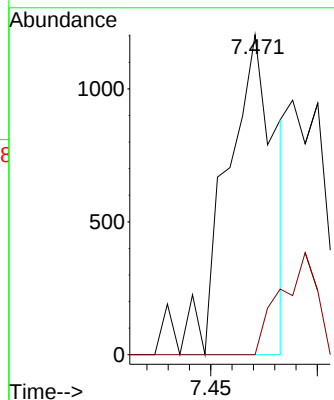


#25
2-Butanone
Concen: 0.696 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

Instrument :
MSVOA_N
ClientSampleId :

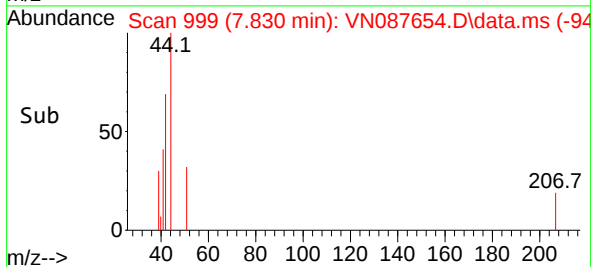
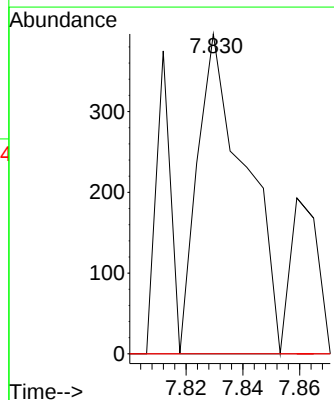
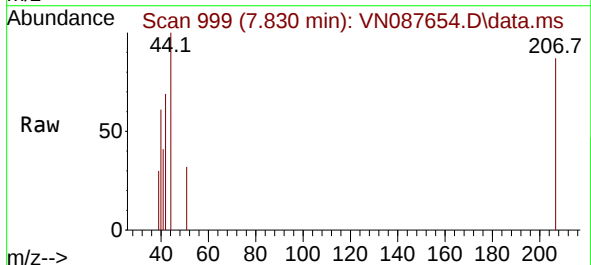


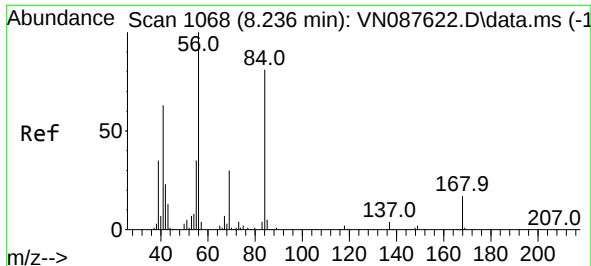
Tgt Ion: 43 Resp: 1896
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#29
Tetrahydrofuran
Concen: 0.266 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.006 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

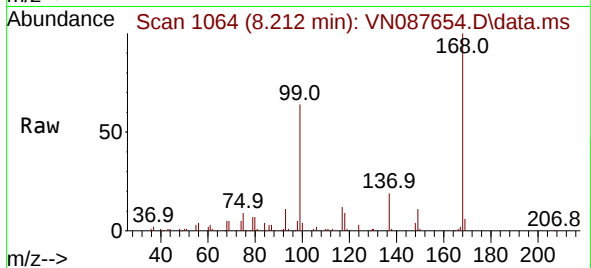
Tgt Ion: 42 Resp: 466
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.9 47.9#



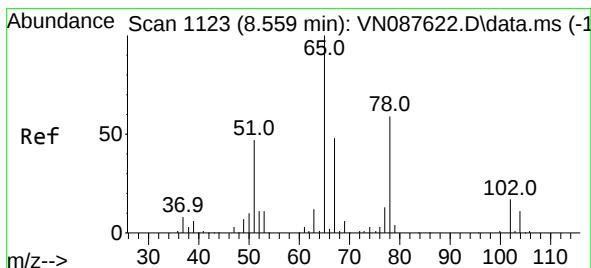
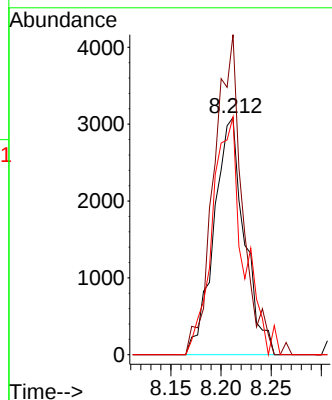
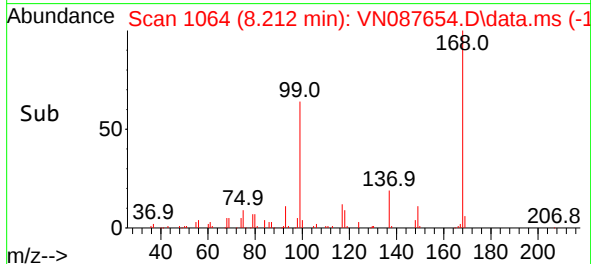


#31
Cyclohexane
Concen: 1.364 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

Instrument :
MSVOA_N
ClientSampleId :

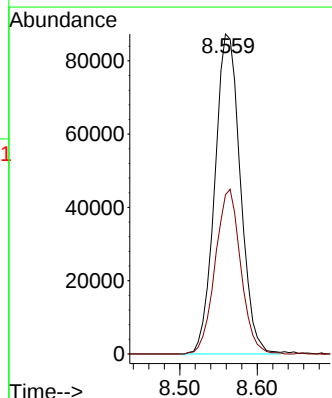
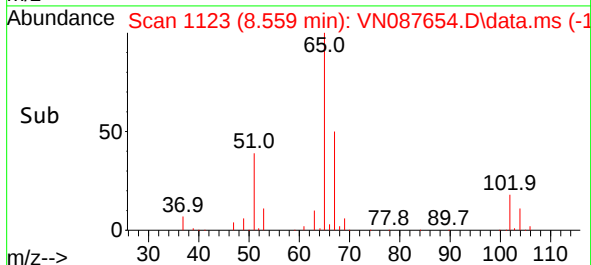
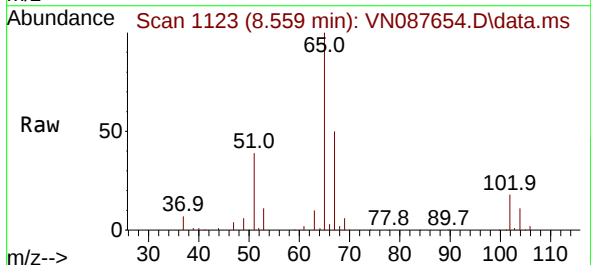


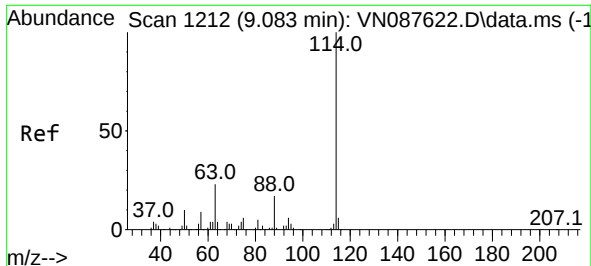
Tgt Ion: 56 Resp: 6522
Ion Ratio Lower Upper
56 100
69 135.0 23.7 35.5#
84 100.2 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 52.682 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

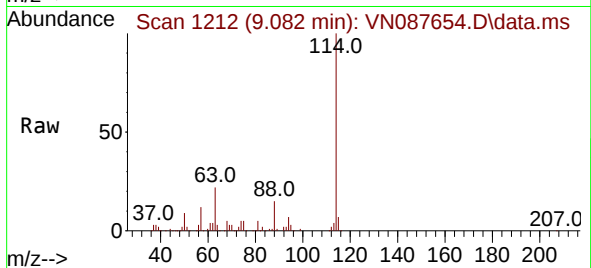
Tgt Ion: 65 Resp: 200291
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.0



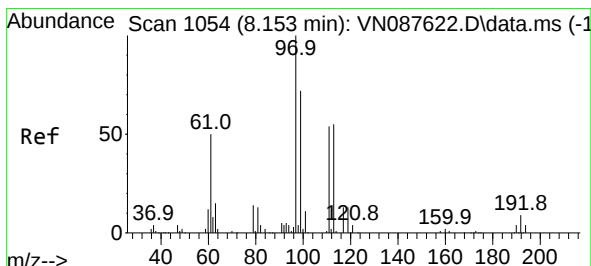
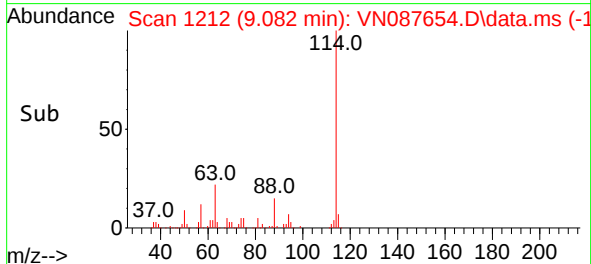
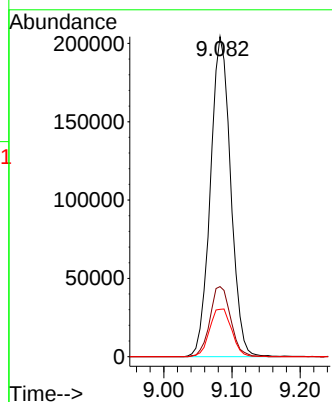


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

Instrument :
MSVOA_N
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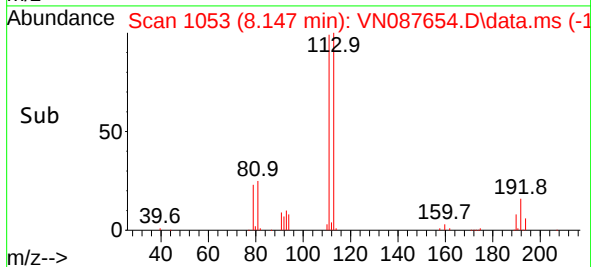
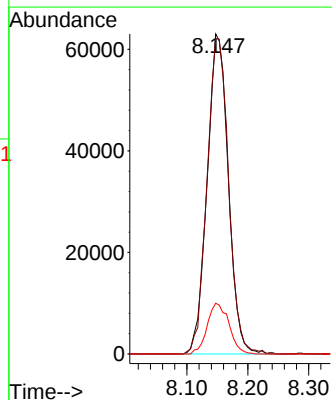
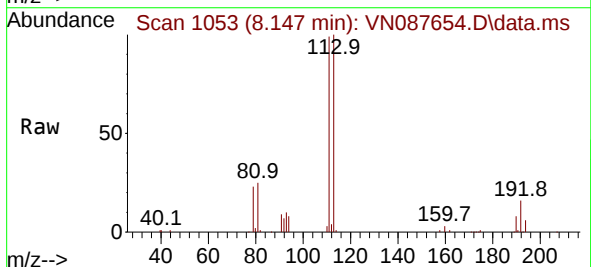


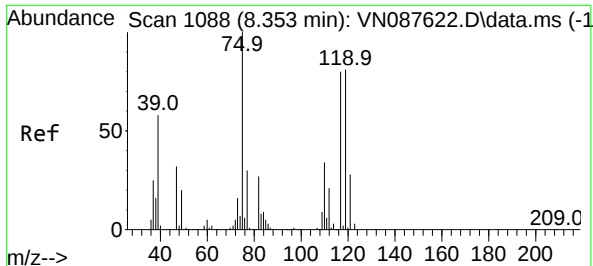
Tgt Ion:114 Resp: 422409
Ion Ratio Lower Upper
114 100
63 21.9 0.0 45.2
88 14.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.989 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

Tgt Ion:113 Resp: 152457
Ion Ratio Lower Upper
113 100
111 100.5 82.8 124.2
192 16.3 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.997 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087654.D

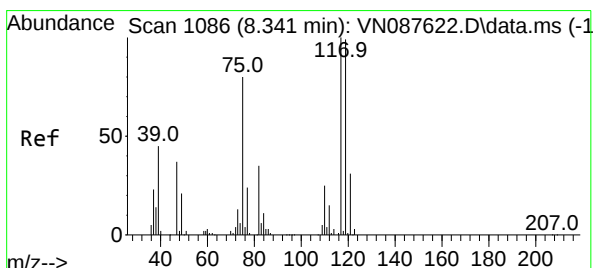
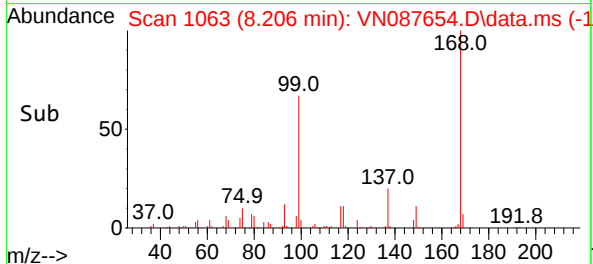
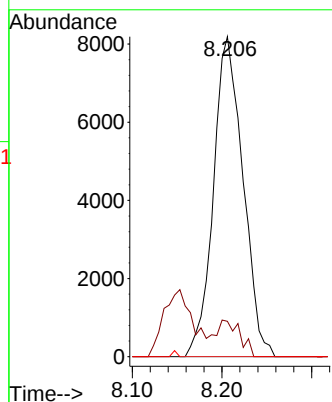
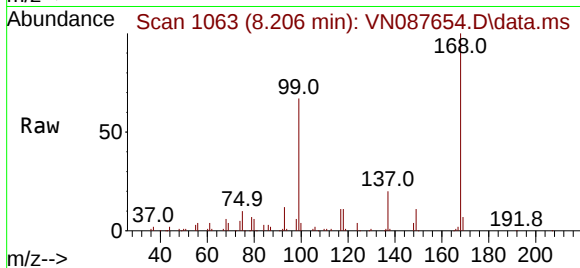
Acq: 25 Aug 2025 13:58

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	18702
Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.9	47.6#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 4.641 ug/l

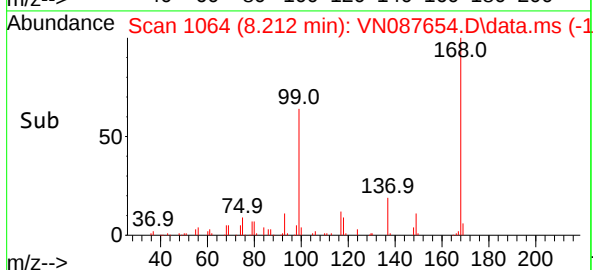
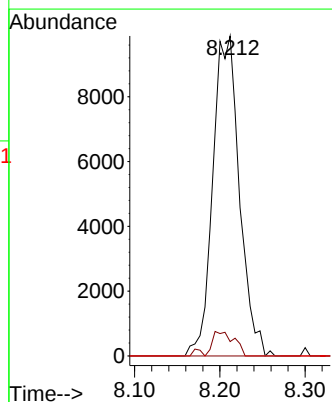
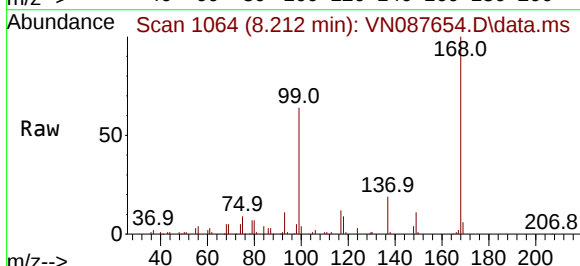
RT: 8.212 min Scan# 1064

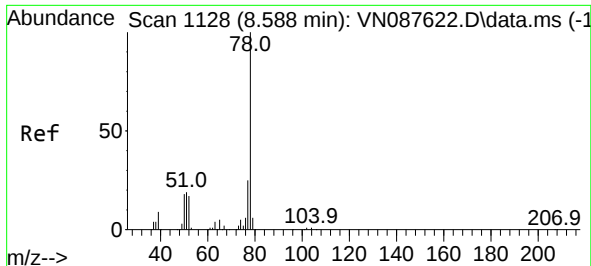
Delta R.T. -0.130 min

Lab File: VN087654.D

Acq: 25 Aug 2025 13:58

Tgt Ion:	117	Resp:	21437
Ion	Ratio	Lower	Upper
117	100		
119	4.5	79.0	118.6#
121	0.0	25.0	37.6#

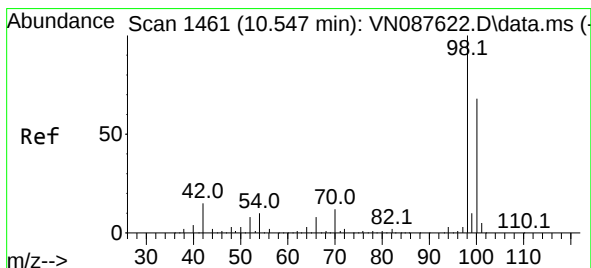
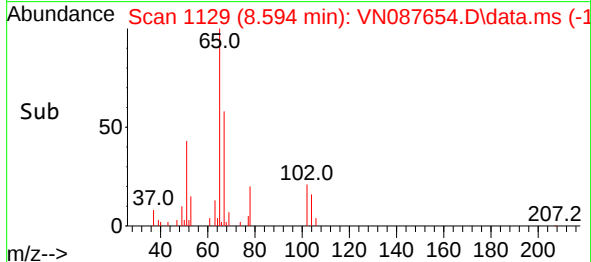
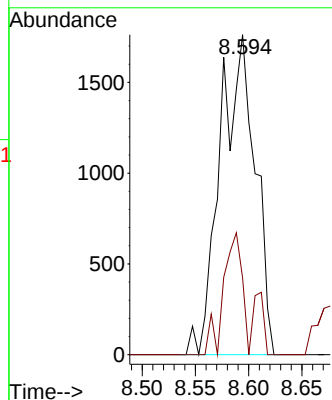
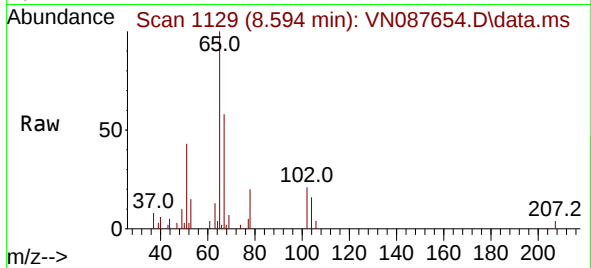




#40
Benzene
Concen: 0.280 ug/l
RT: 8.594 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

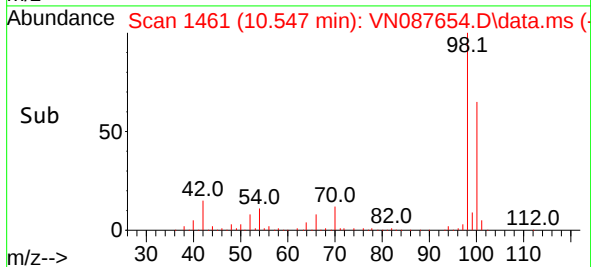
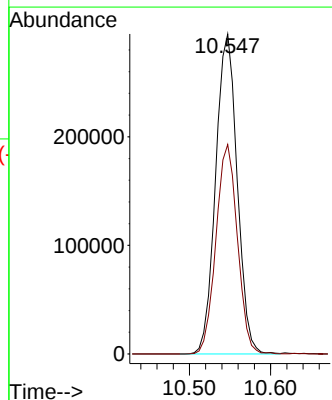
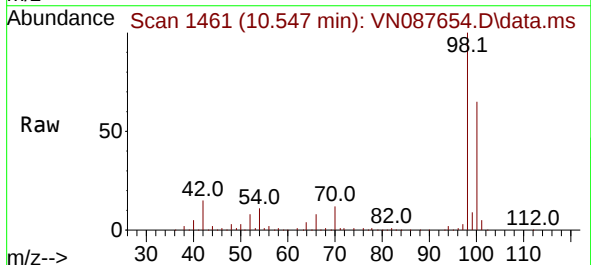
Instrument :
MSVOA_N
ClientSampleId :

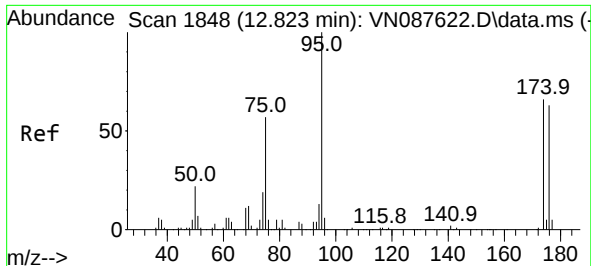
Tgt Ion: 78 Resp: 4019
Ion Ratio Lower Upper
78 100
77 24.0 19.7 29.5



#50
Toluene-d8
Concen: 47.647 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

Tgt Ion: 98 Resp: 543875
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2

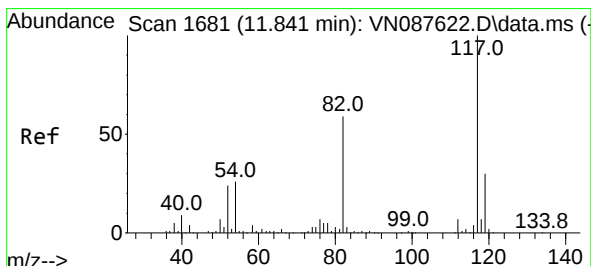
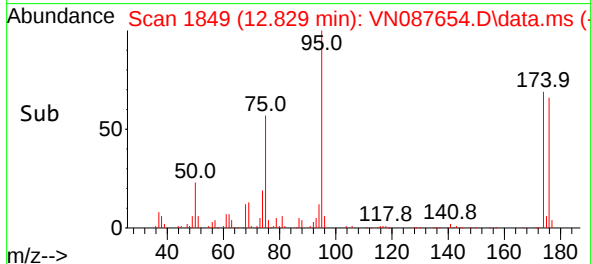
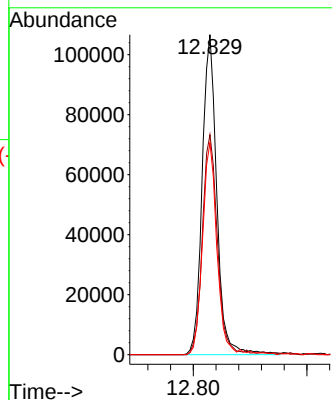
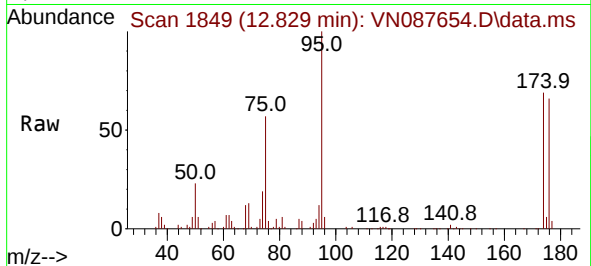




#62
4-Bromofluorobenzene
Concen: 46.896 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

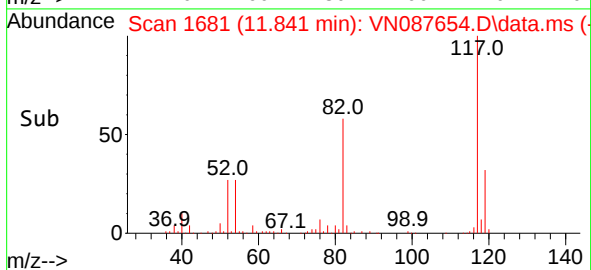
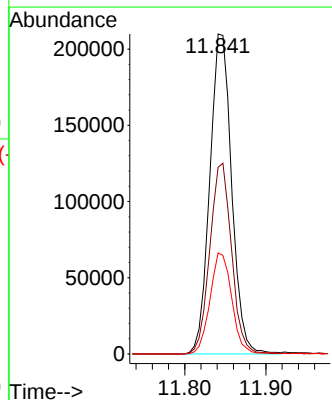
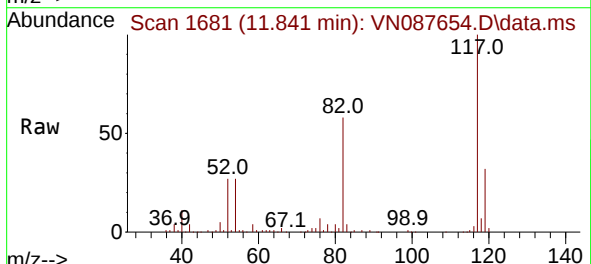
Instrument :
MSVOA_N
ClientSampleId :

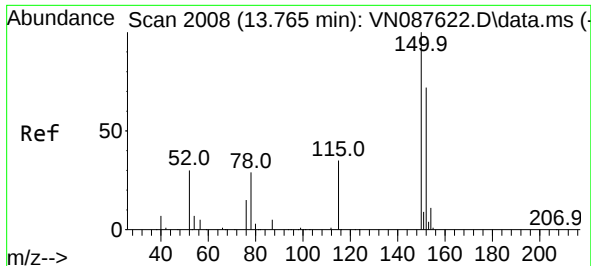
Tgt Ion: 95 Resp: 190374
Ion Ratio Lower Upper
95 100
174 70.2 0.0 138.4
176 66.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087654.D
Acq: 25 Aug 2025 13:58

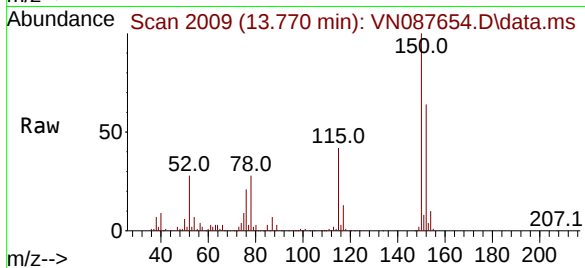
Tgt Ion: 117 Resp: 393280
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 31.6 24.3 36.5



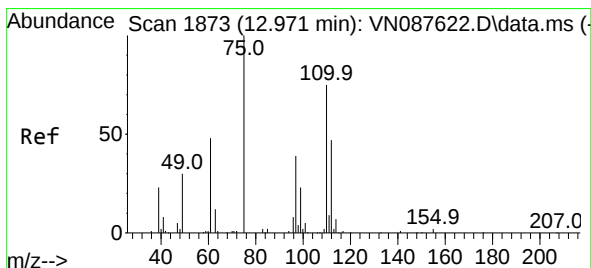
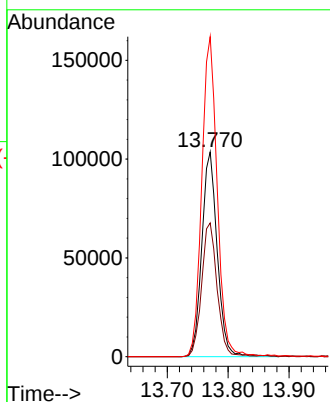
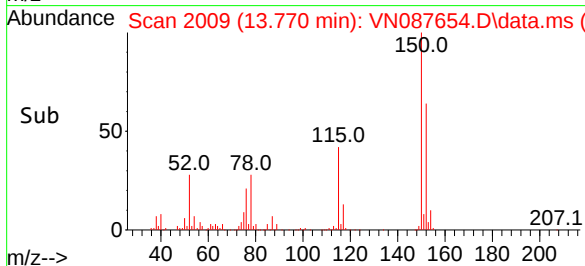


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087654.D
 Acq: 25 Aug 2025 13:58

Instrument :
 MSVOA_N
 ClientSampleId :

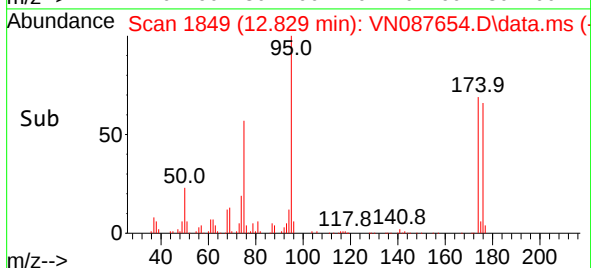
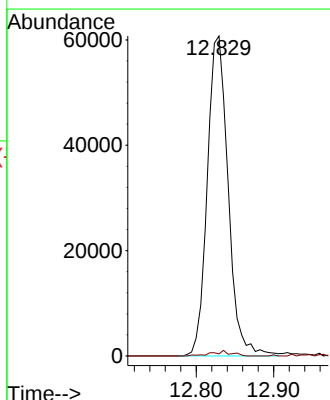
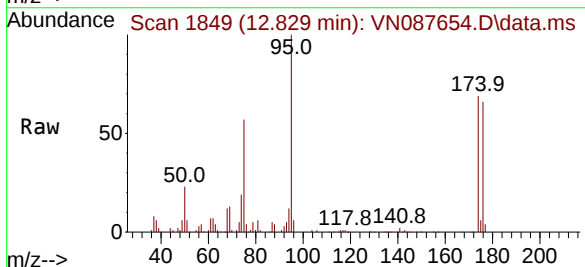


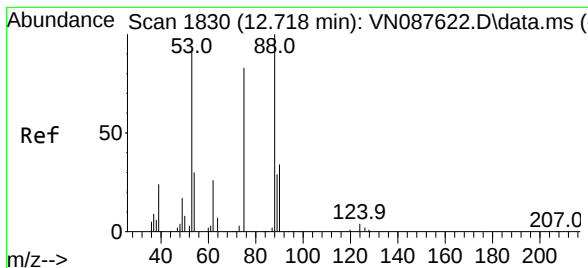
Tgt Ion:152 Resp: 182948
 Ion Ratio Lower Upper
 152 100
 115 65.6 32.3 96.8
 150 155.7 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 26.466 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087654.D
 Acq: 25 Aug 2025 13:58

Tgt Ion: 75 Resp: 113546
 Ion Ratio Lower Upper
 75 100
 77 1.5 89.1 267.4#

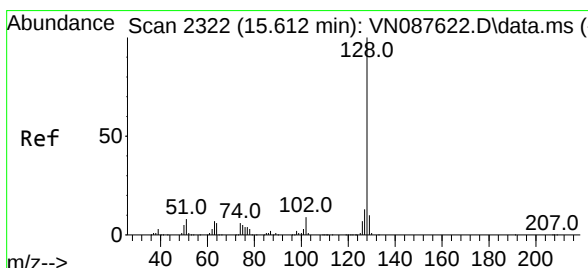
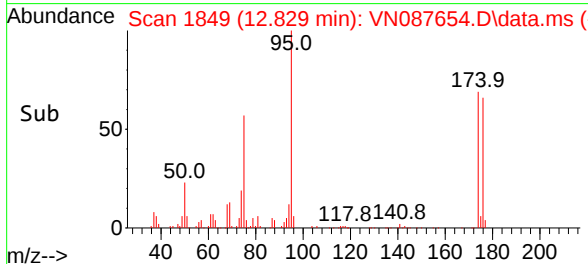
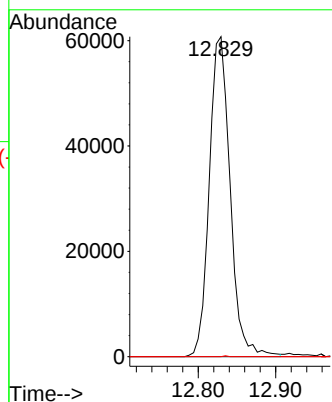
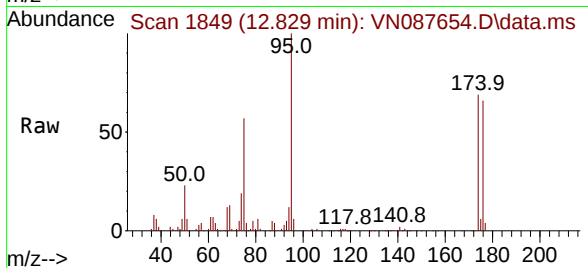




#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.066 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087654.D
 Acq: 25 Aug 2025 13:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 113546
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.1 35.6 53.4#



#95
 Naphthalene
 Concen: 1.094 ug/l
 RT: 15.606 min Scan# 2321
 Delta R.T. -0.006 min
 Lab File: VN087654.D
 Acq: 25 Aug 2025 13:58

Tgt Ion:128 Resp: 15152
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.6 15.8
 129 10.8 8.6 12.8

