

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087641.D
 Acq On : 22 Aug 2025 15:05
 Operator : JC\MD
 Sample : Q2924-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2A-082025

Quant Time: Aug 25 01:21:30 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.	T. QIon	Response	Conc	Units	Dev(Min)

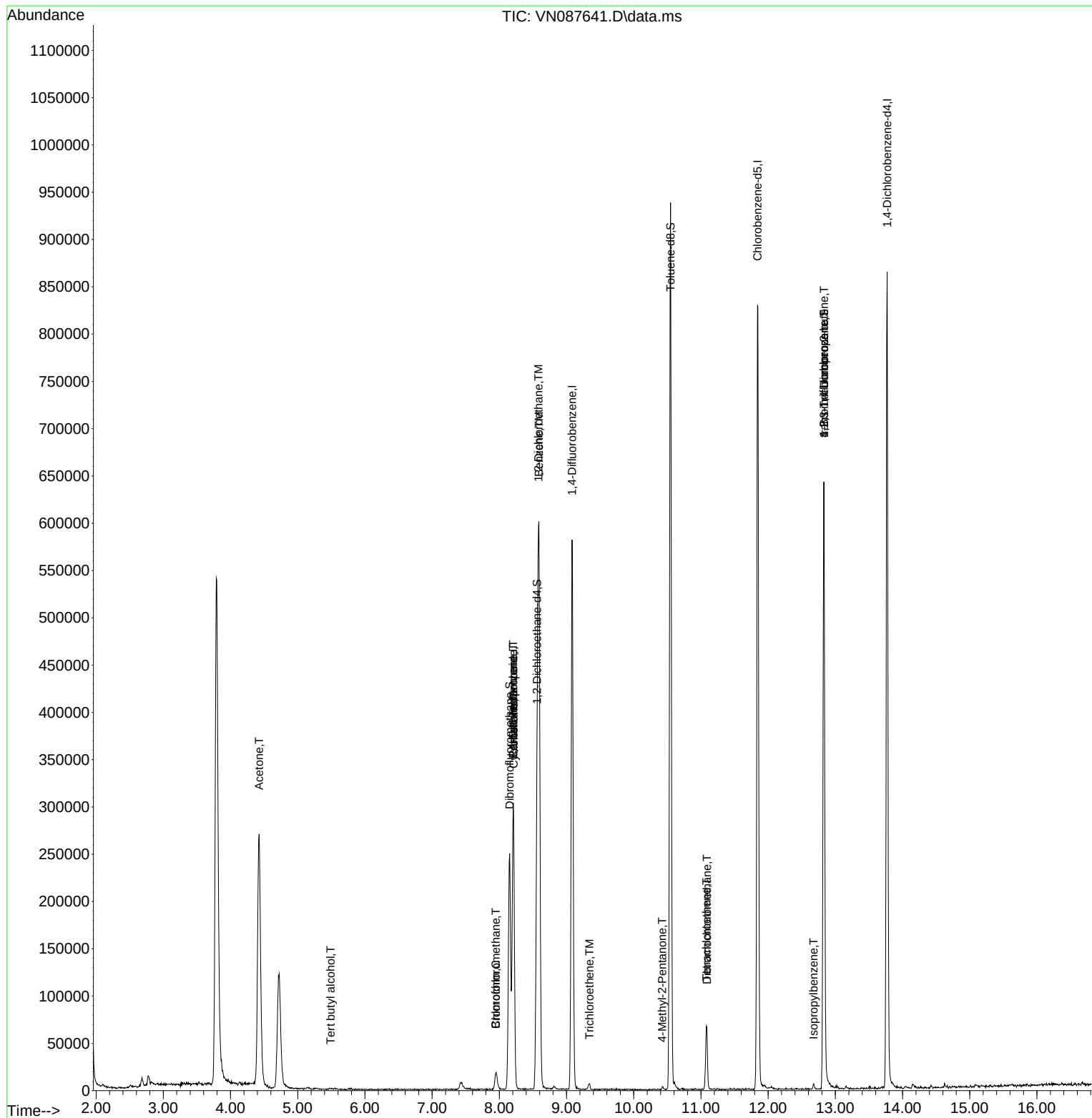
Internal Standards						
1) Pentafluorobenzene	8.206	168	201947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	468520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	455449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	212571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	239772	57.949	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.900%
35) Dibromofluoromethane	8.153	113	174174	51.490	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.980%
50) Toluene-d8	10.547	98	611296	48.282	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.560%
62) 4-Bromofluorobenzene	12.829	95	220487	48.969	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.940%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.489	59	497	0.692	ug/l #	71
16) Acetone	4.424	43	525350	233.239	ug/l	99
20) Methylene Chloride	5.265	84	1113	Below Cal	#	44
28) Bromochloromethane	7.947	49	1499	0.497	ug/l #	19
30) Chloroform	7.947	83	16943	2.659	ug/l	87
31) Cyclohexane	8.212	56	6857	1.318	ug/l #	58
36) 1,1-Dichloropropene	8.206	75	20061	3.866	ug/l #	49
38) Carbon Tetrachloride	8.206	117	23902	4.665	ug/l #	17
40) Benzene	8.588	78	521851	32.786	ug/l	99
42) 1,2-Dichloroethane	8.583	62	2702	0.442	ug/l	81
44) Trichloroethene	9.341	130	2069	0.569	ug/l	75
51) 4-Methyl-2-Pentanone	10.424	43	1618	0.242	ug/l #	64
60) Dibromochloromethane	11.088	129	14464	3.270	ug/l #	10
64) Tetrachloroethene	11.082	164	13920	4.405	ug/l	86
73) Isopropylbenzene	12.676	105	4042	0.235	ug/l	97
76) 1,2,3-Trichloropropane	12.829	75	129239	25.926	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	129239	68.636	ug/l #	1

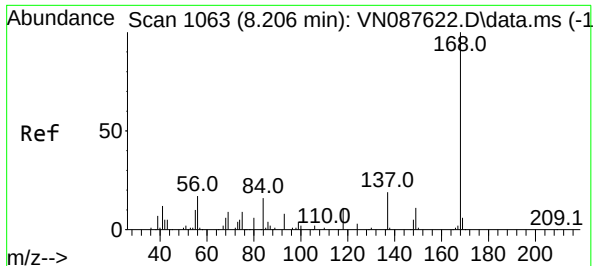
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

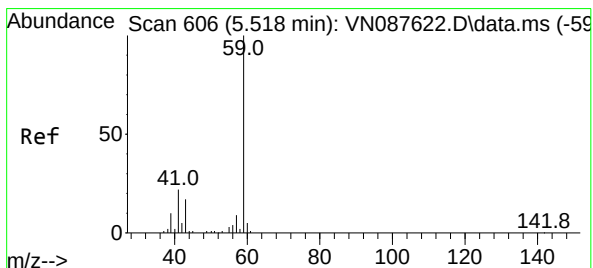
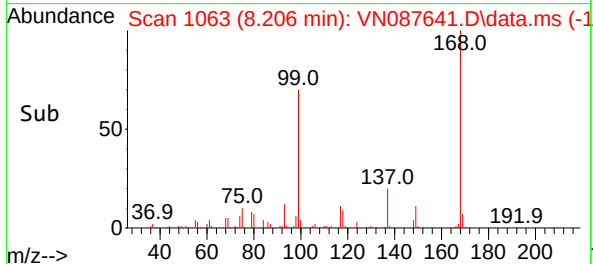
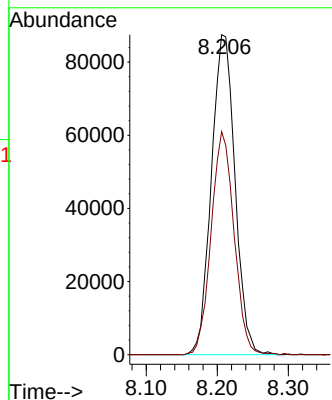
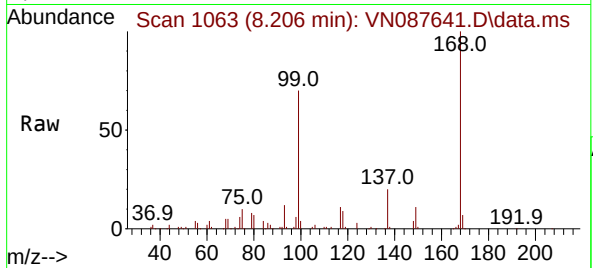




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

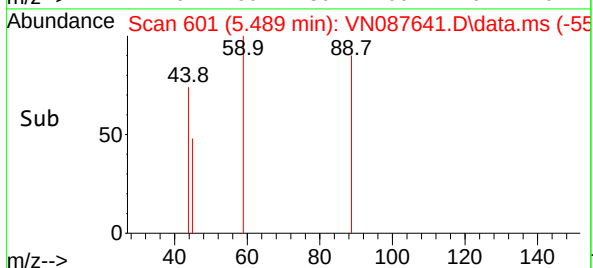
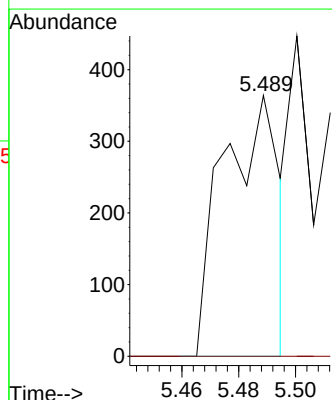
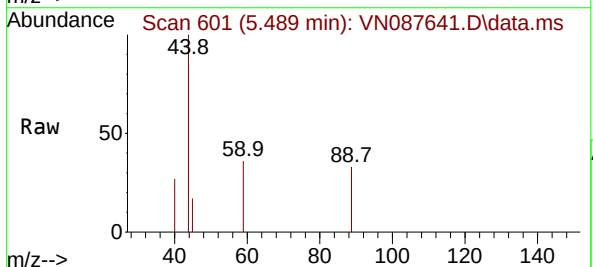
Instrument :
MSVOA_N
ClientSampleId :
MW-2A-082025

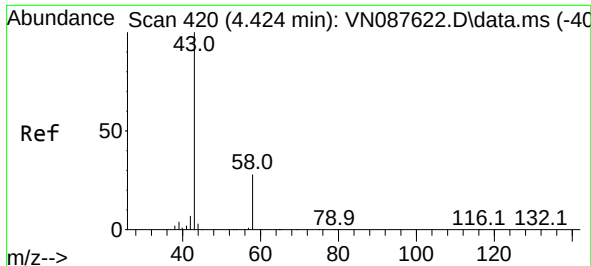
Tgt Ion:168 Resp: 201947
Ion Ratio Lower Upper
168 100
99 69.7 57.2 85.8



#11
Tert butyl alcohol
Concen: 0.692 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.029 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

Tgt Ion: 59 Resp: 497
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

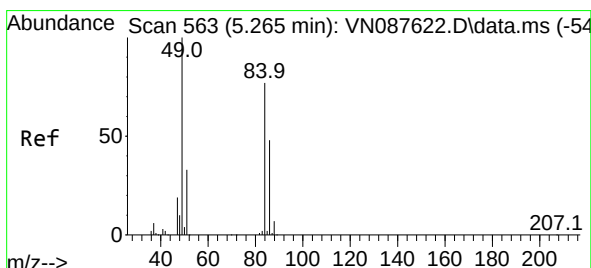
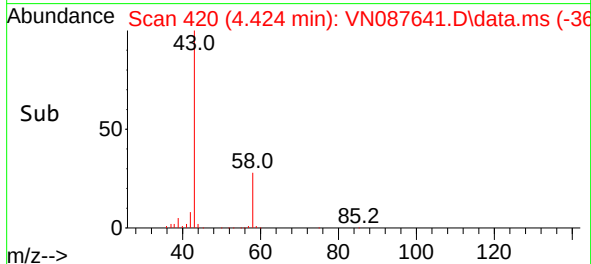
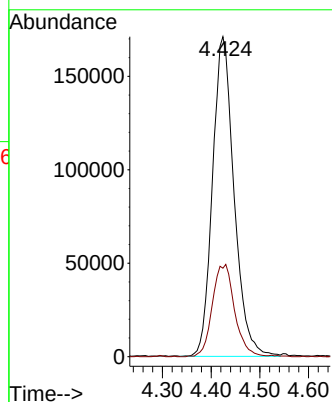
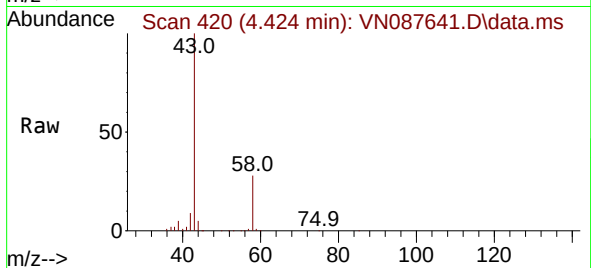




#16
Acetone
Concen: 233.239 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

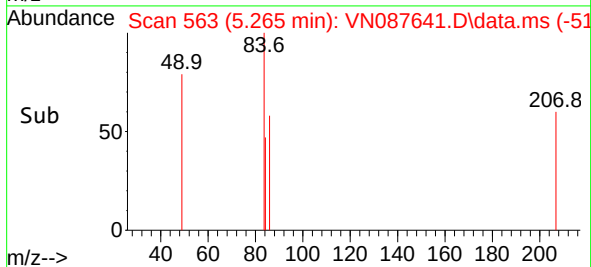
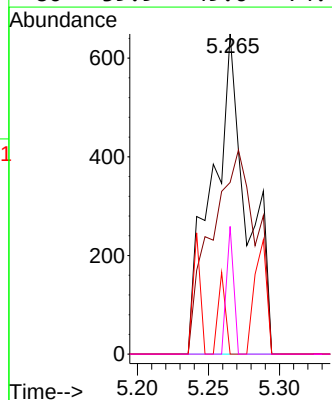
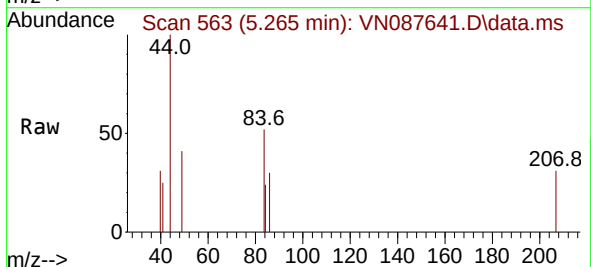
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MSVOA_N
ClientSampleId :
MW-2A-082025

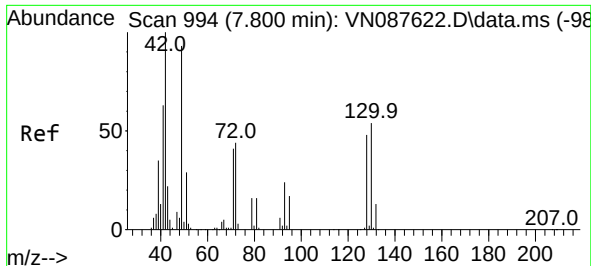
Tgt Ion: 43 Resp: 525350
Ion Ratio Lower Upper
43 100
58 27.7 22.6 33.8



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

Tgt Ion: 84 Resp: 1113
Ion Ratio Lower Upper
84 100
49 53.6 103.4 155.2#
51 0.0 33.8 50.8#
86 39.9 49.6 74.4#

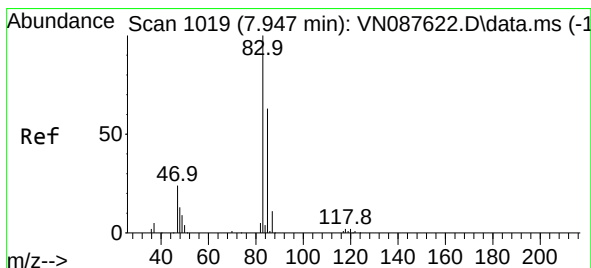
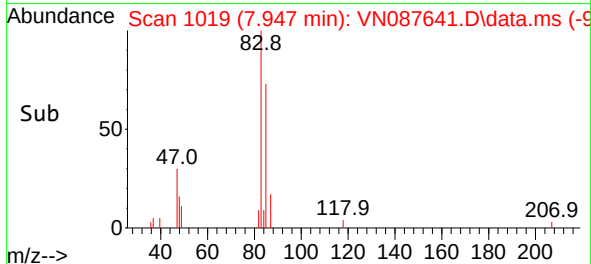
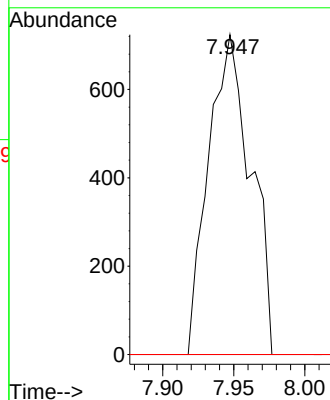
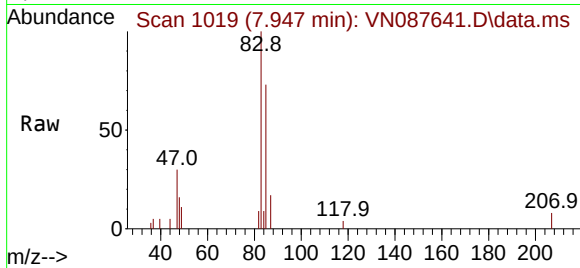




#28
Bromochloromethane
Concen: 0.497 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.147 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

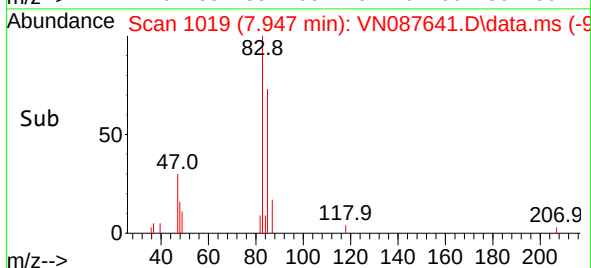
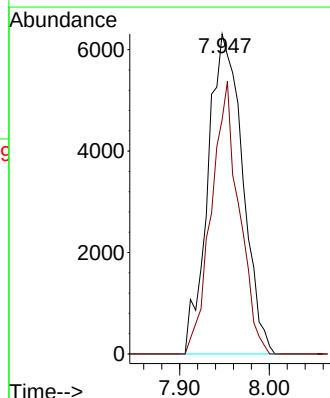
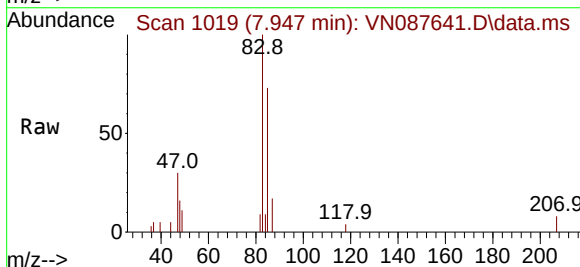
Instrument :
MSVOA_N
ClientSampleId :
MW-2A-082025

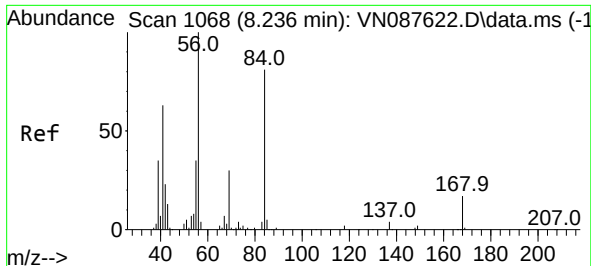
Tgt Ion: 49 Resp: 1499
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 0.0 53.1 79.7#



#30
Chloroform
Concen: 2.659 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

Tgt Ion: 83 Resp: 16943
Ion Ratio Lower Upper
83 100
85 73.2 50.7 76.1

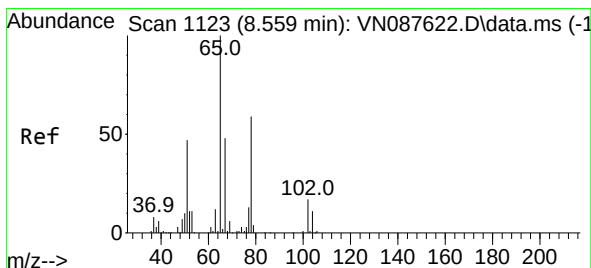
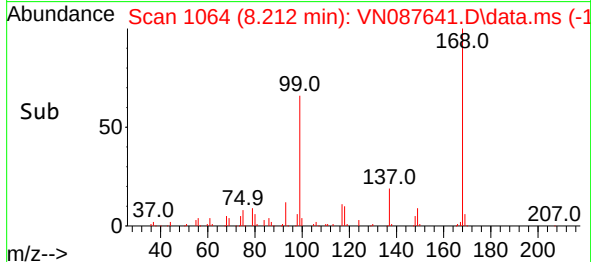
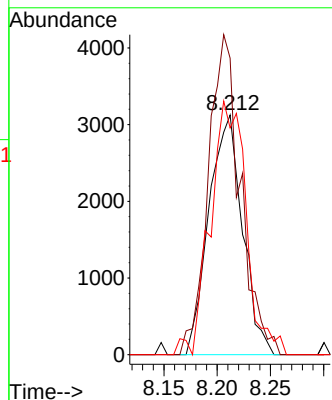
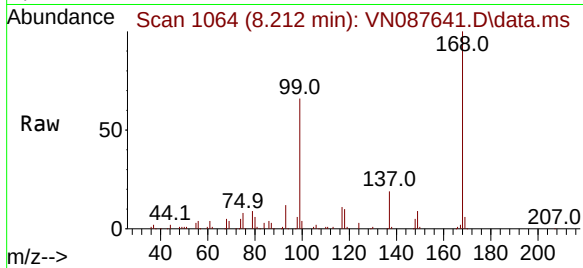




#31
Cyclohexane
Concen: 1.318 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

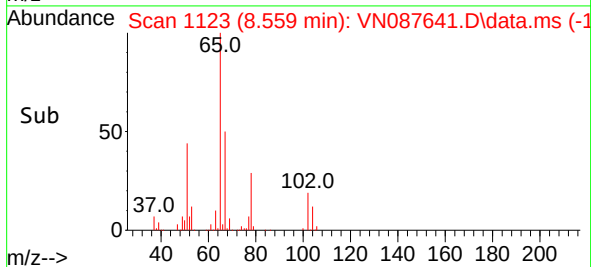
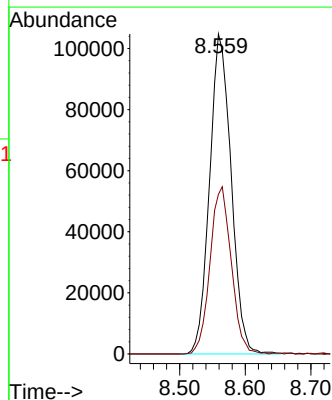
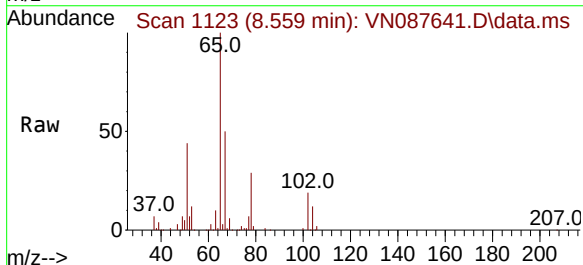
Instrument :
MSVOA_N
ClientSampleId :
MW-2A-082025

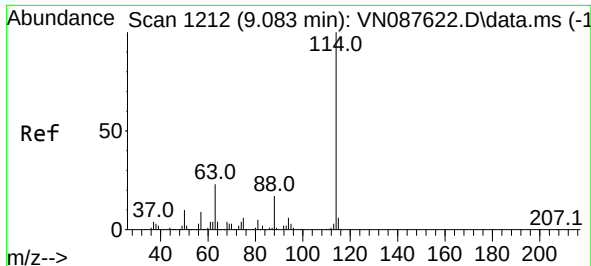
Tgt Ion: 56 Resp: 6857
Ion Ratio Lower Upper
56 100
69 113.8 23.7 35.5#
84 80.8 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 57.949 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

Tgt Ion: 65 Resp: 239772
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.0

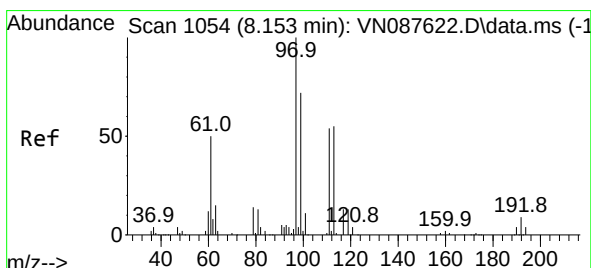
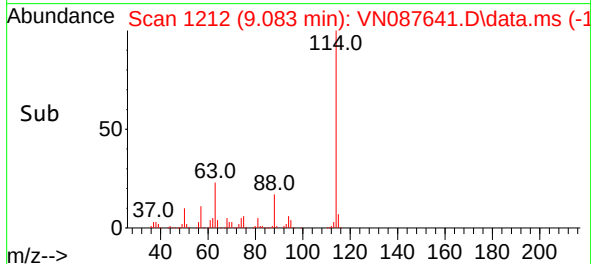
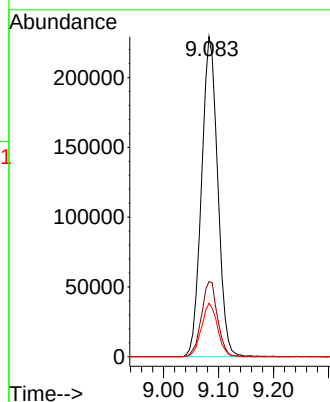
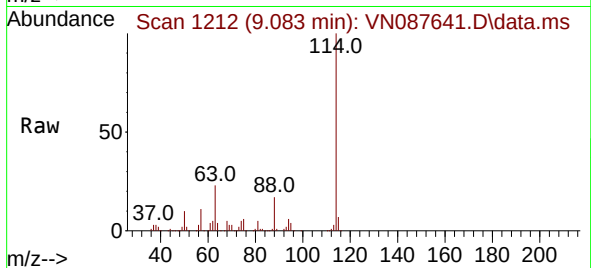




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

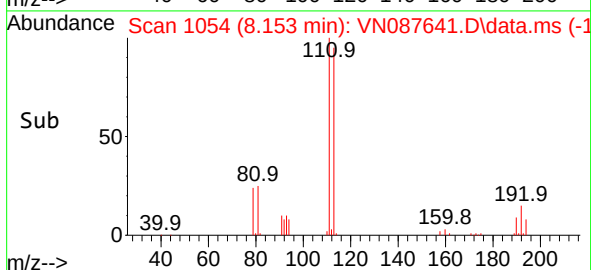
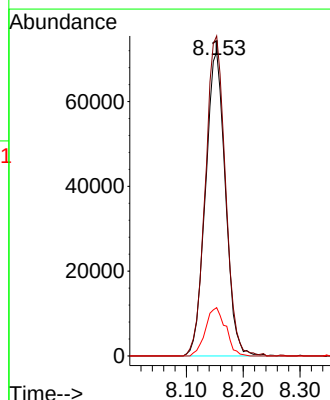
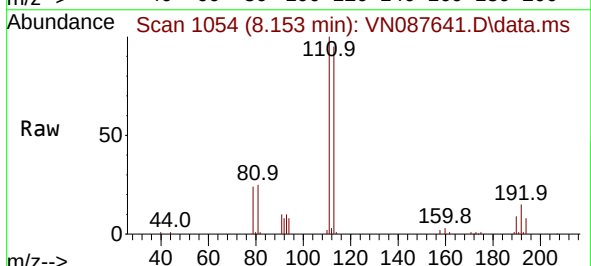
Instrument :
MSVOA_N
ClientSampleId :
MW-2A-082025

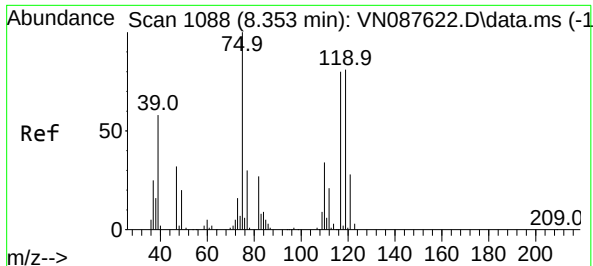
Tgt Ion:	114	Resp:	468520
Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	45.2
88	16.7	0.0	33.4



#35
Dibromofluoromethane
Concen: 51.490 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

Tgt Ion:	113	Resp:	174174
Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.8	124.2
192	16.1	12.8	19.2





#36

1,1-Dichloropropene

Concen: 3.866 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087641.D

Acq: 22 Aug 2025 15:05

Instrument :

MSVOA_N

ClientSampleId :

MW-2A-082025

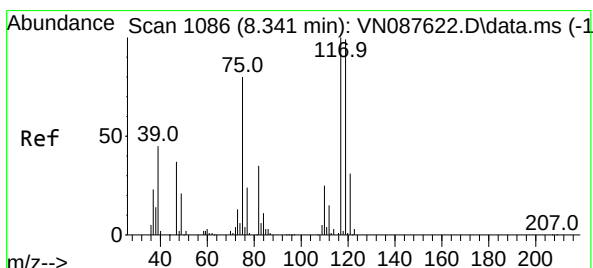
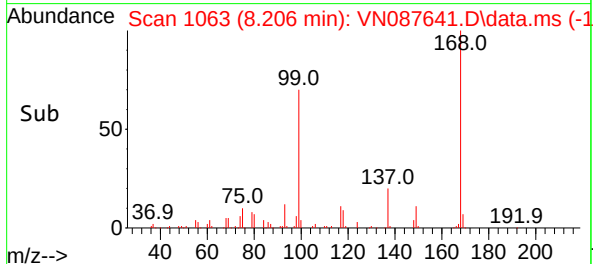
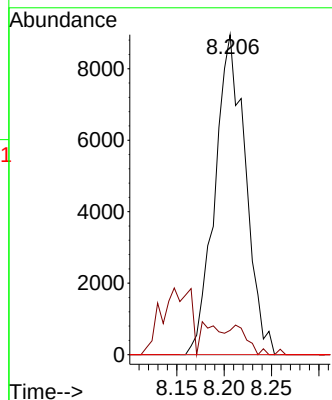
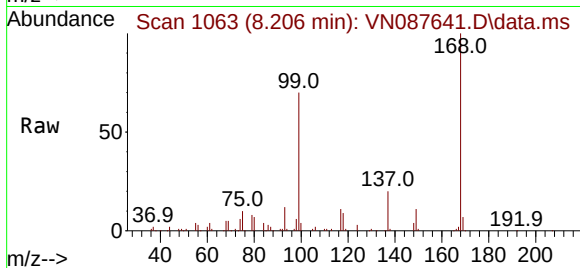
Tgt Ion: 75 Resp: 20061

Ion Ratio Lower Upper

75 100

110 5.5 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.665 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN087641.D

Acq: 22 Aug 2025 15:05

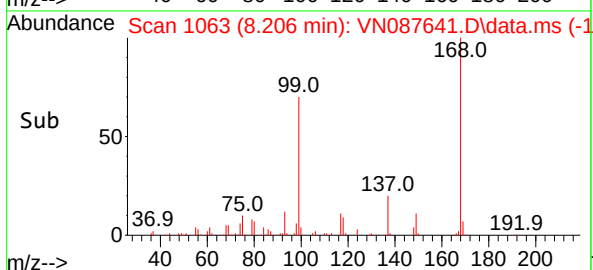
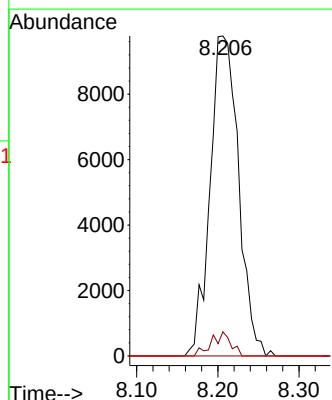
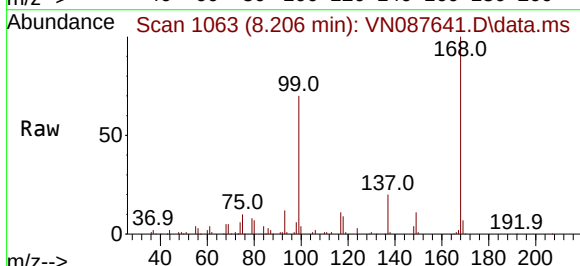
Tgt Ion: 117 Resp: 23902

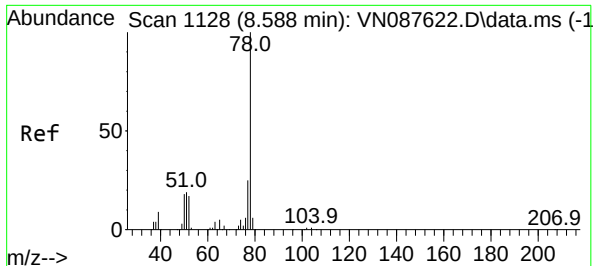
Ion Ratio Lower Upper

117 100

119 7.6 79.0 118.6#

121 0.0 25.0 37.6#

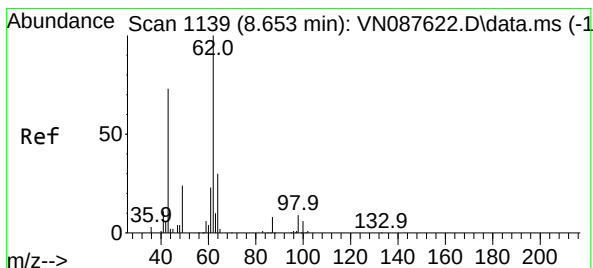
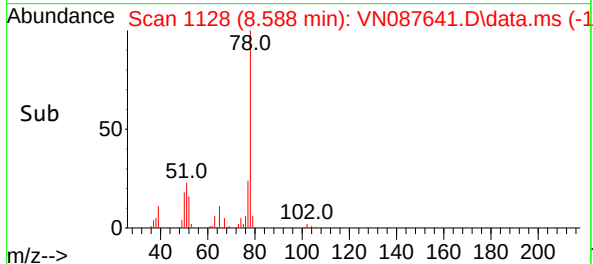
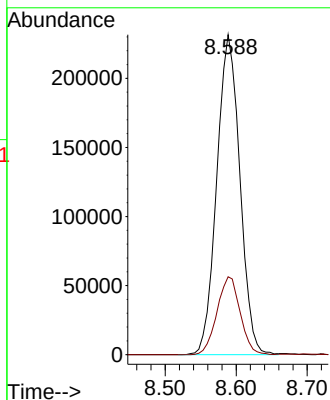
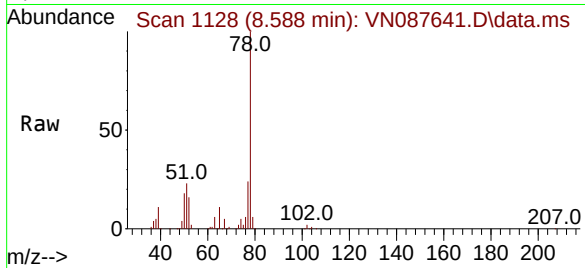




#40
Benzene
Concen: 32.786 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

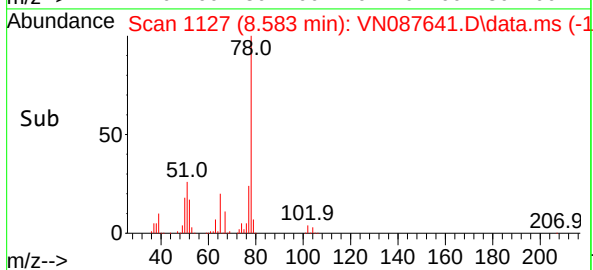
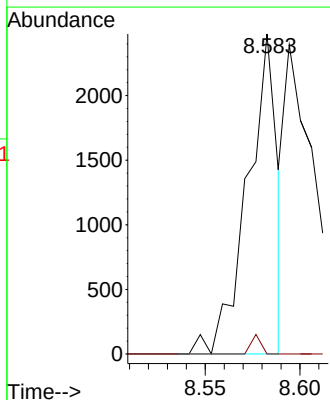
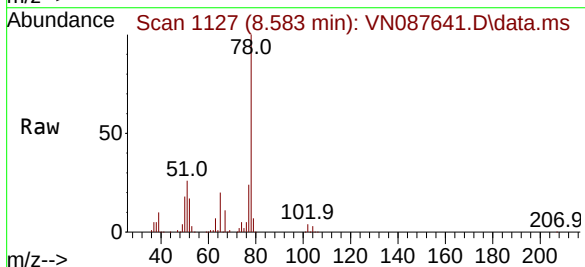
Instrument :
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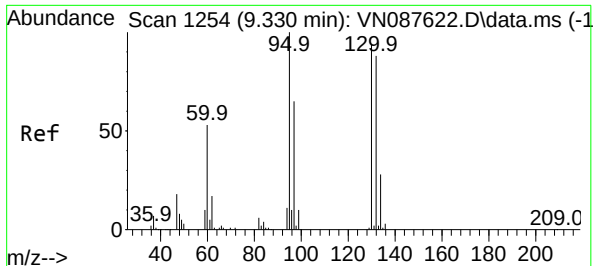
Tgt Ion: 78 Resp: 521851
Ion Ratio Lower Upper
78 100
77 24.4 19.7 29.5



#42
1,2-Dichloroethane
Concen: 0.442 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.071 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

Tgt Ion: 62 Resp: 2702
Ion Ratio Lower Upper
62 100
98 2.0 0.0 17.4

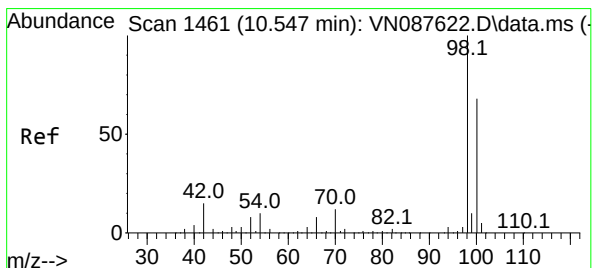
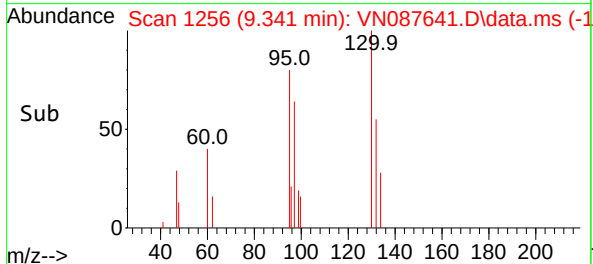
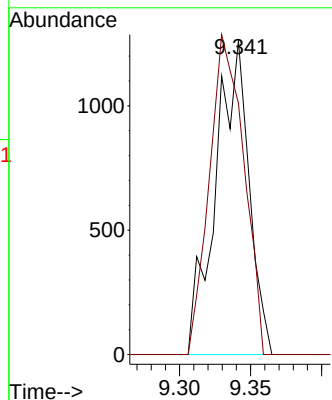
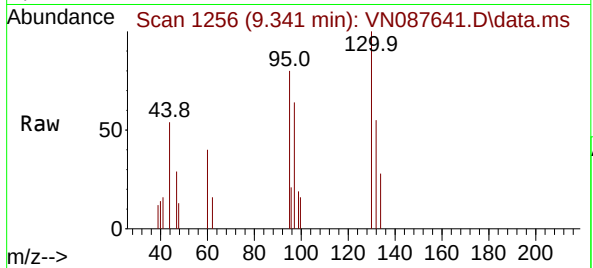




#44
Trichloroethene
Concen: 0.569 ug/l
RT: 9.341 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

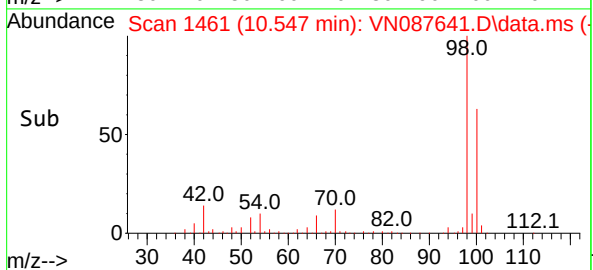
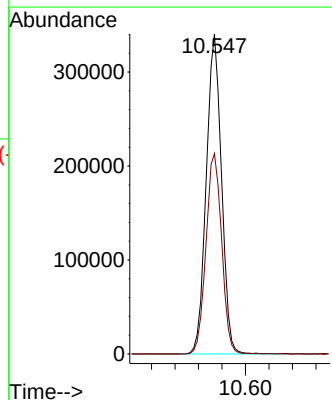
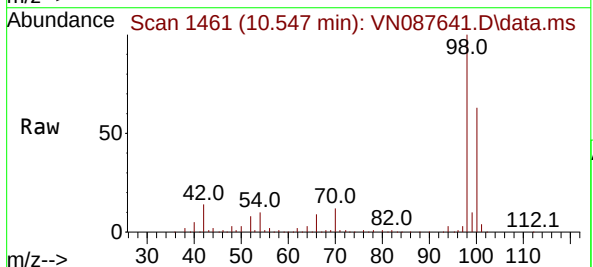
Instrument :
MSVOA_N
ClientSampleId :
MW-2A-082025

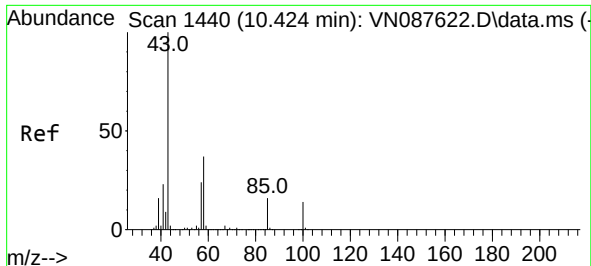
Tgt Ion:130 Resp: 2069
Ion Ratio Lower Upper
130 100
95 80.1 0.0 212.0



#50
Toluene-d8
Concen: 48.282 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

Tgt Ion: 98 Resp: 611296
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2

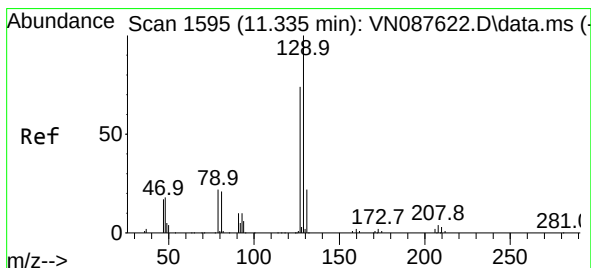
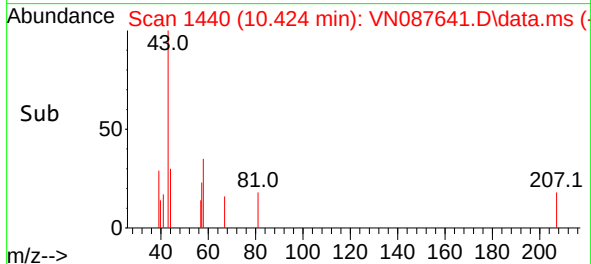
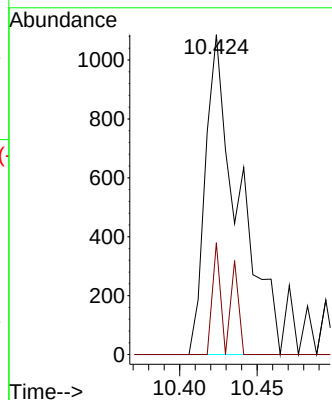
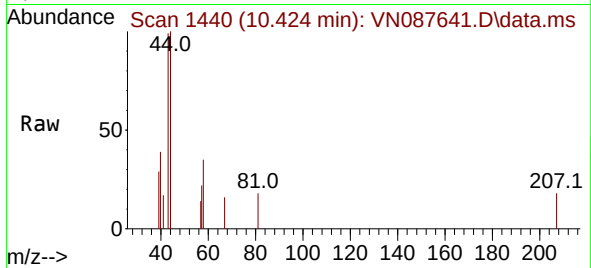




#51
4-Methyl-2-Pentanone
Concen: 0.242 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

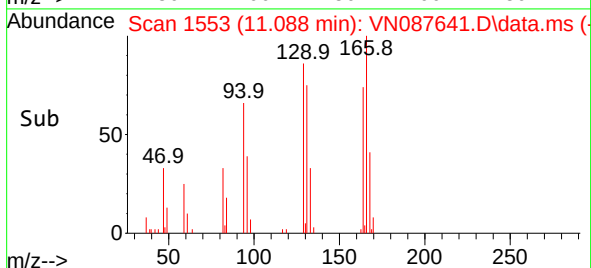
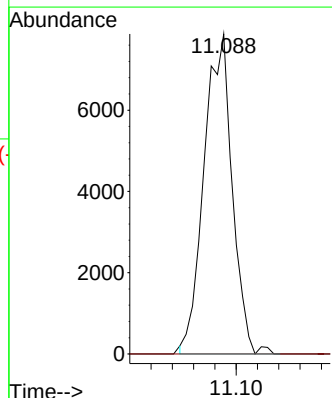
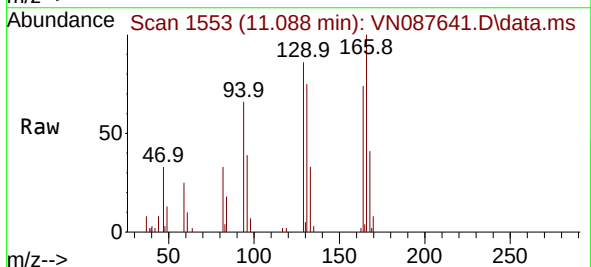
Instrument :
MSVOA_N
ClientSampleId :
MW-2A-082025

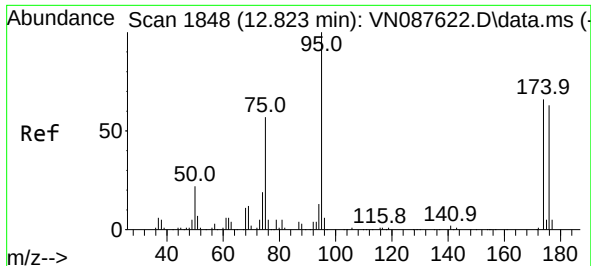
Tgt Ion: 43 Resp: 1618
Ion Ratio Lower Upper
43 100
58 15.3 29.6 44.4#



#60
Dibromochloromethane
Concen: 3.270 ug/l
RT: 11.088 min Scan# 1553
Delta R.T. -0.247 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

Tgt Ion: 129 Resp: 14464
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#

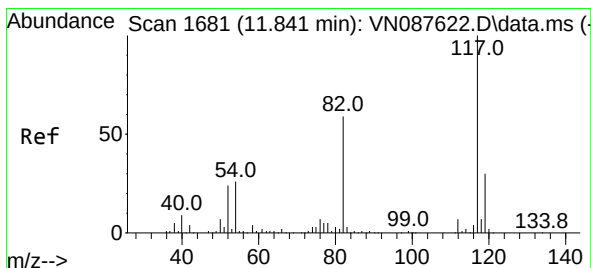
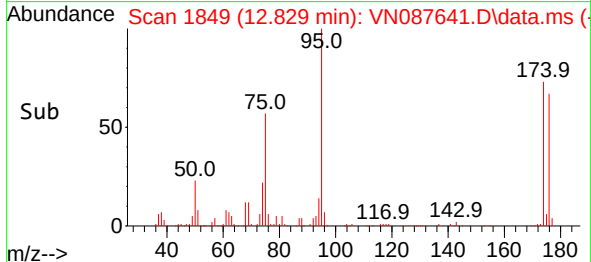
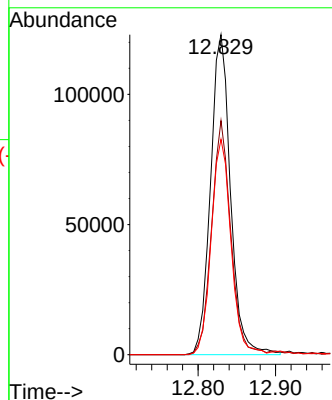
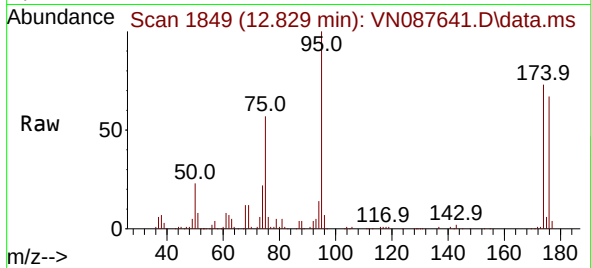




#62
4-Bromofluorobenzene
Concen: 48.969 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

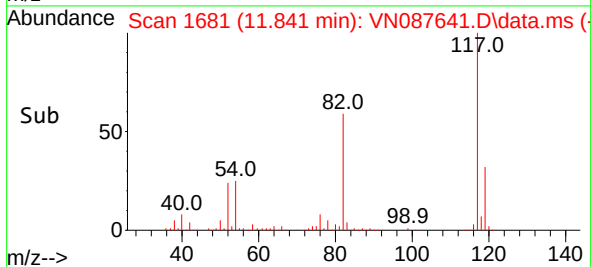
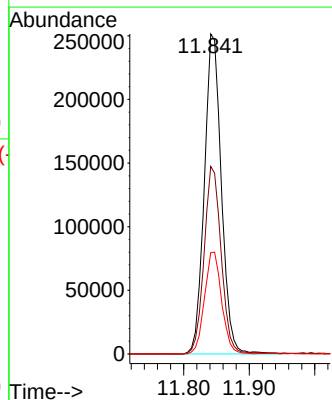
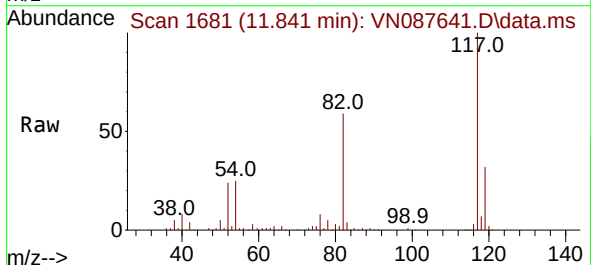
Instrument :
MSVOA_N
ClientSampleId :
MW-2A-082025

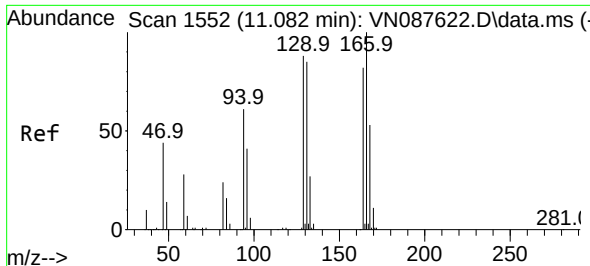
Tgt Ion: 95 Resp: 220487
Ion Ratio Lower Upper
95 100
174 70.1 0.0 138.4
176 66.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

Tgt Ion: 117 Resp: 455449
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 31.7 24.3 36.5

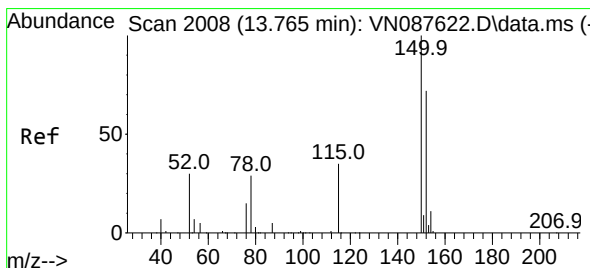
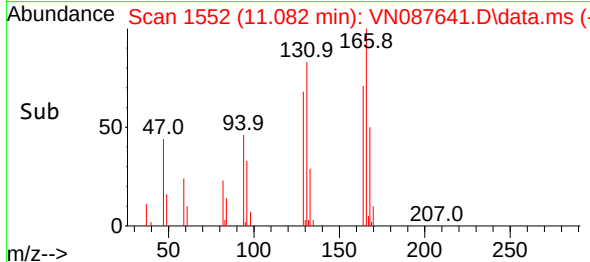
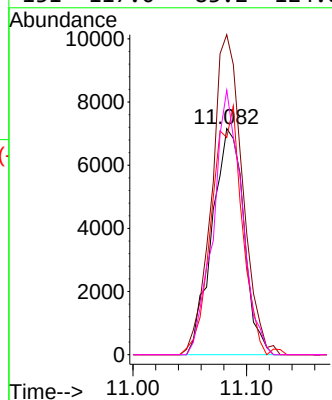
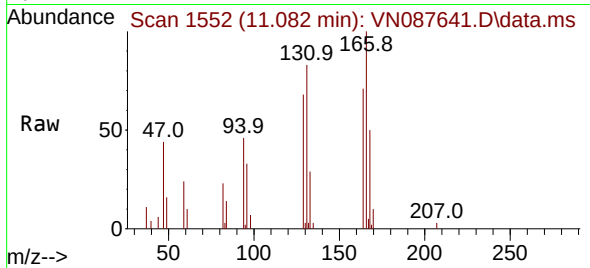




#64
Tetrachloroethene
Concen: 4.405 ug/l
RT: 11.082 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

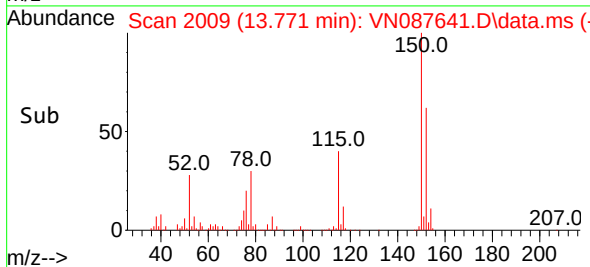
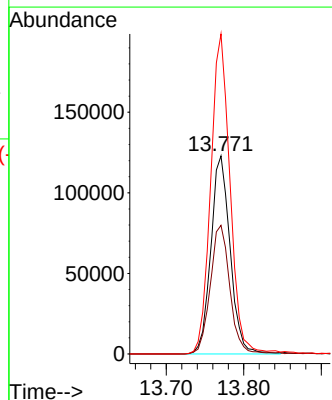
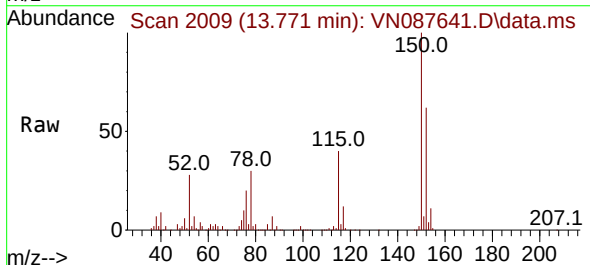
Instrument :
MSVOA_N
ClientSampleId :
MW-2A-082025

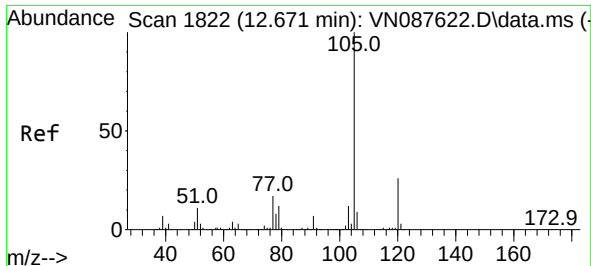
Tgt	Ion:164	Resp:	13920
Ion	Ratio	Lower	Upper
164	100		
166	141.6	97.7	146.5
129	96.1	85.9	128.9
131	117.0	83.2	124.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

Tgt	Ion:152	Resp:	212571
Ion	Ratio	Lower	Upper
152	100		
115	65.6	32.3	96.8
150	162.7	0.0	351.0

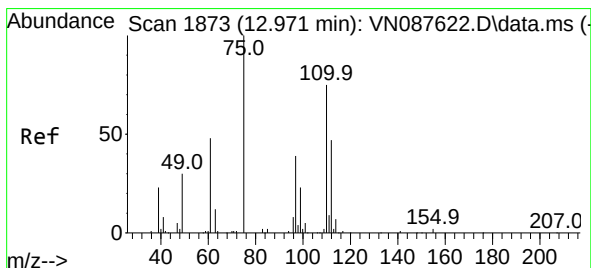
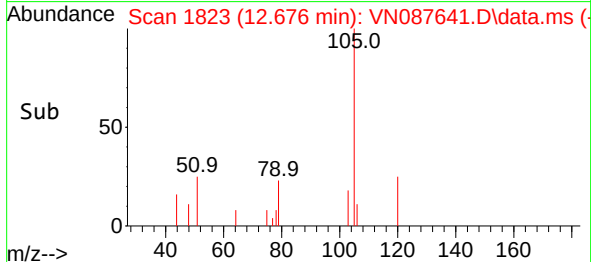
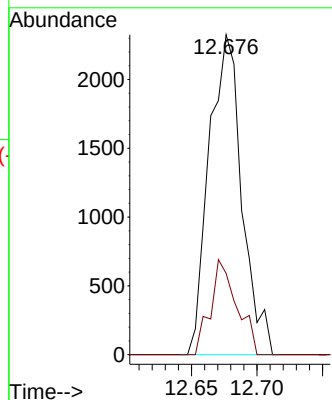
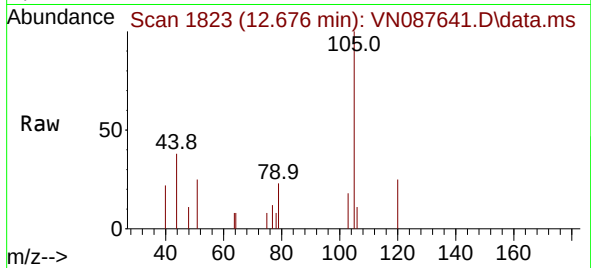




#73
Isopropylbenzene
Concen: 0.235 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

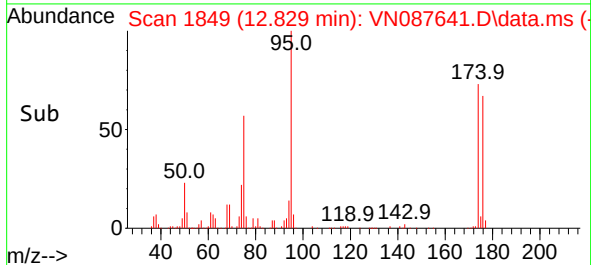
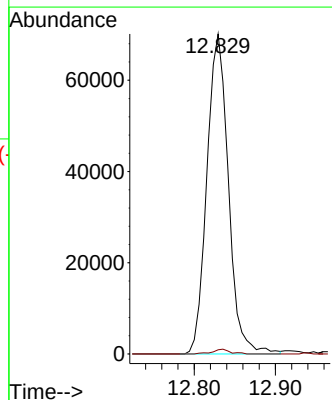
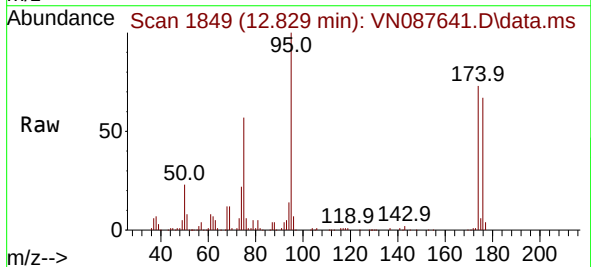
Instrument :
MSVOA_N
ClientSampleId :
MW-2A-082025

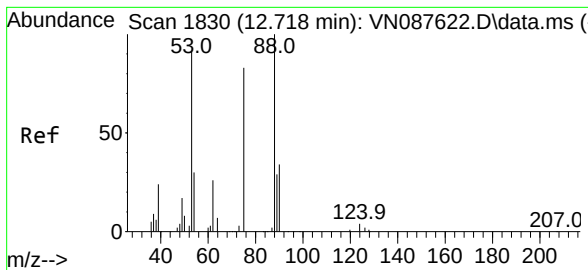
Tgt Ion:105 Resp: 4042
Ion Ratio Lower Upper
105 100
120 24.0 12.8 38.3



#76
1,2,3-Trichloropropane
Concen: 25.926 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087641.D
Acq: 22 Aug 2025 15:05

Tgt Ion: 75 Resp: 129239
Ion Ratio Lower Upper
75 100
77 1.2 89.1 267.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.636 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087641.D
 Acq: 22 Aug 2025 15:05

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2A-082025

Tgt Ion: 75 Resp: 129239
 Ion Ratio Lower Upper
 75 100
 53 0.1 101.8 152.6#
 89 0.1 35.6 53.4#

