

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087642.D
 Acq On : 22 Aug 2025 15:26
 Operator : JC\MD
 Sample : Q2936-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19C-082125

Quant Time: Aug 25 01:21:52 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)

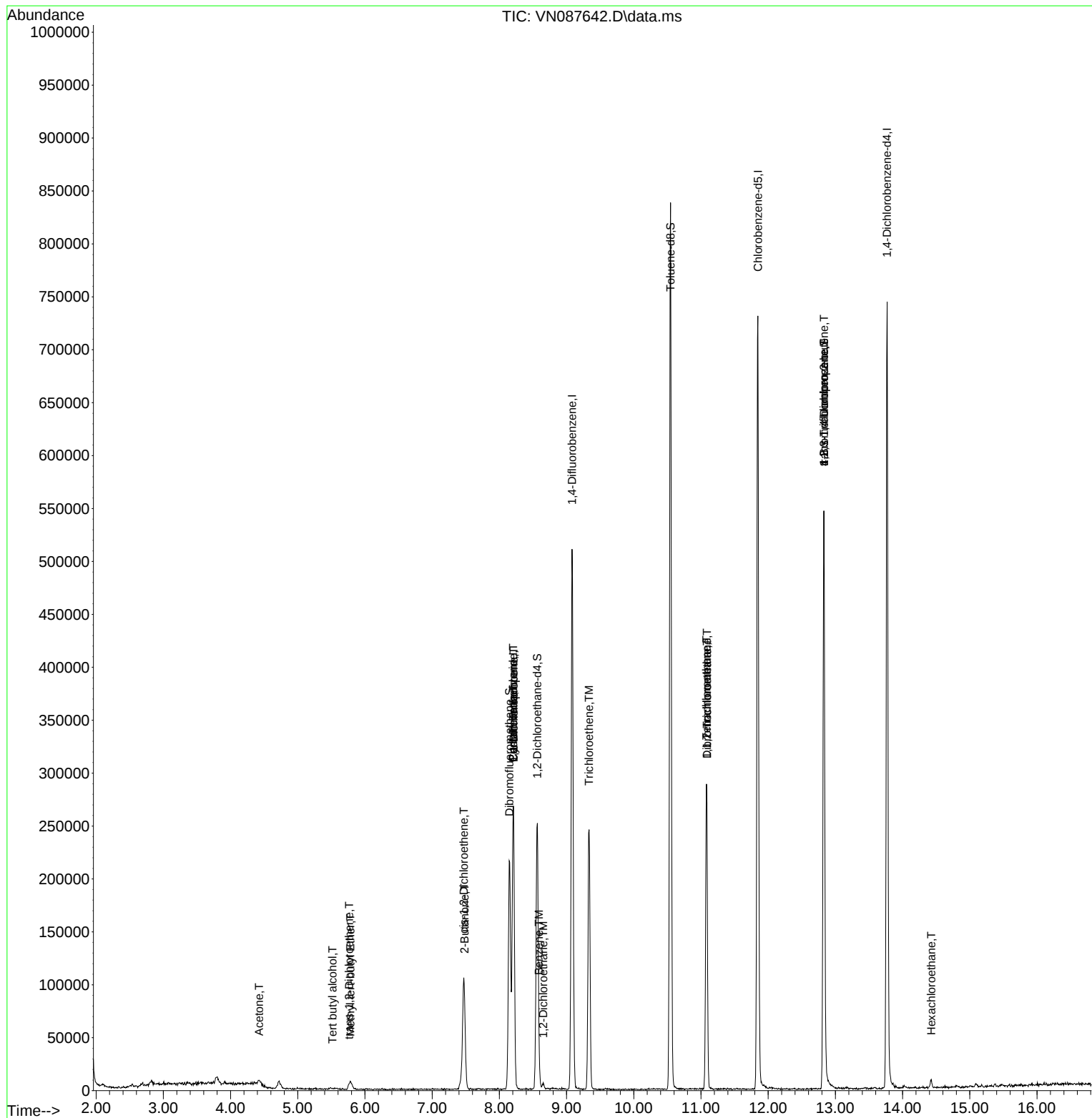
Internal Standards						
1) Pentafluorobenzene	8.206	168	178938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	421488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	403205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	189324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	210412	57.392	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.780%
35) Dibromofluoromethane	8.147	113	151482	49.778	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.560%
50) Toluene-d8	10.547	98	545197	47.867	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.740%
62) 4-Bromofluorobenzene	12.829	95	194723	48.073	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.140%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	286	0.449	ug/l #	71
16) Acetone	4.424	43	9885	4.953	ug/l	95
19) Methyl tert-butyl Ether	5.783	73	6069	0.627	ug/l	92
20) Methylene Chloride	5.259	84	176	Below Cal	#	31
21) trans-1,2-Dichloroethene	5.765	96	2693	0.963	ug/l #	83
25) 2-Butanone	7.482	43	604	0.230	ug/l #	22
27) cis-1,2-Dichloroethene	7.471	96	58449	17.486	ug/l	94
31) Cyclohexane	8.206	56	5832	1.265	ug/l #	60
36) 1,1-Dichloropropene	8.212	75	19135	4.099	ug/l #	52
38) Carbon Tetrachloride	8.206	117	22691	4.923	ug/l #	15
40) Benzene	8.588	78	6354	0.444	ug/l	95
42) 1,2-Dichloroethane	8.653	62	3975	0.722	ug/l	90
44) Trichloroethene	9.335	130	85049	26.015	ug/l	100
55) 1,1,2-Trichloroethane	11.088	97	710	0.207	ug/l #	31
60) Dibromochloromethane	11.088	129	61875	15.550	ug/l #	11
64) Tetrachloroethene	11.082	164	61116	21.847	ug/l	89
76) 1,2,3-Trichloropropane	12.829	75	113238	25.506	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	113238	67.523	ug/l #	1
90) Hexachloroethane	14.429	117	4511	1.787	ug/l #	22

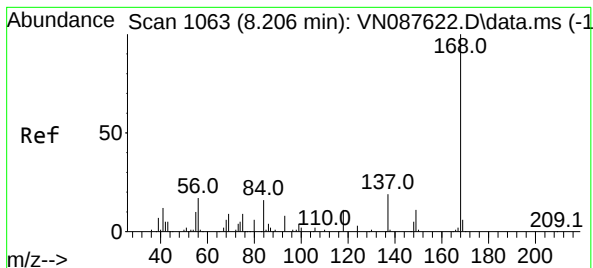
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

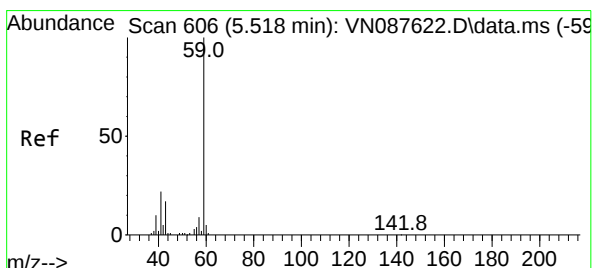
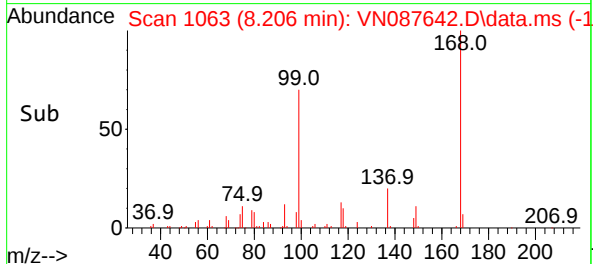
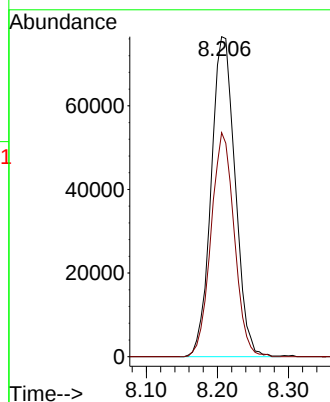
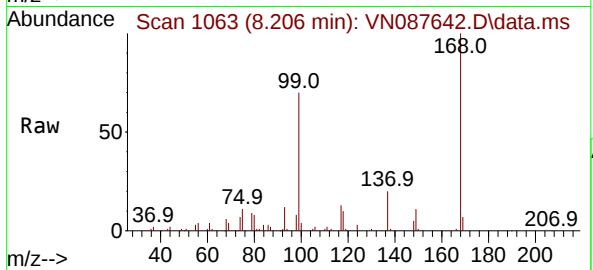




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

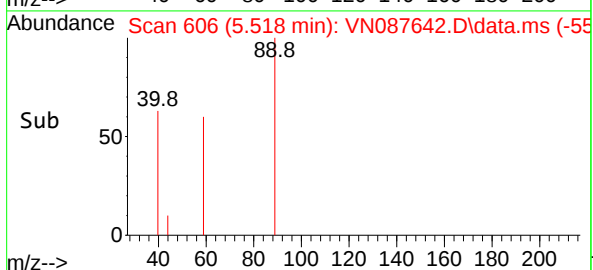
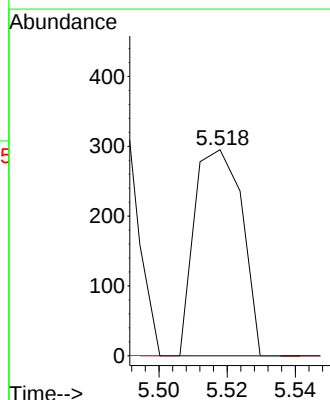
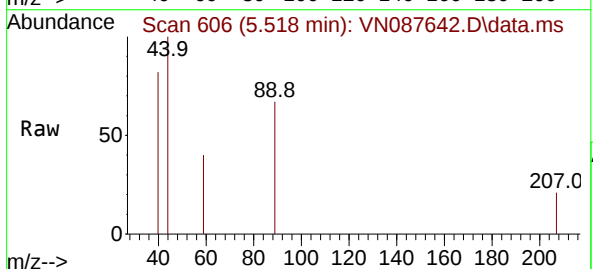
Instrument :
MSVOA_N
ClientSampleId :
MW-19C-082125

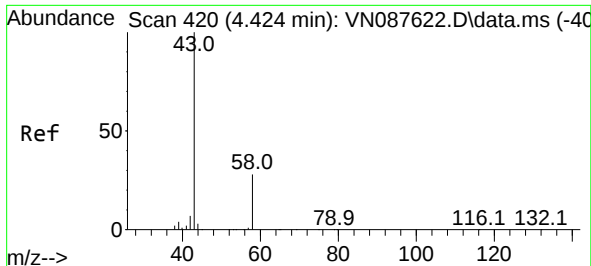
Tgt Ion:168 Resp: 178938
Ion Ratio Lower Upper
168 100
99 70.0 57.2 85.8



#11
Tert butyl alcohol
Concen: 0.449 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

Tgt Ion: 59 Resp: 286
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

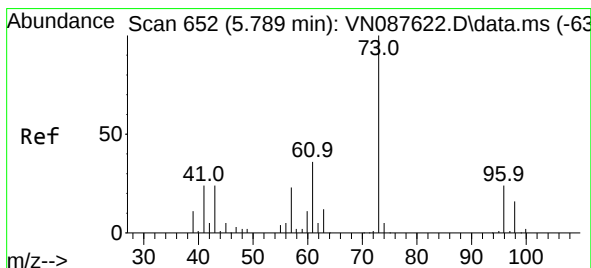
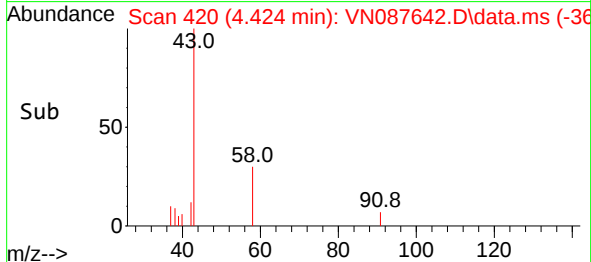
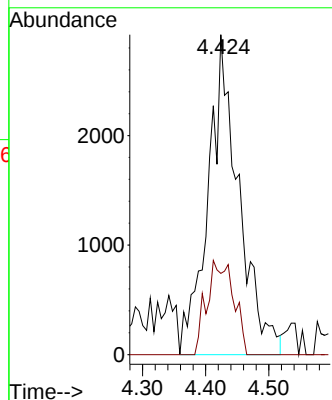
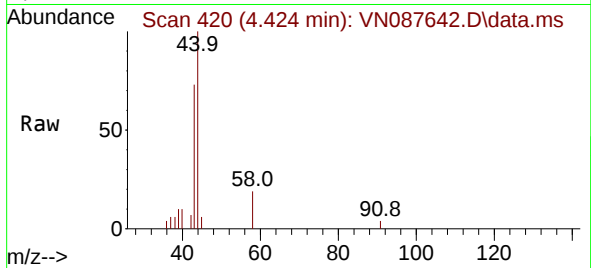




#16
Acetone
Concen: 4.953 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

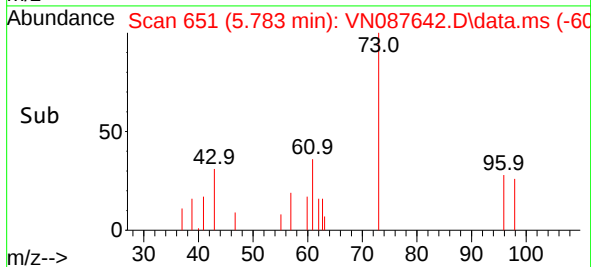
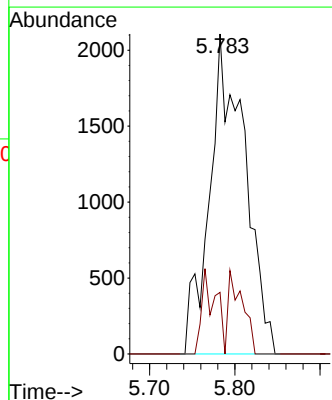
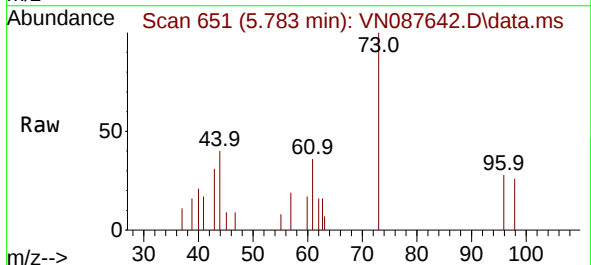
Instrument :
MSVOA_N
ClientSampleId :
MW-19C-082125

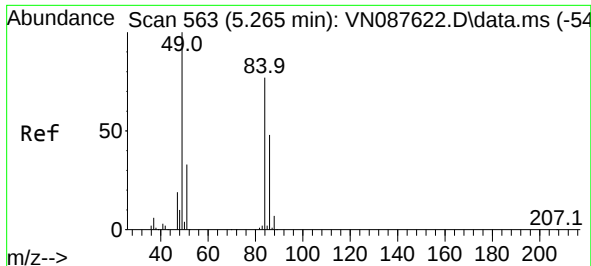
Tgt Ion: 43 Resp: 9885
Ion Ratio Lower Upper
43 100
58 25.4 22.6 33.8



#19
Methyl tert-butyl Ether
Concen: 0.627 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

Tgt Ion: 73 Resp: 6069
Ion Ratio Lower Upper
73 100
57 19.3 18.4 27.6

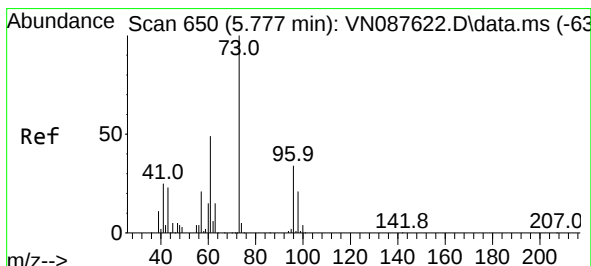
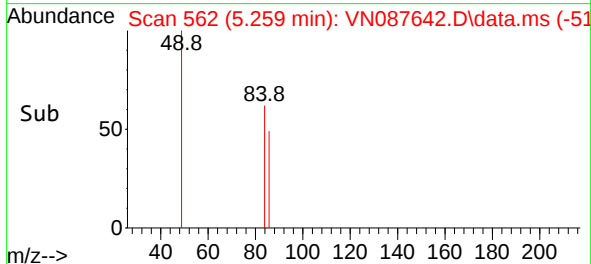
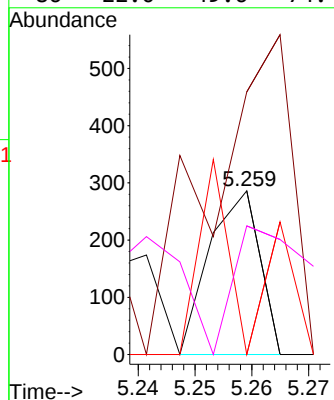
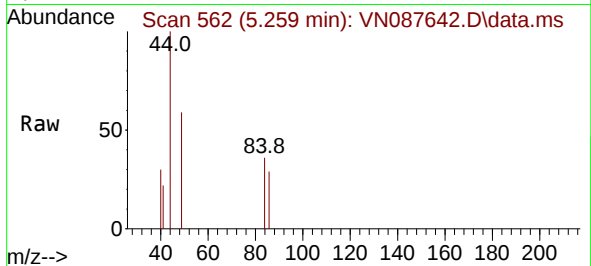




#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

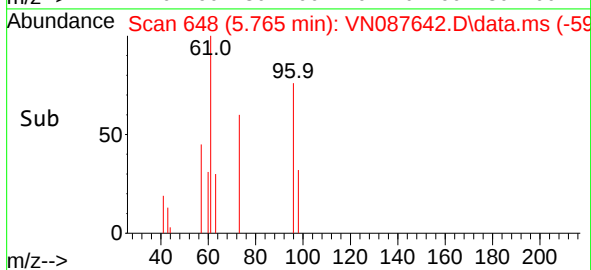
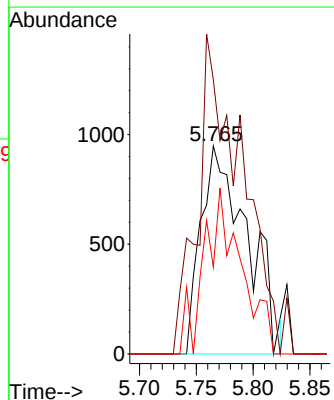
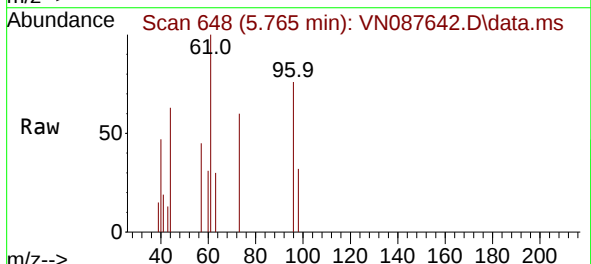
Instrument :
MSVOA_N
ClientSampleId :
MW-19C-082125

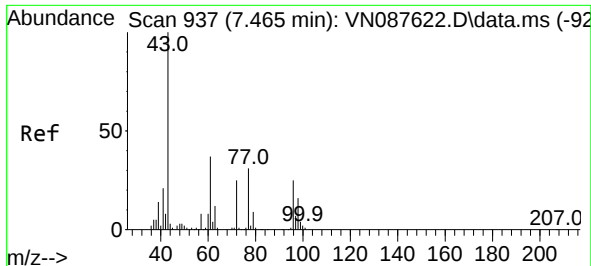
Tgt Ion:	84	Resp:	176
Ion	Ratio	Lower	Upper
84	100		
49	38.8	103.4	155.2#
51	0.0	33.8	50.8#
86	22.0	49.6	74.4#



#21
trans-1,2-Dichloroethene
Concen: 0.963 ug/l
RT: 5.765 min Scan# 648
Delta R.T. -0.012 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

Tgt Ion:	96	Resp:	2693
Ion	Ratio	Lower	Upper
96	100		
61	132.0	118.0	177.0
98	41.8	50.0	75.0#

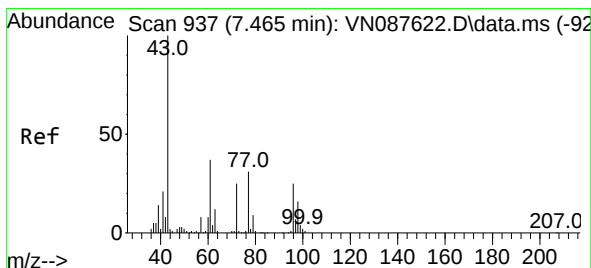
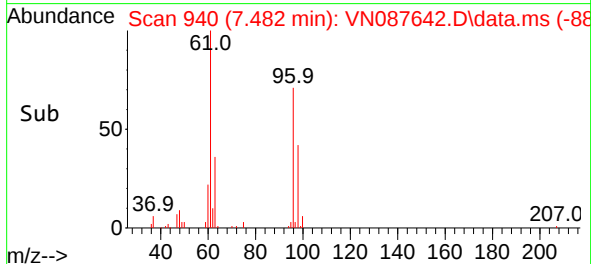
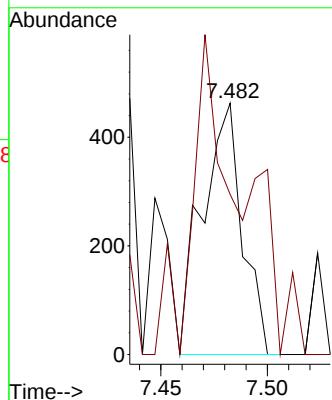
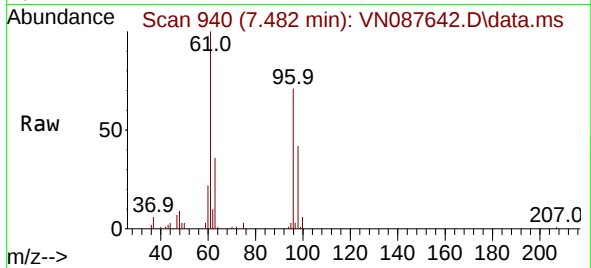




#25
2-Butanone
Concen: 0.230 ug/l
RT: 7.482 min Scan# 941
Delta R.T. 0.017 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

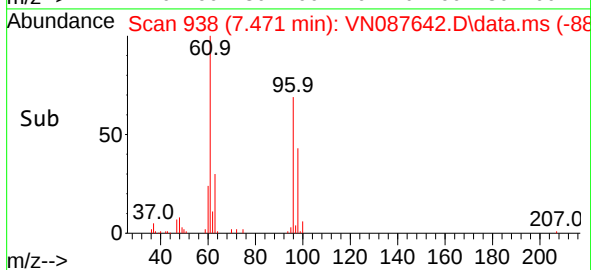
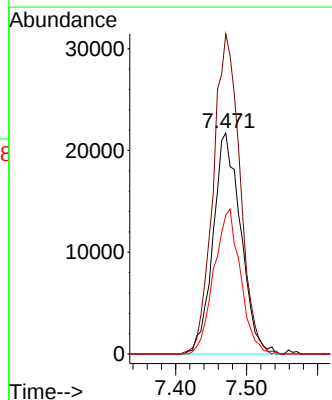
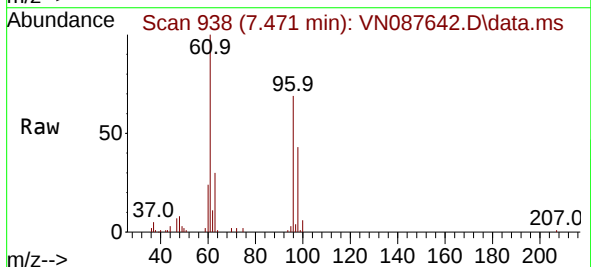
Instrument :
MSVOA_N
ClientSampleId :
MW-19C-082125

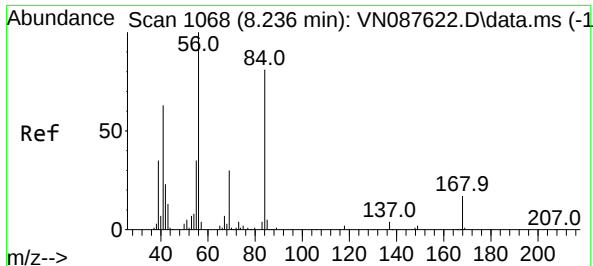
Tgt Ion: 43 Resp: 604
Ion Ratio Lower Upper
43 100
72 63.7 19.9 29.9#



#27
cis-1,2-Dichloroethene
Concen: 17.486 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

Tgt Ion: 96 Resp: 58449
Ion Ratio Lower Upper
96 100
61 141.0 0.0 301.8
98 63.0 0.0 126.2

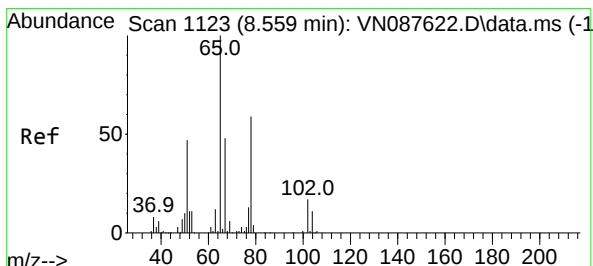
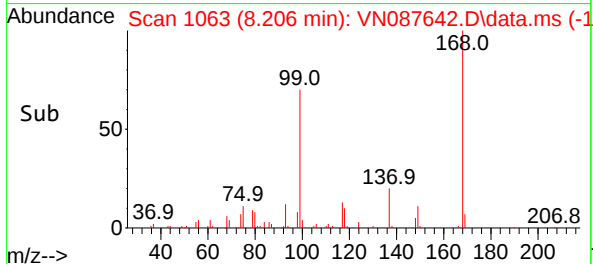
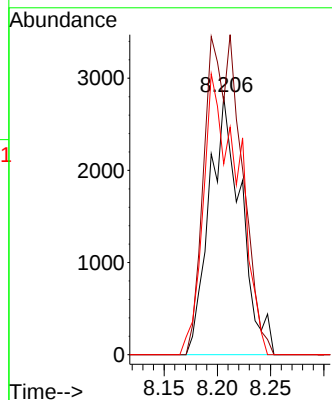
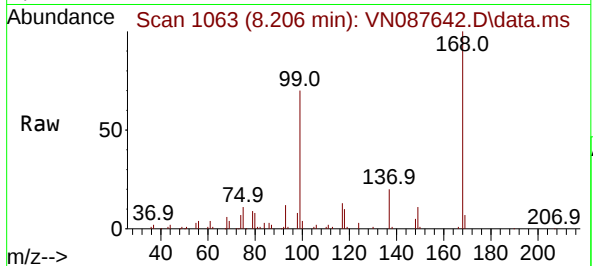




#31
Cyclohexane
Concen: 1.265 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

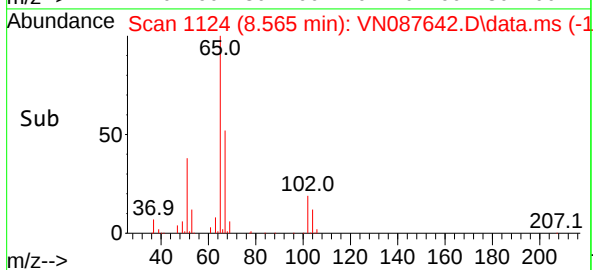
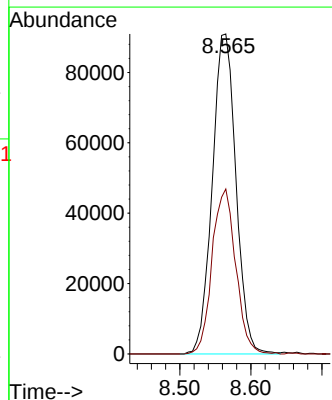
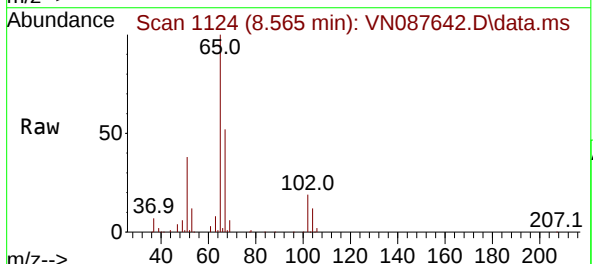
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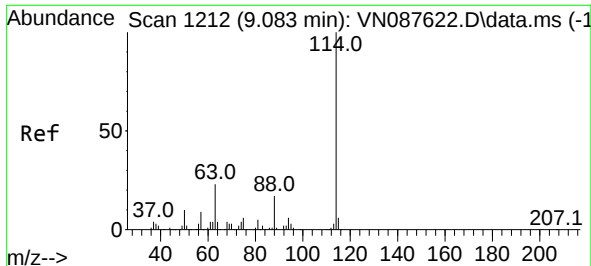
Tgt Ion: 56 Resp: 5832
Ion Ratio Lower Upper
56 100
69 98.1 23.7 35.5#
84 73.9 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 57.392 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

Tgt Ion: 65 Resp: 210412
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087642.D

Acq: 22 Aug 2025 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW-19C-082125

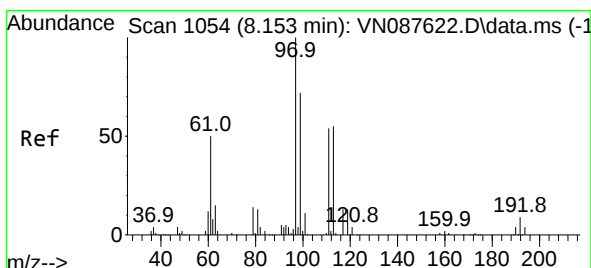
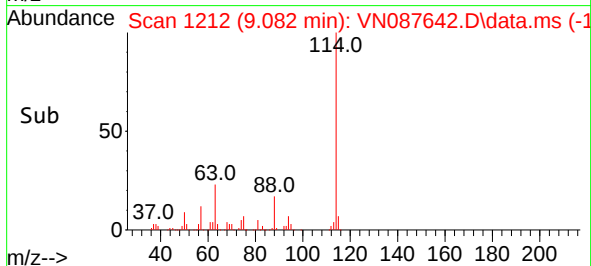
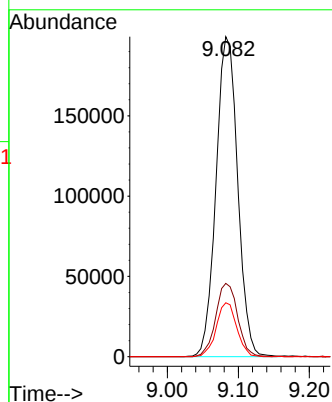
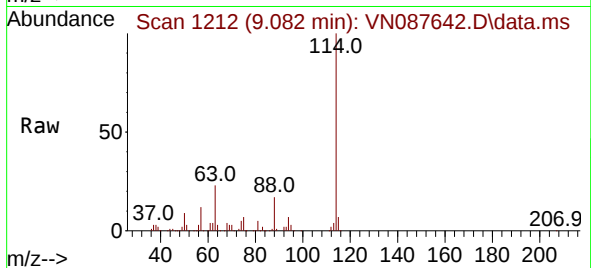
Tgt Ion:114 Resp: 421488

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.2

88 16.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.778 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087642.D

Acq: 22 Aug 2025 15:26

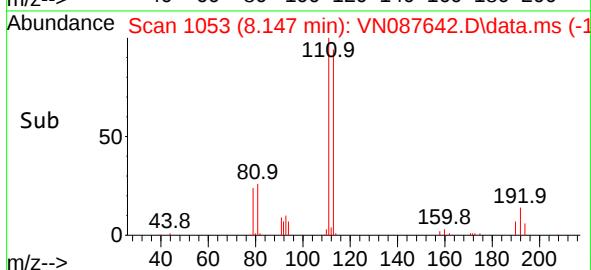
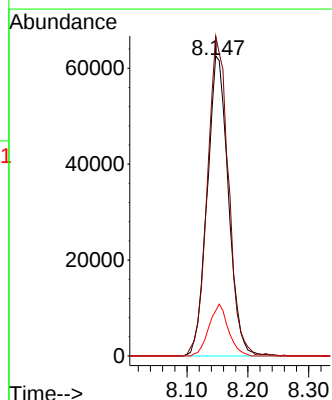
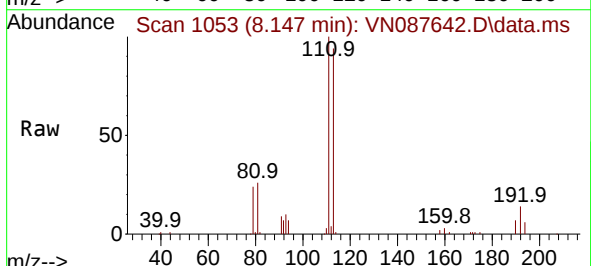
Tgt Ion:113 Resp: 151482

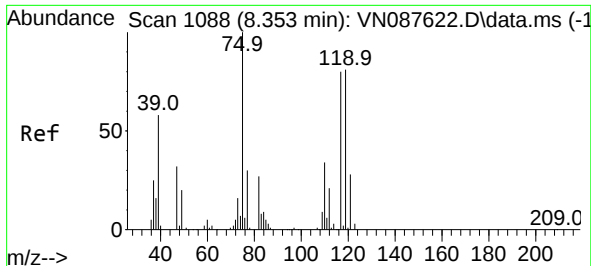
Ion Ratio Lower Upper

113 100

111 105.5 82.8 124.2

192 15.8 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.099 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087642.D

Acq: 22 Aug 2025 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW-19C-082125

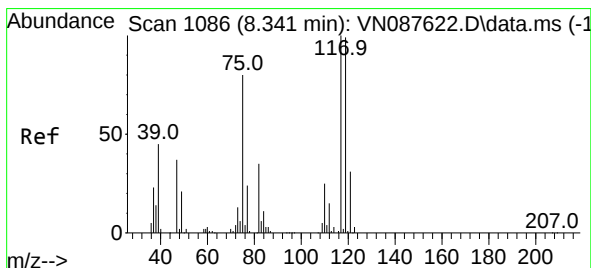
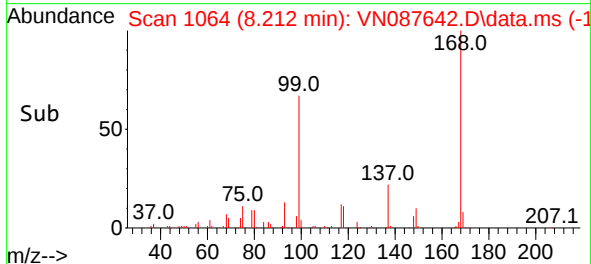
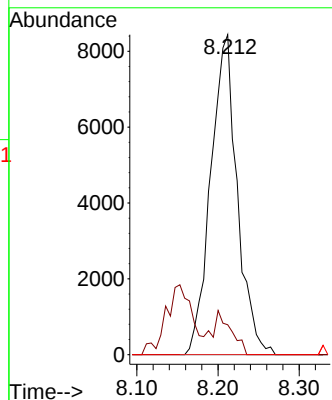
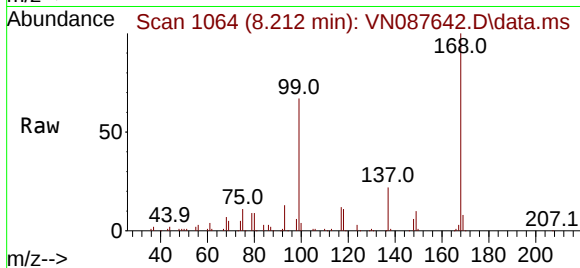
Tgt Ion: 75 Resp: 19135

Ion Ratio Lower Upper

75 100

110 9.7 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.923 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN087642.D

Acq: 22 Aug 2025 15:26

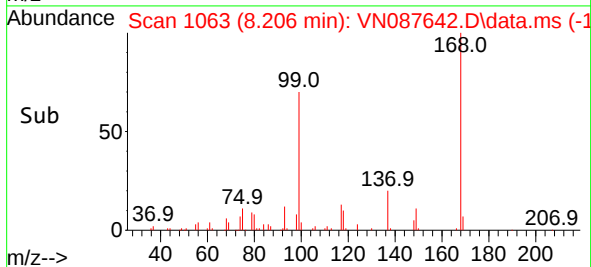
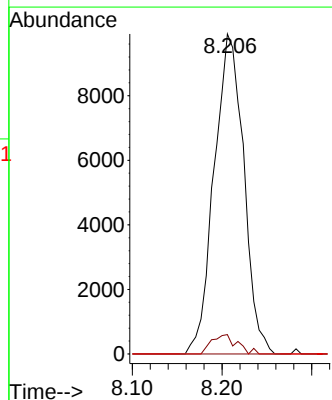
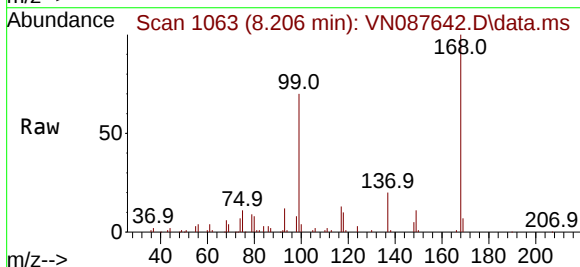
Tgt Ion: 117 Resp: 22691

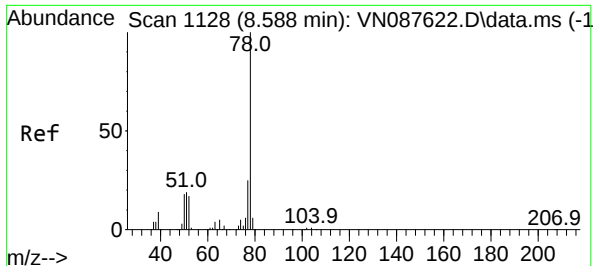
Ion Ratio Lower Upper

117 100

119 6.0 79.0 118.6#

121 0.0 25.0 37.6#

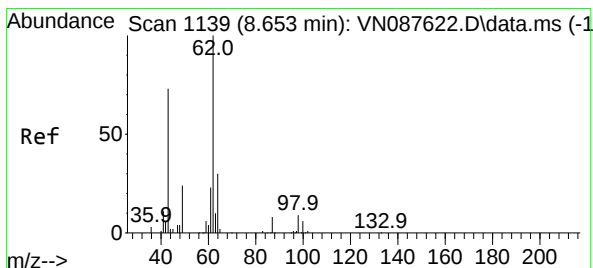
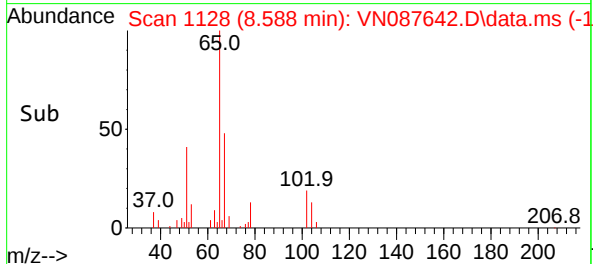
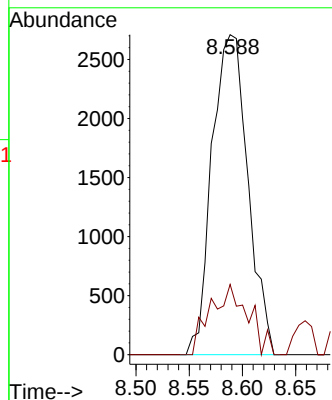
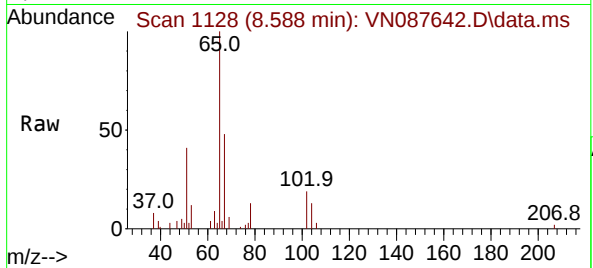




#40
Benzene
Concen: 0.444 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

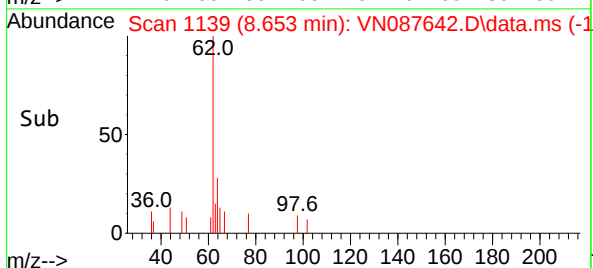
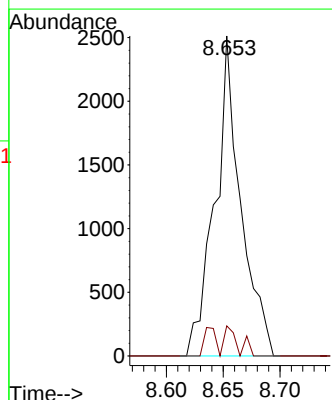
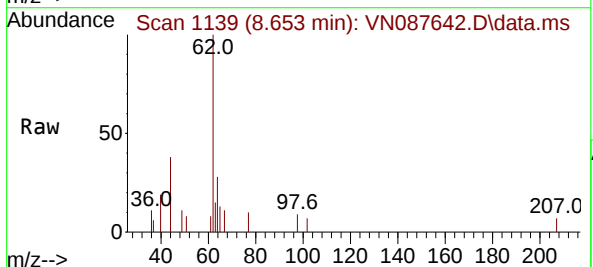
Instrument :
MSVOA_N
ClientSampleId :
MW-19C-082125

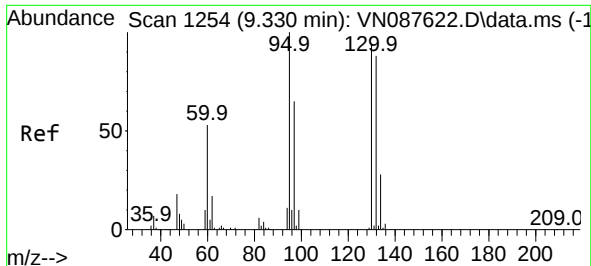
Tgt Ion: 78 Resp: 6354
Ion Ratio Lower Upper
78 100
77 22.0 19.7 29.5



#42
1,2-Dichloroethane
Concen: 0.722 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

Tgt Ion: 62 Resp: 3975
Ion Ratio Lower Upper
62 100
98 5.1 0.0 17.4

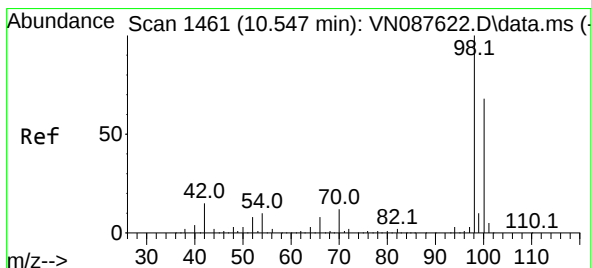
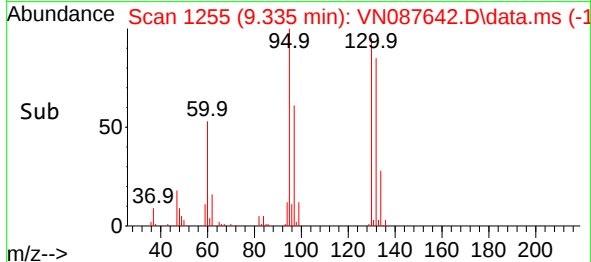
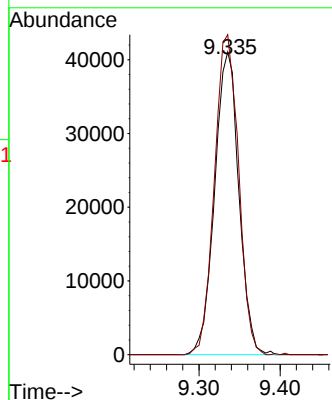
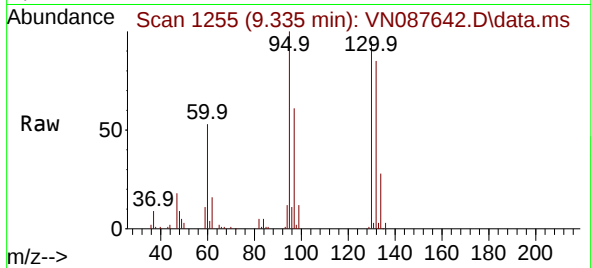




#44
 Trichloroethene
 Concen: 26.015 ug/l
 RT: 9.335 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VN087642.D
 Acq: 22 Aug 2025 15:26

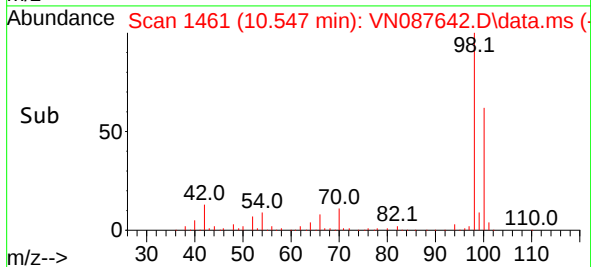
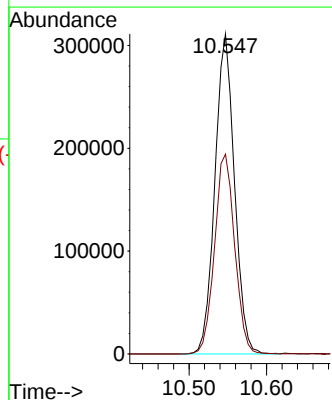
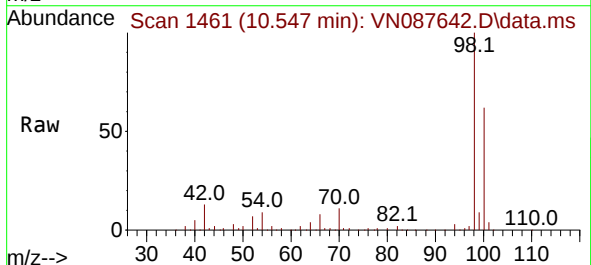
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19C-082125

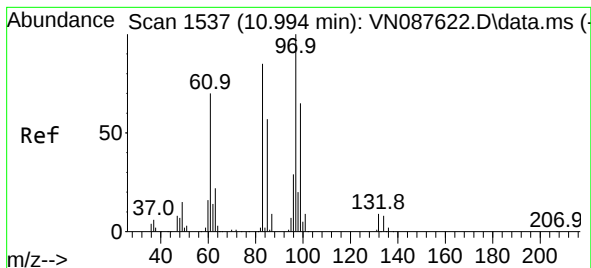
Tgt Ion:130 Resp: 85049
 Ion Ratio Lower Upper
 130 100
 95 105.7 0.0 212.0



#50
 Toluene-d8
 Concen: 47.867 ug/l
 RT: 10.547 min Scan# 1461
 Delta R.T. -0.000 min
 Lab File: VN087642.D
 Acq: 22 Aug 2025 15:26

Tgt Ion: 98 Resp: 545197
 Ion Ratio Lower Upper
 98 100
 100 64.4 52.8 79.2





#55

1,1,2-Trichloroethane

Concen: 0.207 ug/l

RT: 11.088 min Scan# 1553

Delta R.T. 0.094 min

Lab File: VN087642.D

Acq: 22 Aug 2025 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW-19C-082125

Tgt Ion: 97 Resp: 710

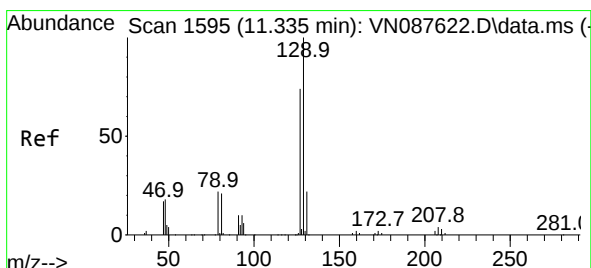
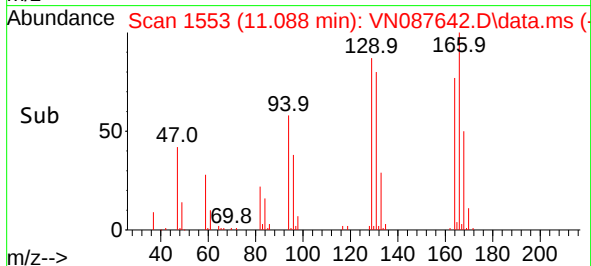
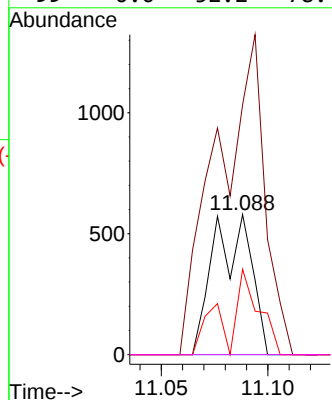
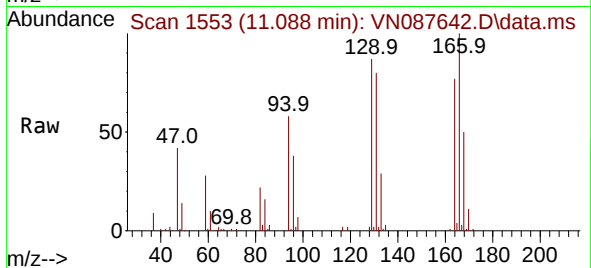
Ion Ratio Lower Upper

97 100

83 178.4 68.2 102.4#

85 61.0 45.5 68.3

99 0.0 52.2 78.4#



#60

Dibromochloromethane

Concen: 15.550 ug/l

RT: 11.088 min Scan# 1553

Delta R.T. -0.247 min

Lab File: VN087642.D

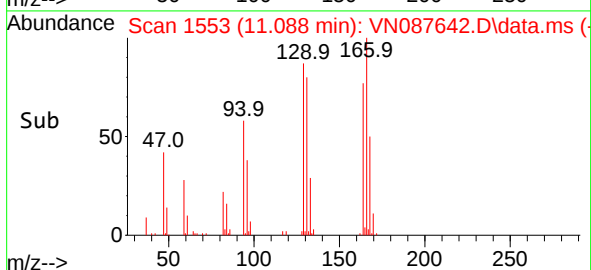
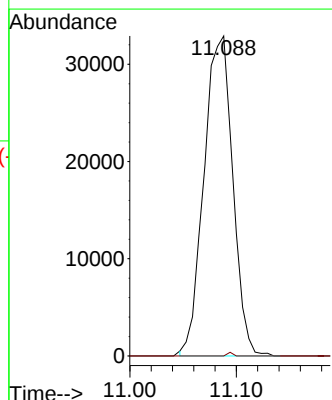
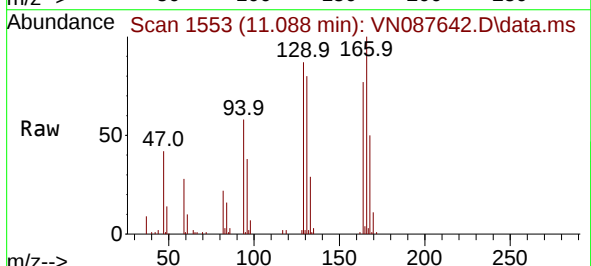
Acq: 22 Aug 2025 15:26

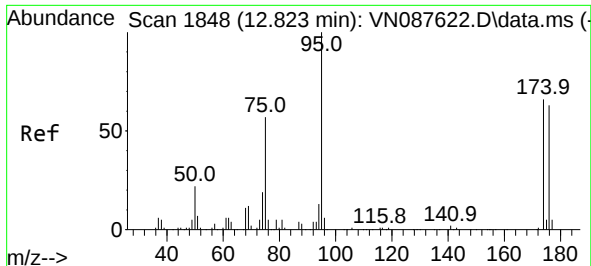
Tgt Ion: 129 Resp: 61875

Ion Ratio Lower Upper

129 100

127 0.2 39.1 117.3#





#62

4-Bromofluorobenzene

Concen: 48.073 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN087642.D

Acq: 22 Aug 2025 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW-19C-082125

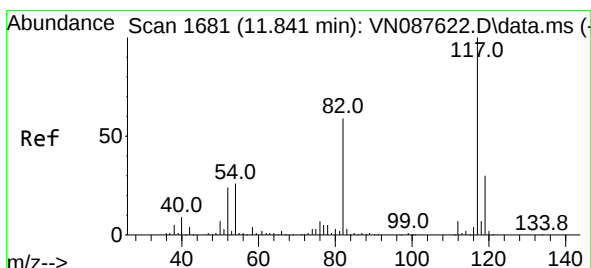
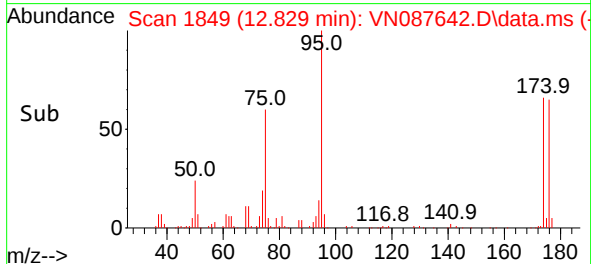
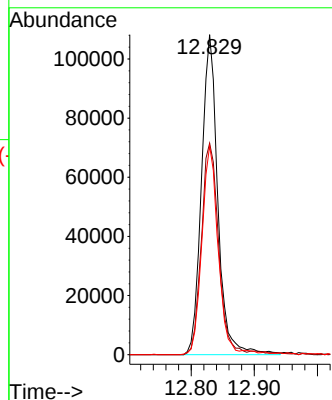
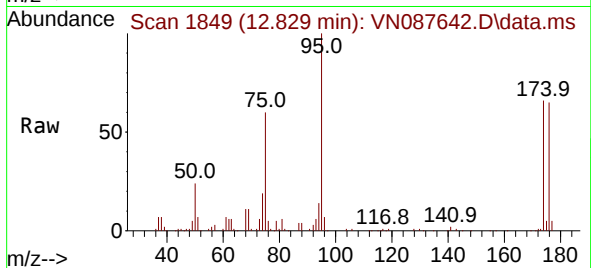
Tgt Ion: 95 Resp: 194723

Ion Ratio Lower Upper

95 100

174 69.4 0.0 138.4

176 64.1 0.0 132.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. 0.006 min

Lab File: VN087642.D

Acq: 22 Aug 2025 15:26

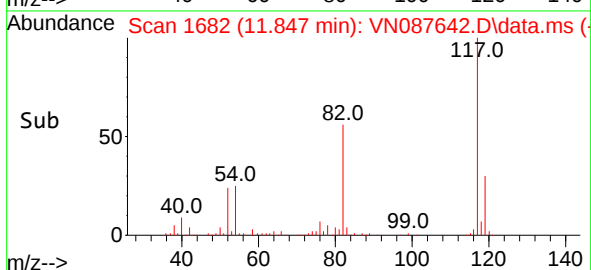
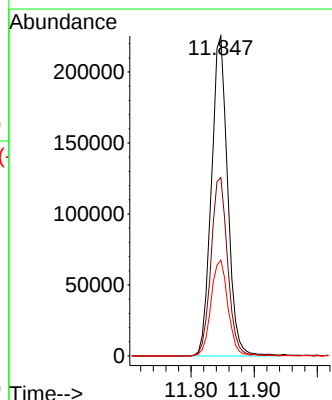
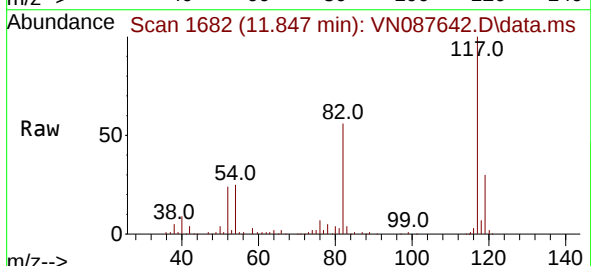
Tgt Ion: 117 Resp: 403205

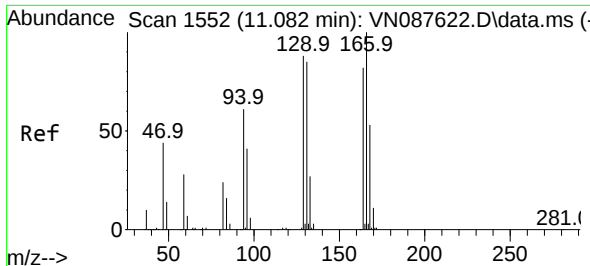
Ion Ratio Lower Upper

117 100

82 55.7 47.4 71.2

119 30.0 24.3 36.5

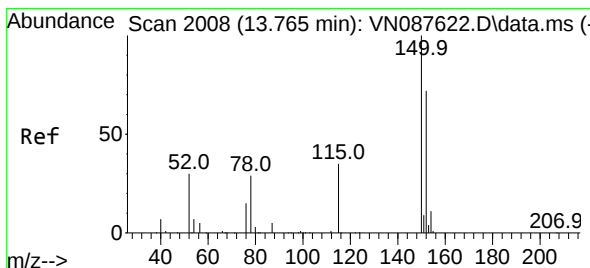
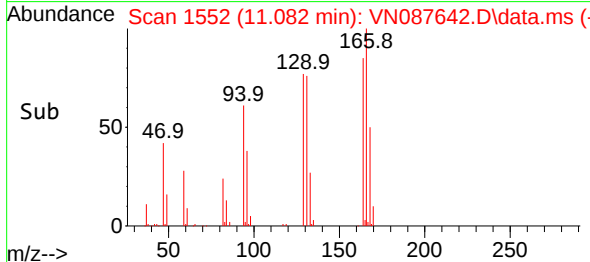
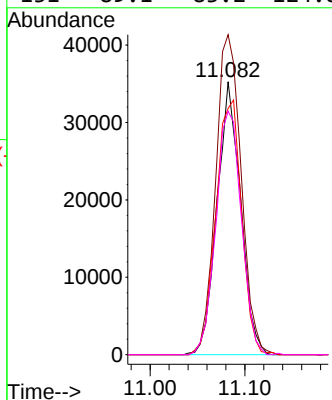
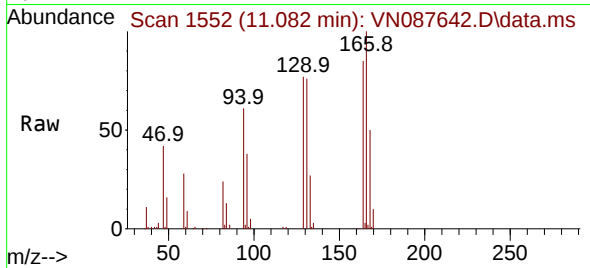




#64
Tetrachloroethene
Concen: 21.847 ug/l
RT: 11.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

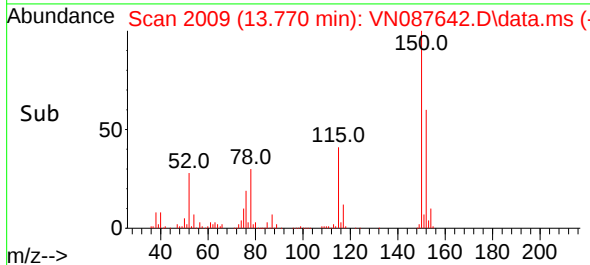
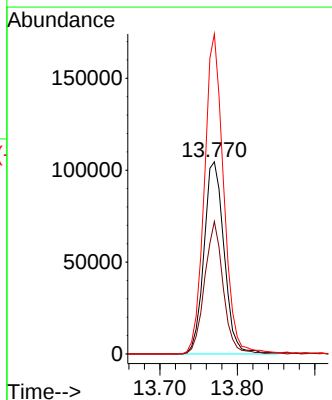
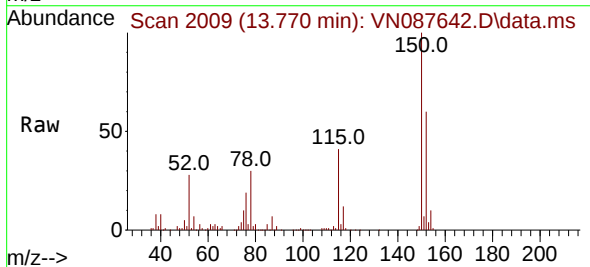
Instrument :
MSVOA_N
ClientSampleId :
MW-19C-082125

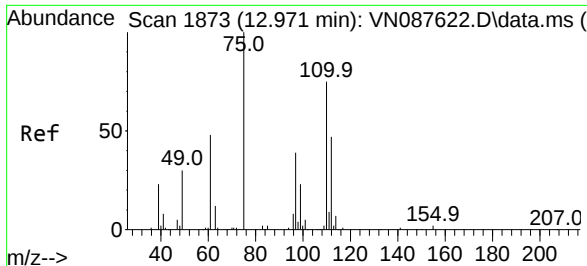
Tgt	Ion:164	Resp:	61116
Ion	Ratio	Lower	Upper
164	100		
166	117.2	97.7	146.5
129	90.2	85.9	128.9
131	89.1	83.2	124.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

Tgt Ion:152	Resp:	189324	
Ion	Ratio	Lower	Upper
152	100		
115	63.3	32.3	96.8
150	159.5	0.0	351.0

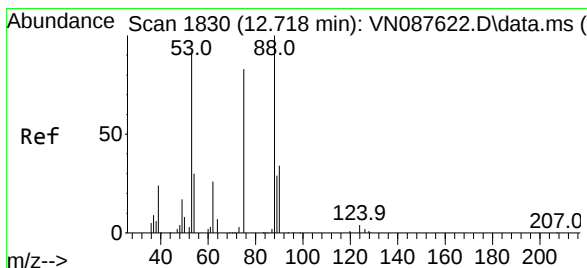
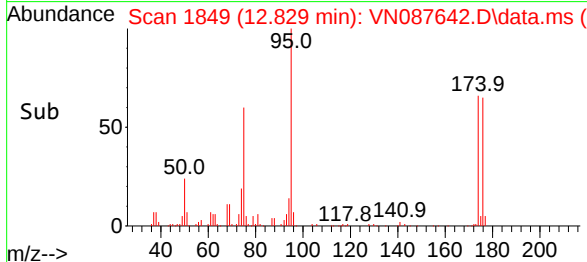
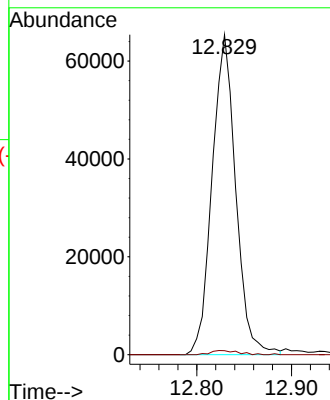
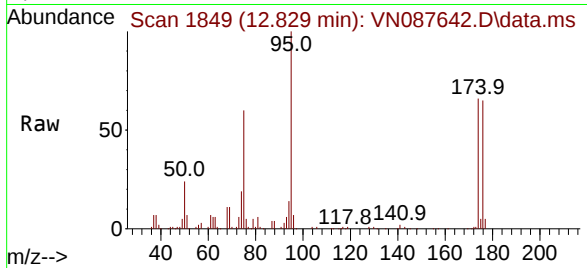




#76
1,2,3-Trichloropropane
Concen: 25.506 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

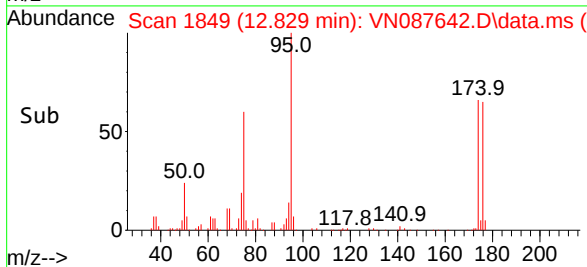
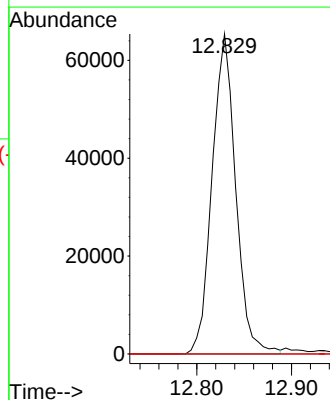
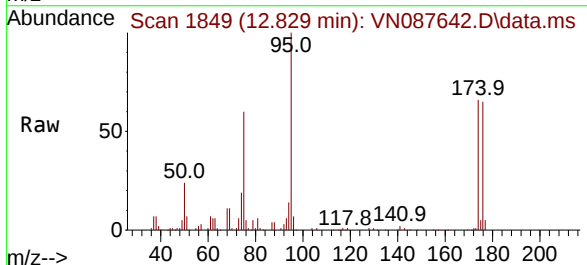
Instrument :
MSVOA_N
ClientSampleId :
MW-19C-082125

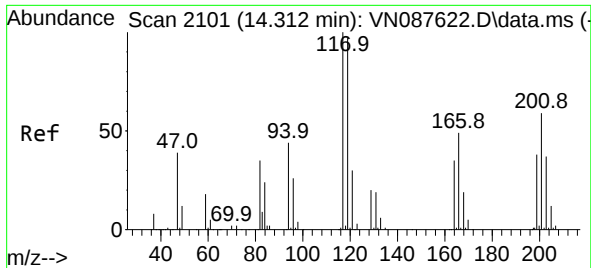
Tgt Ion: 75 Resp: 113238
Ion Ratio Lower Upper
75 100
77 1.5 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.523 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

Tgt Ion: 75 Resp: 113238
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 35.6 53.4#





#90
 Hexachloroethane
 Concen: 1.787 ug/l
 RT: 14.429 min Scan# 21
 Delta R.T. 0.117 min
 Lab File: VN087642.D
 Acq: 22 Aug 2025 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19C-082125

Tgt Ion:117 Resp: 4511
 Ion Ratio Lower Upper
 117 100
 201 0.0 29.1 87.4#

