

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031907.D
 Acq On : 23 Jul 2025 12:58
 Operator : SY/MD
 Sample : Q2675-01
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-07222025

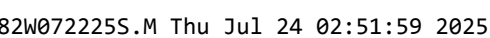
Quant Time: Jul 24 02:51:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

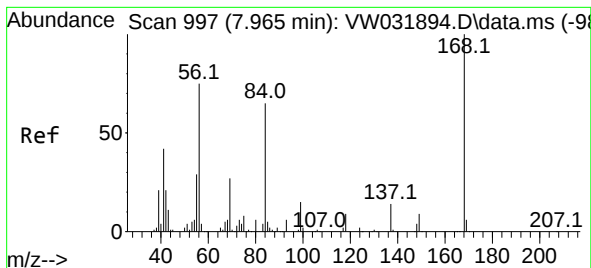
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	43664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	80614	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	69517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	30958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	28456	43.081	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	86.160%		
35) Dibromofluoromethane	7.898	113	24221	44.216	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	88.440%		
50) Toluene-d8	10.330	98	86804	41.870	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	83.740%		
62) 4-Bromofluorobenzene	12.617	95	30873	38.782	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	77.560%		
Target Compounds						Qvalue
13) Acrolein	3.941	56	65	Below Cal	#	14
16) Acetone	4.161	43	966	6.163	ug/l	96
20) Methylene Chloride	4.953	84	2757	Below Cal	#	89
31) Cyclohexane	7.959	56	1089	1.075	ug/l	# 1
36) 1,1-Dichloropropene	7.959	75	4148	4.931	ug/l	# 50
38) Carbon Tetrachloride	7.965	117	5345	6.620	ug/l	# 17
40) Benzene	8.337	78	3030	1.217	ug/l	92
49) 1,4-Dioxane	9.513	88	19	5.122	ug/l	# 1
52) Toluene	10.391	92	1961	1.225	ug/l	76
68) m/p-Xylenes	11.830	106	1173	1.042	ug/l	86
76) 1,2,3-Trichloropropane	12.617	75	16044	37.537	ug/l	# 100
77) Bromobenzene	12.854	156	27554	47.410	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	16044	86.662	ug/l	# 8
95) Naphthalene	15.360	128	22813	14.351	ug/l	# 95

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

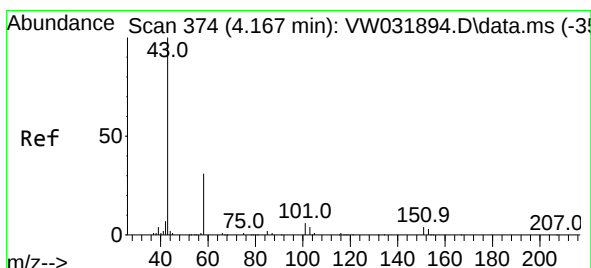
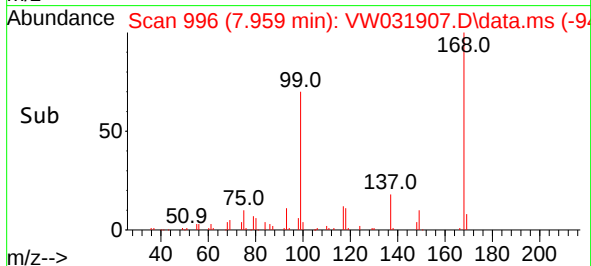
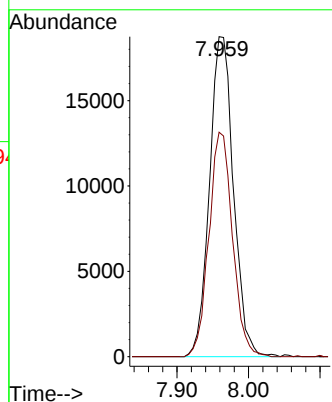
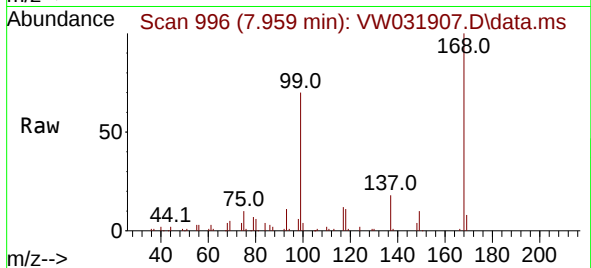




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

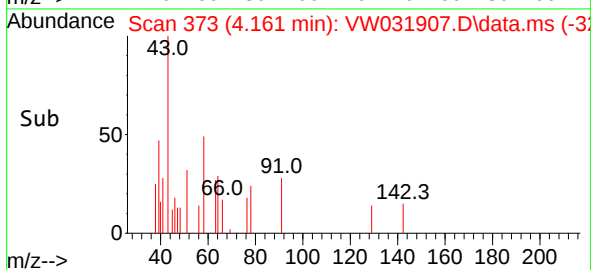
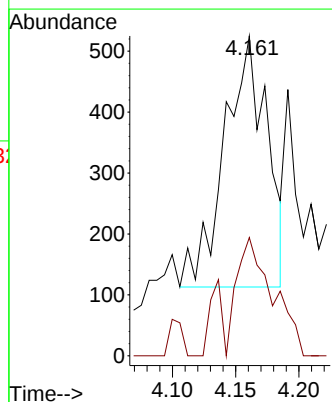
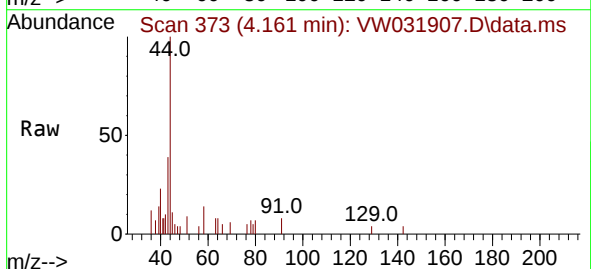
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ClientSampleId :
SU-03-07222025

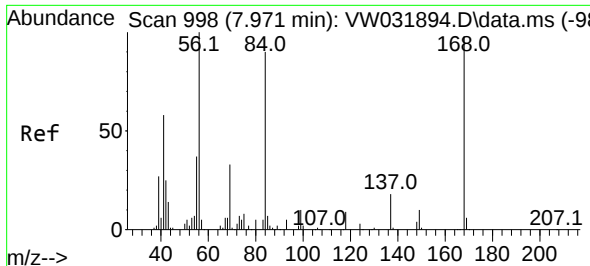
Tgt Ion:168 Resp: 43664
Ion Ratio Lower Upper
168 100
99 70.2 48.2 72.2



#16
Acetone
Concen: 6.163 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

Tgt Ion: 43 Resp: 966
Ion Ratio Lower Upper
43 100
58 34.0 25.5 38.3

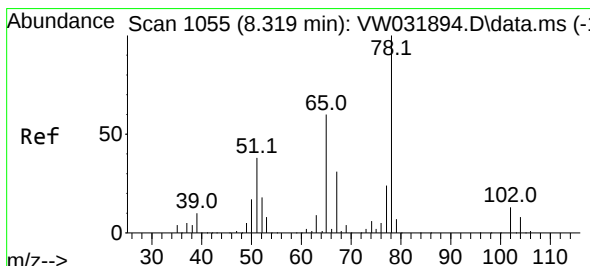
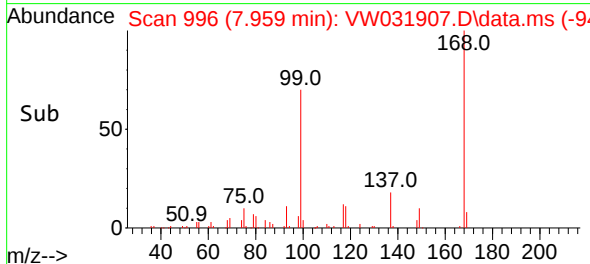
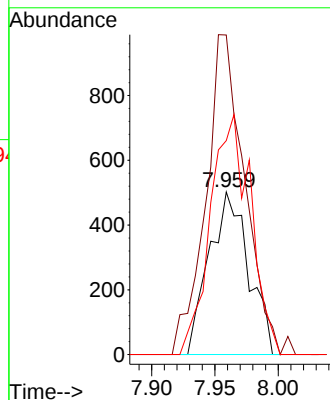
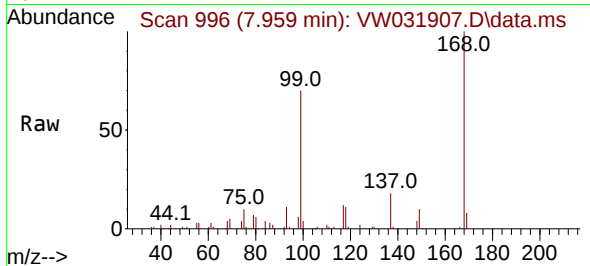




#31
Cyclohexane
Concen: 1.075 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

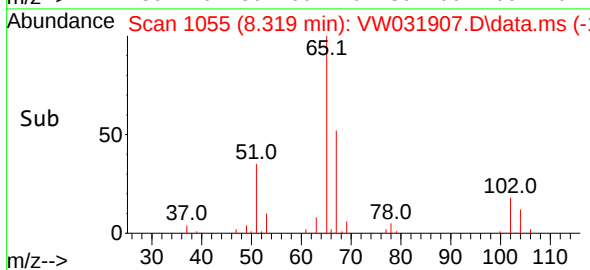
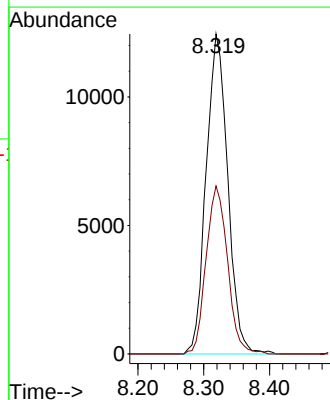
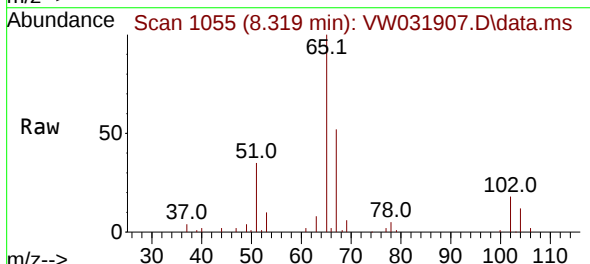
Instrument :
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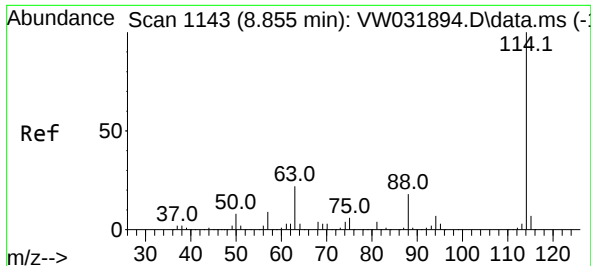
Tgt Ion: 56 Resp: 1089
Ion Ratio Lower Upper
56 100
69 196.6 26.7 40.1#
84 131.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 43.081 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

Tgt Ion: 65 Resp: 28456
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.4

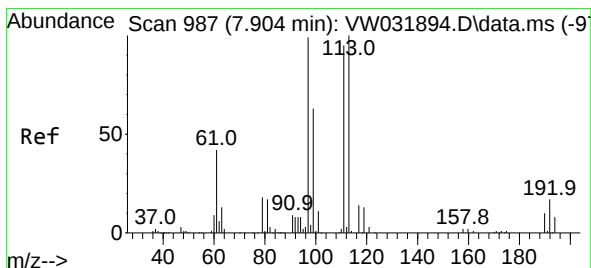
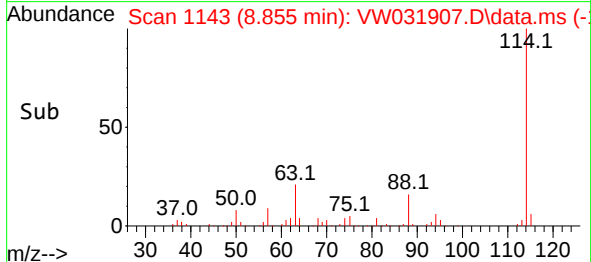
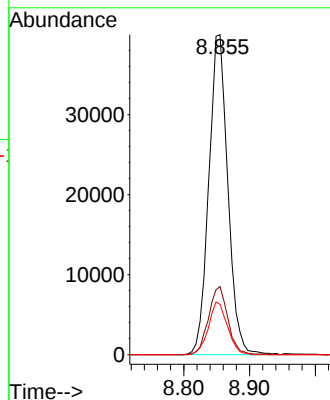
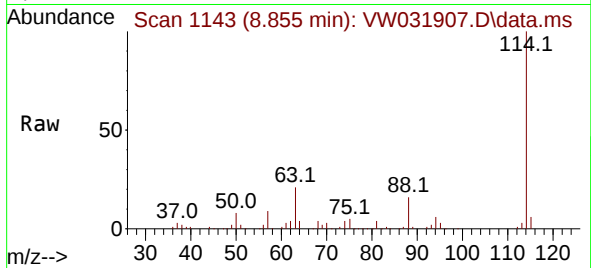




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW031907.D
 Acq: 23 Jul 2025 12:58

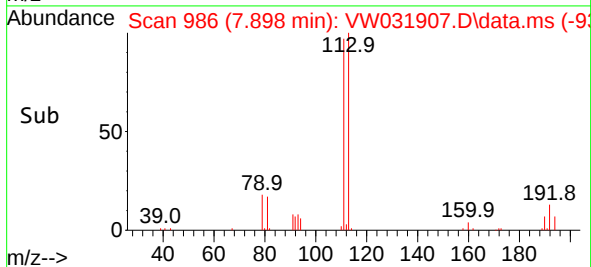
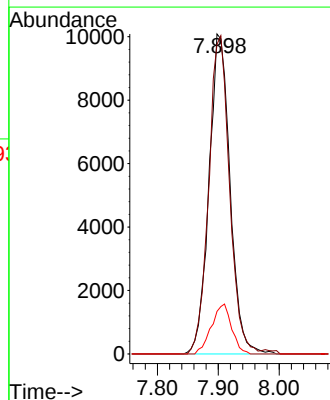
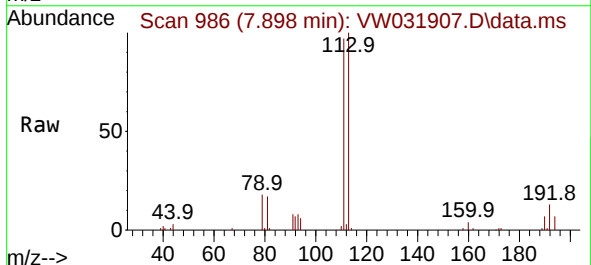
Instrument :
 MSVOA_W
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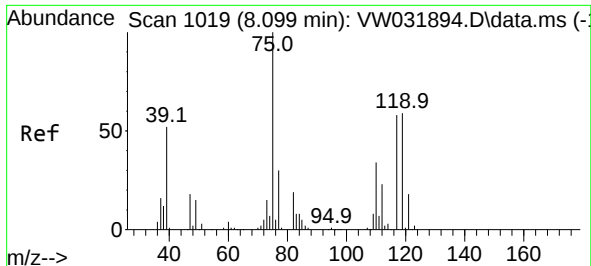
Tgt Ion:	114	Resp:	80614
Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.2
88	15.7	0.0	35.6



#35
 Dibromofluoromethane
 Concen: 44.216 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW031907.D
 Acq: 23 Jul 2025 12:58

Tgt Ion:	113	Resp:	24221
Ion	Ratio	Lower	Upper
113	100		
111	98.4	79.9	119.9
192	14.9	12.6	19.0

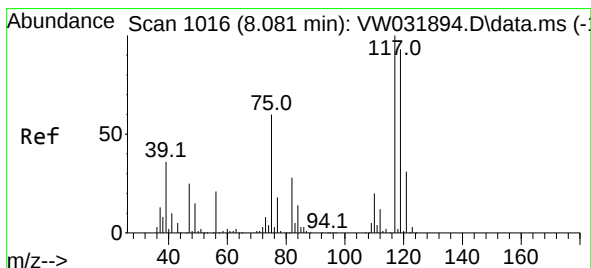
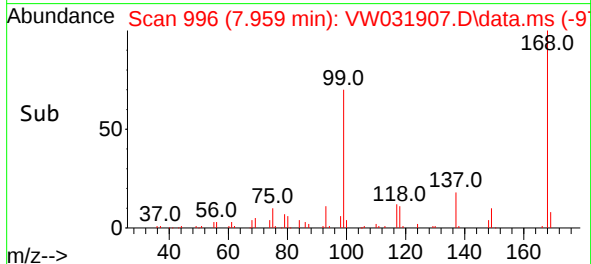
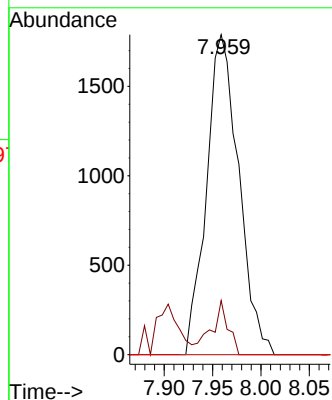
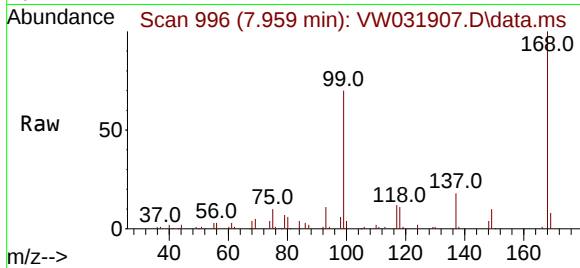




#36
1,1-Dichloropropene
Concen: 4.931 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

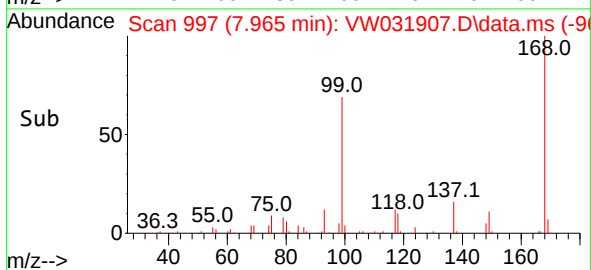
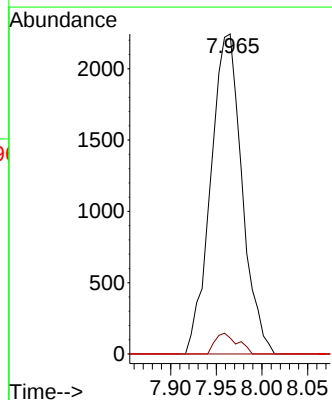
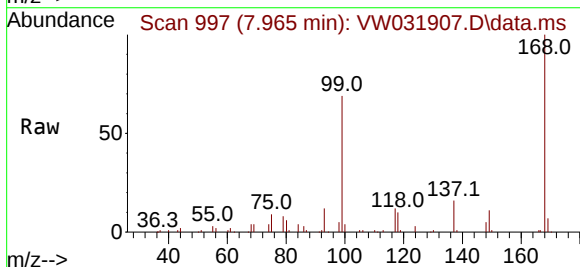
Instrument :
MSVOA_W
ClientSampleId :
SU-03-07222025

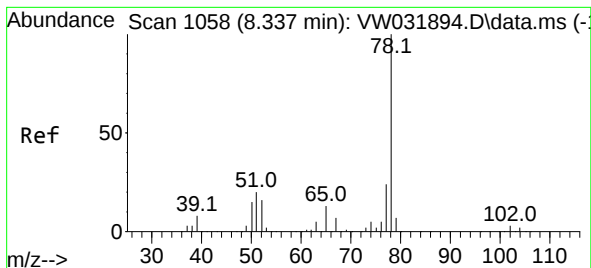
Tgt Ion: 75 Resp: 4148
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.620 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

Tgt Ion: 117 Resp: 5345
Ion Ratio Lower Upper
117 100
119 5.0 74.3 111.5#
121 0.0 24.6 37.0#





#40

Benzene

Concen: 1.217 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW031907.D

Acq: 23 Jul 2025 12:58

Instrument :

MSVOA_W

ClientSampleId :

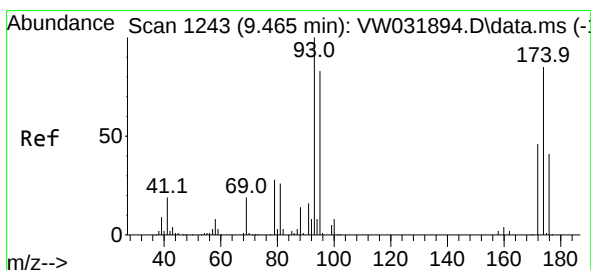
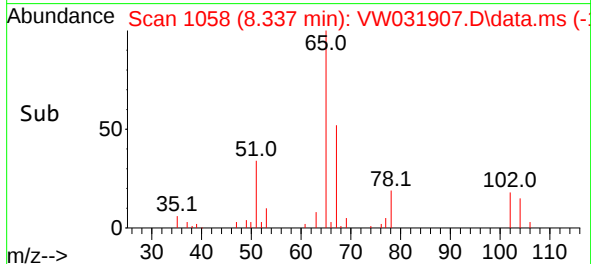
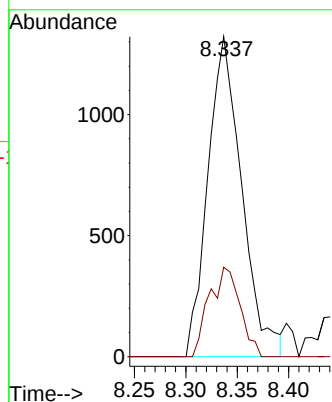
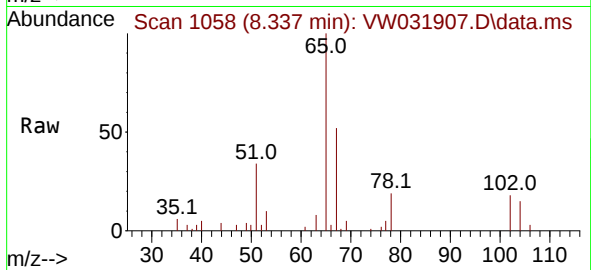
SU-03-07222025

Tgt Ion: 78 Resp: 3030

Ion Ratio Lower Upper

78 100

77 27.9 19.3 28.9



#49

1,4-Dioxane

Concen: 5.122 ug/l

RT: 9.513 min Scan# 1251

Delta R.T. 0.049 min

Lab File: VW031907.D

Acq: 23 Jul 2025 12:58

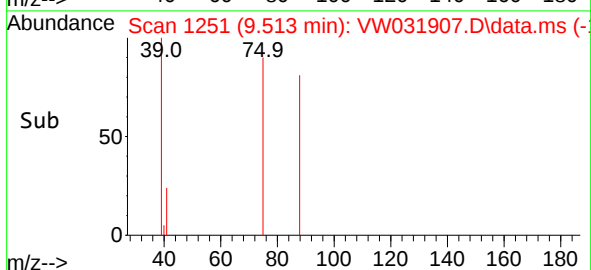
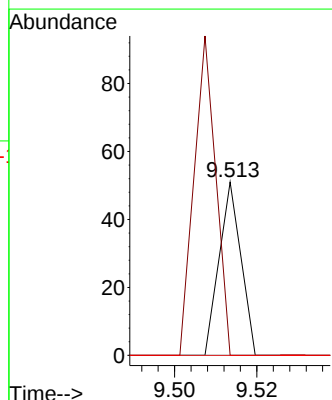
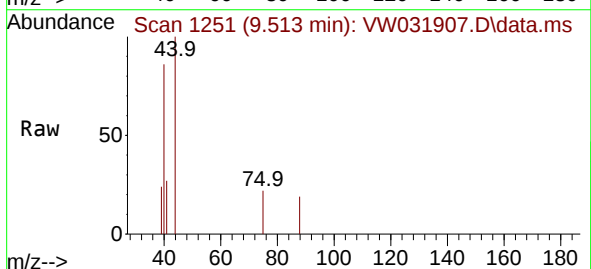
Tgt Ion: 88 Resp: 19

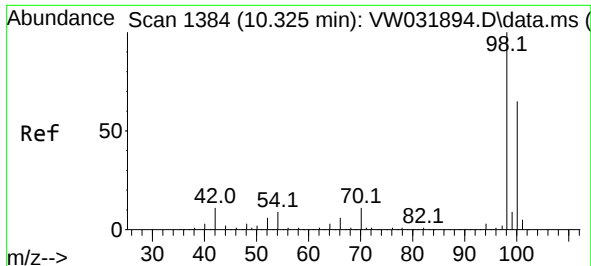
Ion Ratio Lower Upper

88 100

43 178.9 19.0 28.4#

58 0.0 58.2 87.2#

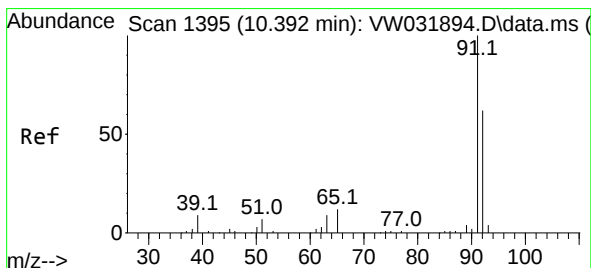
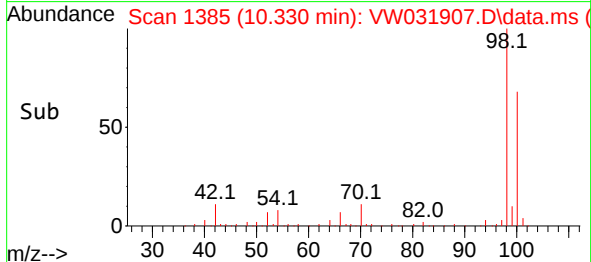
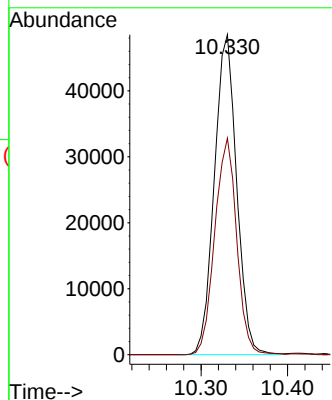
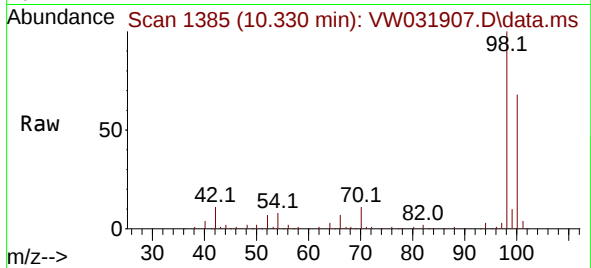




#50
Toluene-d8
Concen: 41.870 ug/l
RT: 10.330 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

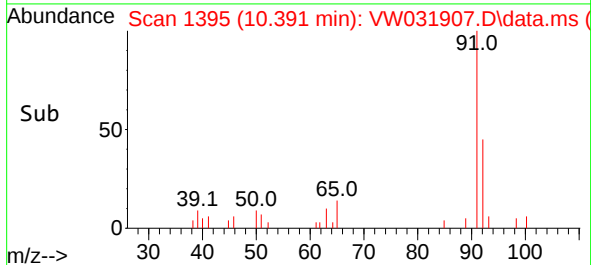
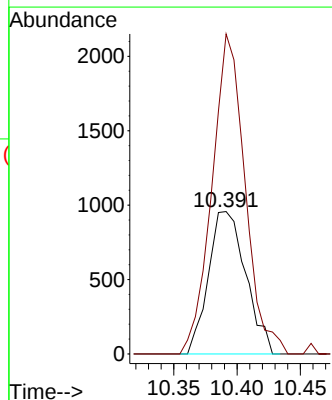
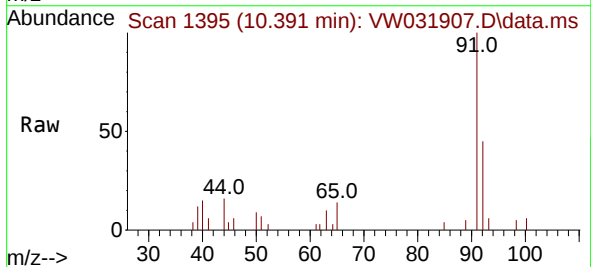
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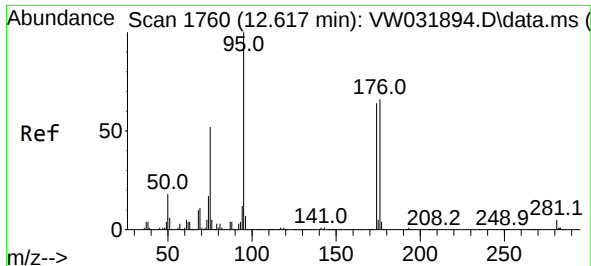
Tgt Ion: 98 Resp: 86804
Ion Ratio Lower Upper
98 100
100 66.5 51.7 77.5



#52
Toluene
Concen: 1.225 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

Tgt Ion: 92 Resp: 1961
Ion Ratio Lower Upper
92 100
91 199.4 133.7 200.5

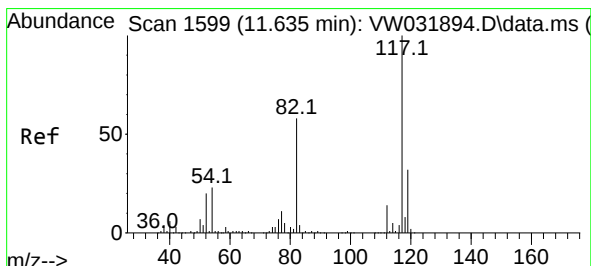
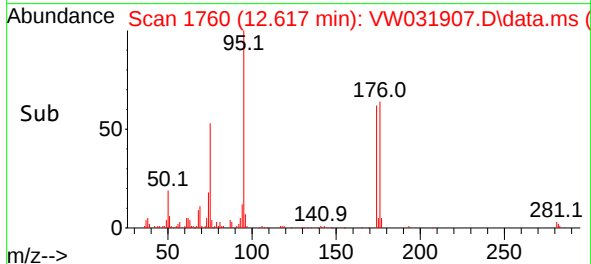
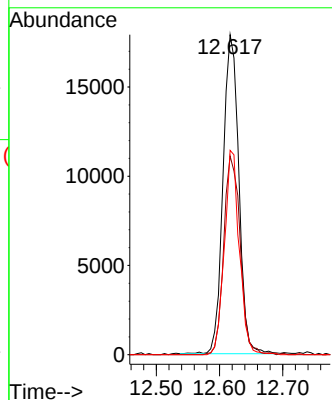
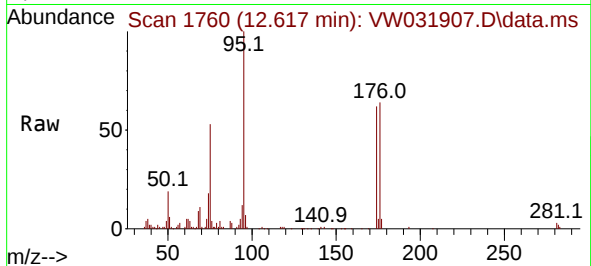




#62
4-Bromofluorobenzene
Concen: 38.782 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

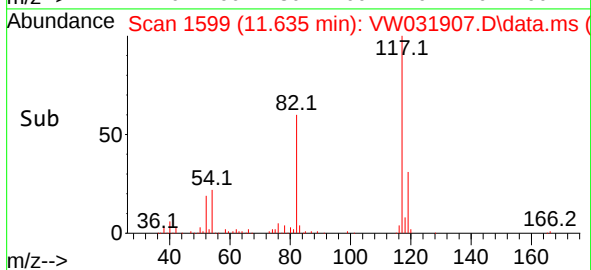
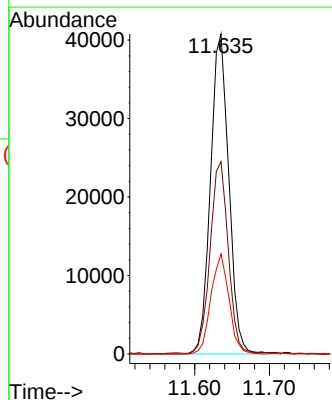
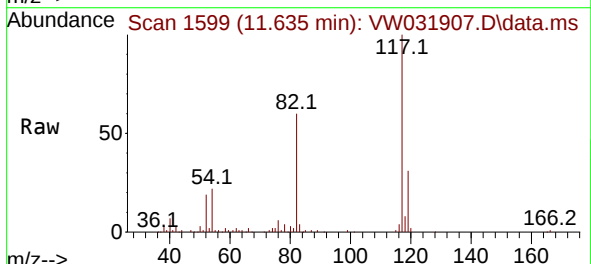
Instrument :
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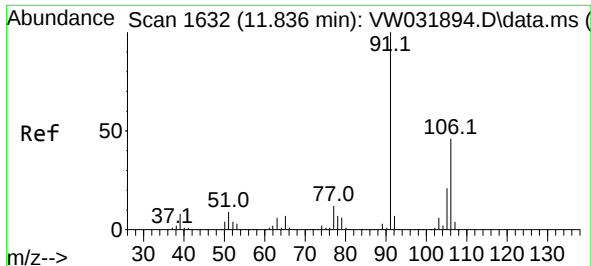
Tgt Ion: 95 Resp: 30873
Ion Ratio Lower Upper
95 100
174 64.9 0.0 129.8
176 60.9 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

Tgt Ion: 117 Resp: 69517
Ion Ratio Lower Upper
117 100
82 59.8 46.5 69.7
119 31.2 25.8 38.6

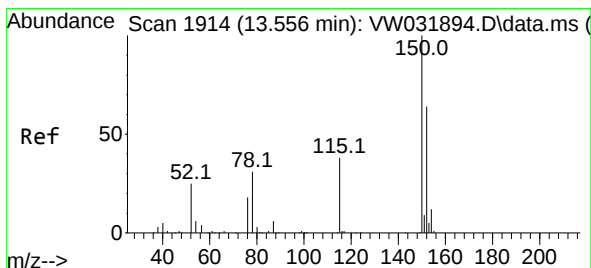
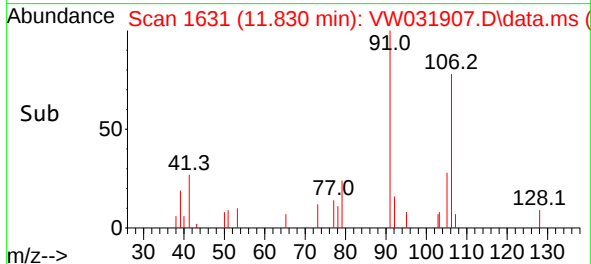
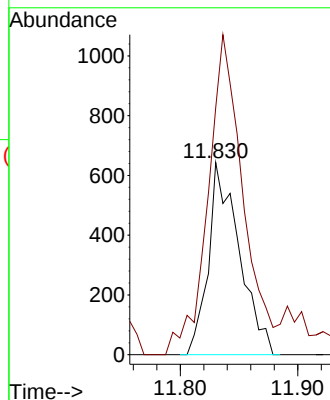
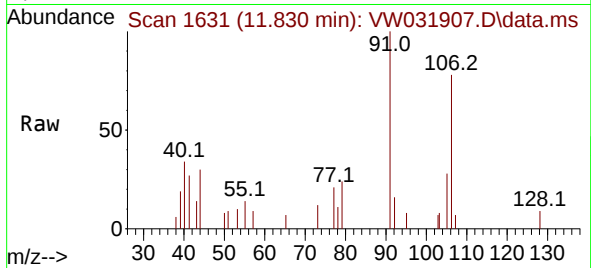




#68
m/p-Xylenes
Concen: 1.042 ug/l
RT: 11.830 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

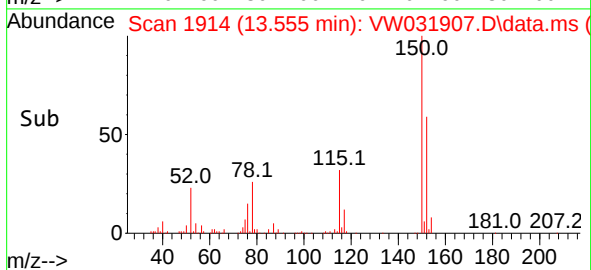
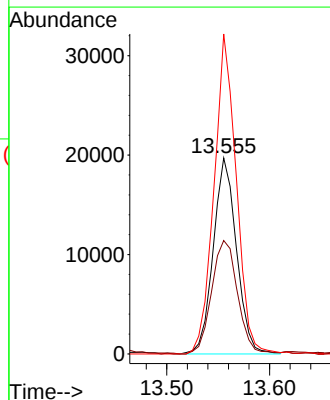
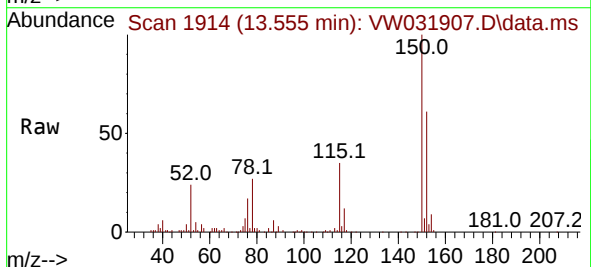
Instrument :
MSVOA_W
ClientSampleId :
SU-03-07222025

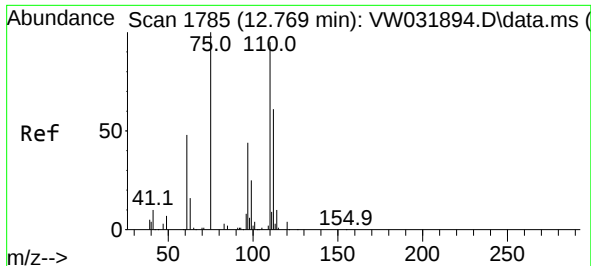
Tgt Ion:106 Resp: 1173
Ion Ratio Lower Upper
106 100
91 188.2 167.7 251.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

Tgt Ion:152 Resp: 30958
Ion Ratio Lower Upper
152 100
115 64.4 33.4 100.1
150 156.5 0.0 352.2

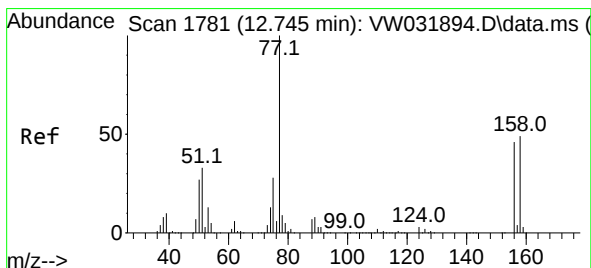
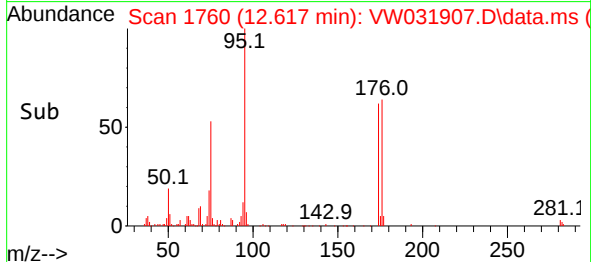
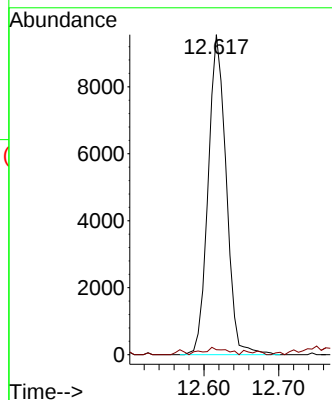
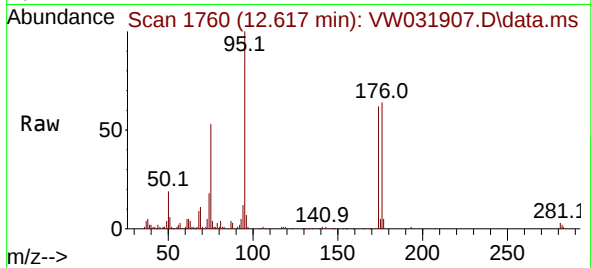




#76
1,2,3-Trichloropropane
Concen: 37.537 ug/l
RT: 12.617 min Scan# 1799
Delta R.T. -0.153 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

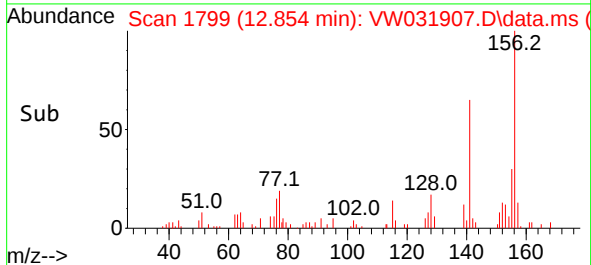
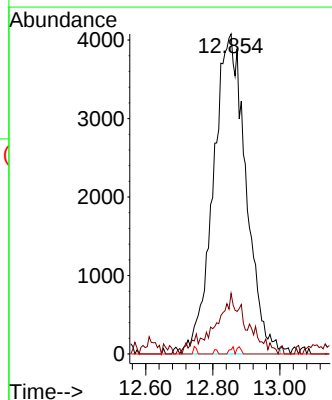
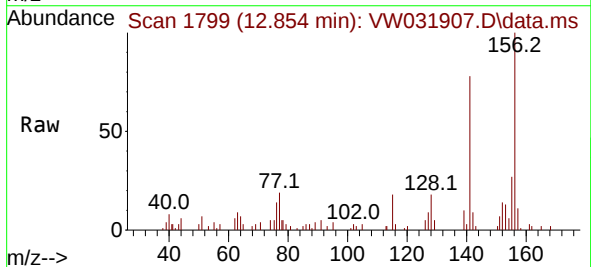
Instrument :
MSVOA_W
ClientSampleId :
SU-03-07222025

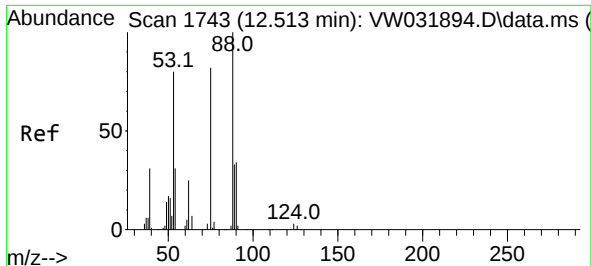
Tgt Ion: 75 Resp: 16044
Ion Ratio Lower Upper
75 100
77 2.8 0.0 0.0#



#77
Bromobenzene
Concen: 47.410 ug/l
RT: 12.854 min Scan# 1799
Delta R.T. 0.109 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

Tgt Ion: 156 Resp: 27554
Ion Ratio Lower Upper
156 100
77 5.9 115.3 345.8#
158 0.3 50.1 150.3#

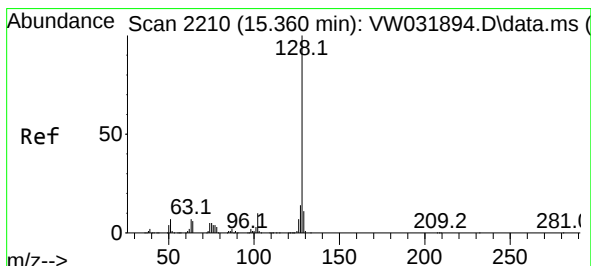
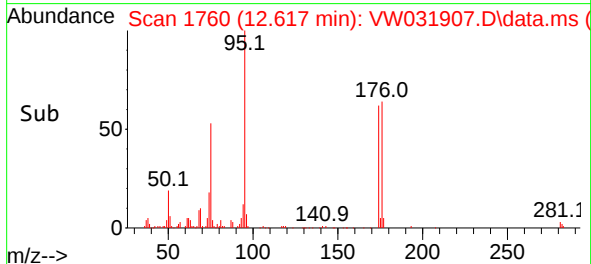
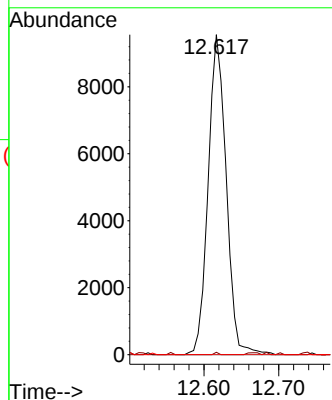
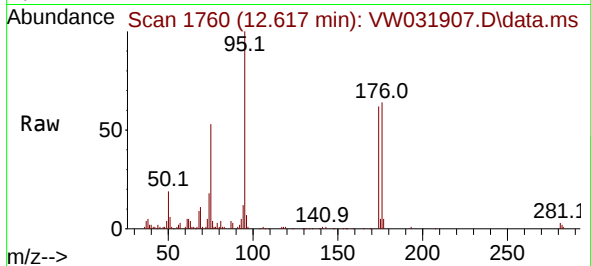




#81
trans-1,4-Dichloro-2-butene
Concen: 86.662 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

Instrument :
MSVOA_W
ClientSampleId :
SU-03-07222025

Tgt Ion: 75 Resp: 16044
Ion Ratio Lower Upper
75 100
53 0.2 83.7 125.5#
89 0.0 39.0 58.6#



#95
Naphthalene
Concen: 14.351 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

Tgt Ion:128 Resp: 22813
Ion Ratio Lower Upper
128 100
127 14.1 10.7 16.1
129 14.5 9.2 13.8#

