

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032114.D
 Acq On : 22 Aug 2025 16:29
 Operator : SY/MD
 Sample : Q2933-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 25-SEPTIC

Quant Time: Aug 25 03:58:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

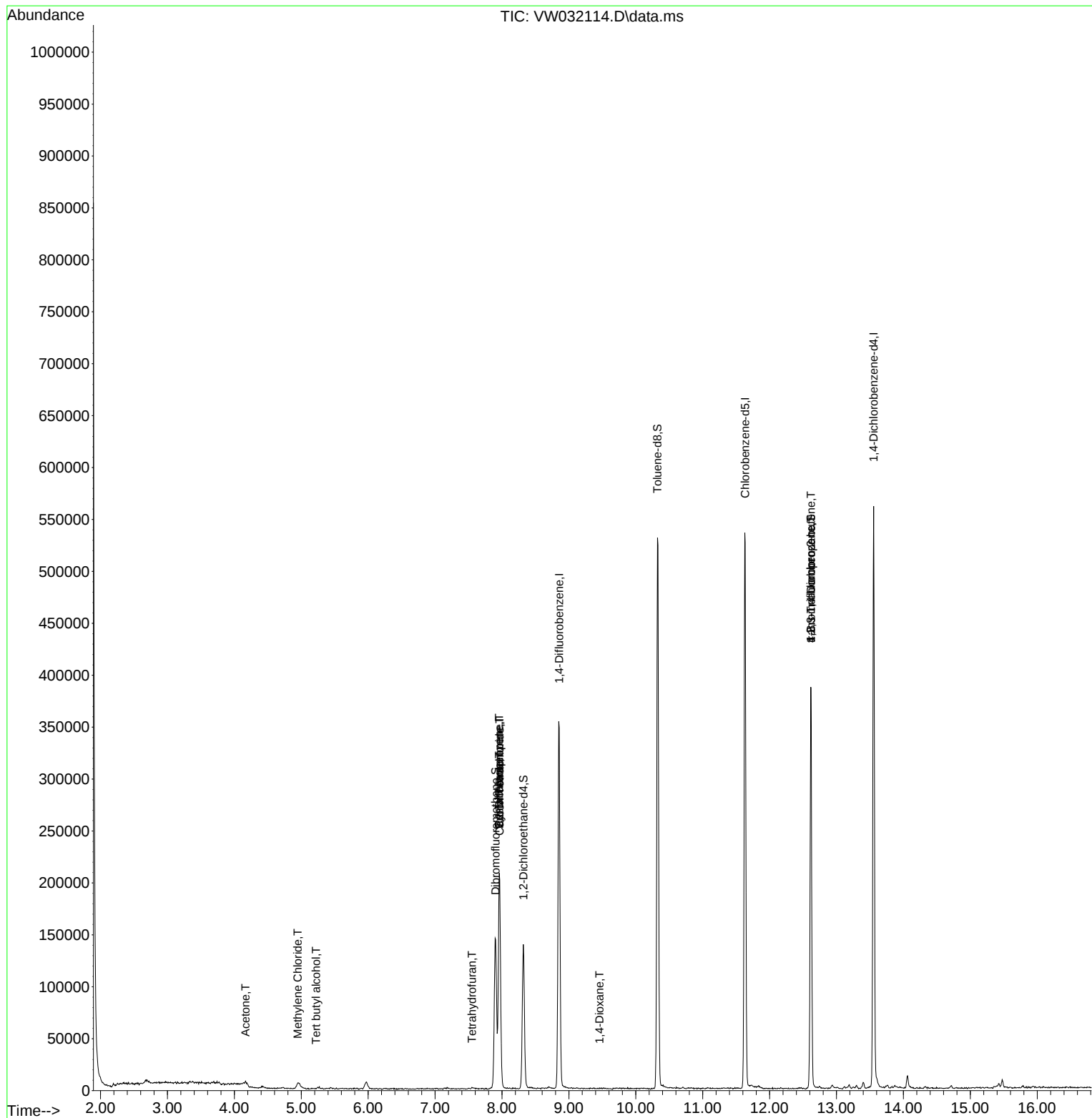
Internal Standards						
1) Pentafluorobenzene	7.959	168	143194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	299240	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	289923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	141778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	114308	55.195	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 110.380%			
35) Dibromofluoromethane	7.904	113	104717	54.167	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 108.340%			
50) Toluene-d8	10.325	98	353265	49.405	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 98.820%			
62) 4-Bromofluorobenzene	12.617	95	123014	46.685	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 93.360%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.222	59	188	1.402	ug/l	96
16) Acetone	4.167	43	4795	10.000	ug/l	89
20) Methylene Chloride	4.948	84	5600	2.526	ug/l	86
29) Tetrahydrofuran	7.551	42	796	1.771	ug/l #	81
31) Cyclohexane	7.959	56	4109	1.392	ug/l #	40
36) 1,1-Dichloropropene	7.959	75	13419	4.924	ug/l #	50
38) Carbon Tetrachloride	7.965	117	16577	6.303	ug/l #	20
49) 1,4-Dioxane	9.459	88	72	4.216	ug/l #	14
76) 1,2,3-Trichloropropane	12.617	75	67622	35.142	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	67622	90.979	ug/l #	9

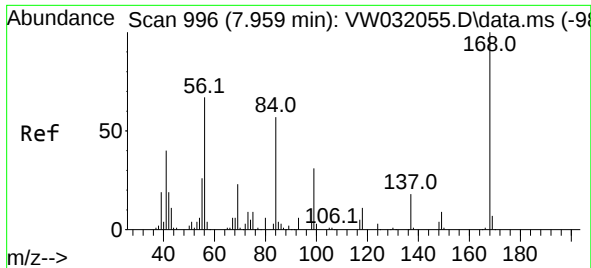
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

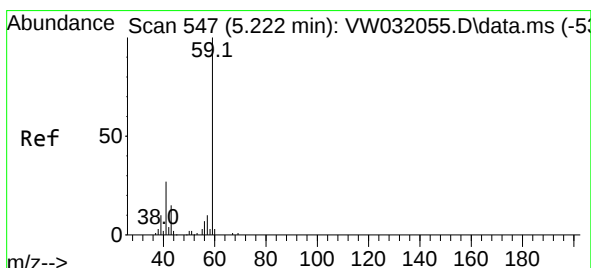
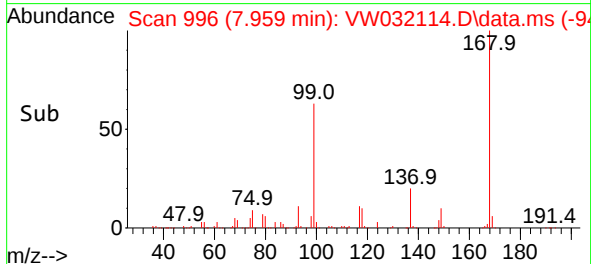
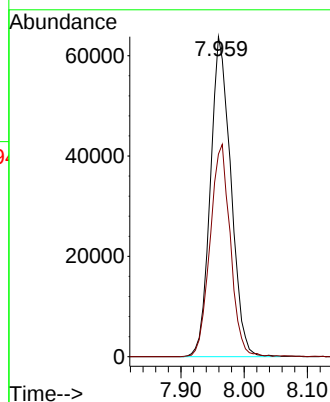
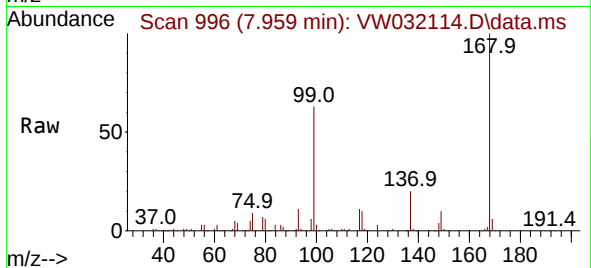




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032114.D
Acq: 22 Aug 2025 16:29

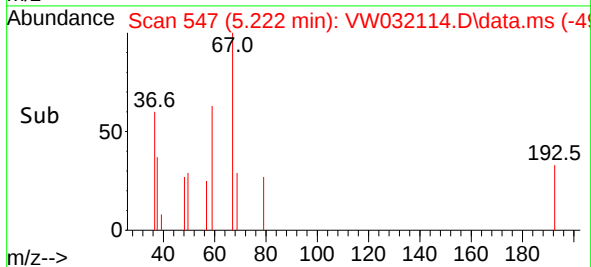
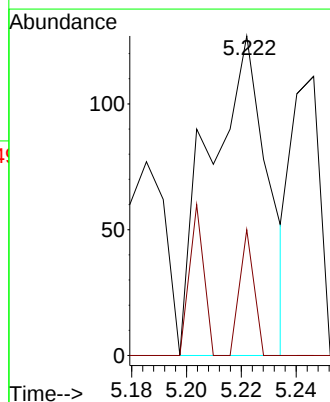
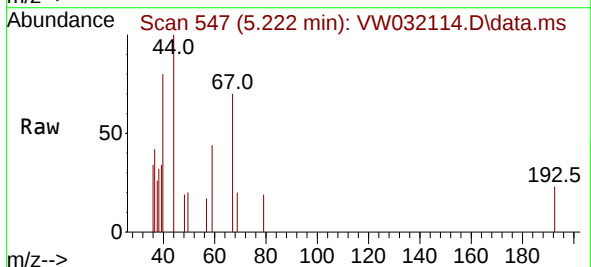
Instrument :
MSVOA_W
ClientSampleId :
25-SEPTIC

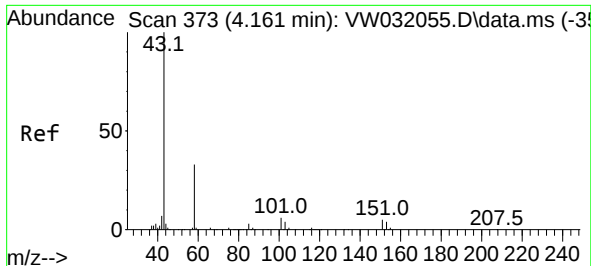
Tgt Ion:168 Resp: 143194
Ion Ratio Lower Upper
168 100
99 63.3 56.0 84.0



#11
Tert butyl alcohol
Concen: 1.402 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.000 min
Lab File: VW032114.D
Acq: 22 Aug 2025 16:29

Tgt Ion: 59 Resp: 188
Ion Ratio Lower Upper
59 100
57 9.6 8.7 13.1

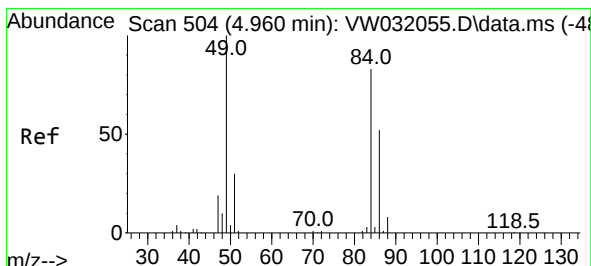
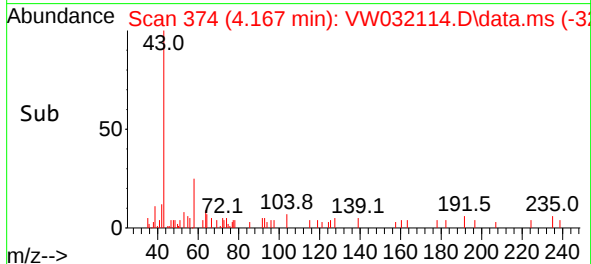
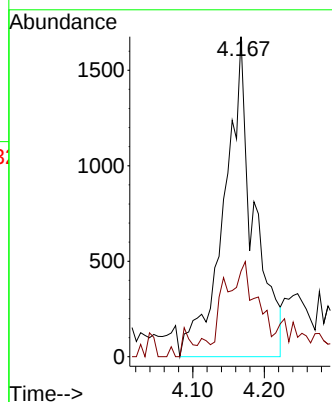
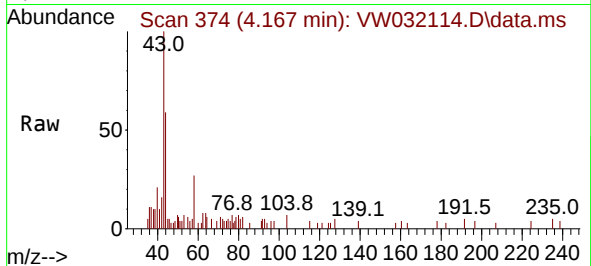




#16
Acetone
Concen: 10.000 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032114.D
Acq: 22 Aug 2025 16:29

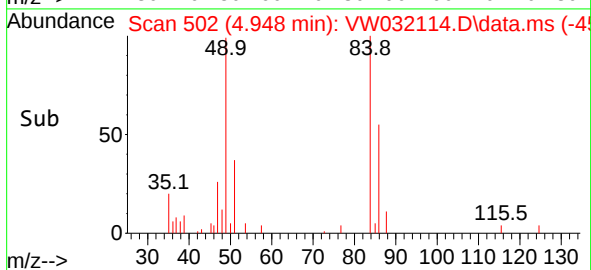
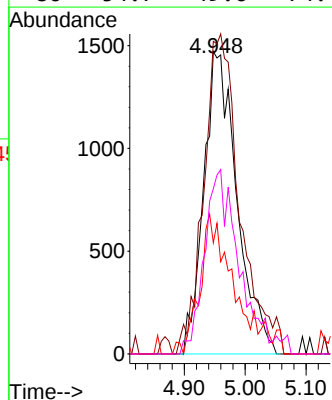
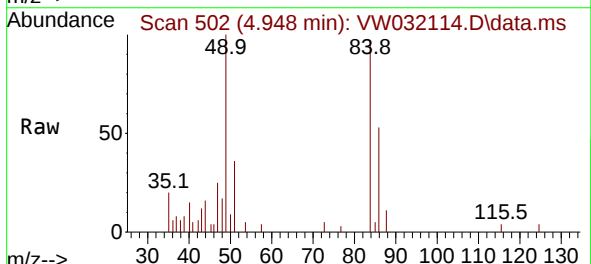
Instrument :
MSVOA_W
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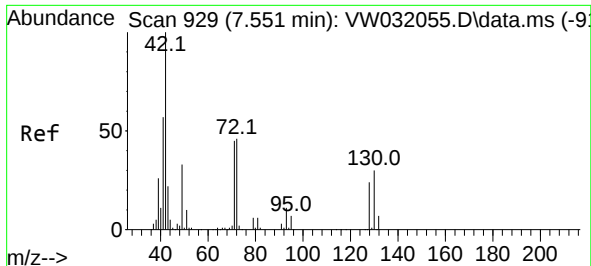
Tgt Ion: 43 Resp: 4795
Ion Ratio Lower Upper
43 100
58 26.7 26.6 39.8



#20
Methylene Chloride
Concen: 2.526 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032114.D
Acq: 22 Aug 2025 16:29

Tgt Ion: 84 Resp: 5600
Ion Ratio Lower Upper
84 100
49 98.4 95.9 143.9
51 33.2 28.6 43.0
86 54.7 49.6 74.4





#29

Tetrahydrofuran

Concen: 1.771 ug/l

RT: 7.551 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW032114.D

Acq: 22 Aug 2025 16:29

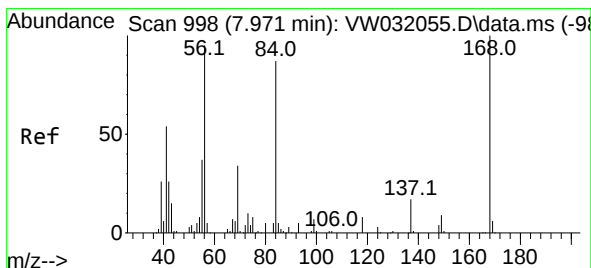
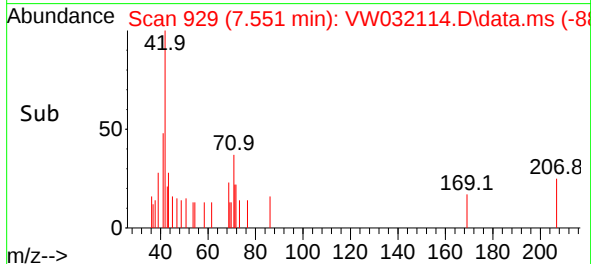
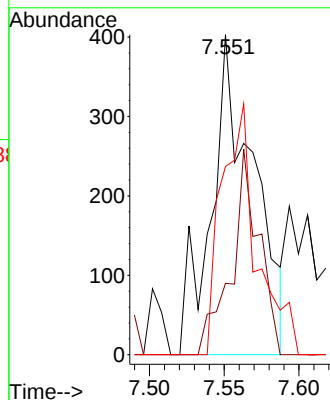
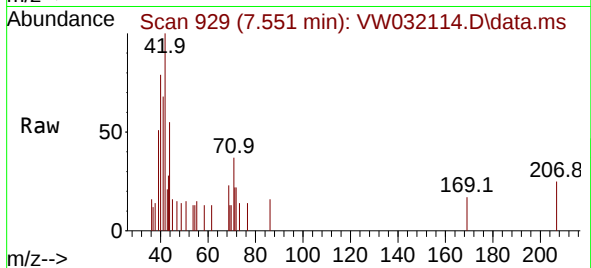
Instrument :

MSVOA_W

ClientSampleId :

25-SEPTIC

Tgt Ion:	42	Resp:	796
Ion	Ratio	Lower	Upper
42	100		
72	41.7	36.6	55.0
71	64.6	34.7	52.1



#31

Cyclohexane

Concen: 1.392 ug/l

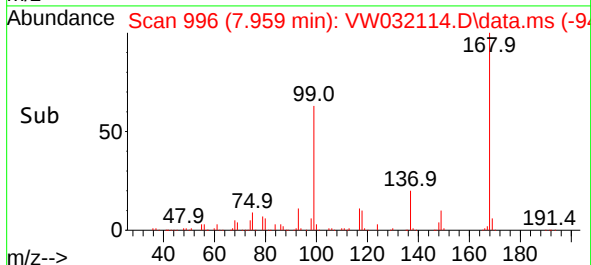
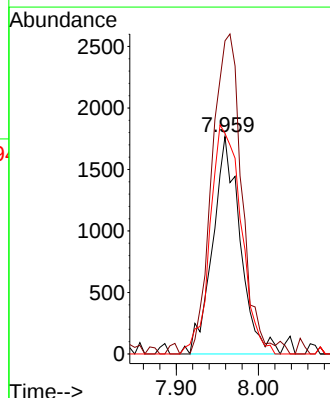
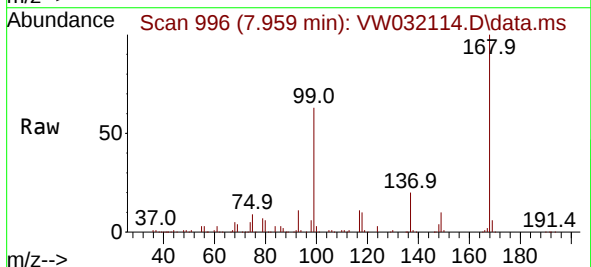
RT: 7.959 min Scan# 996

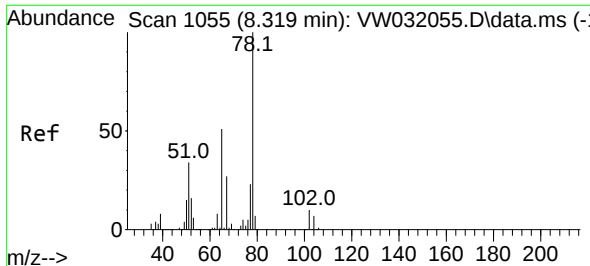
Delta R.T. -0.012 min

Lab File: VW032114.D

Acq: 22 Aug 2025 16:29

Tgt Ion:	56	Resp:	4109
Ion	Ratio	Lower	Upper
56	100		
69	144.0	28.6	42.8
84	101.4	73.0	109.4

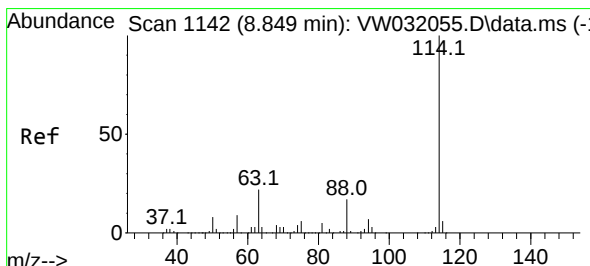
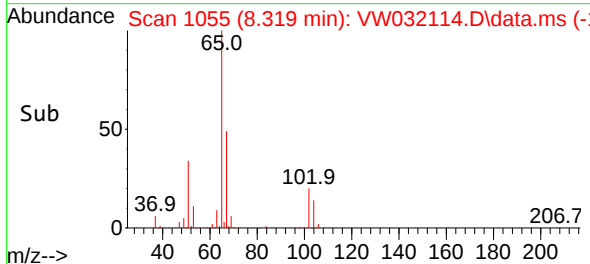
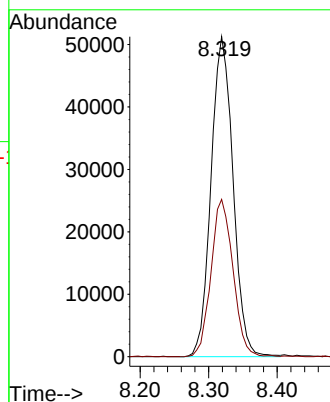
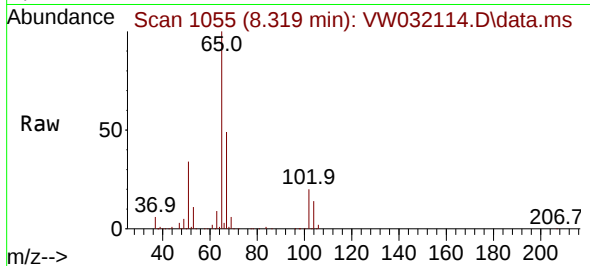




#33
 1,2-Dichloroethane-d4
 Concen: 55.195 ug/l
 RT: 8.319 min Scan# 1105
 Delta R.T. 0.000 min
 Lab File: VW032114.D
 Acq: 22 Aug 2025 16:29

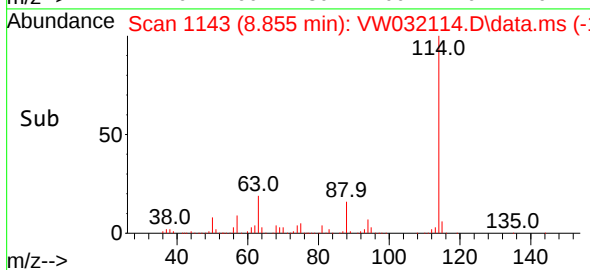
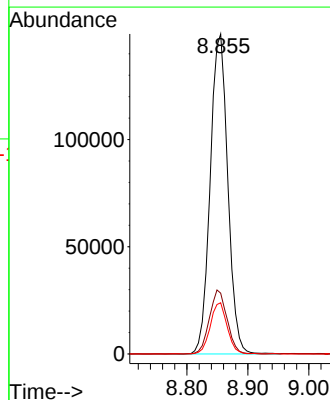
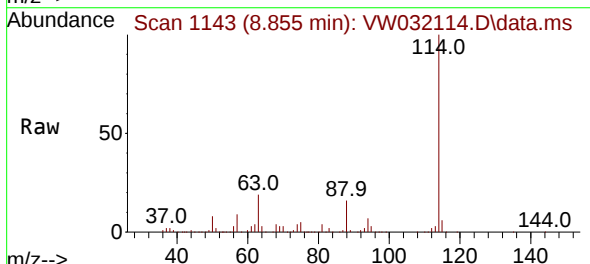
Instrument :
 MSVOA_W
 ClientSampleId :
 25-SEPTIC

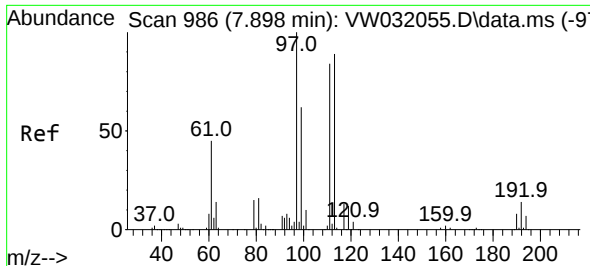
Tgt Ion: 65 Resp: 114308
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032114.D
 Acq: 22 Aug 2025 16:29

Tgt Ion: 114 Resp: 299240
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 43.0
 88 16.0 0.0 33.8

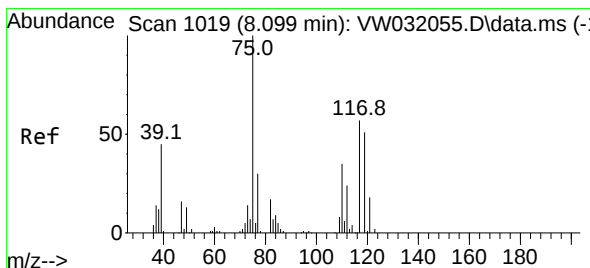
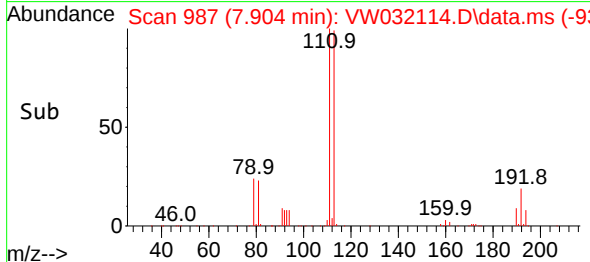
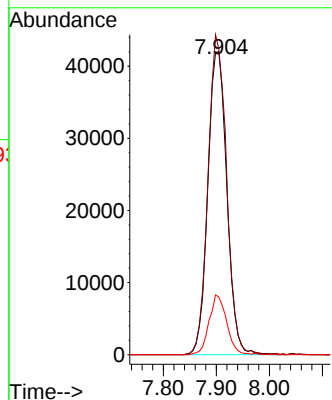
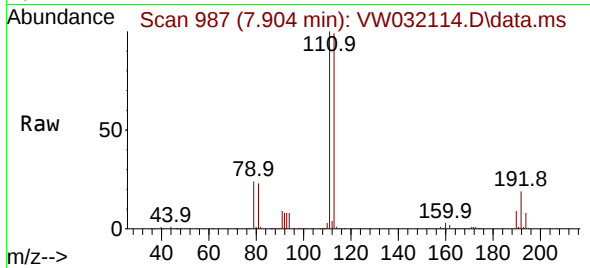




#35
 Dibromofluoromethane
 Concen: 54.167 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.006 min
 Lab File: VW032114.D
 Acq: 22 Aug 2025 16:29

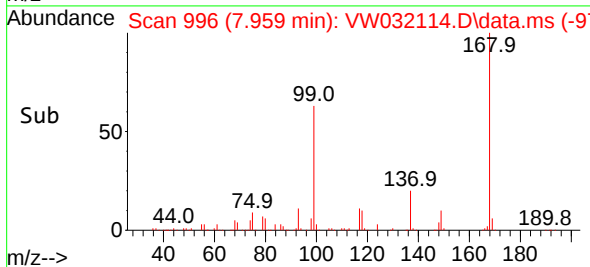
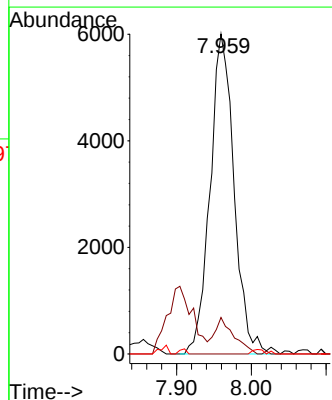
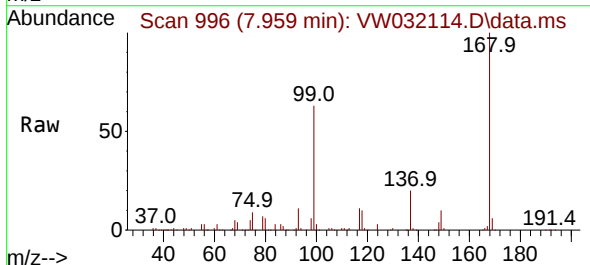
Instrument :
 MSVOA_W
 ClientSampleId :
 25-SEPTIC

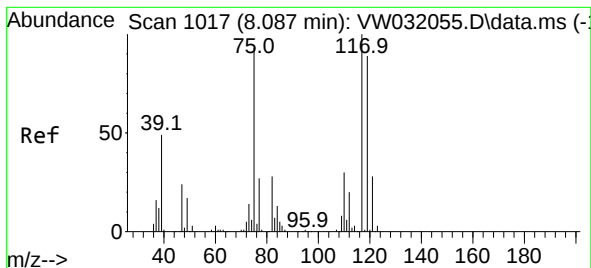
Tgt Ion:113 Resp: 104717
 Ion Ratio Lower Upper
 113 100
 111 103.3 80.1 120.1
 192 18.1 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 4.924 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032114.D
 Acq: 22 Aug 2025 16:29

Tgt Ion: 75 Resp: 13419
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.4 52.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.303 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

Lab File: VW032114.D

Acq: 22 Aug 2025 16:29

Instrument :

MSVOA_W

ClientSampleId :

25-SEPTIC

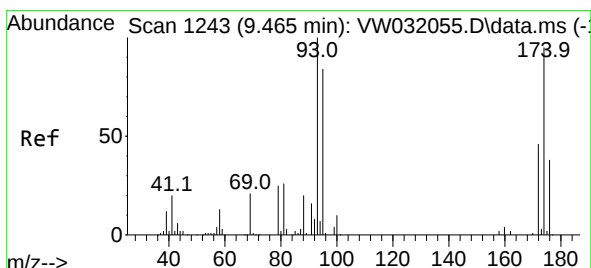
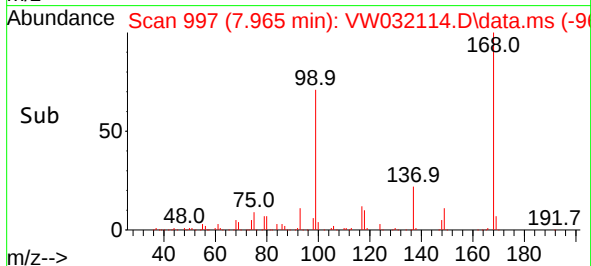
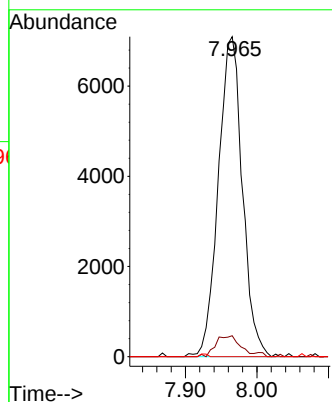
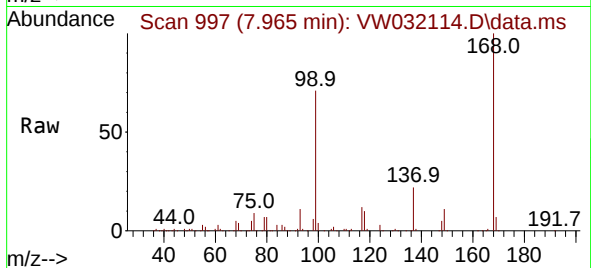
Tgt Ion:117 Resp: 16577

Ion Ratio Lower Upper

117 100

119 6.6 71.4 107.2#

121 0.0 22.3 33.5#



#49

1,4-Dioxane

Concen: 4.216 ug/l

RT: 9.459 min Scan# 1242

Delta R.T. -0.006 min

Lab File: VW032114.D

Acq: 22 Aug 2025 16:29

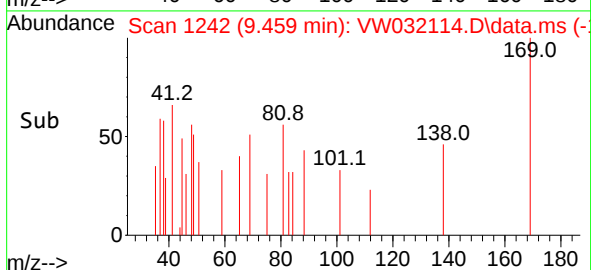
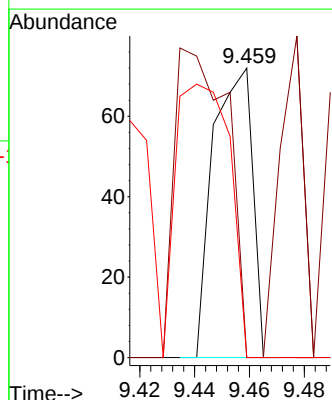
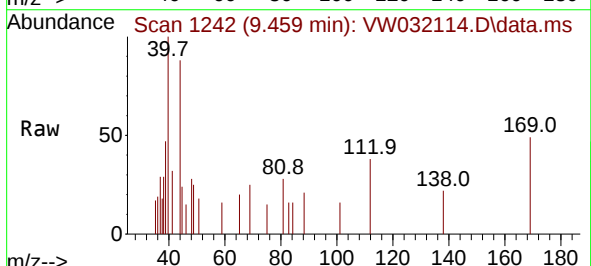
Tgt Ion: 88 Resp: 72

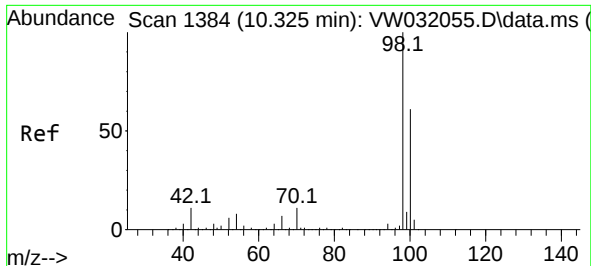
Ion Ratio Lower Upper

88 100

43 66.7 20.6 30.8#

58 0.0 60.4 90.6#

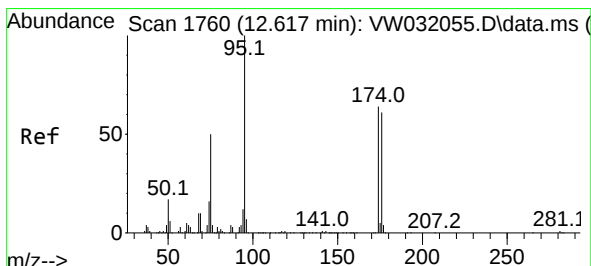
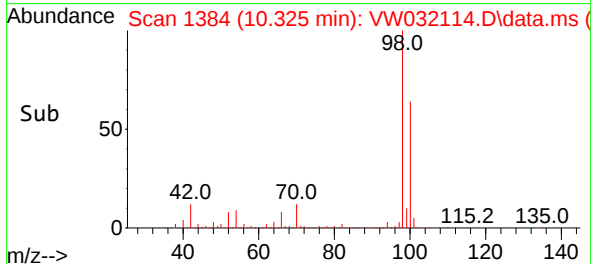
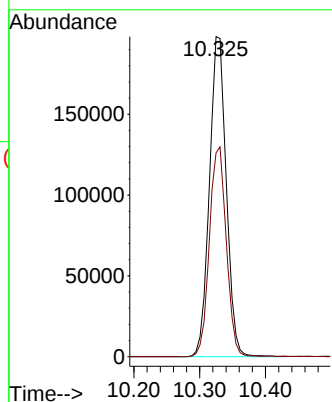
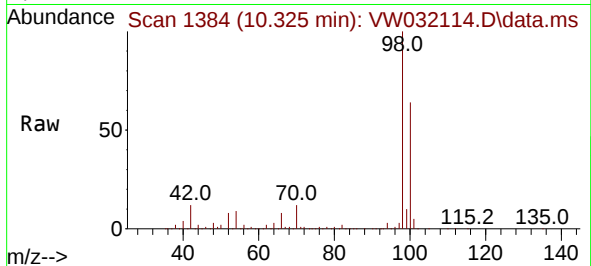




#50
Toluene-d8
Concen: 49.405 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032114.D
Acq: 22 Aug 2025 16:29

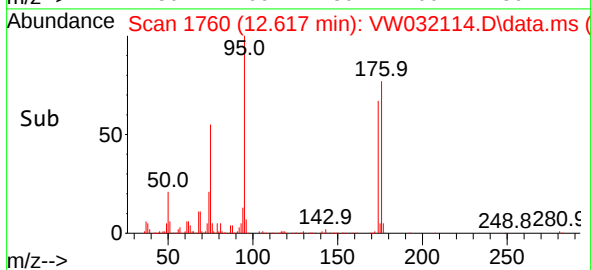
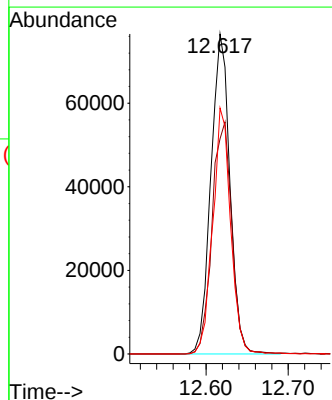
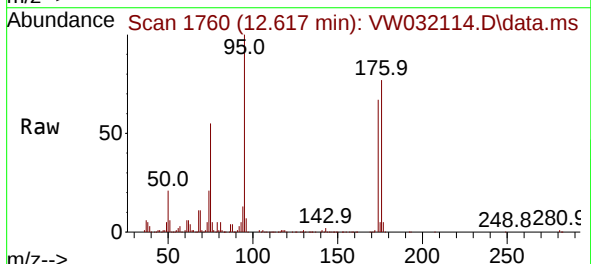
Instrument :
MSVOA_W
ClientSampleId :
25-SEPTIC

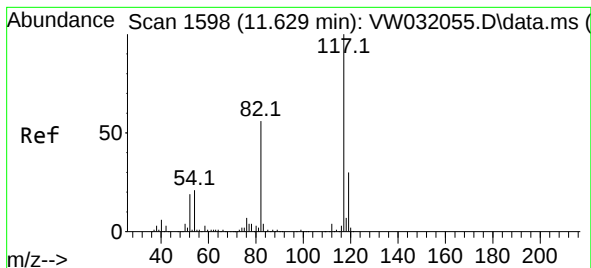
Tgt Ion: 98 Resp: 353265
Ion Ratio Lower Upper
98 100
100 65.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 46.685 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032114.D
Acq: 22 Aug 2025 16:29

Tgt Ion: 95 Resp: 123014
Ion Ratio Lower Upper
95 100
174 75.6 0.0 129.0
176 72.7 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032114.D

Acq: 22 Aug 2025 16:29

Instrument :

MSVOA_W

ClientSampleId :

25-SEPTIC

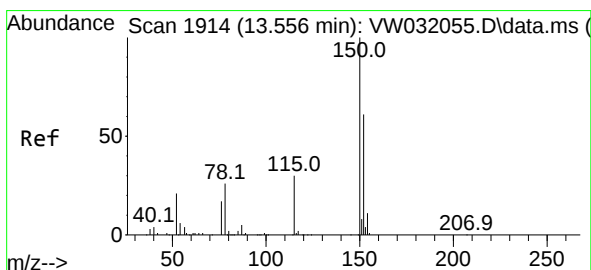
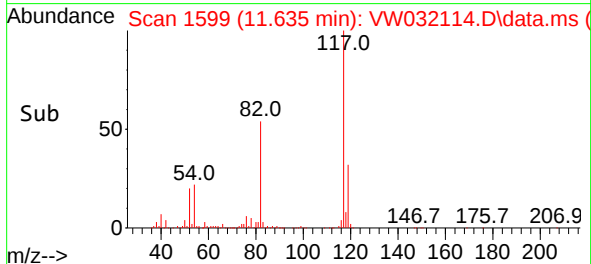
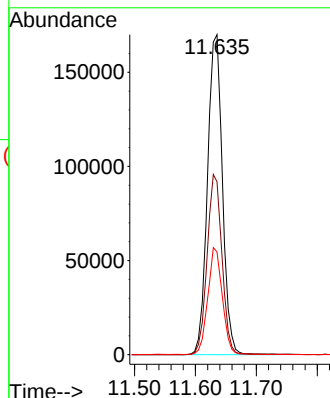
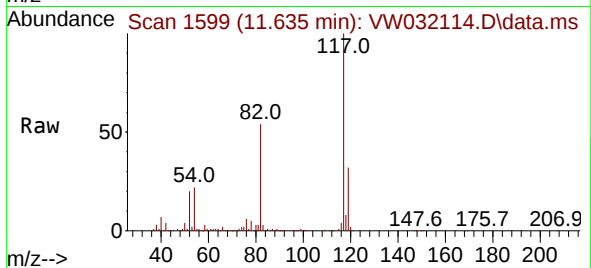
Tgt Ion:117 Resp: 289923

Ion Ratio Lower Upper

117 100

82 54.1 45.0 67.4

119 32.0 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032114.D

Acq: 22 Aug 2025 16:29

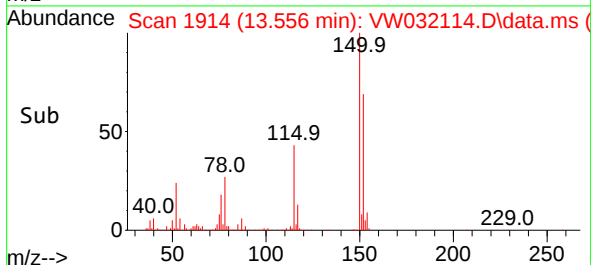
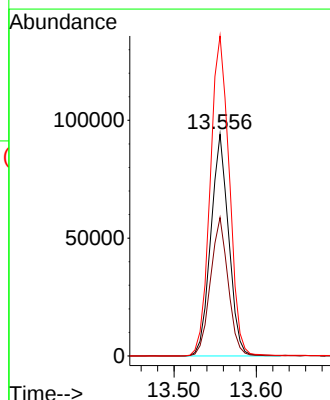
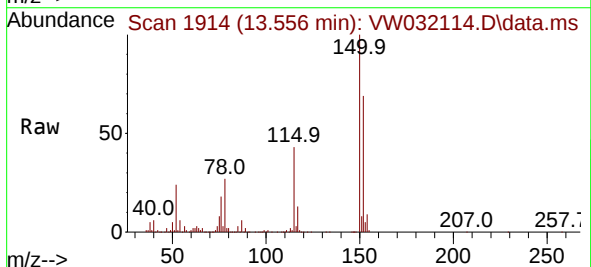
Tgt Ion:152 Resp: 141778

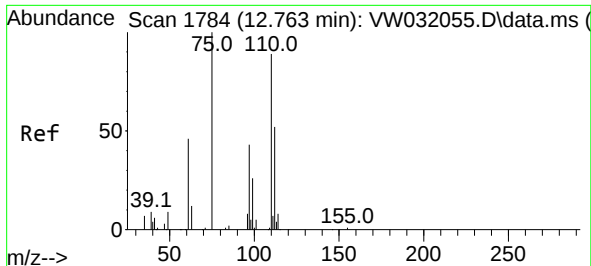
Ion Ratio Lower Upper

152 100

115 61.9 32.6 97.8

150 154.0 0.0 359.4

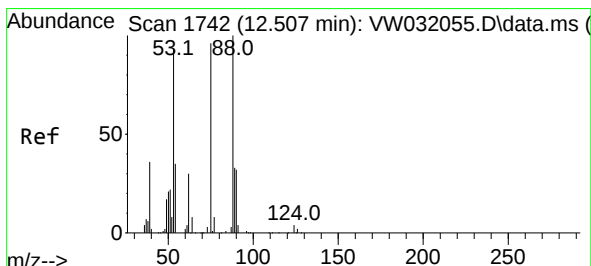
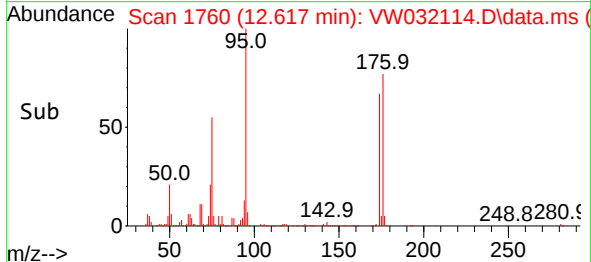
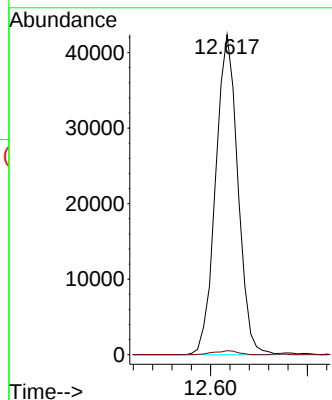
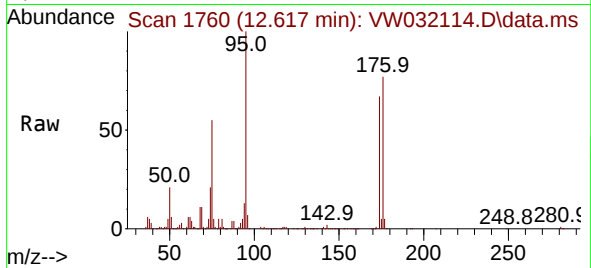




#76
1,2,3-Trichloropropane
Concen: 35.142 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032114.D
Acq: 22 Aug 2025 16:29

Instrument :
MSVOA_W
ClientSampleId :
25-SEPTIC

Tgt Ion: 75 Resp: 67622
Ion Ratio Lower Upper
75 100
77 1.3 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.979 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032114.D
Acq: 22 Aug 2025 16:29

Tgt Ion: 75 Resp: 67622
Ion Ratio Lower Upper
75 100
53 0.5 81.0 121.6#
89 0.1 37.3 55.9#

