

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032494.D
 Acq On : 19 Nov 2025 12:08
 Operator : SY/MD
 Sample : Q3619-17
 Misc : 6.15g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B4(8-12)

Quant Time: Nov 20 01:17:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

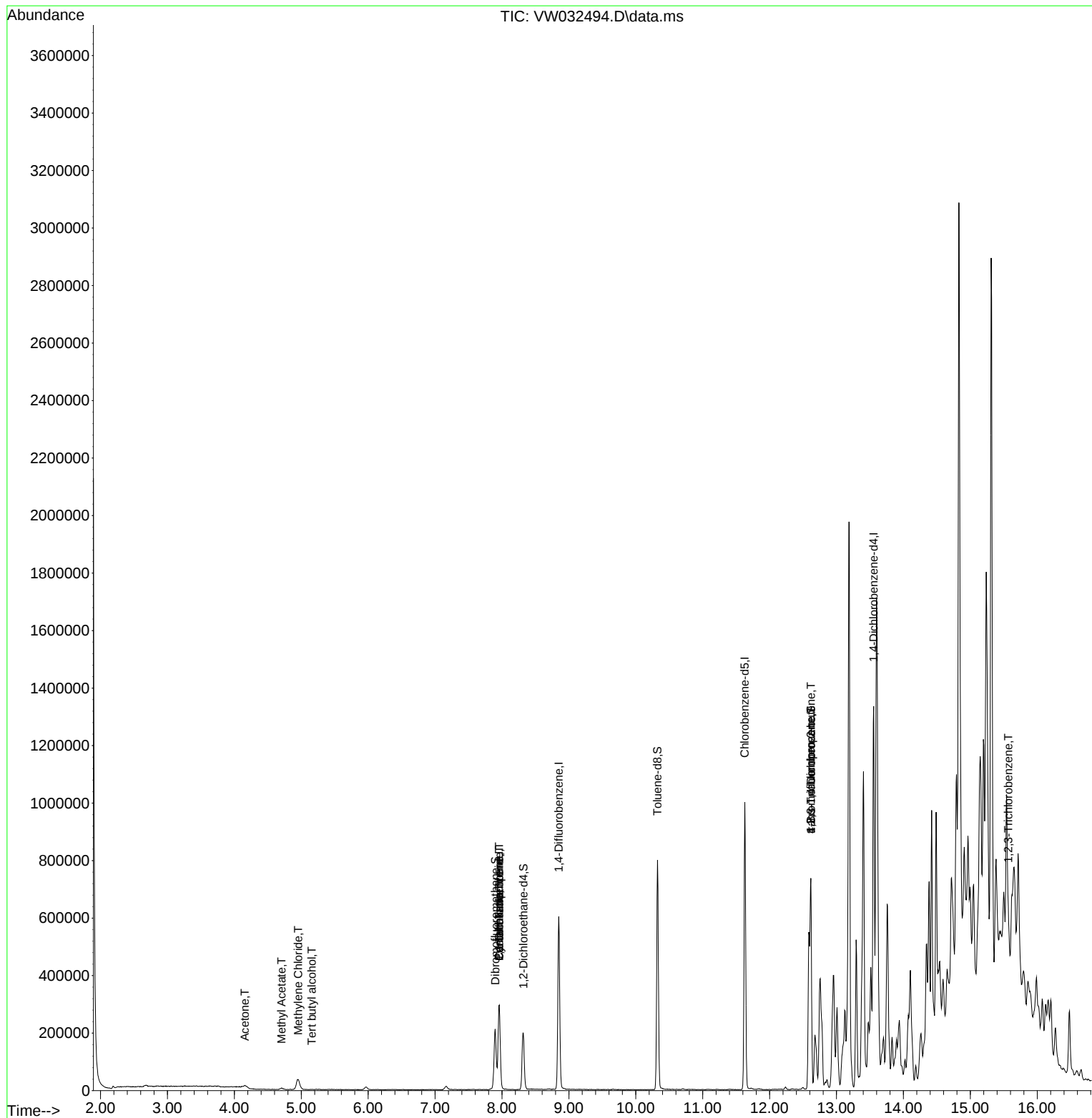
Internal Standards						
1) Pentafluorobenzene	7.959	168	209757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	491644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	534544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	291639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163763	60.557	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 121.120%		
35) Dibromofluoromethane	7.898	113	153289	52.076	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 104.160%		
50) Toluene-d8	10.325	98	514768	45.585	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 91.160%		
62) 4-Bromofluorobenzene	12.617	95	263649	61.804	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 123.600%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.155	59	238	1.018	ug/l #	72
16) Acetone	4.155	43	7238	8.946	ug/l	96
18) Methyl Acetate	4.704	43	10133	5.058	ug/l	99
20) Methylene Chloride	4.954	84	32027	11.069	ug/l	97
31) Cyclohexane	7.959	56	5715	1.277	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	19450	4.485	ug/l #	51
38) Carbon Tetrachloride	7.959	117	23024	5.975	ug/l #	15
76) 1,2,3-Trichloropropane	12.617	75	127907	31.986	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	127907	73.262	ug/l #	11
96) 1,2,3-Trichlorobenzene	15.568	180	5365	1.052	ug/l #	12

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032494.D
Acq On : 19 Nov 2025 12:08
Operator : SY/MD
Sample : Q3619-17
Misc : 6.15g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GP-B4(8-12)

Quant Time: Nov 20 01:17:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

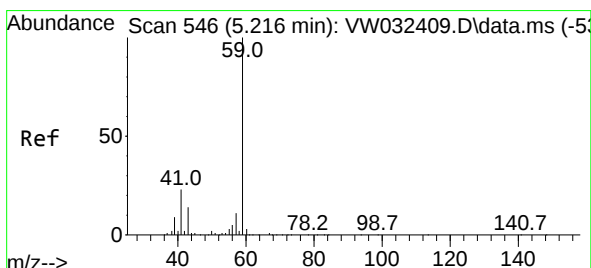
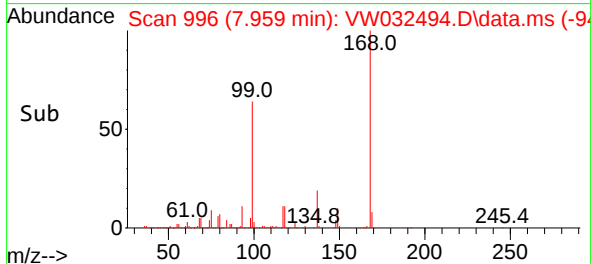
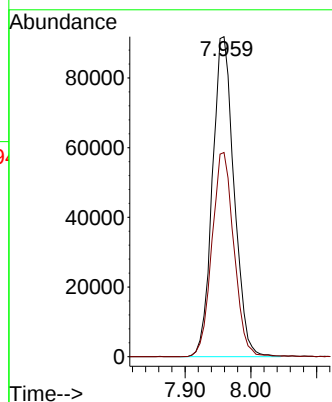
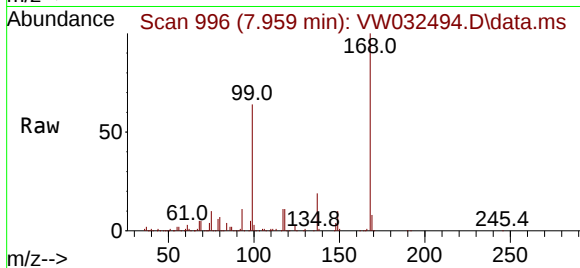




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

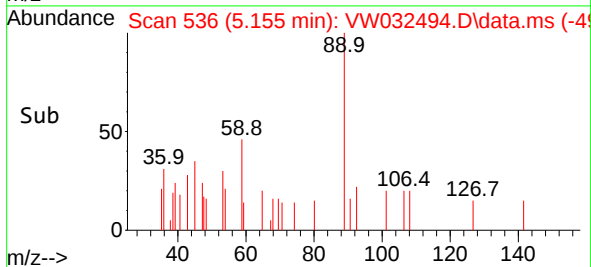
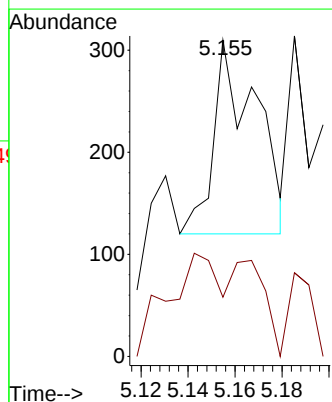
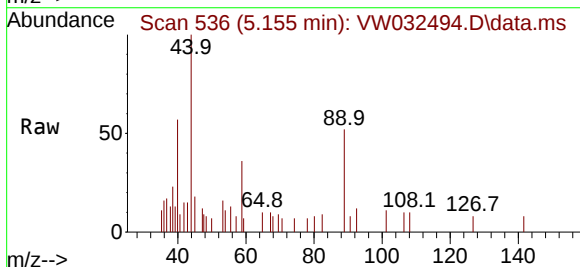
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(8-12)

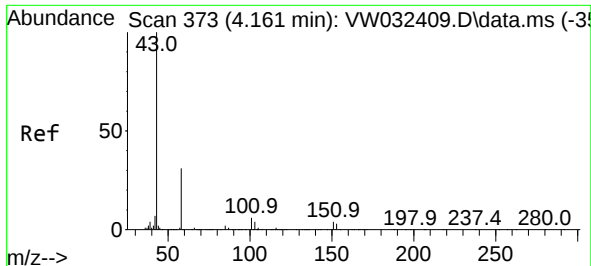
Tgt Ion:168 Resp: 209757
Ion Ratio Lower Upper
168 100
99 63.8 45.4 68.2



#11
Tert butyl alcohol
Concen: 1.018 ug/l
RT: 5.155 min Scan# 536
Delta R.T. -0.061 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

Tgt Ion: 59 Resp: 238
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

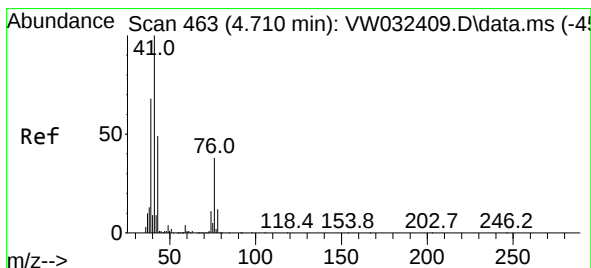
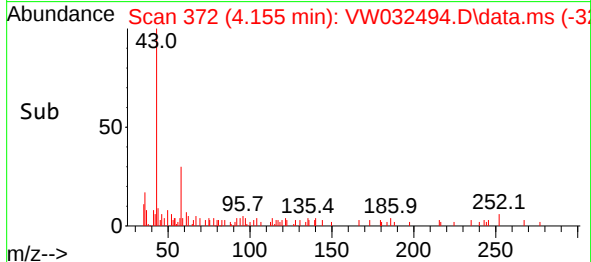
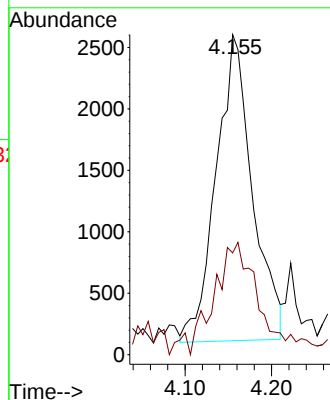
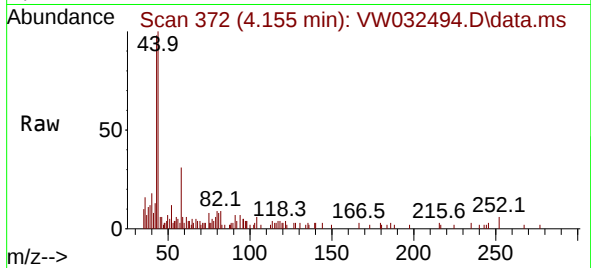




#16
Acetone
Concen: 8.946 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

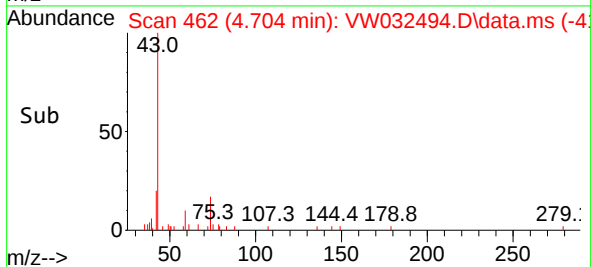
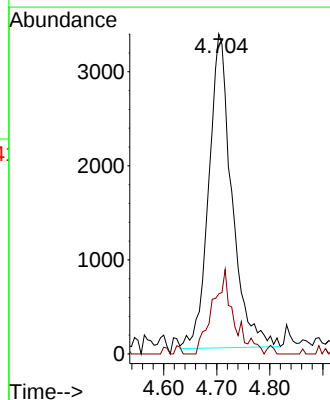
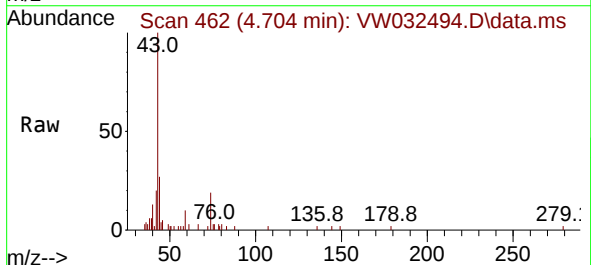
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(8-12)

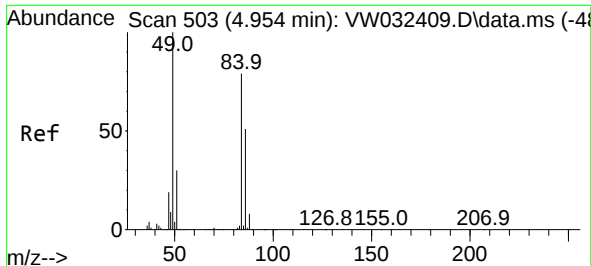
Tgt Ion: 43 Resp: 7238
Ion Ratio Lower Upper
43 100
58 28.9 24.8 37.2



#18
Methyl Acetate
Concen: 5.058 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

Tgt Ion: 43 Resp: 10133
Ion Ratio Lower Upper
43 100
74 23.1 18.9 28.3

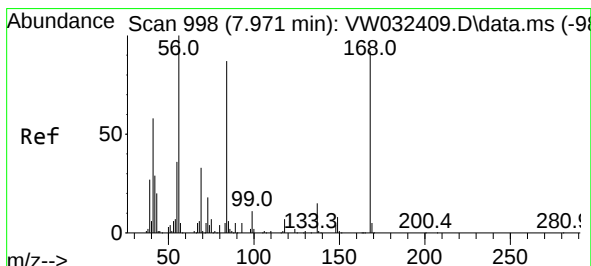
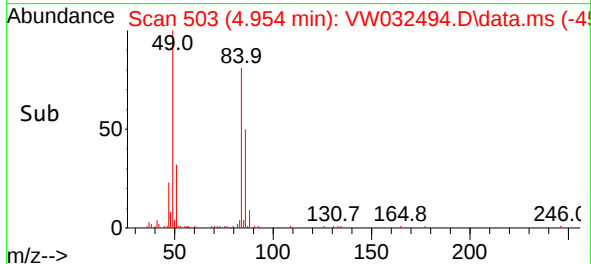
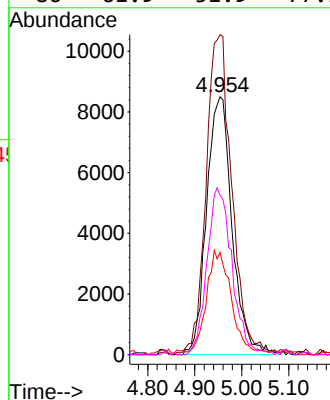
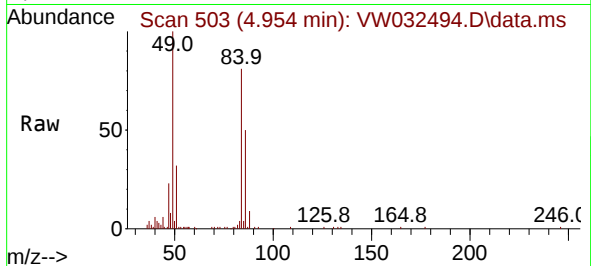




#20
Methylene Chloride
Concen: 11.069 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

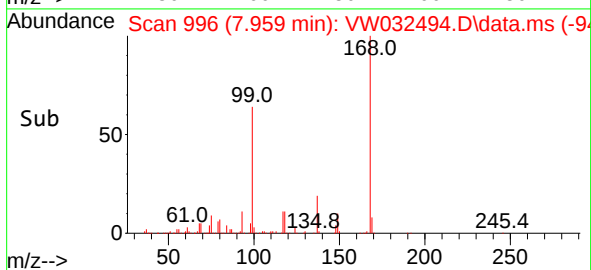
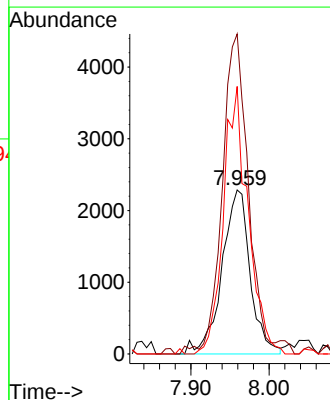
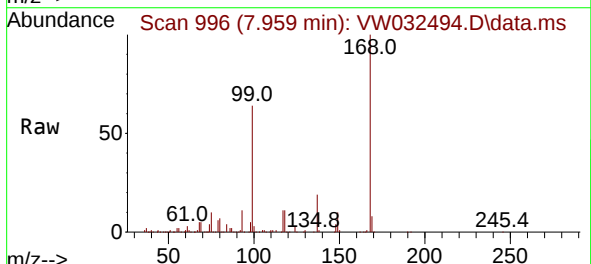
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(8-12)

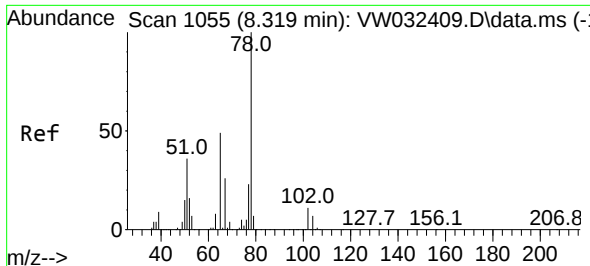
Tgt Ion:	84	Resp:	32027
Ion	Ratio	Lower	Upper
84	100		
49	123.4	101.5	152.3
51	38.9	30.6	46.0
86	61.9	51.9	77.9



#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

Tgt Ion:	56	Resp:	5715
Ion	Ratio	Lower	Upper
56	100		
69	197.9	26.5	39.7#
84	165.6	69.6	104.4#

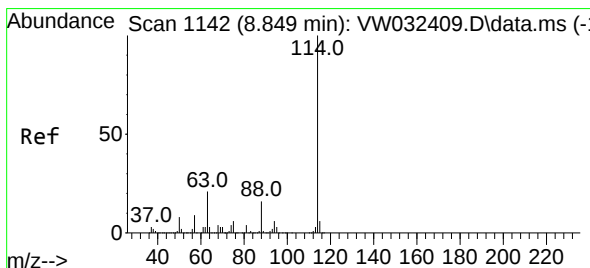
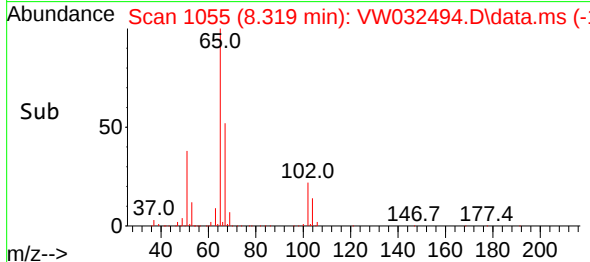
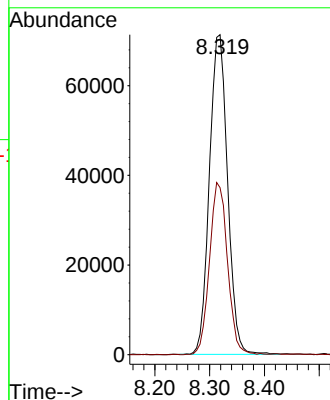
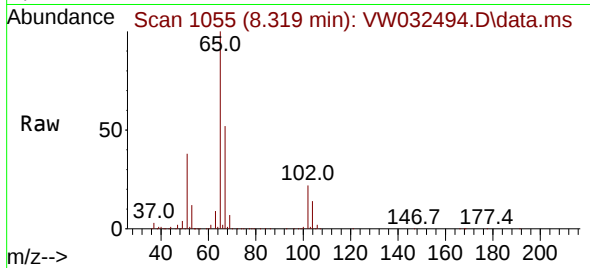




#33
 1,2-Dichloroethane-d4
 Concen: 60.557 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032494.D
 Acq: 19 Nov 2025 12:08

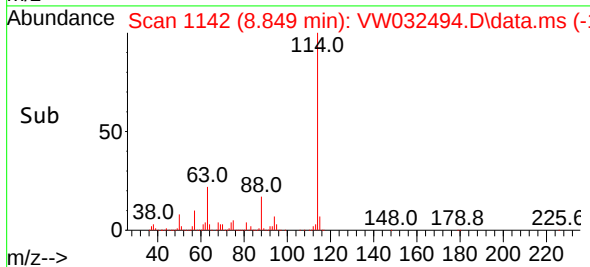
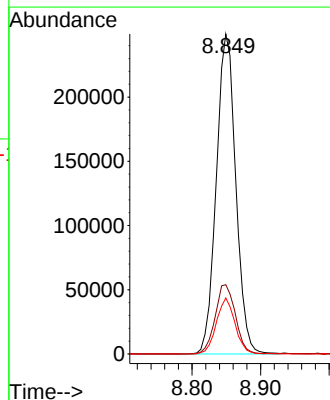
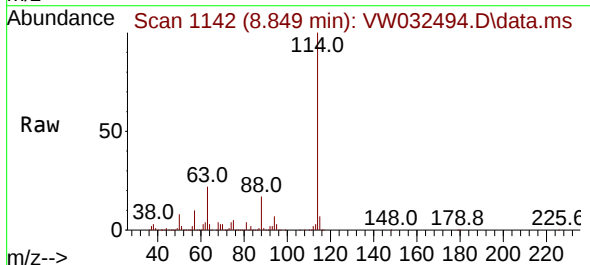
Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B4(8-12)

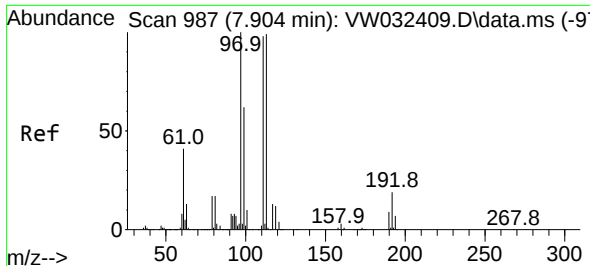
Tgt Ion: 65 Resp: 163763
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032494.D
 Acq: 19 Nov 2025 12:08

Tgt Ion: 114 Resp: 491644
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.8
 88 17.5 0.0 32.6

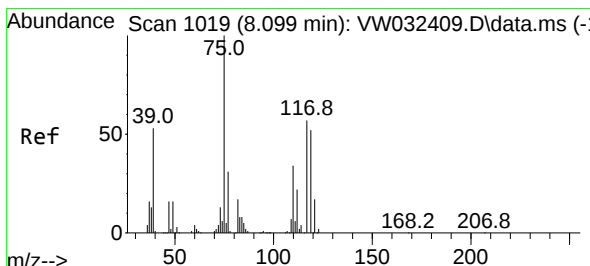
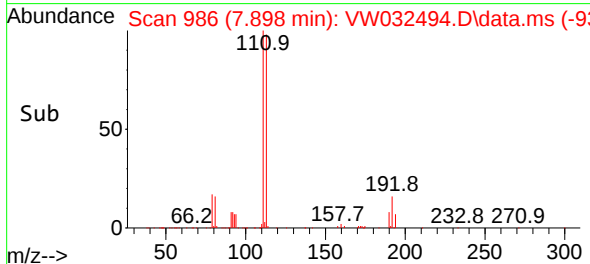
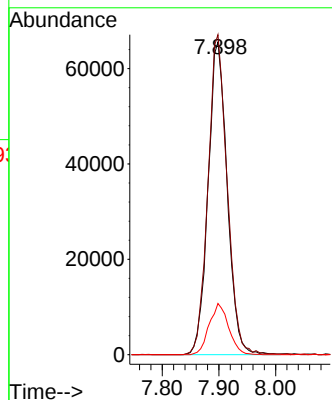
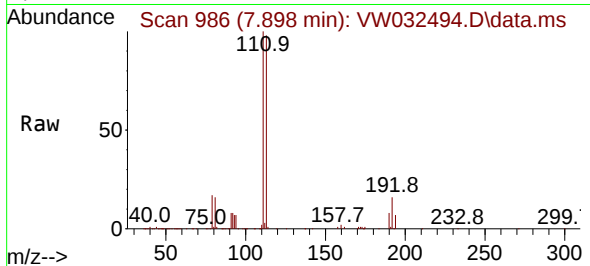




#35
Dibromofluoromethane
Concen: 52.076 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

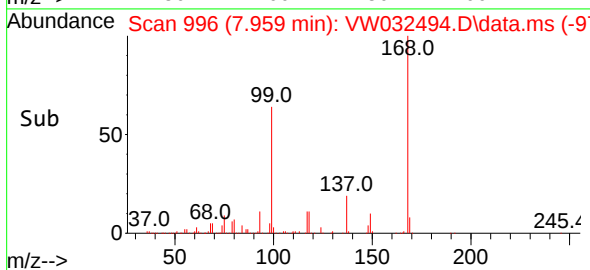
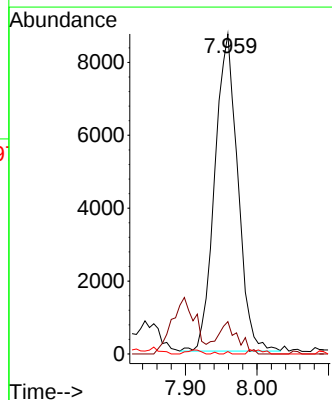
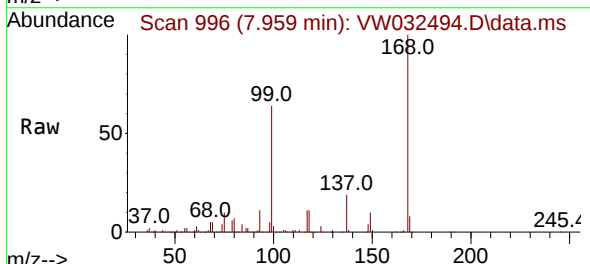
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(8-12)

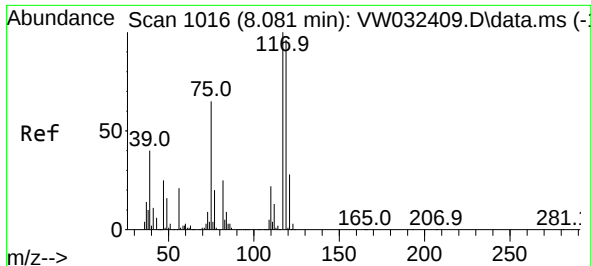
Tgt Ion:113 Resp: 153289
Ion Ratio Lower Upper
113 100
111 102.9 83.1 124.7
192 16.7 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.485 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

Tgt Ion: 75 Resp: 19450
Ion Ratio Lower Upper
75 100
110 9.1 17.2 51.5#
77 0.1 24.5 36.7#

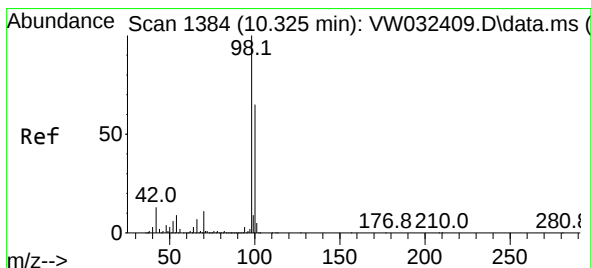
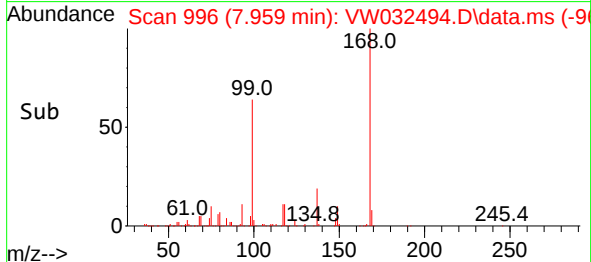
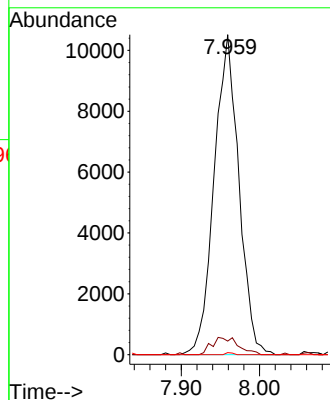
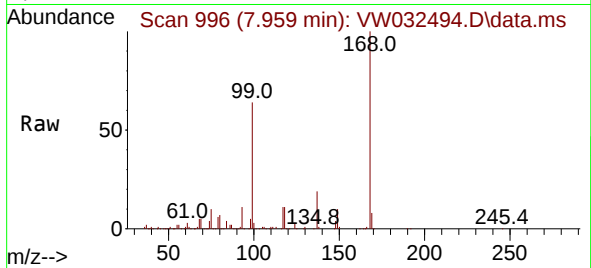




#38
Carbon Tetrachloride
Concen: 5.975 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

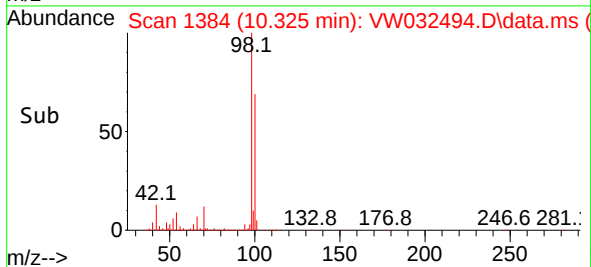
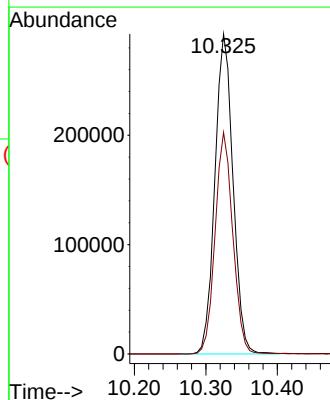
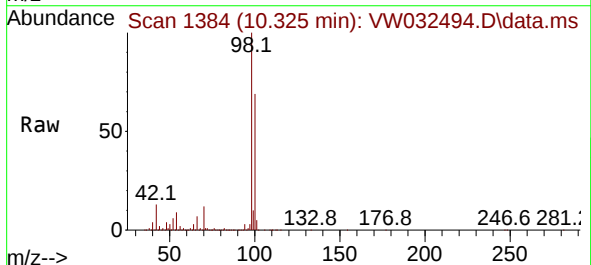
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(8-12)

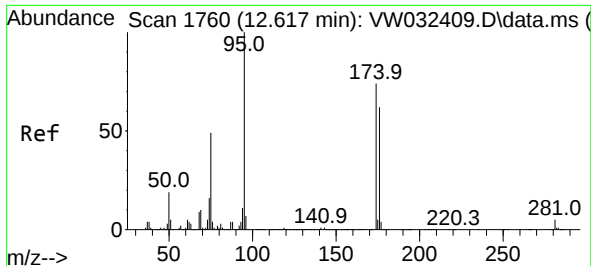
Tgt Ion:117 Resp: 23024
Ion Ratio Lower Upper
117 100
119 4.3 77.0 115.4#
121 0.6 22.0 33.0#



#50
Toluene-d8
Concen: 45.585 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

Tgt Ion: 98 Resp: 514768
Ion Ratio Lower Upper
98 100
100 67.8 53.3 79.9

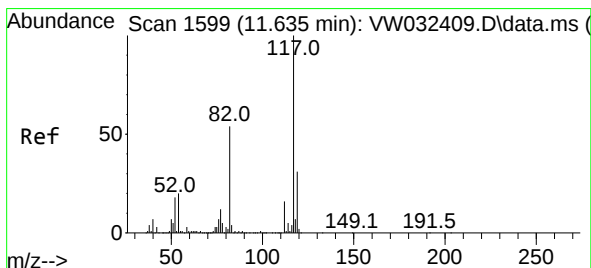
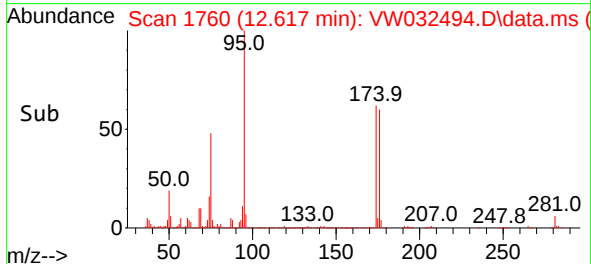
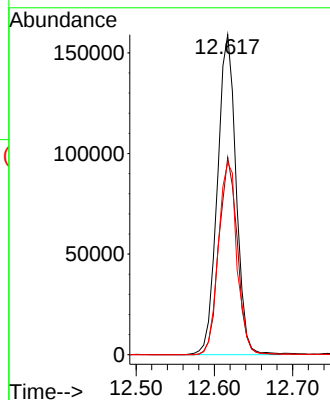
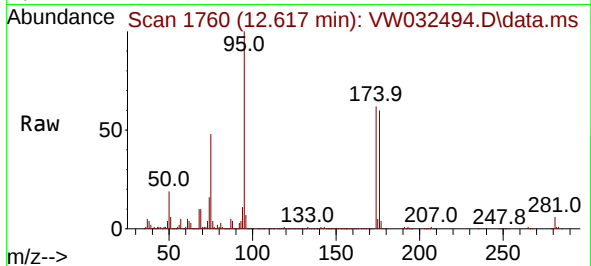




#62
4-Bromofluorobenzene
Concen: 61.804 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

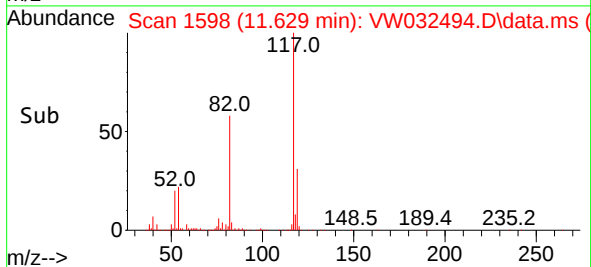
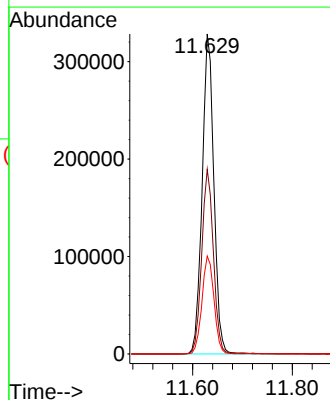
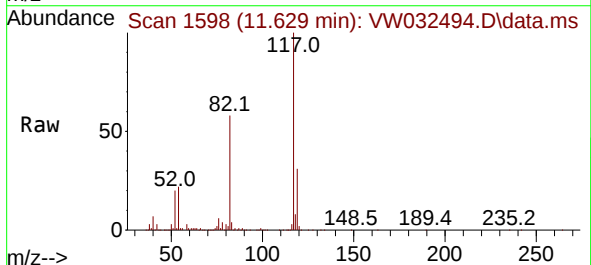
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(8-12)

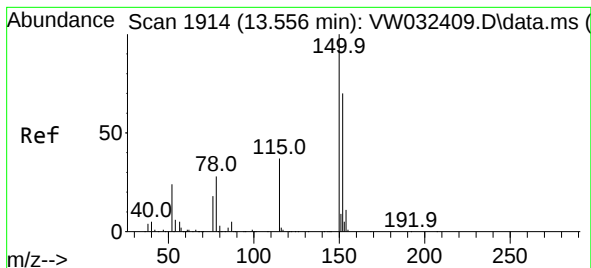
Tgt Ion: 95 Resp: 263649
Ion Ratio Lower Upper
95 100
174 60.8 0.0 135.4
176 60.5 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

Tgt Ion: 117 Resp: 534544
Ion Ratio Lower Upper
117 100
82 57.7 43.0 64.4
119 30.6 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032494.D

Acq: 19 Nov 2025 12:08

Instrument :

MSVOA_W

ClientSampleId :

GP-B4(8-12)

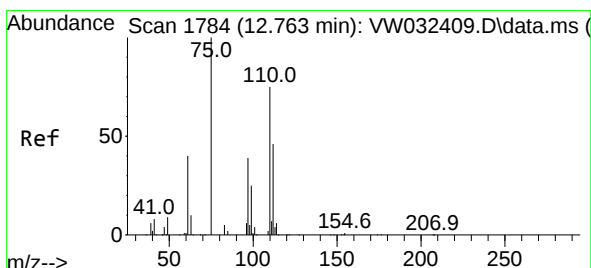
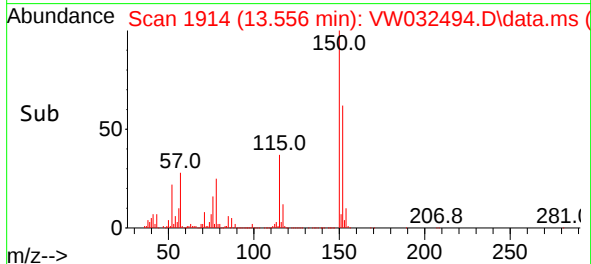
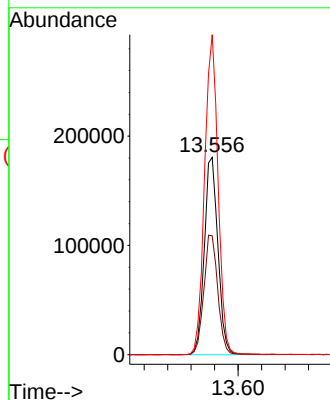
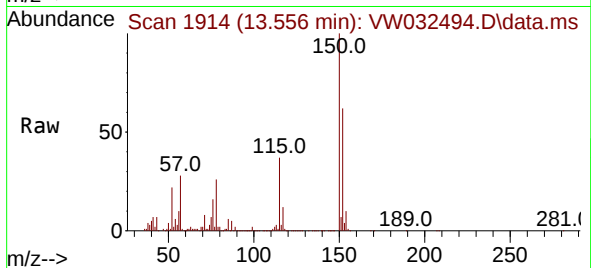
Tgt Ion:152 Resp: 291639

Ion Ratio Lower Upper

152 100

115 61.8 32.8 98.3

150 159.6 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 31.986 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032494.D

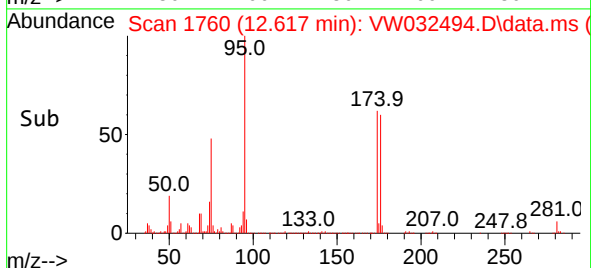
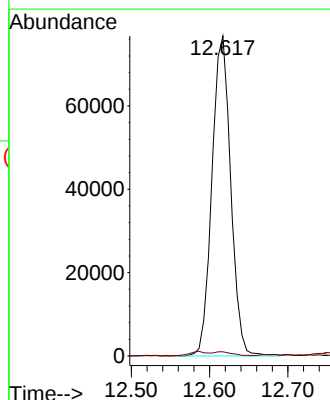
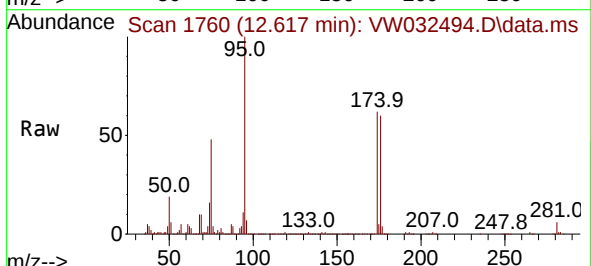
Acq: 19 Nov 2025 12:08

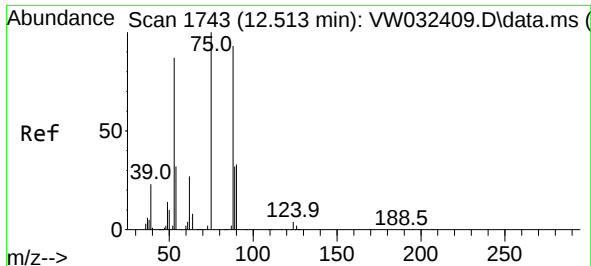
Tgt Ion: 75 Resp: 127907

Ion Ratio Lower Upper

75 100

77 1.2 151.6 454.8#

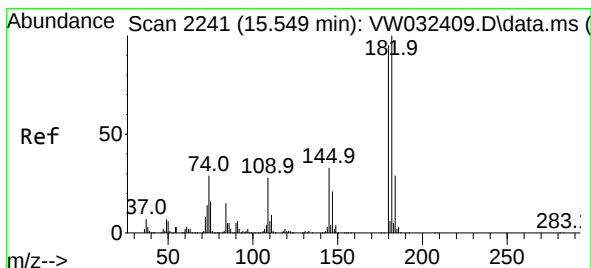
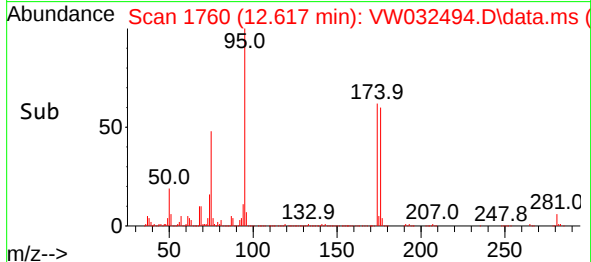
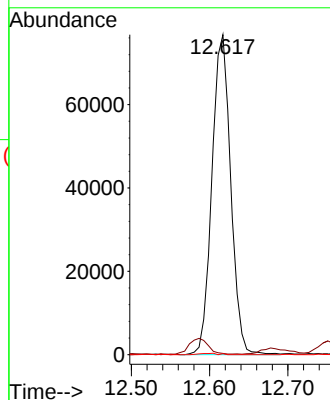
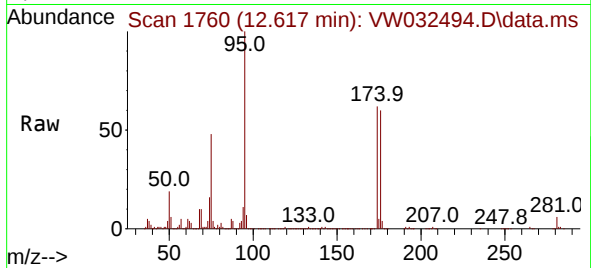




#81
trans-1,4-Dichloro-2-butene
Concen: 73.262 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

Instrument :
MSVOA_W
ClientSampleId :
GP-B4(8-12)

Tgt Ion: 75 Resp: 127907
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.4 35.6 53.4#



#96
1,2,3-Trichlorobenzene
Concen: 1.052 ug/l
RT: 15.568 min Scan# 2244
Delta R.T. 0.018 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

Tgt Ion:180 Resp: 5365
Ion Ratio Lower Upper
180 100
182 0.0 50.3 151.0#
145 3.8 17.8 53.3#

