

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032504.D
 Acq On : 19 Nov 2025 15:49
 Operator : SY/MD
 Sample : Q3619-04
 Misc : 6.23g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B1(12-16)

Quant Time: Nov 20 01:20:19 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)

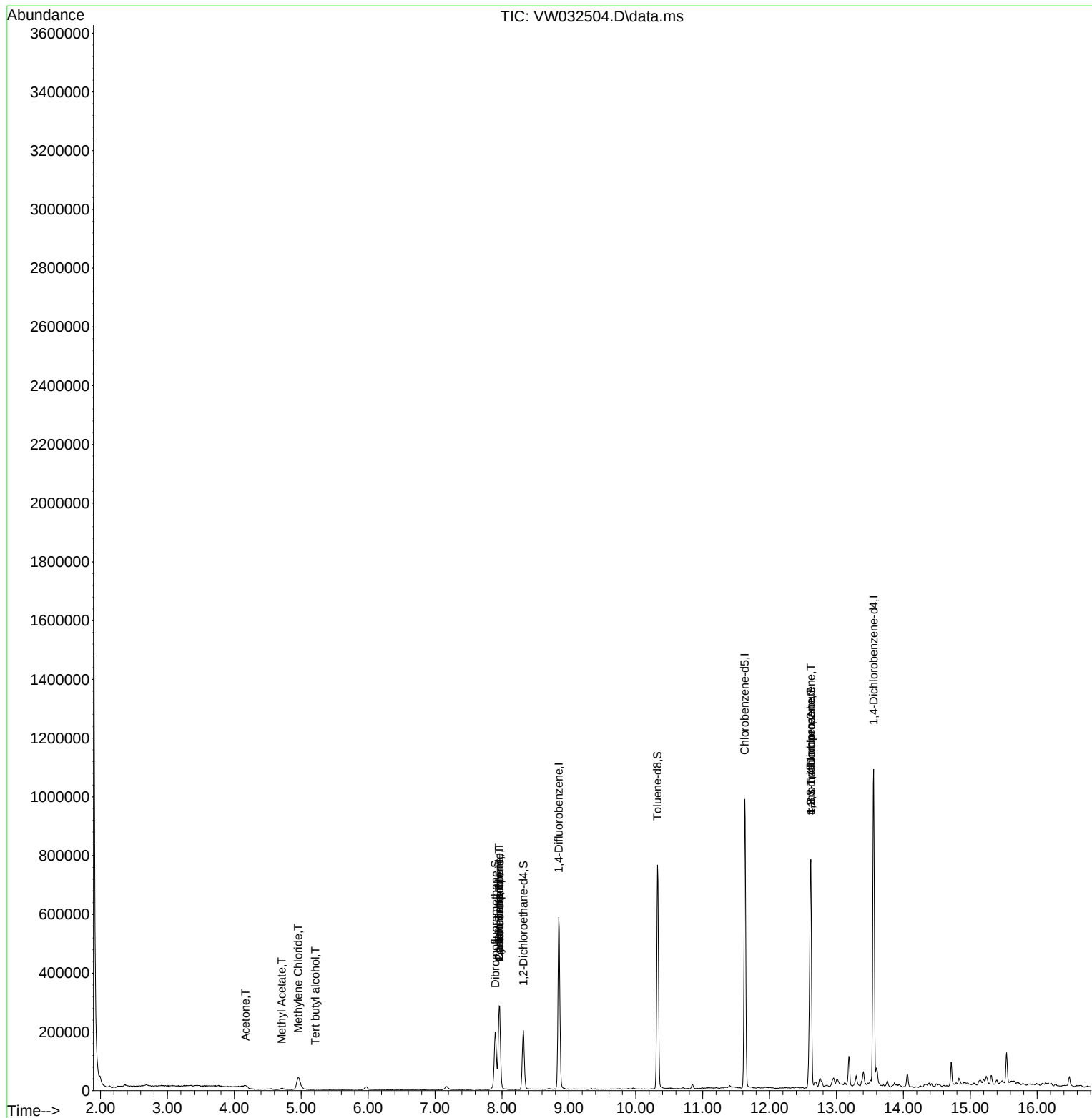
Internal Standards						
1) Pentafluorobenzene	7.965	168	206745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	482828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	532790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	284493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	156683	58.783	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 117.560%		
35) Dibromofluoromethane	7.898	113	146919	50.823	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 101.640%		
50) Toluene-d8	10.325	98	509005	45.897	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 91.800%		
62) 4-Bromofluorobenzene	12.617	95	249326	59.514	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 119.020%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	1067	4.629	ug/l	99
16) Acetone	4.167	43	7295	9.148	ug/l	100
18) Methyl Acetate	4.710	43	11170	5.657	ug/l	98
20) Methylene Chloride	4.954	84	37251	13.062	ug/l	94
31) Cyclohexane	7.959	56	5353	1.214	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	18700	4.390	ug/l #	50
38) Carbon Tetrachloride	7.959	117	21762	5.750	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	125747	32.236	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	125747	73.834	ug/l #	11

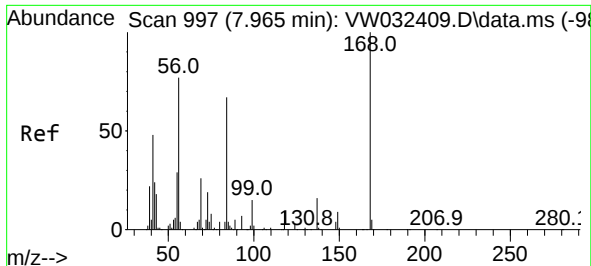
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GP-B1(12-16)

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Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

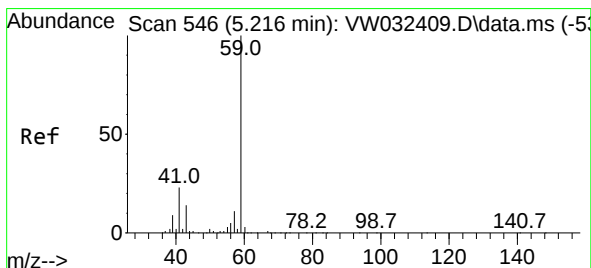
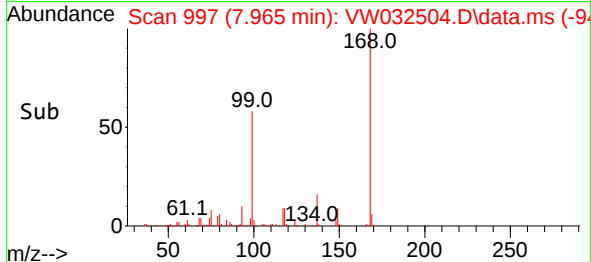
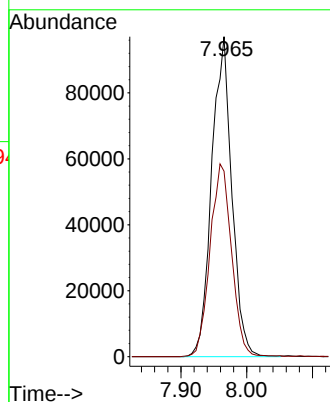
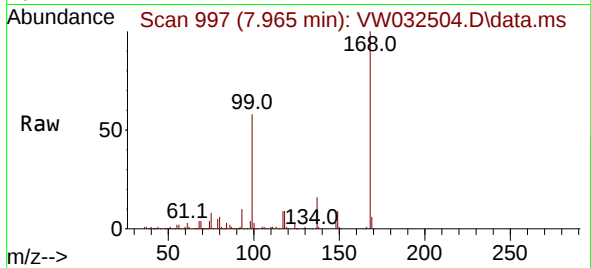




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032504.D
Acq: 19 Nov 2025 15:49

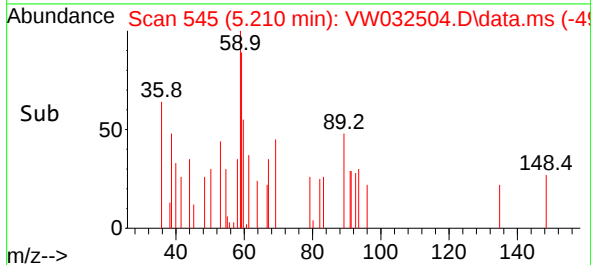
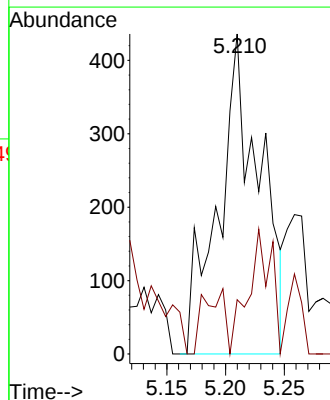
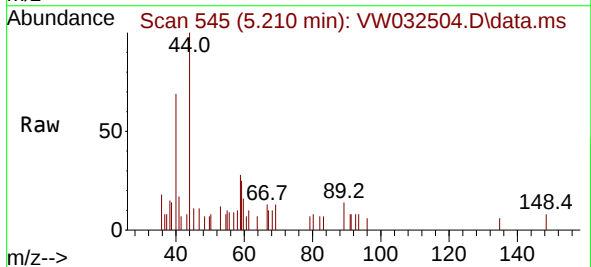
Instrument :
MSVOA_W
ClientSampleId :
GP-B1(12-16)

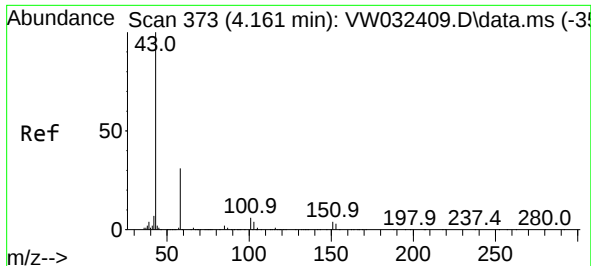
Tgt Ion:168 Resp: 206745
Ion Ratio Lower Upper
168 100
99 57.9 45.4 68.2



#11
Tert butyl alcohol
Concen: 4.629 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW032504.D
Acq: 19 Nov 2025 15:49

Tgt Ion: 59 Resp: 1067
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8

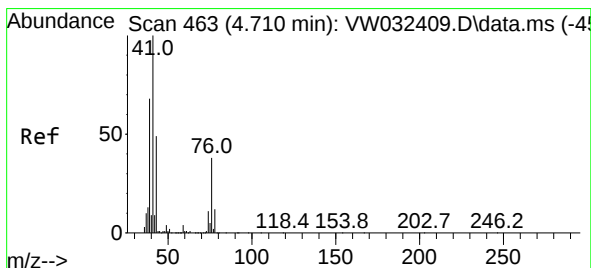
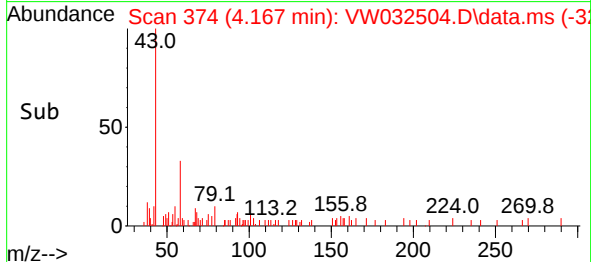
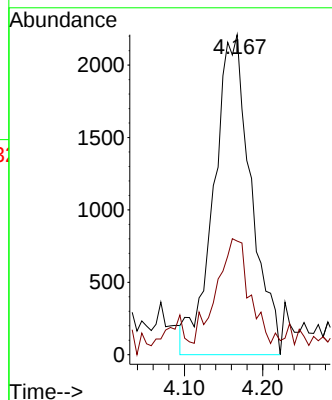
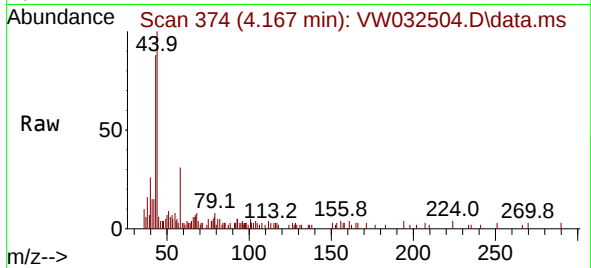




#16
Acetone
Concen: 9.148 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032504.D
Acq: 19 Nov 2025 15:49

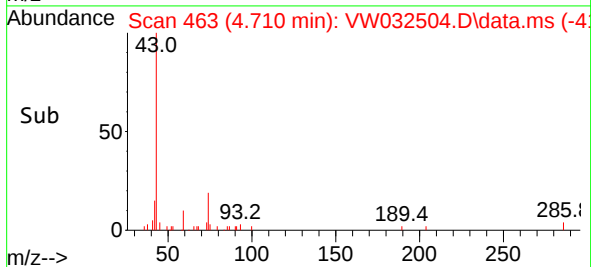
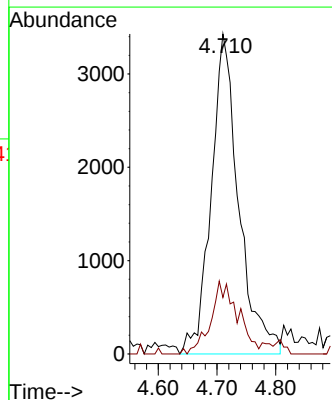
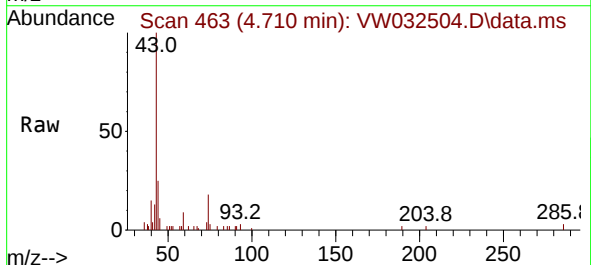
Instrument :
MSVOA_W
ClientSampleId :
GP-B1(12-16)

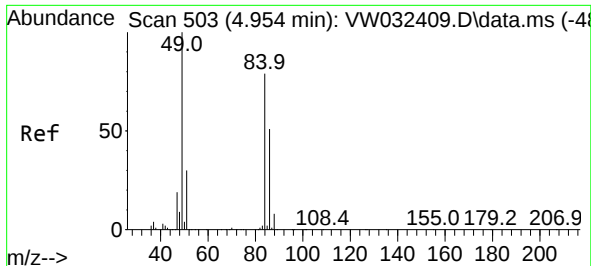
Tgt Ion: 43 Resp: 7295
Ion Ratio Lower Upper
43 100
58 31.1 24.8 37.2



#18
Methyl Acetate
Concen: 5.657 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032504.D
Acq: 19 Nov 2025 15:49

Tgt Ion: 43 Resp: 11170
Ion Ratio Lower Upper
43 100
74 22.4 18.9 28.3

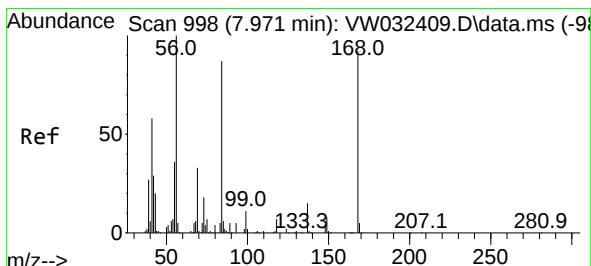
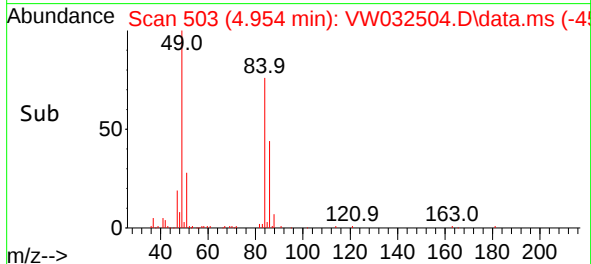
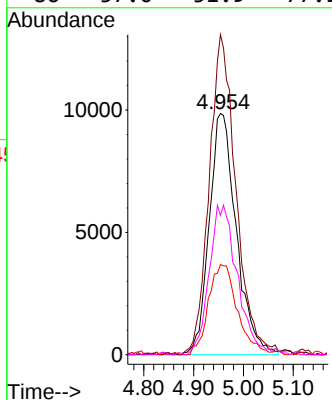
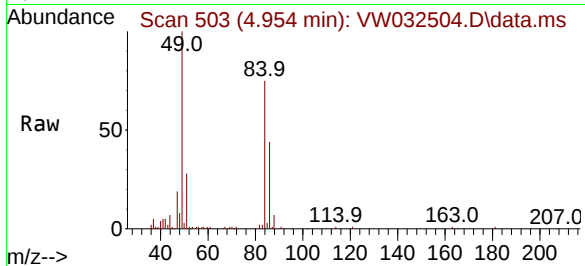




#20
Methylene Chloride
Concen: 13.062 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032504.D
Acq: 19 Nov 2025 15:49

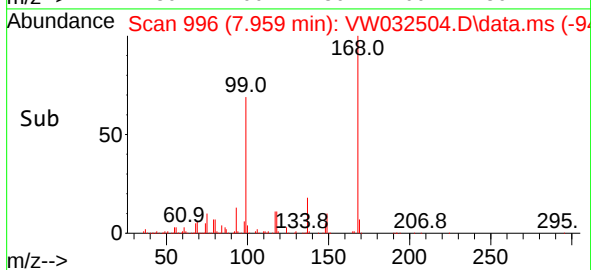
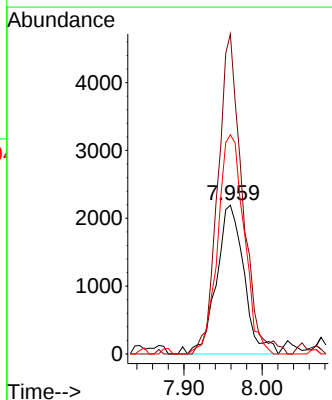
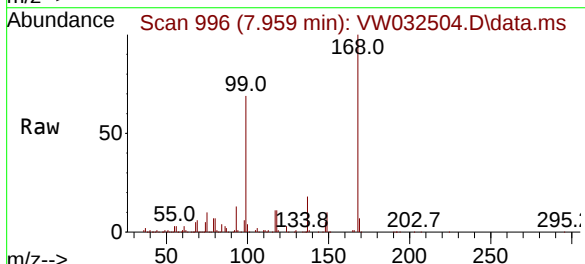
Instrument :
MSVOA_W
ClientSampleId :
GP-B1(12-16)

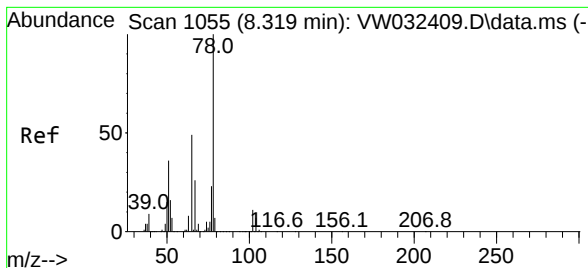
Tgt Ion:	84	Resp:	37251
Ion	Ratio	Lower	Upper
84	100		
49	131.9	101.5	152.3
51	36.1	30.6	46.0
86	57.0	51.9	77.9



#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032504.D
Acq: 19 Nov 2025 15:49

Tgt Ion:	56	Resp:	5353
Ion	Ratio	Lower	Upper
56	100		
69	215.1	26.5	39.7#
84	147.3	69.6	104.4#

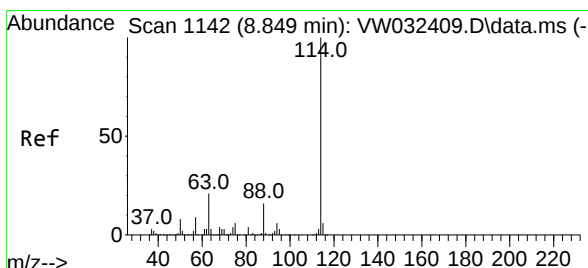
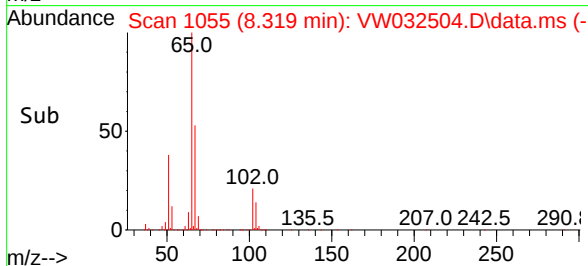
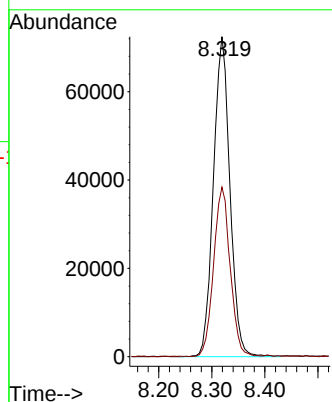
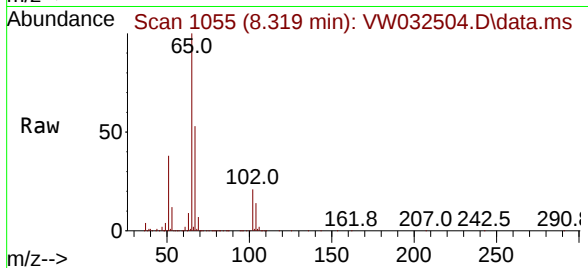




#33
 1,2-Dichloroethane-d4
 Concen: 58.783 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032504.D
 Acq: 19 Nov 2025 15:49

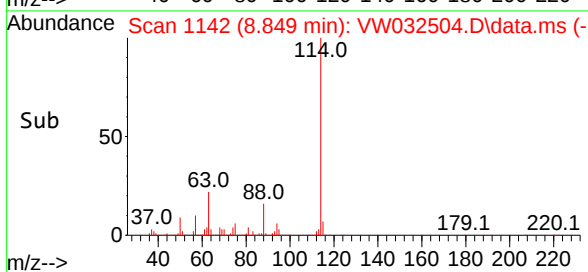
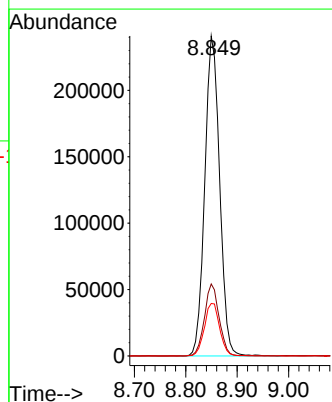
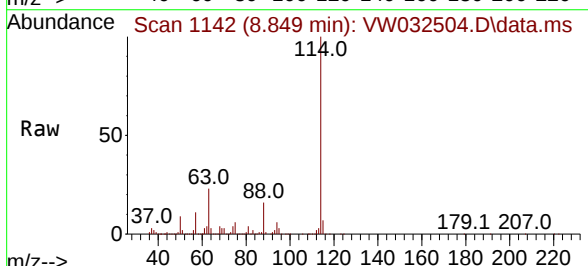
Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B1(12-16)

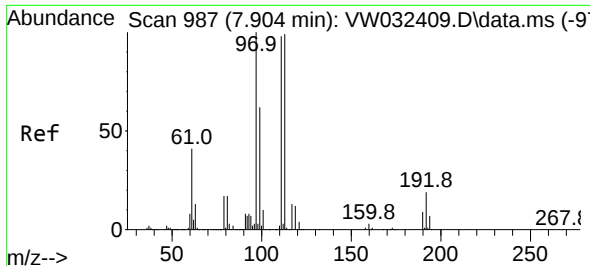
Tgt Ion: 65 Resp: 156683
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032504.D
 Acq: 19 Nov 2025 15:49

Tgt Ion: 114 Resp: 482828
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 41.8
 88 16.4 0.0 32.6

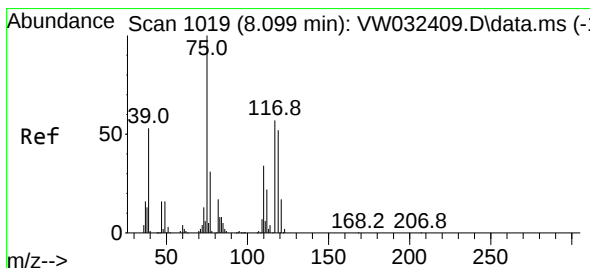
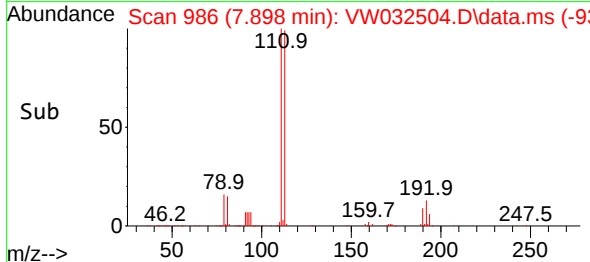
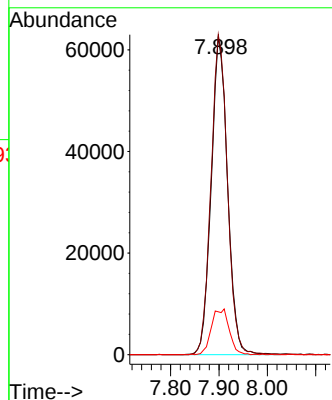
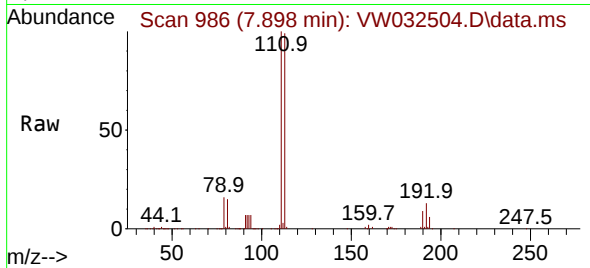




#35
 Dibromofluoromethane
 Concen: 50.823 ug/l
 RT: 7.898 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VW032504.D
 Acq: 19 Nov 2025 15:49

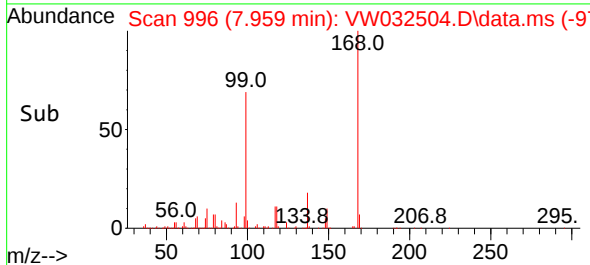
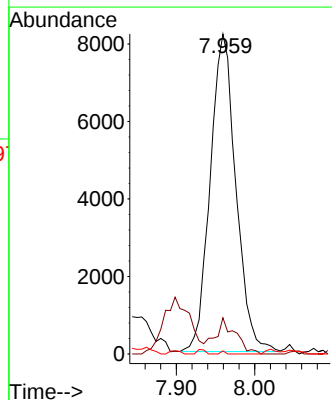
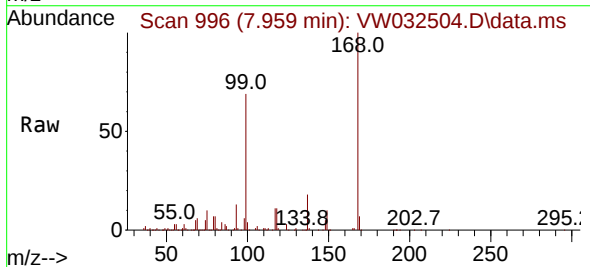
Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B1(12-16)

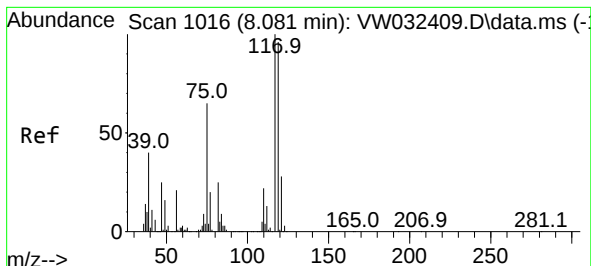
Tgt Ion:113 Resp: 146919
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.1 124.7
 192 15.7 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 4.390 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032504.D
 Acq: 19 Nov 2025 15:49

Tgt Ion: 75 Resp: 18700
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.2 51.5#
 77 0.1 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.750 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032504.D

Acq: 19 Nov 2025 15:49

Instrument :

MSVOA_W

ClientSampleId :

GP-B1(12-16)

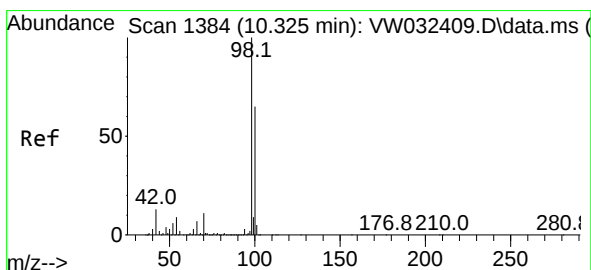
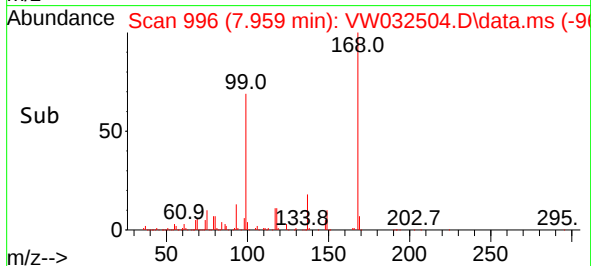
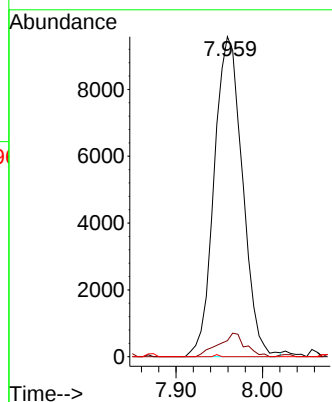
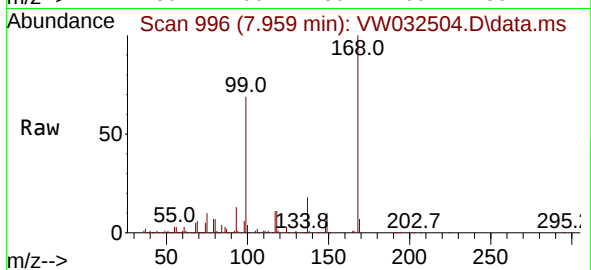
Tgt Ion:117 Resp: 21762

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.4#

121 0.0 22.0 33.0#



#50

Toluene-d8

Concen: 45.897 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032504.D

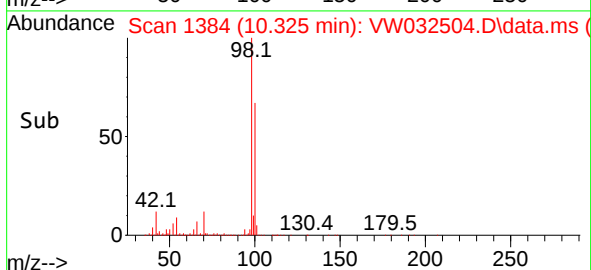
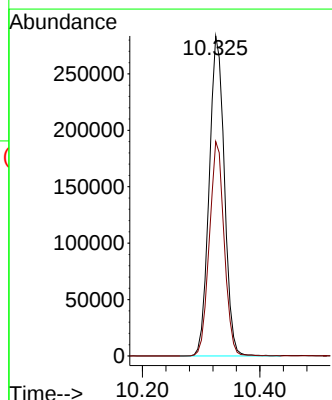
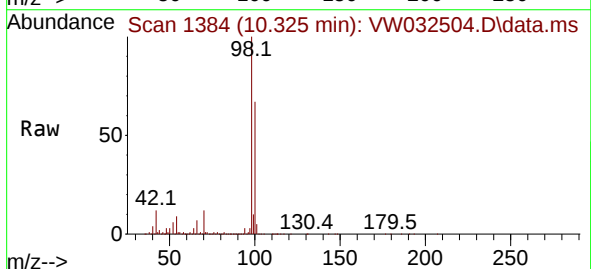
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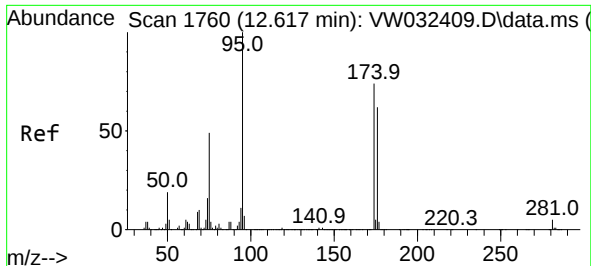
Tgt Ion: 98 Resp: 509005

Ion Ratio Lower Upper

98 100

100 65.4 53.3 79.9

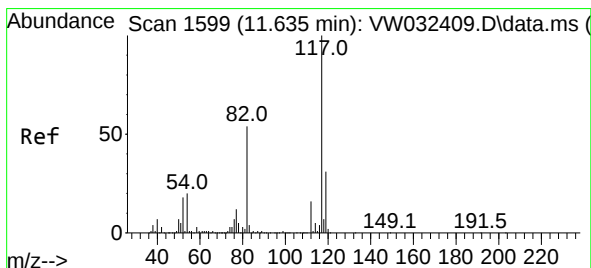
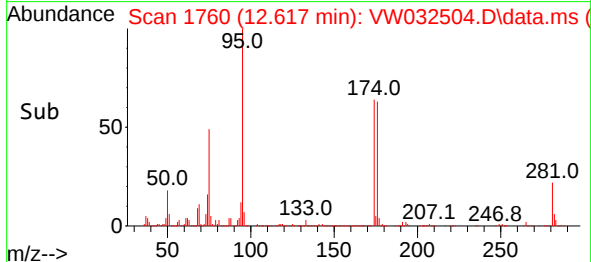
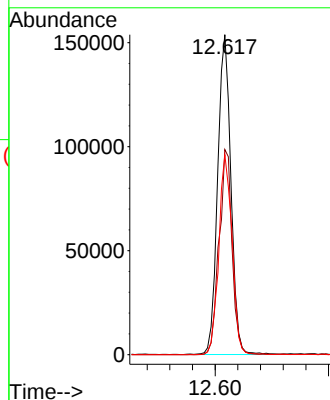
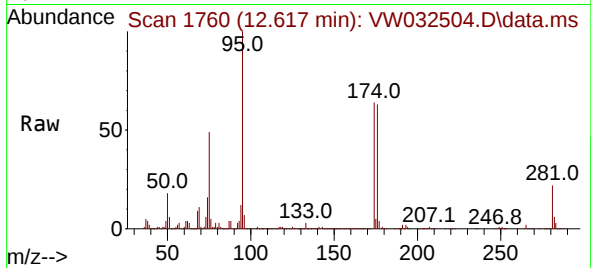




#62
4-Bromofluorobenzene
Concen: 59.514 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032504.D
Acq: 19 Nov 2025 15:49

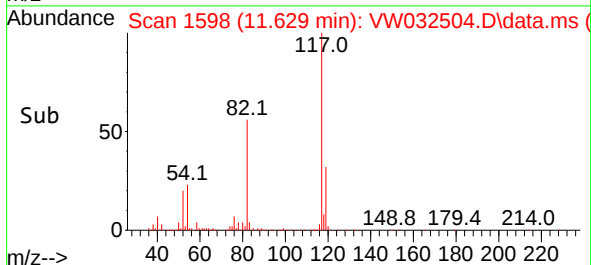
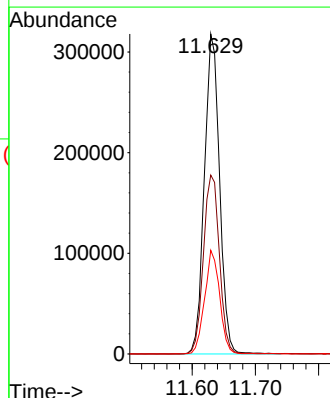
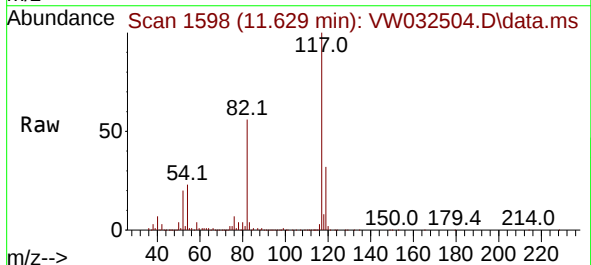
Instrument :
MSVOA_W
ClientSampleId :
GP-B1(12-16)

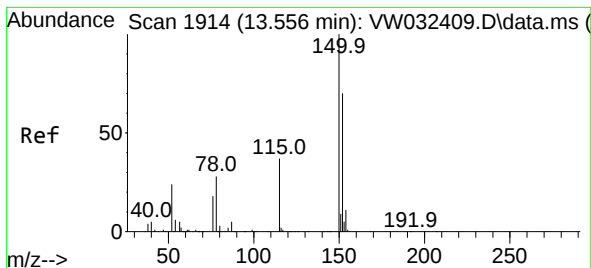
Tgt Ion: 95 Resp: 249326
Ion Ratio Lower Upper
95 100
174 63.4 0.0 135.4
176 63.1 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032504.D
Acq: 19 Nov 2025 15:49

Tgt Ion: 117 Resp: 532790
Ion Ratio Lower Upper
117 100
82 55.8 43.0 64.4
119 32.4 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: VW032504.D

Acq: 19 Nov 2025 15:49

Instrument :

MSVOA_W

ClientSampleId :

GP-B1(12-16)

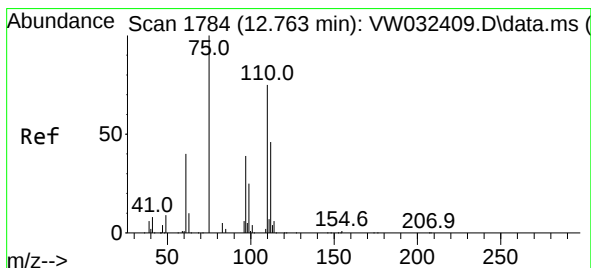
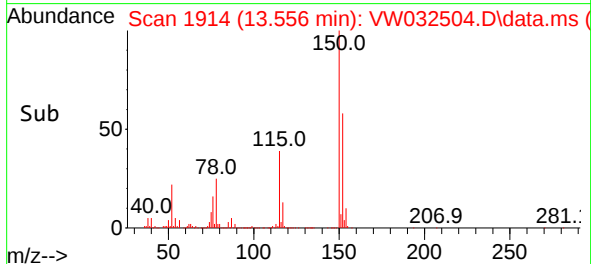
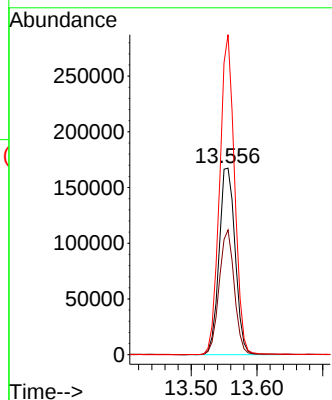
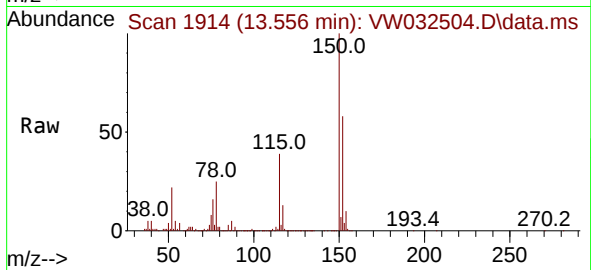
Tgt Ion:152 Resp: 284493

Ion Ratio Lower Upper

152 100

115 63.3 32.8 98.3

150 160.2 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 32.236 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032504.D

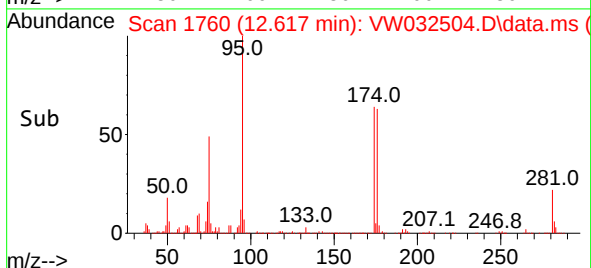
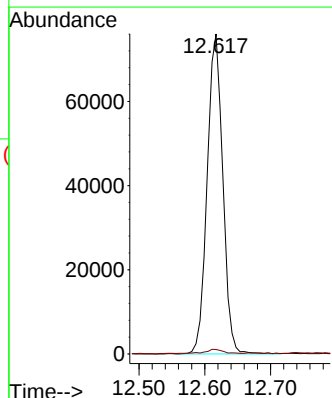
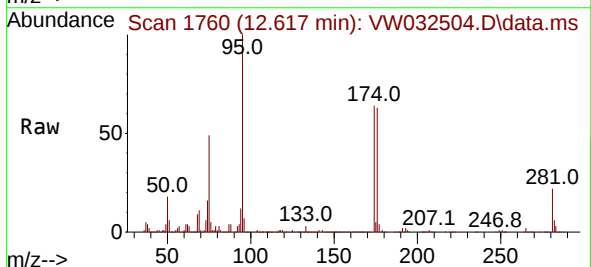
Acq: 19 Nov 2025 15:49

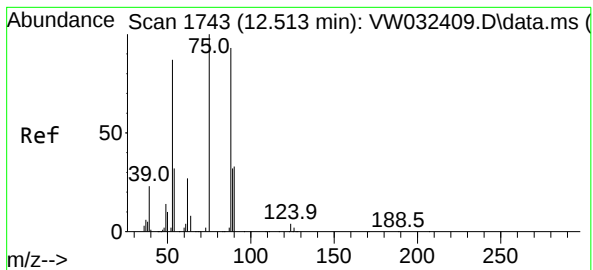
Tgt Ion: 75 Resp: 125747

Ion Ratio Lower Upper

75 100

77 1.7 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.834 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032504.D
 Acq: 19 Nov 2025 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B1(12-16)

Tgt Ion: 75 Resp: 125747
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 35.6 53.4#

