

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032557.D
 Acq On : 26 Nov 2025 20:07
 Operator : SY/MD
 Sample : Q3732-01
 Misc : 8.61g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 00:33:15 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	209070	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	527288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	575882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	293465	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	183655	68.136	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	136.280%
35) Dibromofluoromethane	7.898	113	157924	50.023	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	100.040%
50) Toluene-d8	10.325	98	538580	44.469	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	88.940%
62) 4-Bromofluorobenzene	12.617	95	271087	59.252	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	118.500%

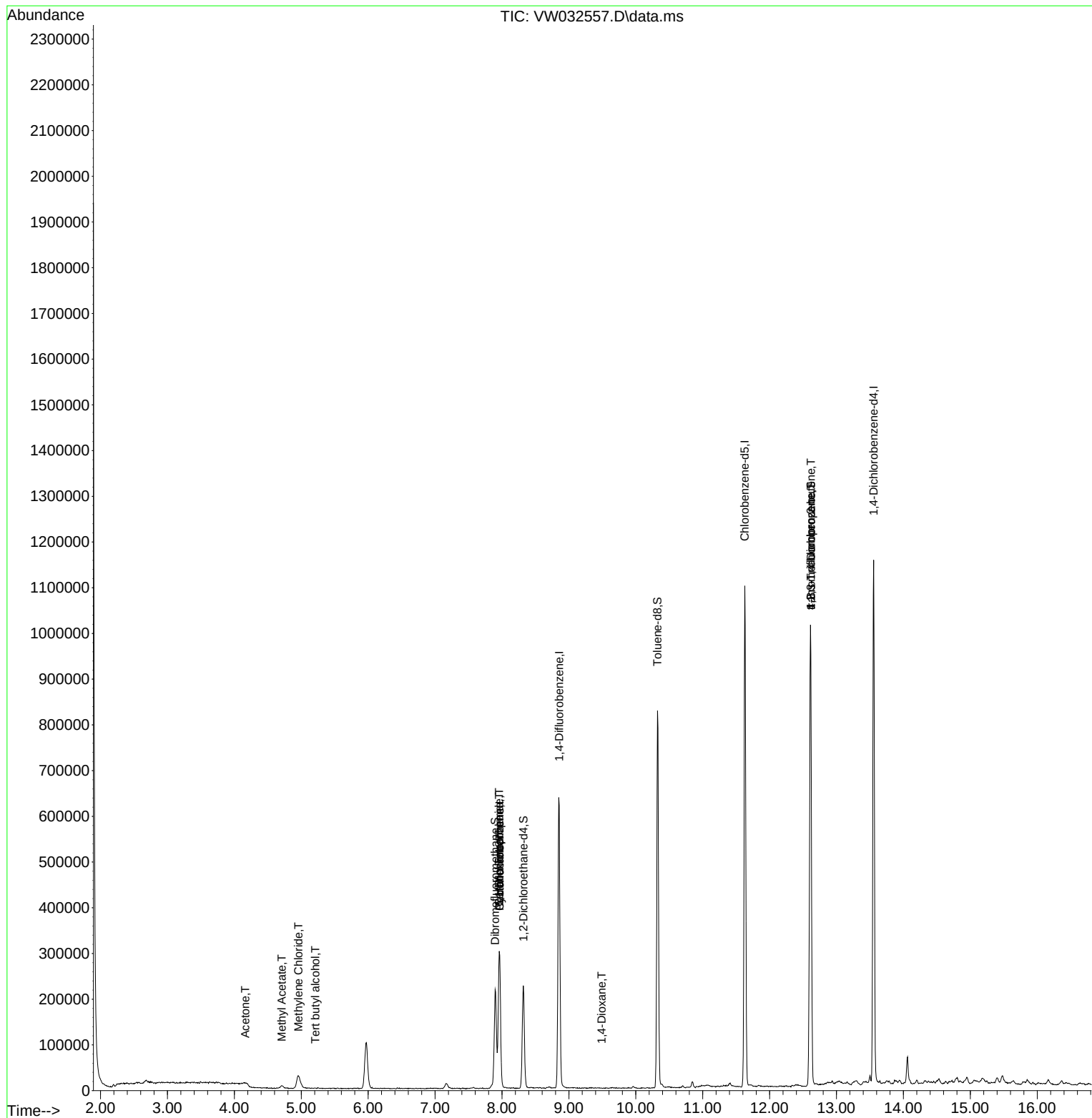
Target Compounds						Qvalue
11) Tert butyl alcohol	5.210	59	639	2.742	ug/l	# 1
16) Acetone	4.161	43	4072	5.050	ug/l	# 82
18) Methyl Acetate	4.710	43	13475	6.748	ug/l	93
20) Methylene Chloride	4.960	84	24430	8.471	ug/l	96
31) Cyclohexane	7.965	56	6168	1.383	ug/l	# 3
36) 1,1-Dichloropropene	7.959	75	19959	4.291	ug/l	# 52
38) Carbon Tetrachloride	7.959	117	24875	6.019	ug/l	# 18
49) 1,4-Dioxane	9.489	88	41	1.343	ug/l	# 1
76) 1,2,3-Trichloropropane	12.617	75	142322	35.369	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	142322	81.011	ug/l	# 11

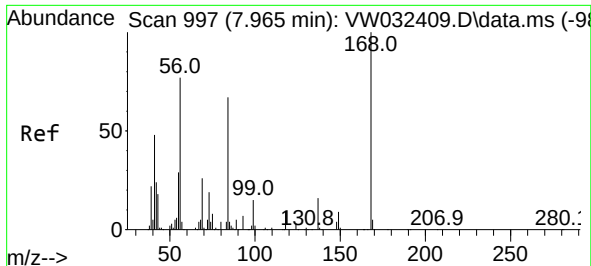
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 11 03:48:21 2025
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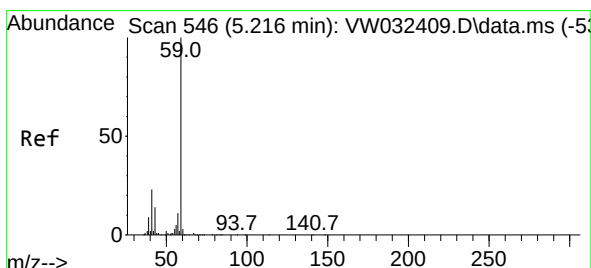
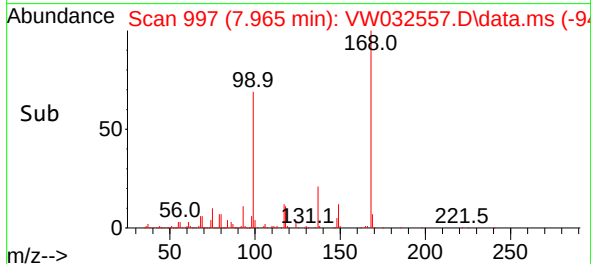
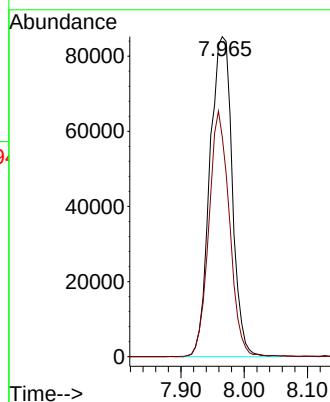
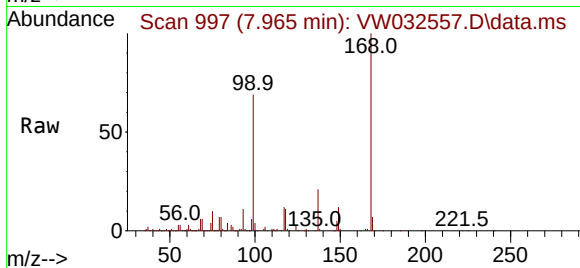




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

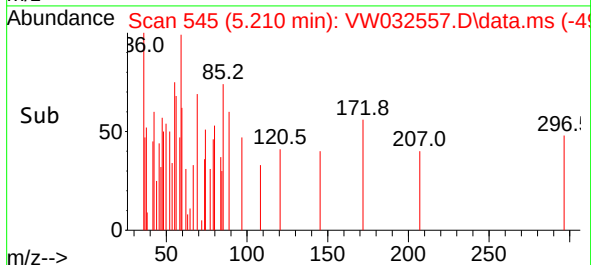
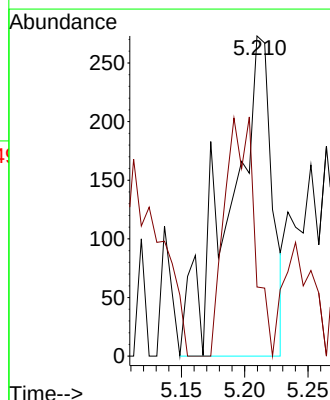
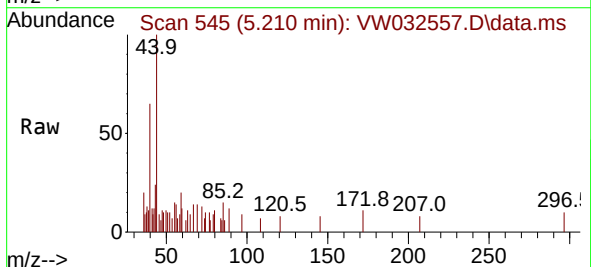
Instrument :
MSVOA_W
ClientSampleId :

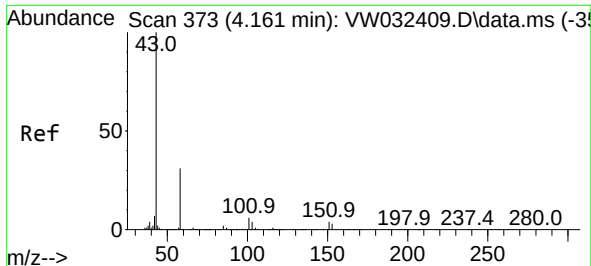
Tgt Ion:168 Resp: 209070
Ion Ratio Lower Upper
168 100
99 68.6 45.4 68.2#



#11
Tert butyl alcohol
Concen: 2.742 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

Tgt Ion: 59 Resp: 639
Ion Ratio Lower Upper
59 100
57 51.8 8.6 12.8#

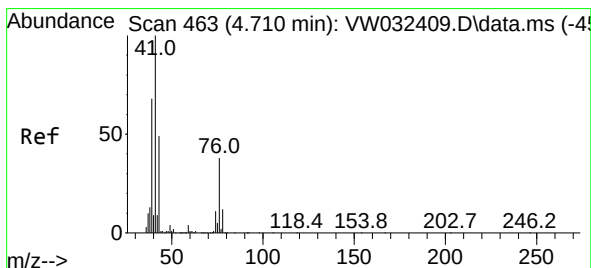
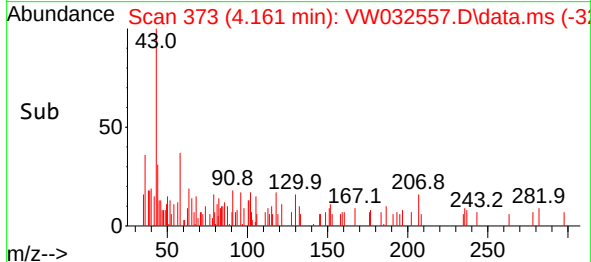
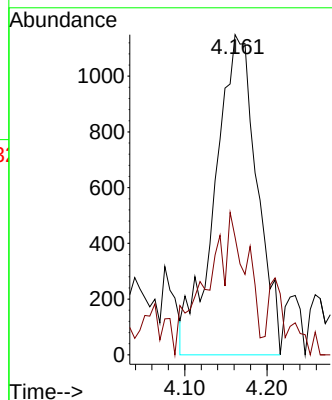
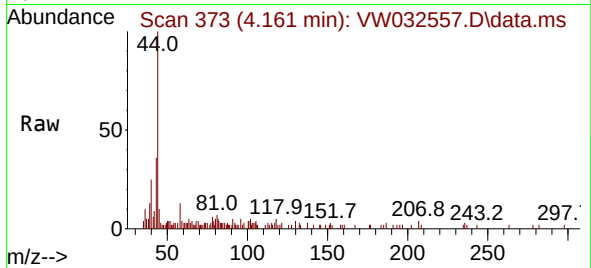




#16
Acetone
Concen: 5.050 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

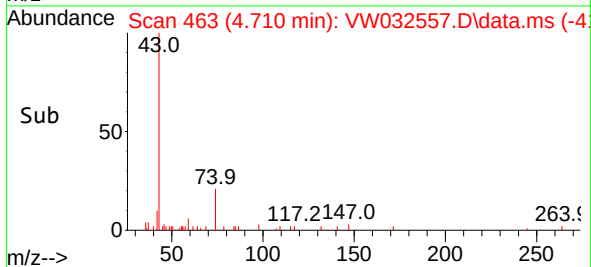
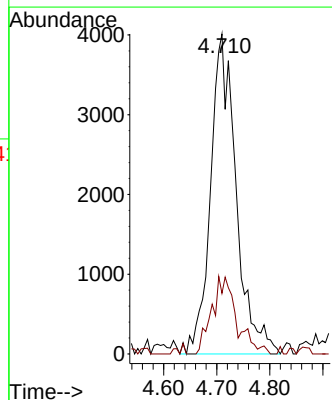
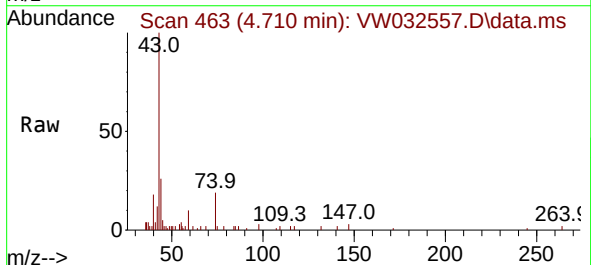
Instrument :
MSVOA_W
ClientSampleId :

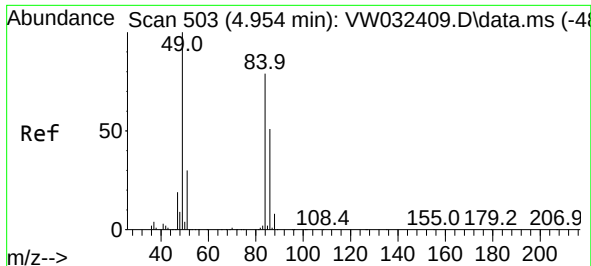
Tgt Ion: 43 Resp: 4072
Ion Ratio Lower Upper
43 100
58 21.3 24.8 37.2#



#18
Methyl Acetate
Concen: 6.748 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

Tgt Ion: 43 Resp: 13475
Ion Ratio Lower Upper
43 100
74 20.3 18.9 28.3



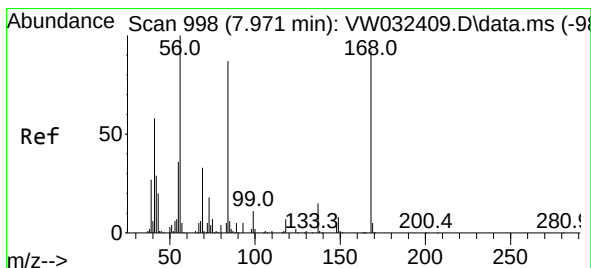
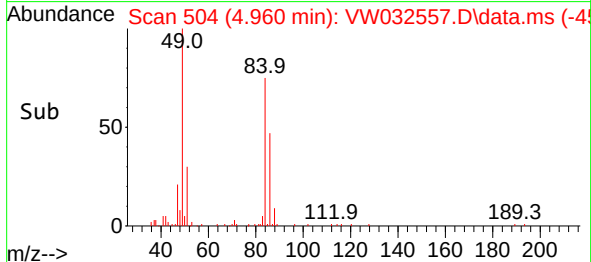
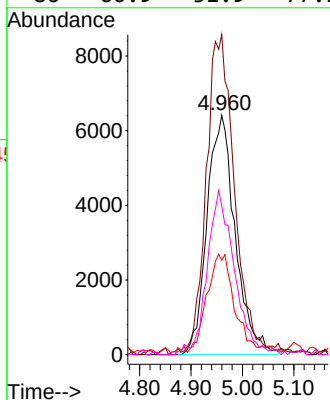
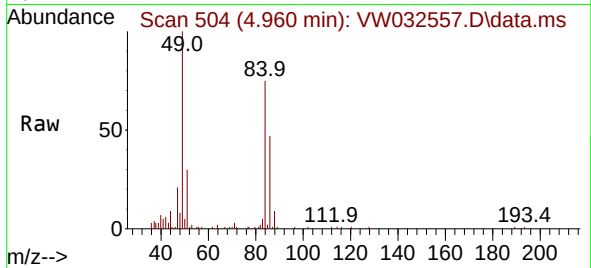


#20
Methylene Chloride
Concen: 8.471 ug/l
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 84 Resp: 24430

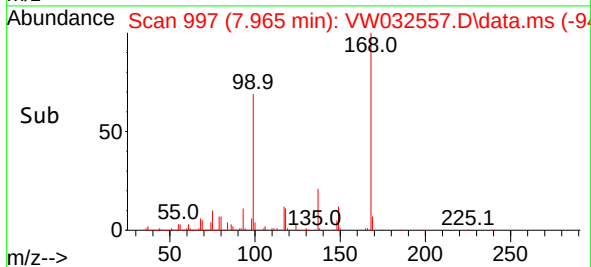
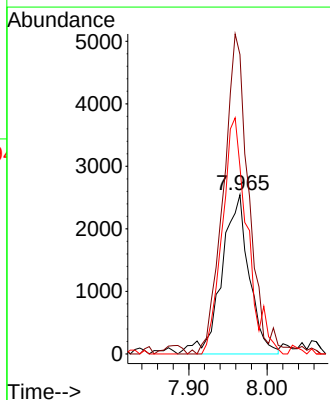
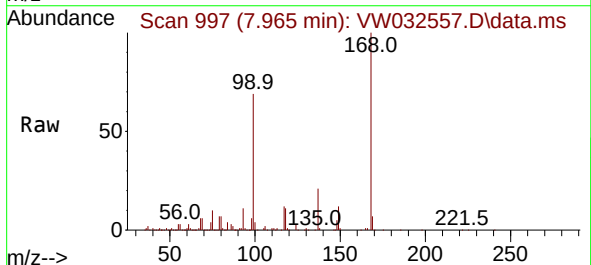
Ion	Ratio	Lower	Upper
84	100		
49	131.2	101.5	152.3
51	37.0	30.6	46.0
86	60.9	51.9	77.9

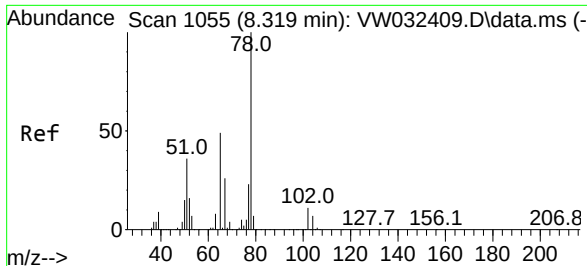


#31
Cyclohexane
Concen: 1.383 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

Tgt Ion: 56 Resp: 6168

Ion	Ratio	Lower	Upper
56	100		
69	182.7	26.5	39.7#
84	117.6	69.6	104.4#

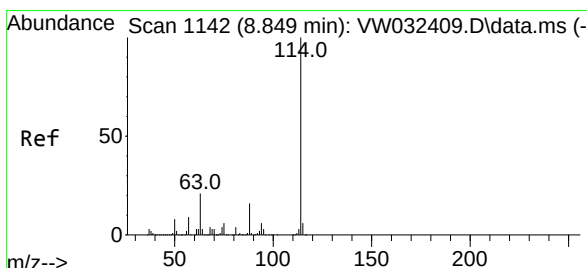
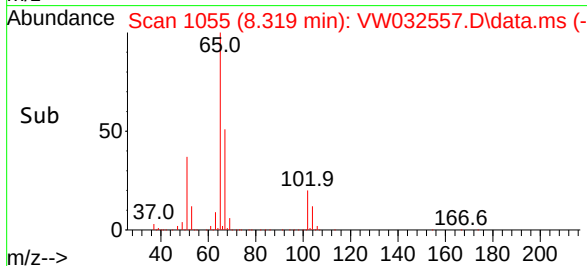
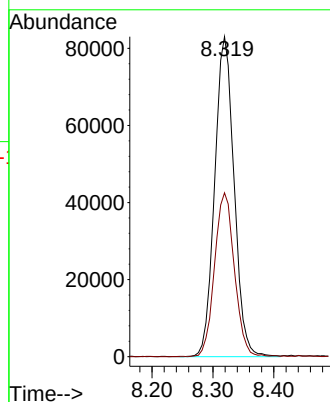
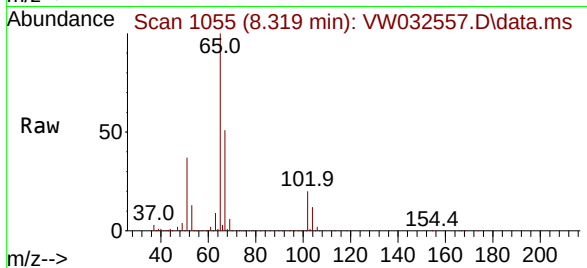




#33
 1,2-Dichloroethane-d4
 Concen: 68.136 ug/l
 RT: 8.319 min Scan# 1105
 Delta R.T. 0.000 min
 Lab File: VW032557.D
 Acq: 26 Nov 2025 20:07

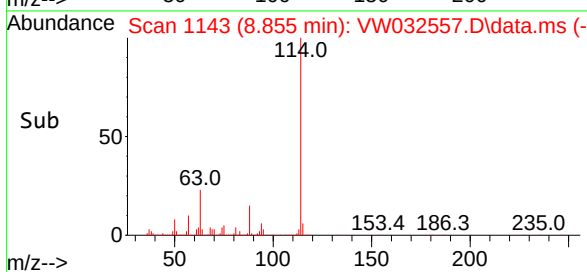
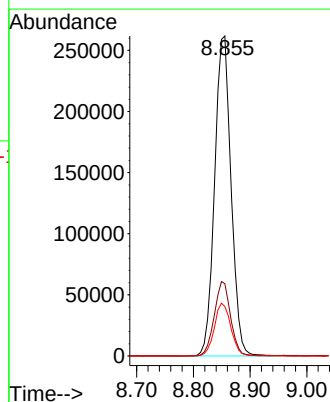
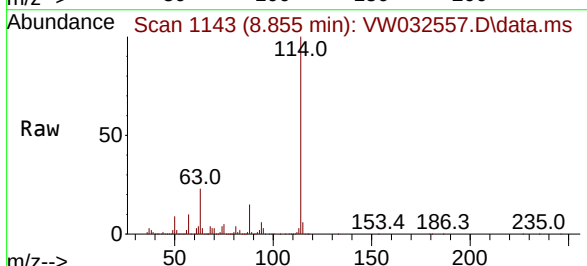
Instrument :
 MSVOA_W
 ClientSampleId :

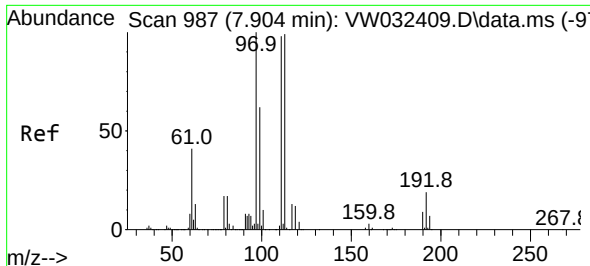
Tgt Ion: 65 Resp: 183655
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032557.D
 Acq: 26 Nov 2025 20:07

Tgt Ion: 114 Resp: 527288
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 41.8
 88 15.5 0.0 32.6

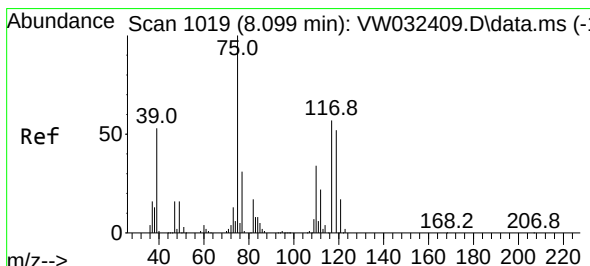
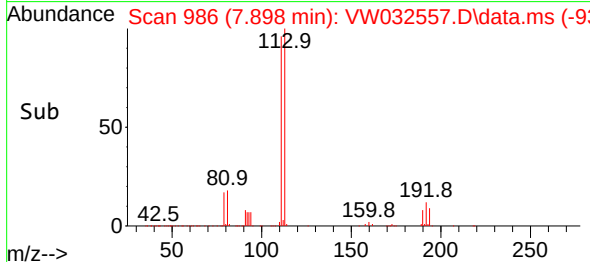
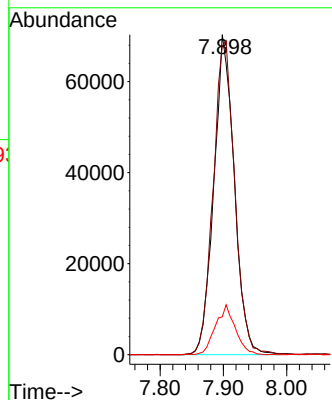
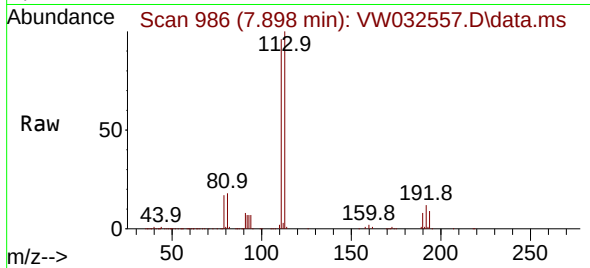




#35
 Dibromofluoromethane
 Concen: 50.023 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032557.D
 Acq: 26 Nov 2025 20:07

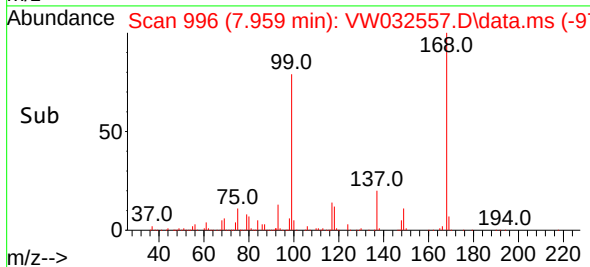
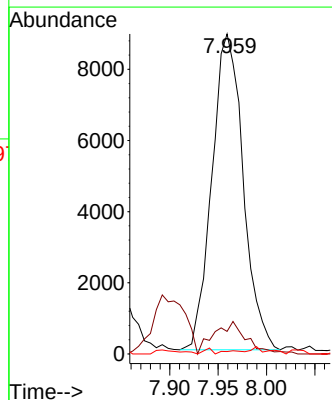
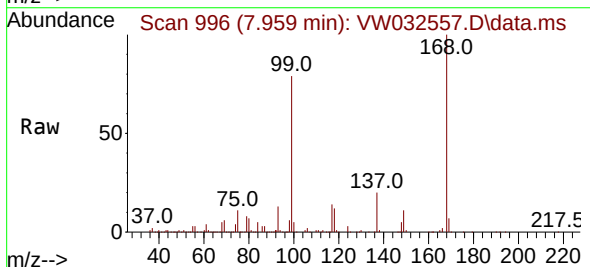
Instrument :
 MSVOA_W
 ClientSampleId :

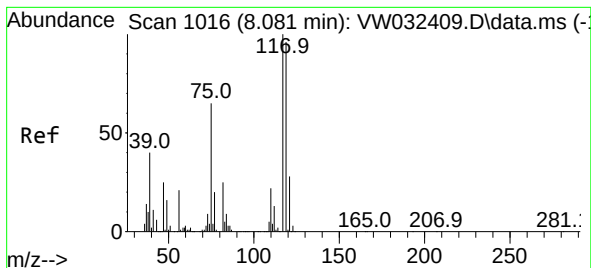
Tgt Ion:113 Resp: 157924
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.1 124.7
 192 15.1 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 4.291 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032557.D
 Acq: 26 Nov 2025 20:07

Tgt Ion: 75 Resp: 19959
 Ion Ratio Lower Upper
 75 100
 110 10.7 17.2 51.5#
 77 0.3 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.019 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

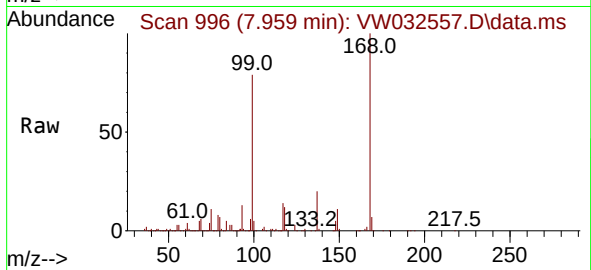
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Acq: 26 Nov 2025 20:07

Instrument :

MSVOA_W

ClientSampleId :



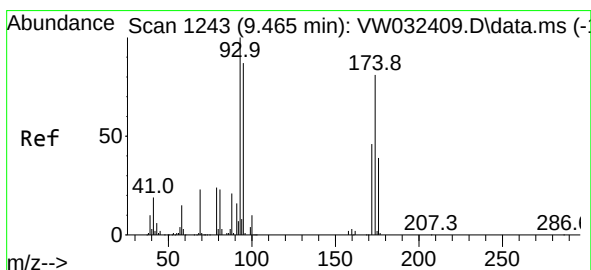
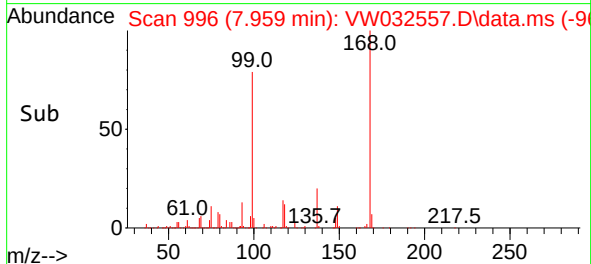
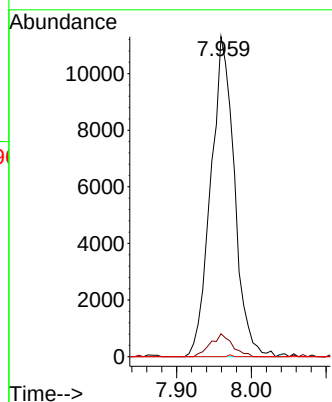
Tgt Ion:117 Resp: 24875

Ion Ratio Lower Upper

117 100

119 7.2 77.0 115.4#

121 0.0 22.0 33.0#



#49

1,4-Dioxane

Concen: 1.343 ug/l

RT: 9.489 min Scan# 1247

Delta R.T. 0.024 min

Lab File: VW032557.D

Acq: 26 Nov 2025 20:07

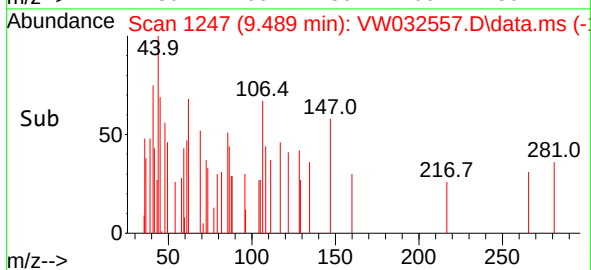
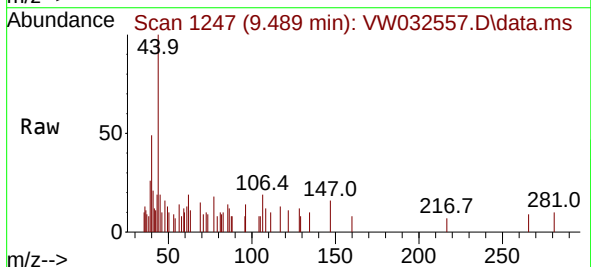
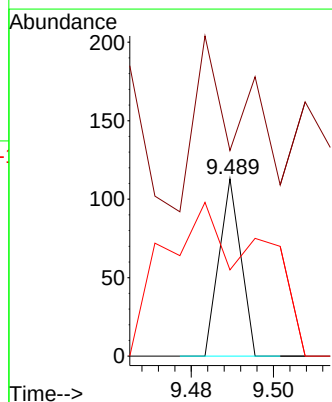
Tgt Ion: 88 Resp: 41

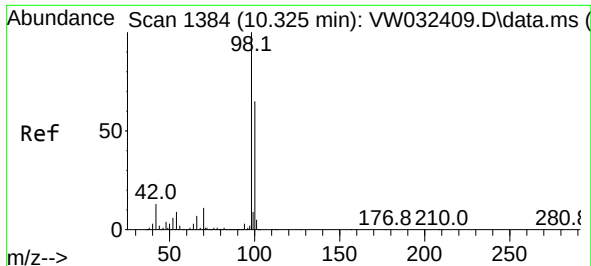
Ion Ratio Lower Upper

88 100

43 236.6 0.0 0.0#

58 387.8 63.0 94.4#

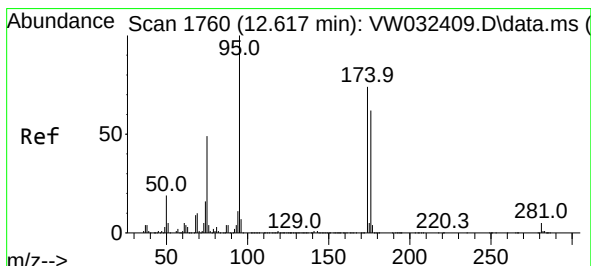
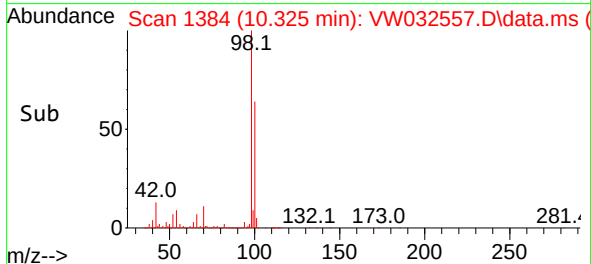
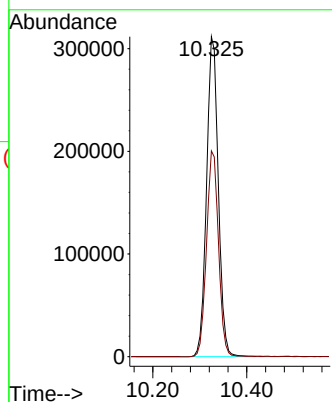
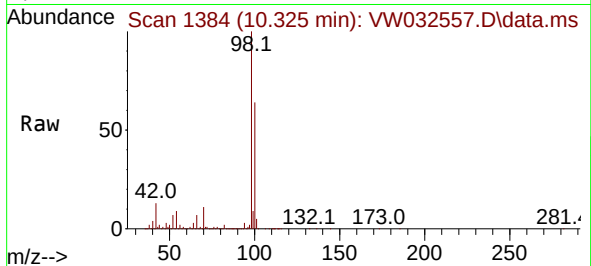




#50
Toluene-d8
Concen: 44.469 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

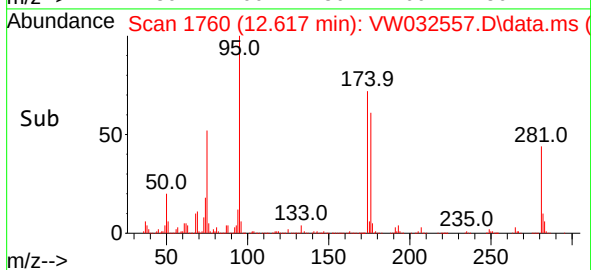
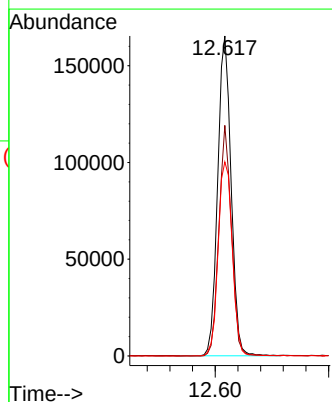
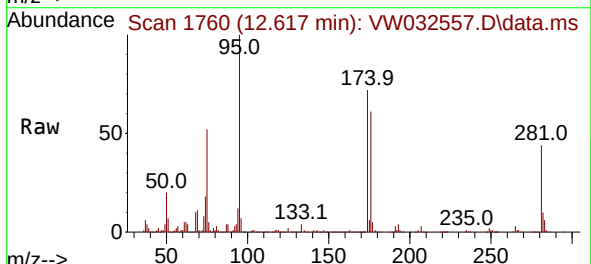
Instrument :
MSVOA_W
ClientSampleId :

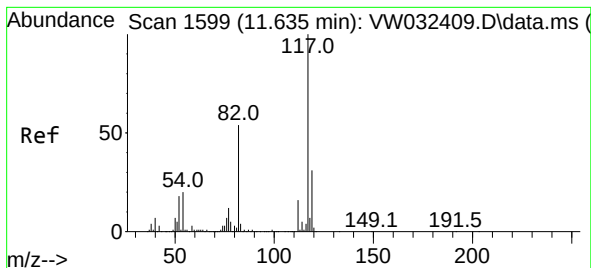
Tgt Ion: 98 Resp: 538580
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 59.252 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

Tgt Ion: 95 Resp: 271087
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.4
176 64.0 0.0 131.8

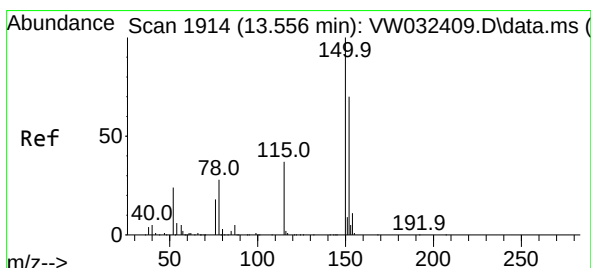
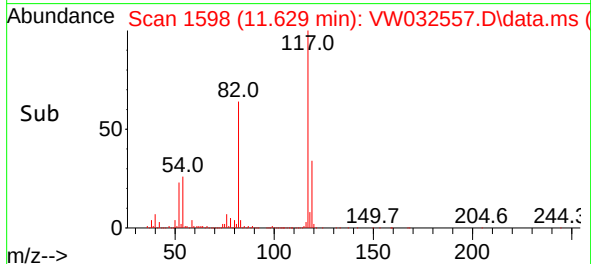
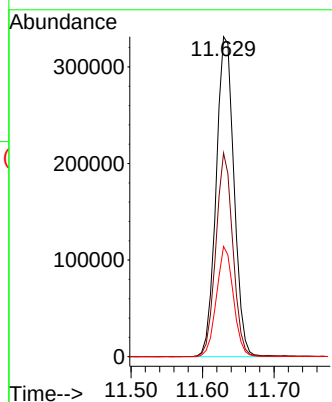
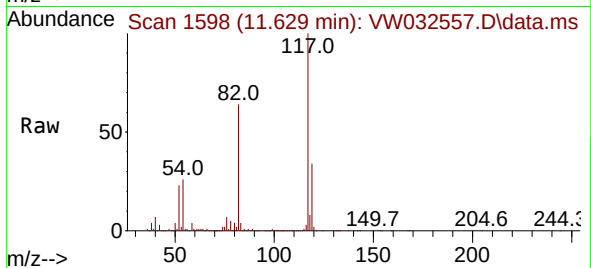




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

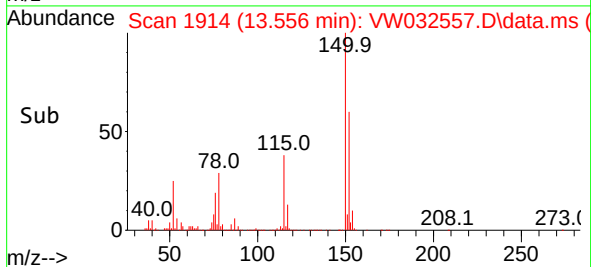
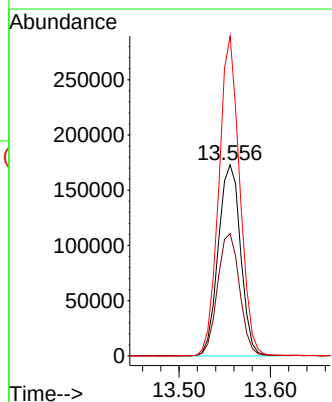
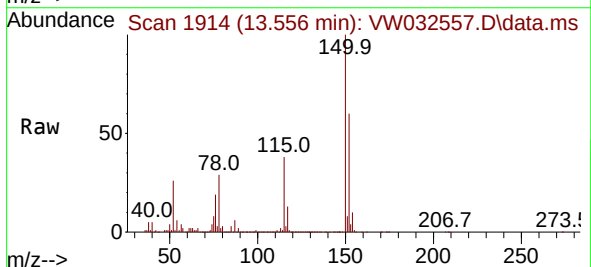
Instrument :
MSVOA_W
ClientSampleId :

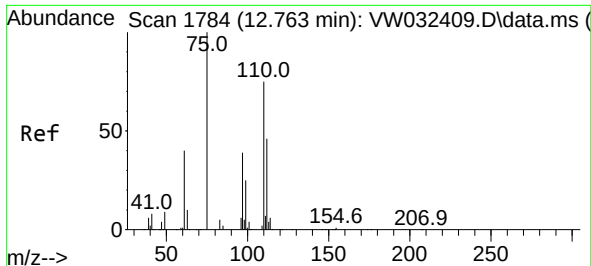
Tgt Ion:117 Resp: 575882
Ion Ratio Lower Upper
117 100
82 63.6 43.0 64.4
119 34.4 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

Tgt Ion:152 Resp: 293465
Ion Ratio Lower Upper
152 100
115 63.6 32.8 98.3
150 156.6 0.0 356.6

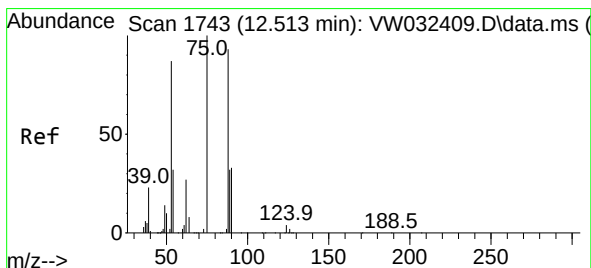
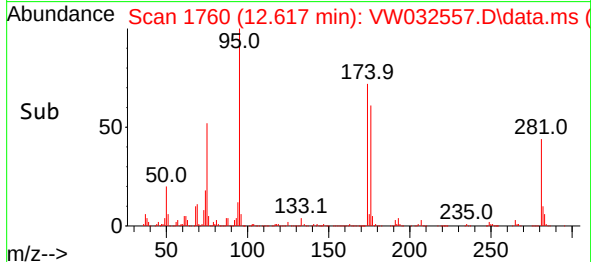
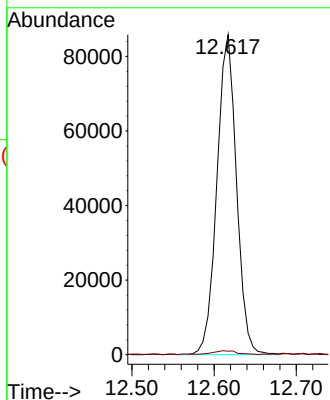
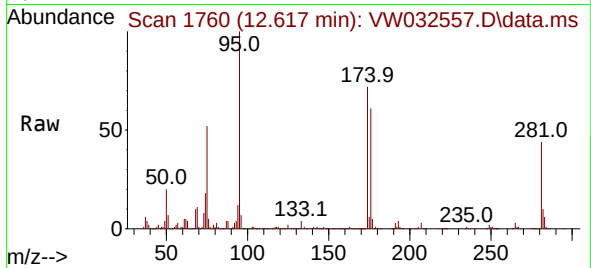




#76
1,2,3-Trichloropropane
Concen: 35.369 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 142322
Ion Ratio Lower Upper
75 100
77 1.4 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.011 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

Tgt Ion: 75 Resp: 142322
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.0 35.6 53.4#

