

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
 Data File : VW032591.D
 Acq On : 08 Dec 2025 13:22
 Operator : SY/MD
 Sample : Q3806-06
 Misc : 5.39g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-12-5-2025

Quant Time: Dec 09 02:18:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

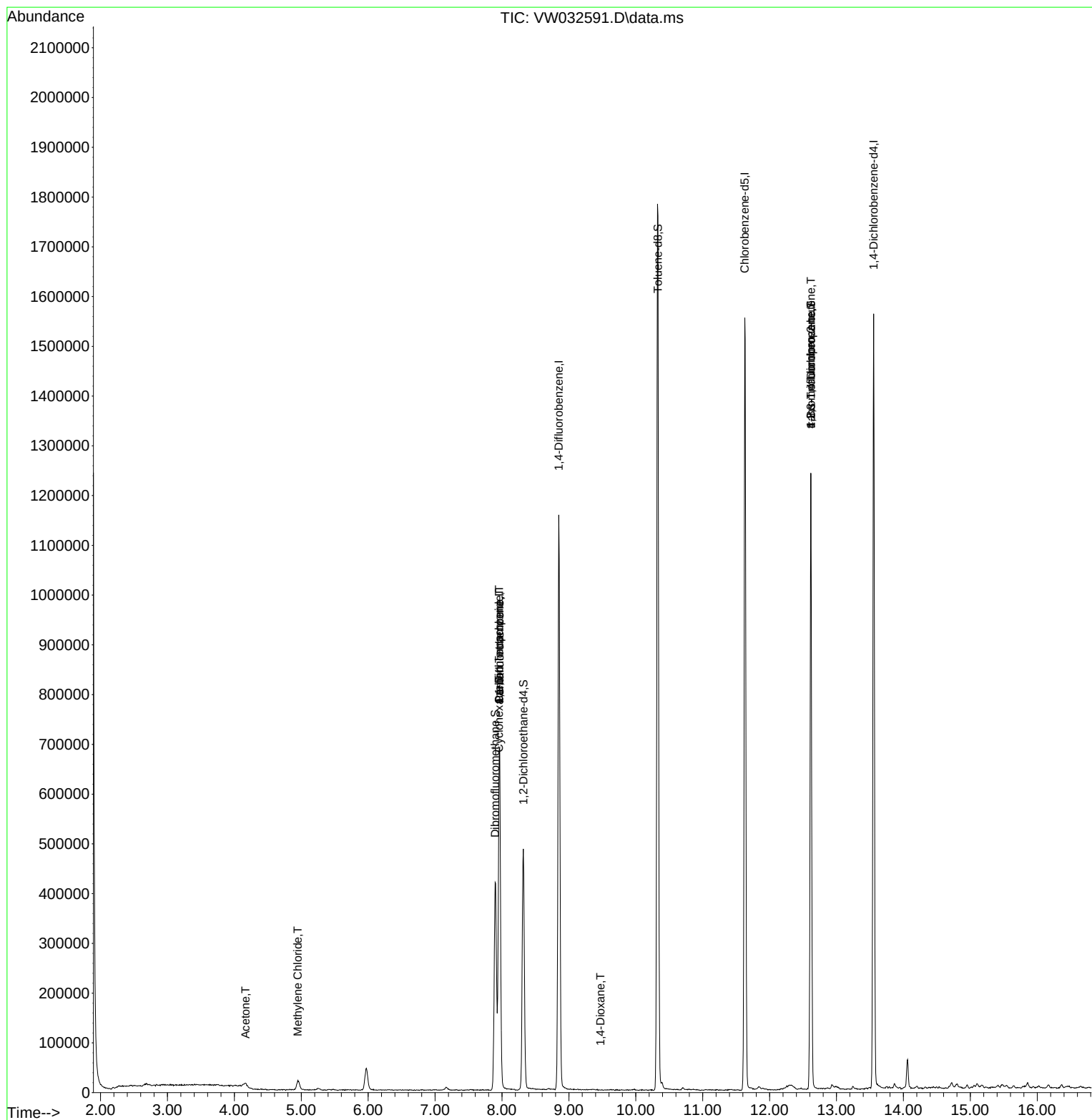
Internal Standards						
1) Pentafluorobenzene	7.965	168	483056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	938173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	820895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	383155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	400088	55.654	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 111.300%		
35) Dibromofluoromethane	7.898	113	313523	50.783	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 101.560%		
50) Toluene-d8	10.331	98	1177416	50.682	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 101.360%		
62) 4-Bromofluorobenzene	12.617	95	417801	48.678	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 97.360%		
Target Compounds						Qvalue
16) Acetone	4.167	43	10818	4.816	ug/l	97
20) Methylene Chloride	4.948	84	14841	1.847	ug/l	89
31) Cyclohexane	7.953	56	12376	1.074	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	46112	4.897	ug/l #	50
38) Carbon Tetrachloride	7.959	117	53990	6.171	ug/l #	17
49) 1,4-Dioxane	9.471	88	55	1.068	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	215702	41.604	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	215702	97.851	ug/l #	10

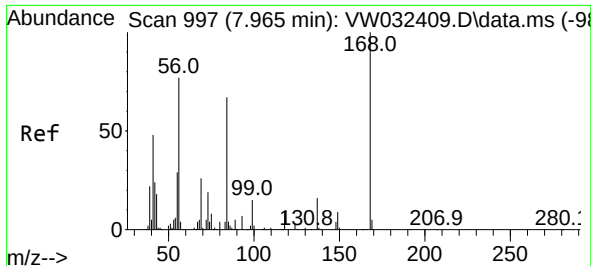
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

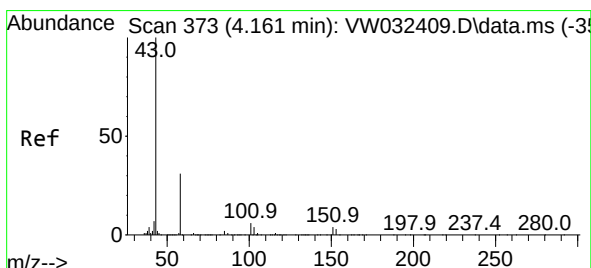
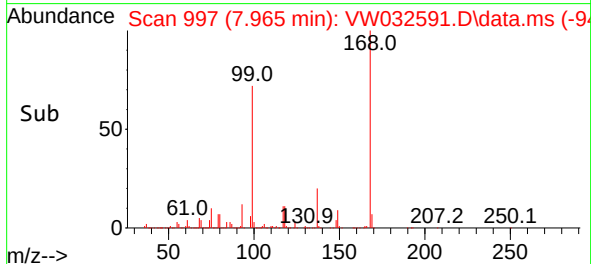
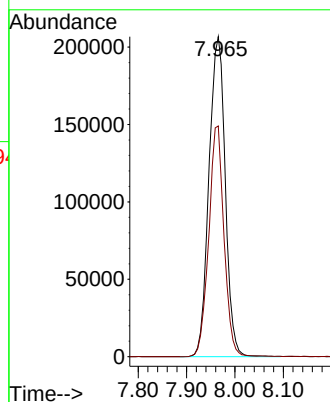
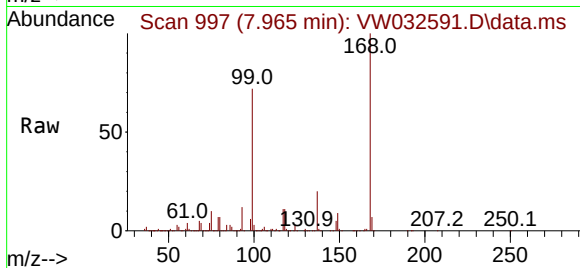




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032591.D
Acq: 08 Dec 2025 13:22

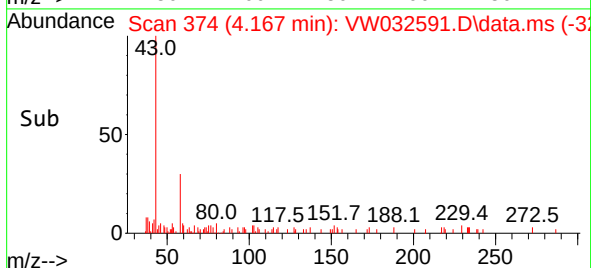
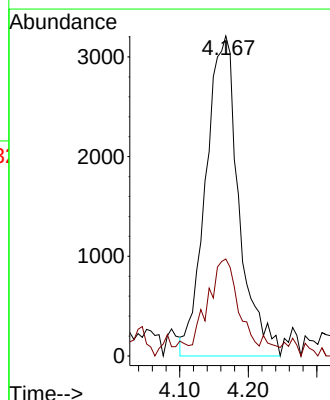
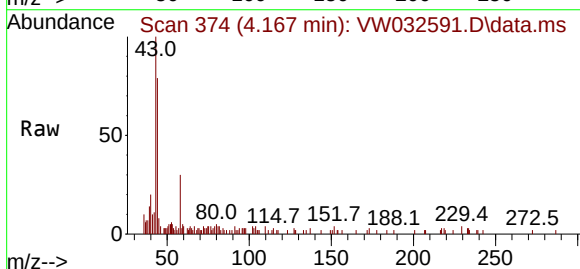
Instrument :
MSVOA_W
ClientSampleId :
TR-05-12-5-2025

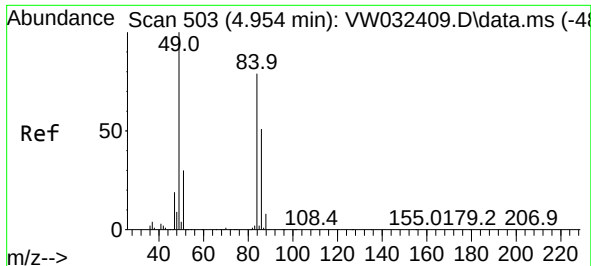
Tgt Ion:168 Resp: 483056
Ion Ratio Lower Upper
168 100
99 72.1 51.8 77.8



#16
Acetone
Concen: 4.816 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032591.D
Acq: 08 Dec 2025 13:22

Tgt Ion: 43 Resp: 10818
Ion Ratio Lower Upper
43 100
58 27.7 23.5 35.3



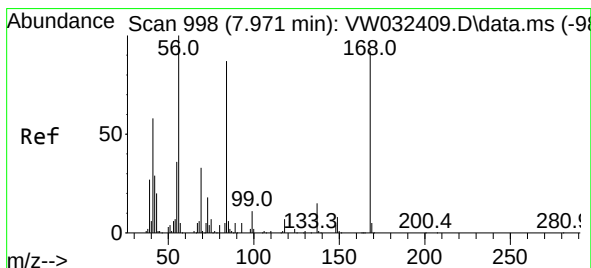
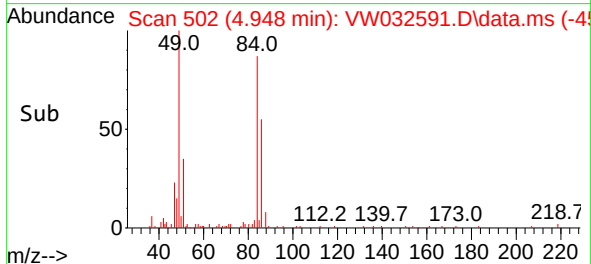
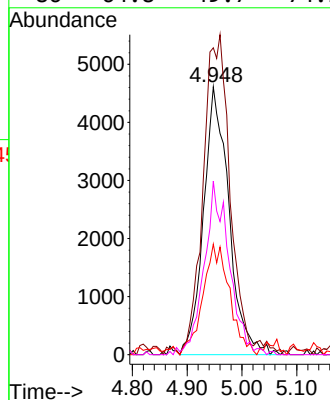
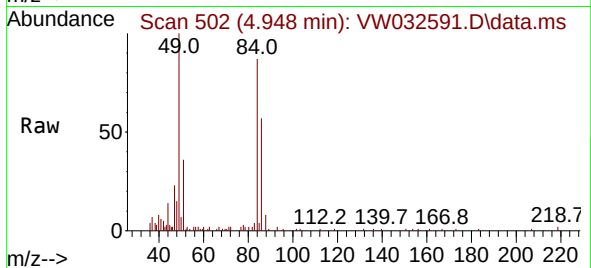


#20
Methylene Chloride
Concen: 1.847 ug/l
RT: 4.948 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032591.D
Acq: 08 Dec 2025 13:22

Instrument :
MSVOA_W
ClientSampleId :
TR-05-12-5-2025

Tgt Ion: 84 Resp: 14841

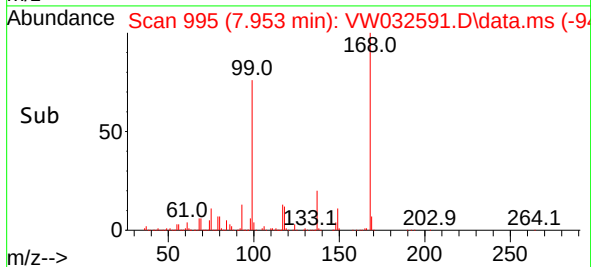
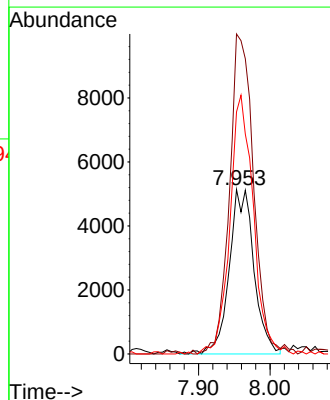
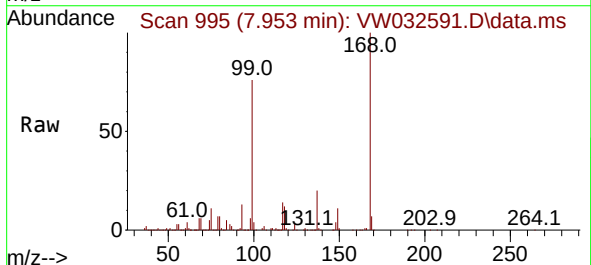
Ion	Ratio	Lower	Upper
84	100		
49	114.5	107.6	161.4
51	41.3	33.9	50.9
86	64.8	49.7	74.5

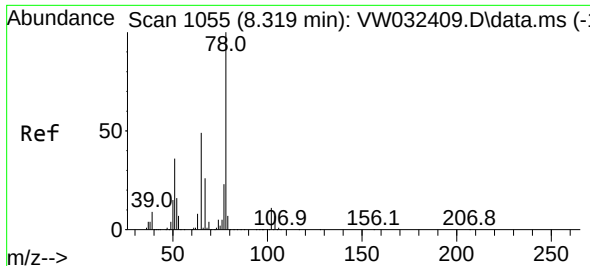


#31
Cyclohexane
Concen: 1.074 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032591.D
Acq: 08 Dec 2025 13:22

Tgt Ion: 56 Resp: 12376

Ion	Ratio	Lower	Upper
56	100		
69	193.4	27.3	40.9#
84	146.0	67.5	101.3#

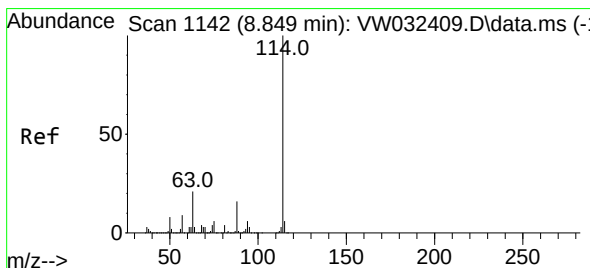
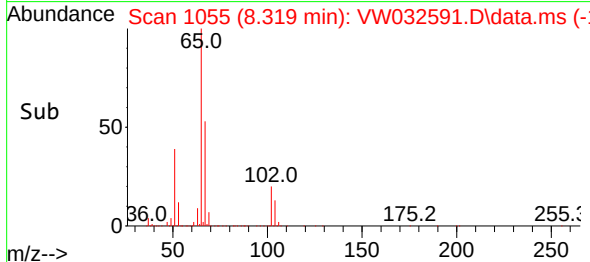
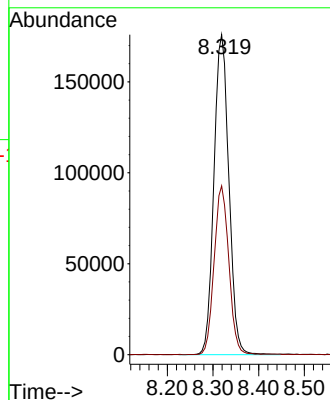
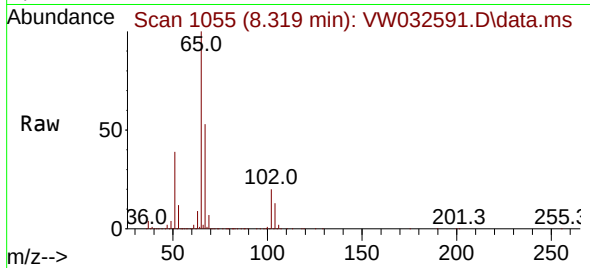




#33
 1,2-Dichloroethane-d4
 Concen: 55.654 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032591.D
 Acq: 08 Dec 2025 13:22

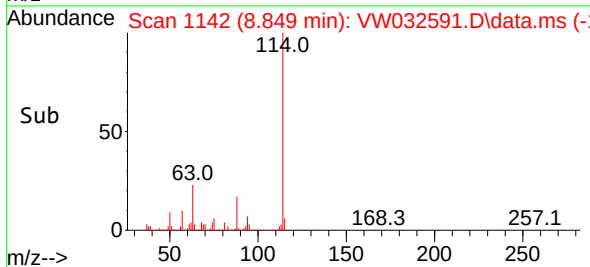
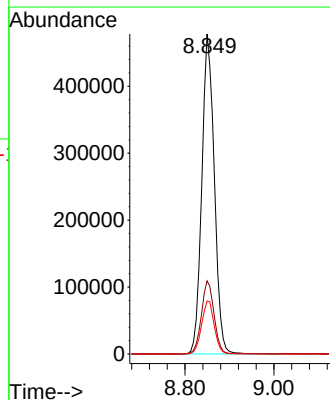
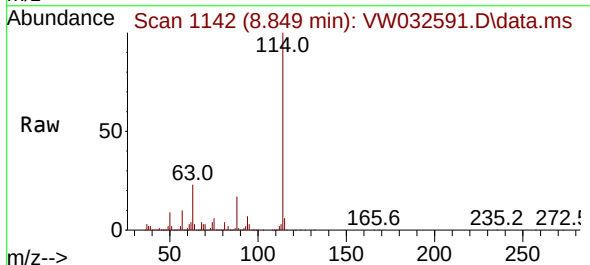
Instrument : MSVOA_W
 ClientSampleId : TR-05-12-5-2025

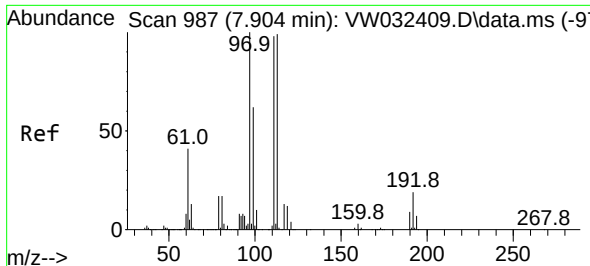
Tgt Ion: 65 Resp: 400088
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032591.D
 Acq: 08 Dec 2025 13:22

Tgt Ion: 114 Resp: 938173
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 40.6
 88 16.6 0.0 31.2

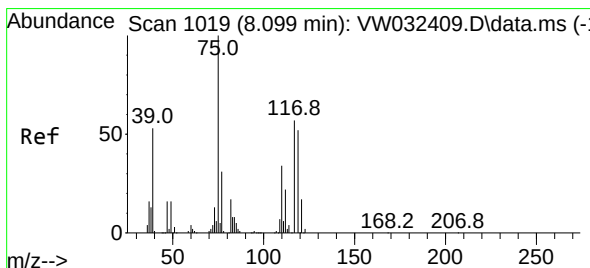
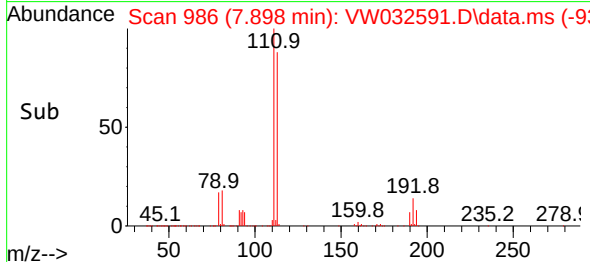
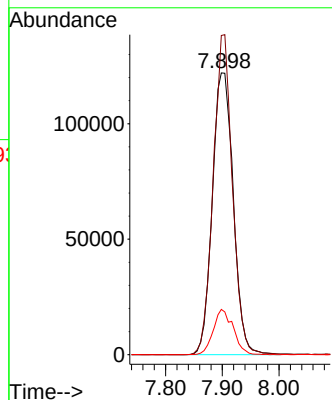
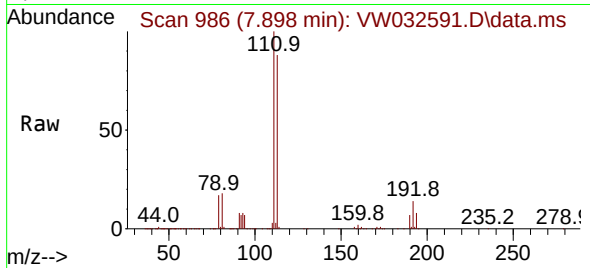




#35
Dibromofluoromethane
Concen: 50.783 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032591.D
Acq: 08 Dec 2025 13:22

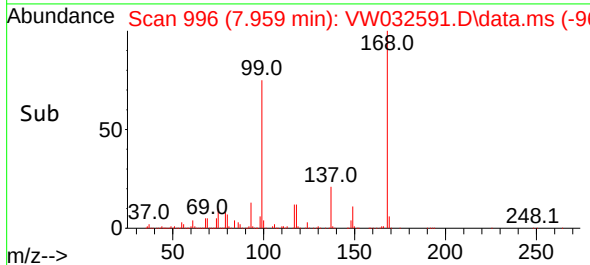
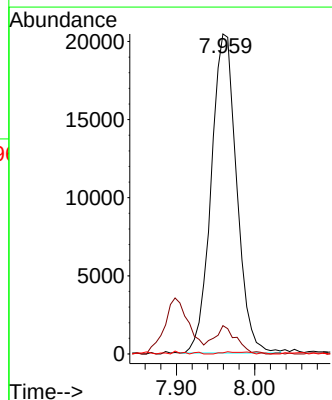
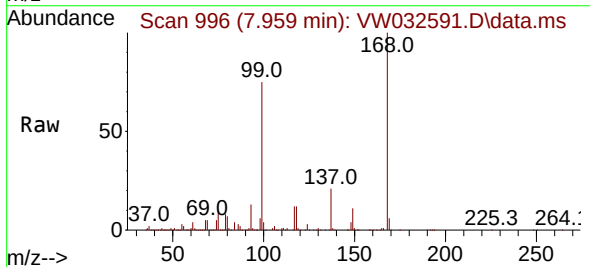
Instrument :
MSVOA_W
ClientSampleId :
TR-05-12-5-2025

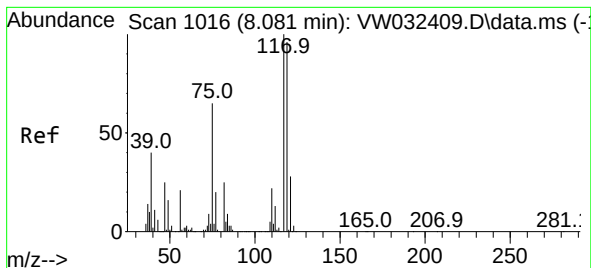
Tgt Ion:113 Resp: 313523
Ion Ratio Lower Upper
113 100
111 104.1 83.4 125.0
192 15.3 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.897 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032591.D
Acq: 08 Dec 2025 13:22

Tgt Ion: 75 Resp: 46112
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.6#
77 0.5 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.171 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032591.D

Acq: 08 Dec 2025 13:22

Instrument :

MSVOA_W

ClientSampleId :

TR-05-12-5-2025

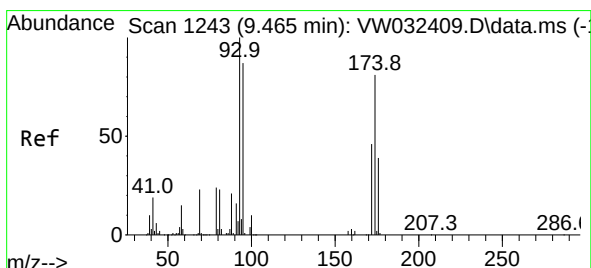
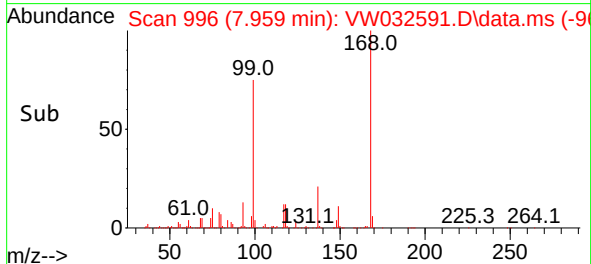
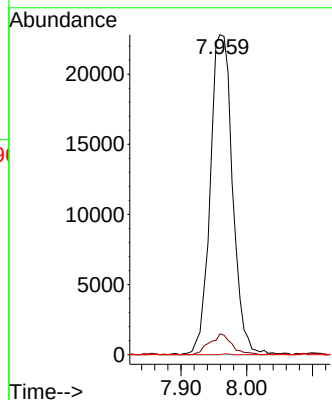
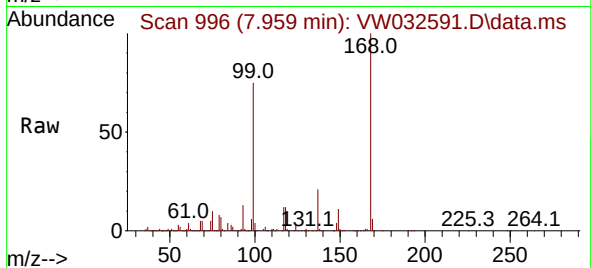
Tgt Ion:117 Resp: 53990

Ion Ratio Lower Upper

117 100

119 6.5 76.9 115.3#

121 0.0 25.4 38.2#



#49

1,4-Dioxane

Concen: 1.068 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.012 min

Lab File: VW032591.D

Acq: 08 Dec 2025 13:22

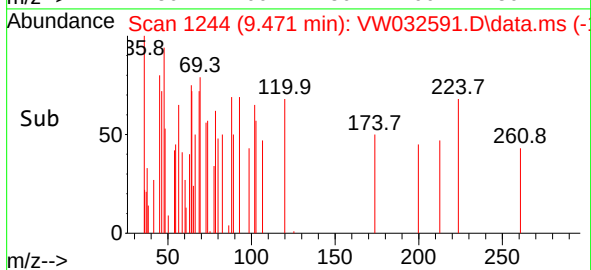
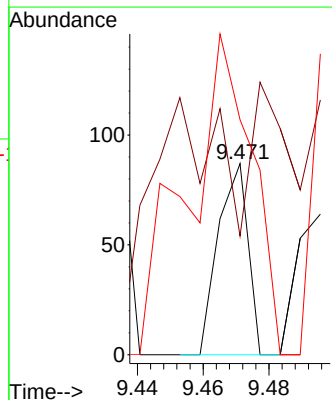
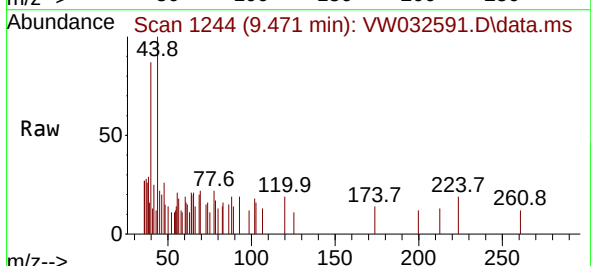
Tgt Ion: 88 Resp: 55

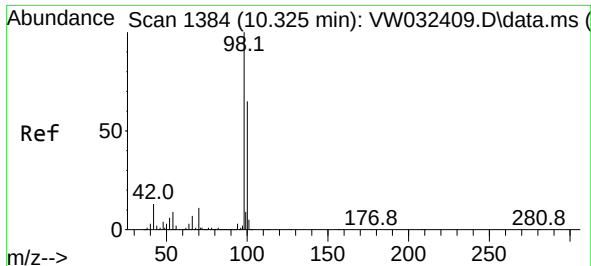
Ion Ratio Lower Upper

88 100

43 176.4 0.0 0.0#

58 363.6 65.2 97.8#

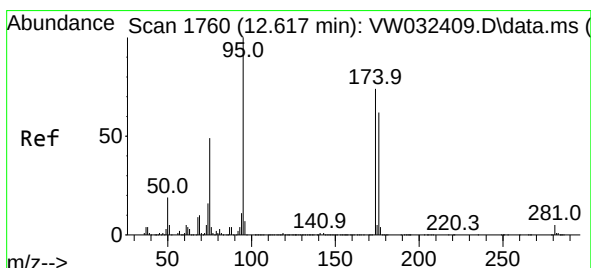
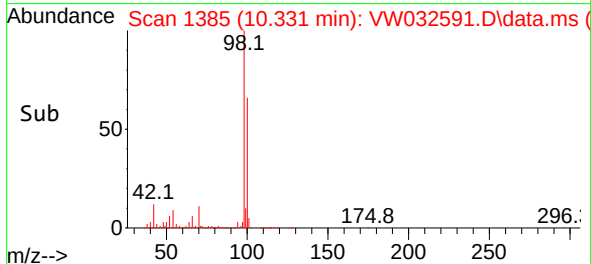
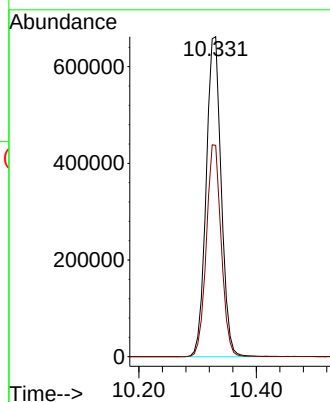
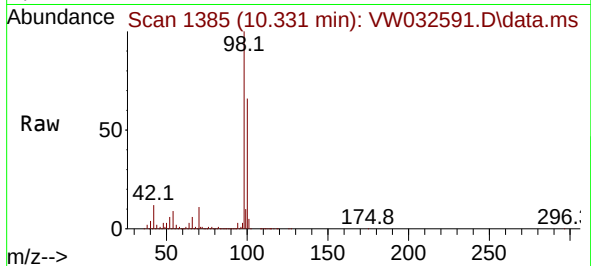




#50
Toluene-d8
Concen: 50.682 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032591.D
Acq: 08 Dec 2025 13:22

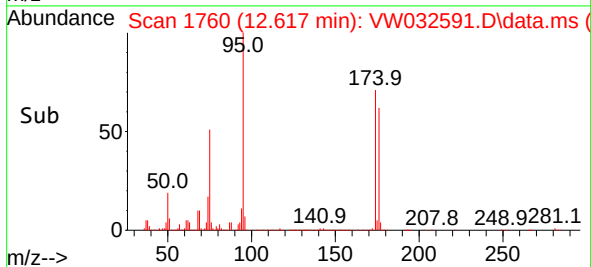
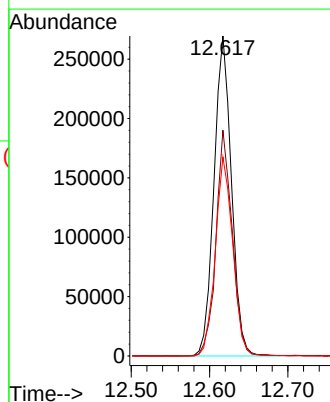
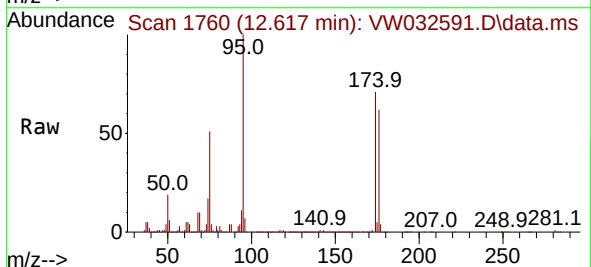
Instrument :
MSVOA_W
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TR-05-12-5-2025

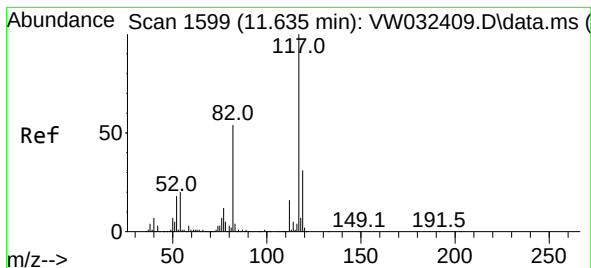
Tgt Ion: 98 Resp: 1177416
Ion Ratio Lower Upper
98 100
100 65.5 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 48.678 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032591.D
Acq: 08 Dec 2025 13:22

Tgt Ion: 95 Resp: 417801
Ion Ratio Lower Upper
95 100
174 66.1 0.0 141.2
176 62.4 0.0 130.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032591.D

Acq: 08 Dec 2025 13:22

Instrument :

MSVOA_W

ClientSampleId :

TR-05-12-5-2025

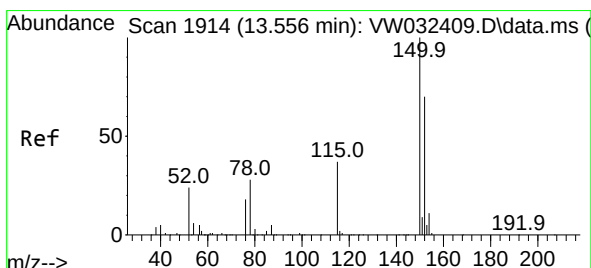
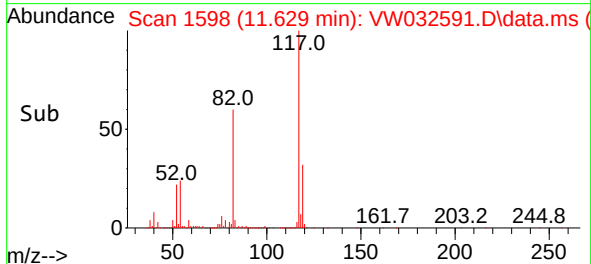
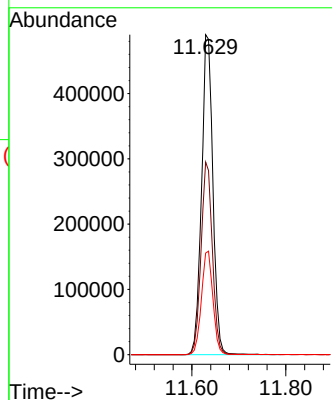
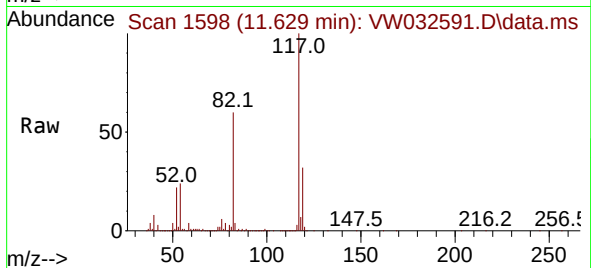
Tgt Ion:117 Resp: 820895

Ion Ratio Lower Upper

117 100

82 60.2 45.9 68.9

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032591.D

Acq: 08 Dec 2025 13:22

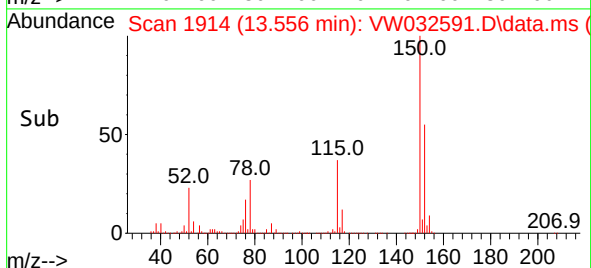
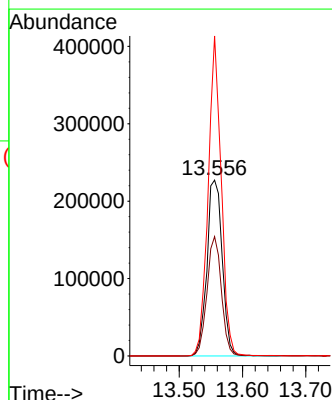
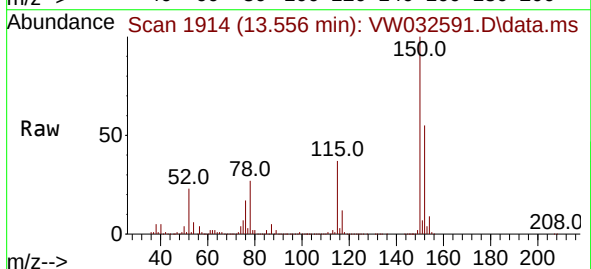
Tgt Ion:152 Resp: 383155

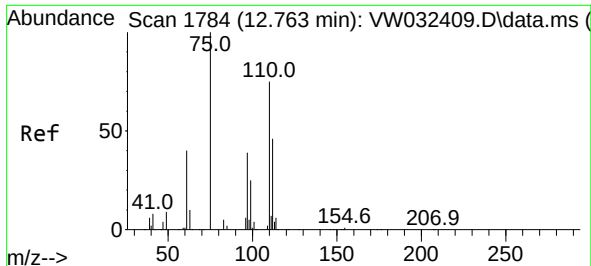
Ion Ratio Lower Upper

152 100

115 63.9 31.1 93.3

150 155.6 0.0 351.2

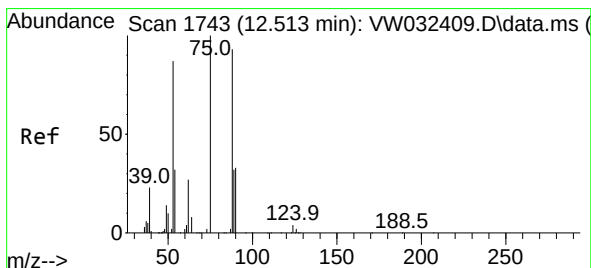
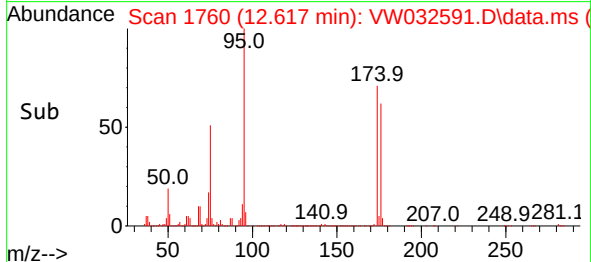
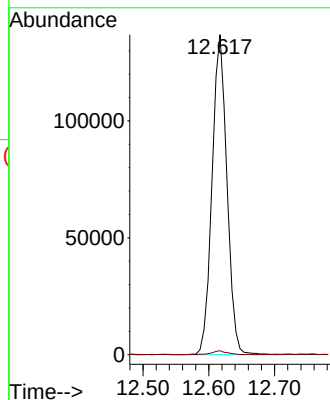
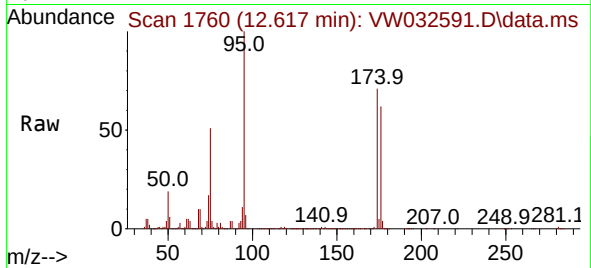




#76
1,2,3-Trichloropropane
Concen: 41.604 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032591.D
Acq: 08 Dec 2025 13:22

Instrument :
MSVOA_W
ClientSampleId :
TR-05-12-5-2025

Tgt Ion: 75 Resp: 215702
Ion Ratio Lower Upper
75 100
77 1.4 148.2 444.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.851 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032591.D
Acq: 08 Dec 2025 13:22

Tgt Ion: 75 Resp: 215702
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 31.4 47.2#

