

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
 Data File : VW032595.D
 Acq On : 08 Dec 2025 14:49
 Operator : SY/MD
 Sample : Q3806-03
 Misc : 6.52g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-01-12-5-2025

Quant Time: Dec 09 02:19:29 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)

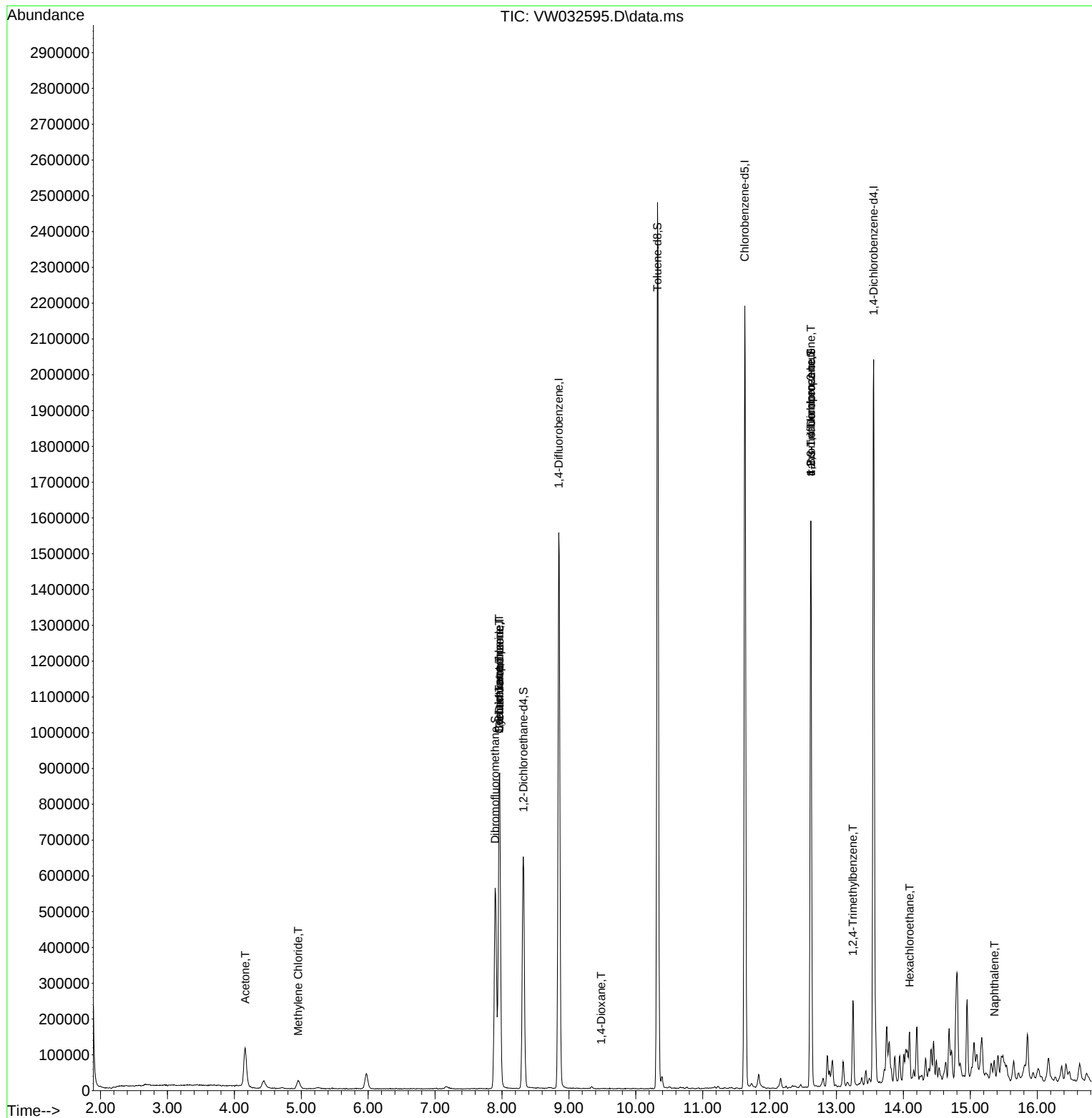
Internal Standards						
1) Pentafluorobenzene	7.965	168	618539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	1268535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	1159962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	522071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	533574	57.965	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 115.940%			
35) Dibromofluoromethane	7.898	113	424518	50.854	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 101.700%			
50) Toluene-d8	10.325	98	1596666	50.830	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.660%			
62) 4-Bromofluorobenzene	12.617	95	553525	47.696	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 95.400%			
Target Compounds					Qvalue	
16) Acetone	4.161	43	206830	71.906	ug/l	97
20) Methylene Chloride	4.954	84	18921	1.839	ug/l #	95
31) Cyclohexane	7.959	56	17106	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	57714	4.533	ug/l #	50
38) Carbon Tetrachloride	7.959	117	69494	5.875	ug/l #	17
49) 1,4-Dioxane	9.483	88	98	1.407	ug/l #	6
76) 1,2,3-Trichloropropane	12.617	75	281124	39.794	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	281124	93.596	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.245	105	129133	3.912	ug/l	99
90) Hexachloroethane	14.092	117	7510	1.133	ug/l #	21
95) Naphthalene	15.360	128	36638	1.620	ug/l	96

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

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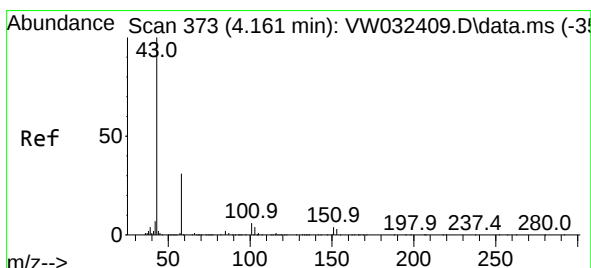
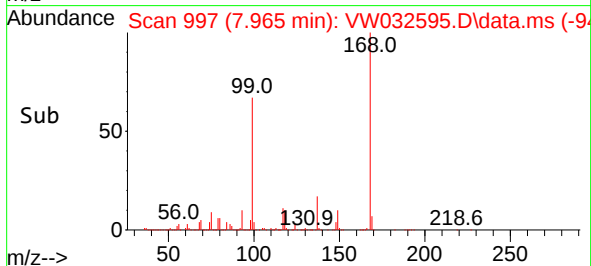
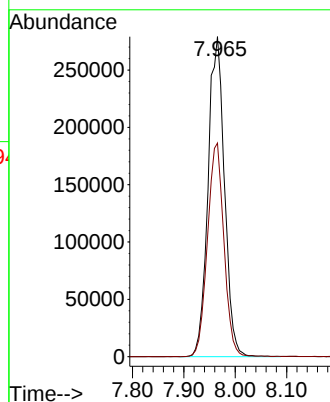
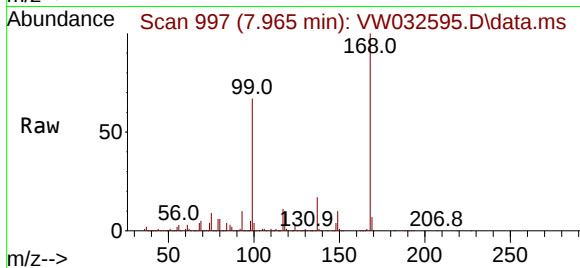




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

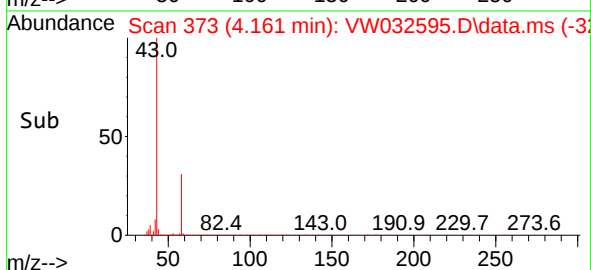
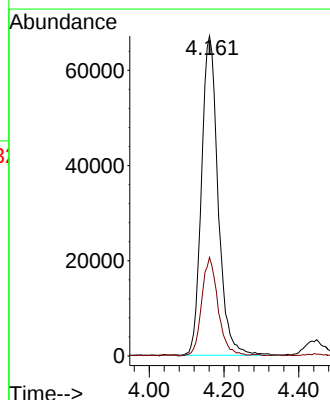
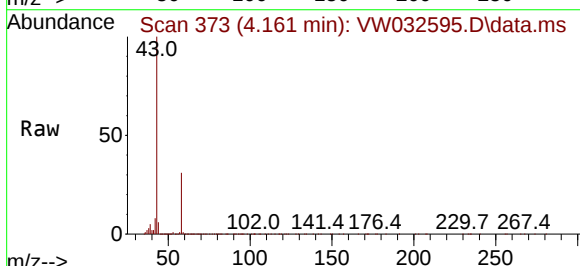
Instrument :
MSVOA_W
ClientSampleId :
TR-01-12-5-2025

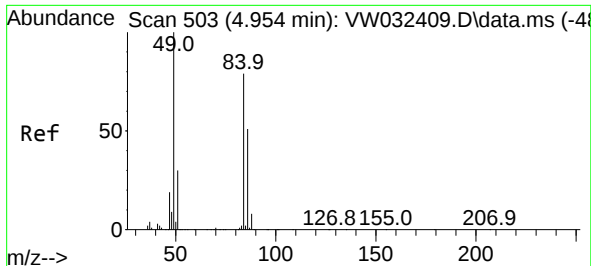
Tgt Ion:168 Resp: 618539
Ion Ratio Lower Upper
168 100
99 66.7 51.8 77.8



#16
Acetone
Concen: 71.906 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

Tgt Ion: 43 Resp: 206830
Ion Ratio Lower Upper
43 100
58 30.8 23.5 35.3

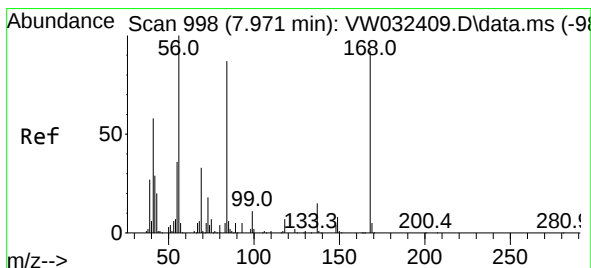
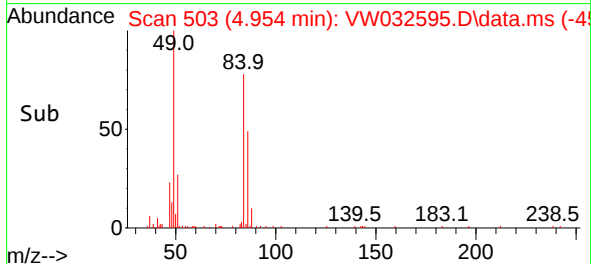
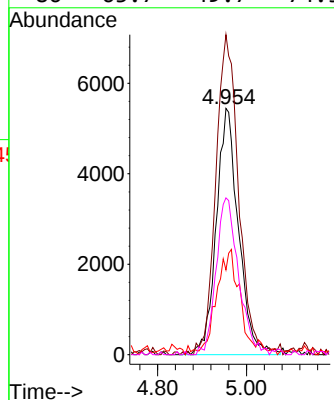
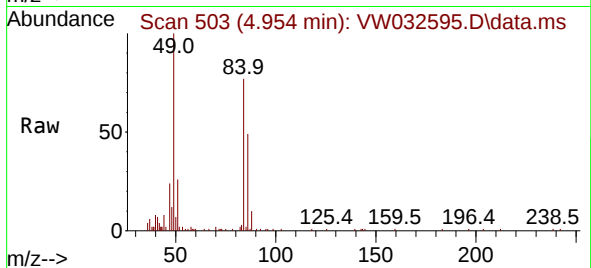




#20
Methylene Chloride
Concen: 1.839 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

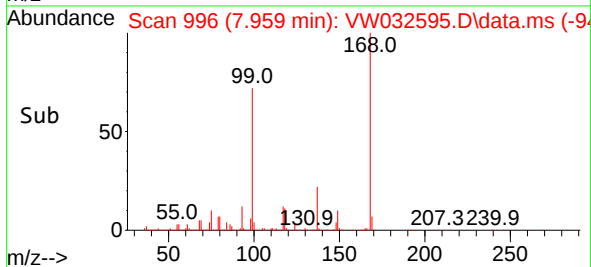
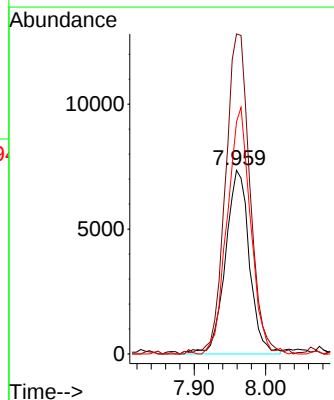
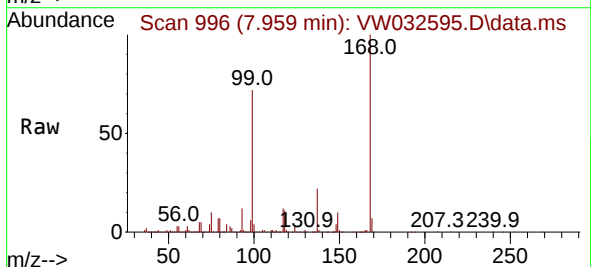
Instrument :
MSVOA_W
ClientSampleId :
TR-01-12-5-2025

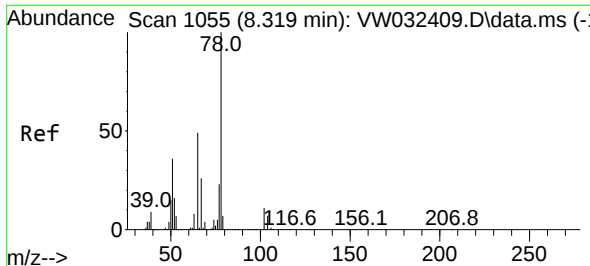
Tgt Ion:	84	Resp:	18921
Ion	Ratio	Lower	Upper
84	100		
49	130.0	107.6	161.4
51	33.0	33.9	50.9#
86	63.7	49.7	74.5



#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

Tgt Ion:	56	Resp:	17106
Ion	Ratio	Lower	Upper
56	100		
69	173.1	27.3	40.9#
84	126.4	67.5	101.3#





#33

1,2-Dichloroethane-d4

Concen: 57.965 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032595.D

Acq: 08 Dec 2025 14:49

Instrument :

MSVOA_W

ClientSampleId :

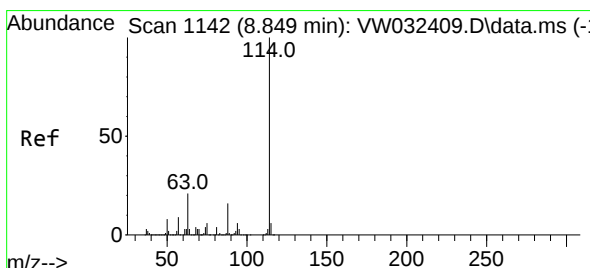
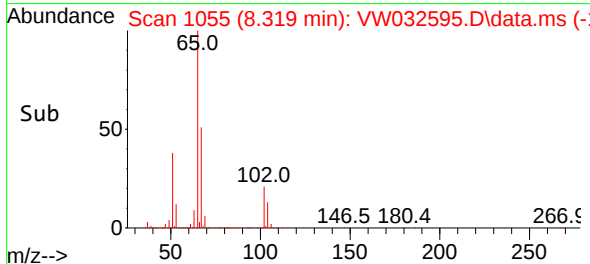
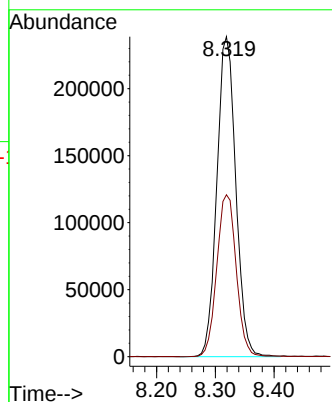
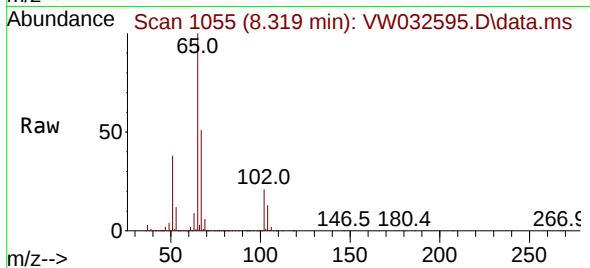
TR-01-12-5-2025

Tgt Ion: 65 Resp: 533574

Ion Ratio Lower Upper

65 100

67 52.1 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: VW032595.D

Acq: 08 Dec 2025 14:49

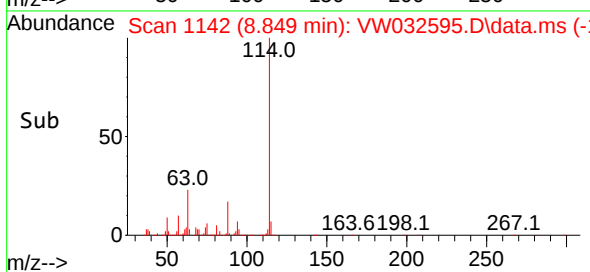
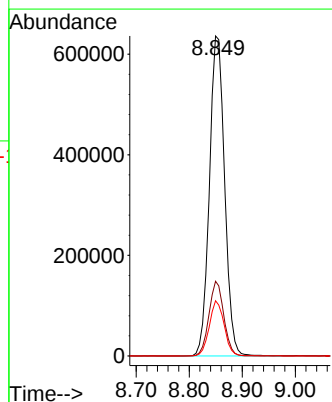
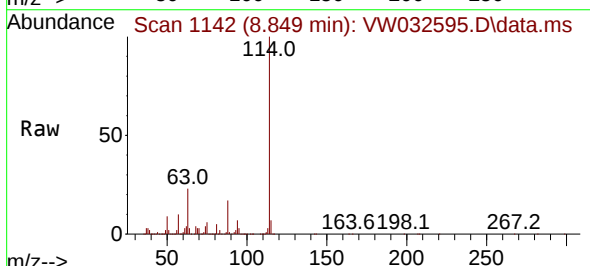
Tgt Ion: 114 Resp: 1268535

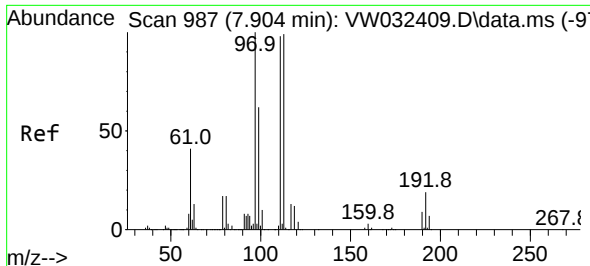
Ion Ratio Lower Upper

114 100

63 23.3 0.0 40.6

88 17.2 0.0 31.2

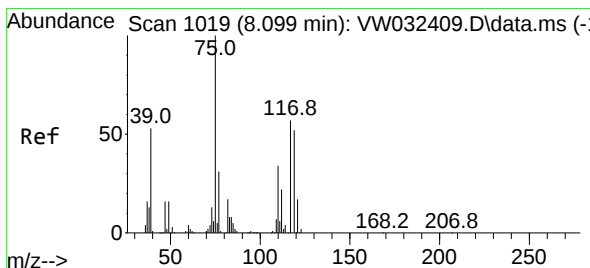
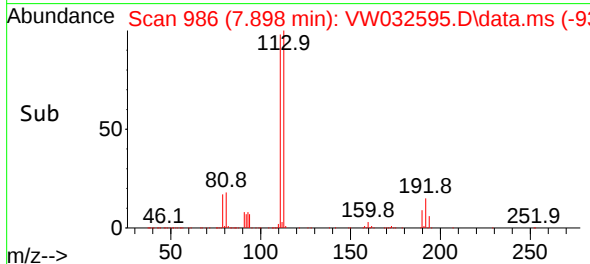
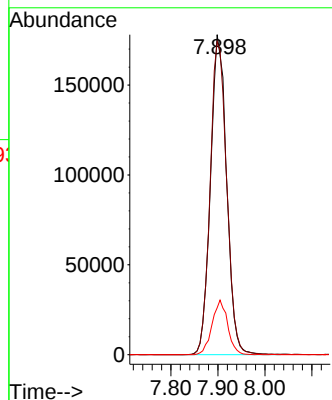
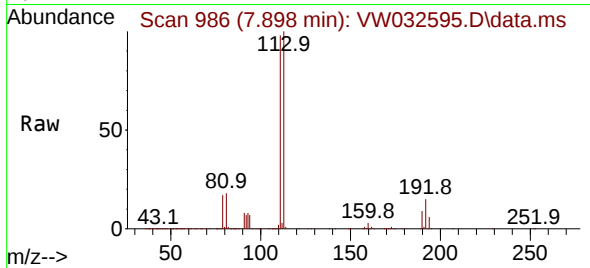




#35
Dibromofluoromethane
Concen: 50.854 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

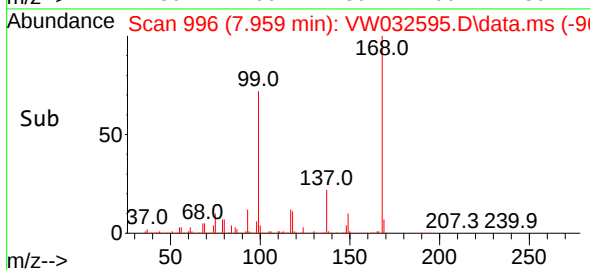
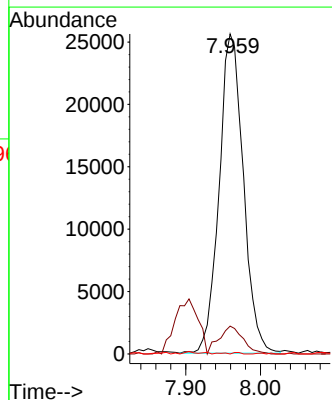
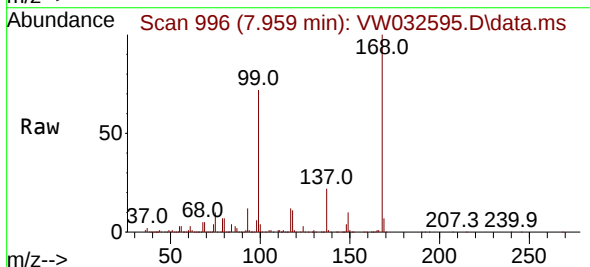
Instrument :
MSVOA_W
ClientSampleId :
TR-01-12-5-2025

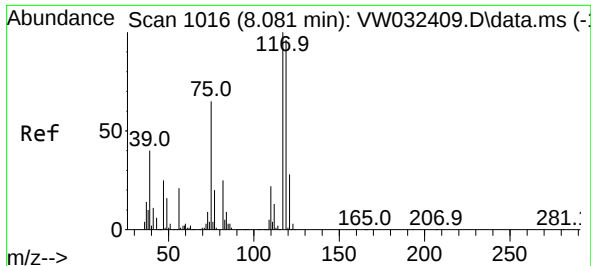
Tgt Ion:113 Resp: 424518
Ion Ratio Lower Upper
113 100
111 100.4 83.4 125.0
192 16.5 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.533 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

Tgt Ion: 75 Resp: 57714
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.6#
77 0.2 24.6 37.0#

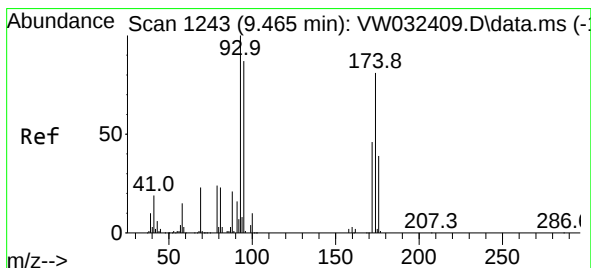
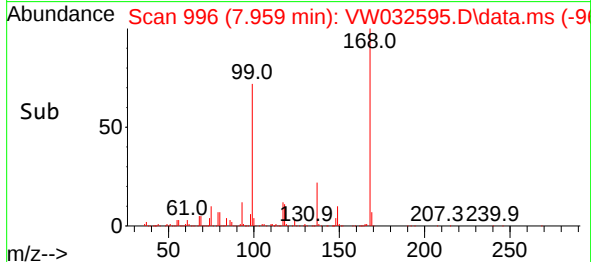
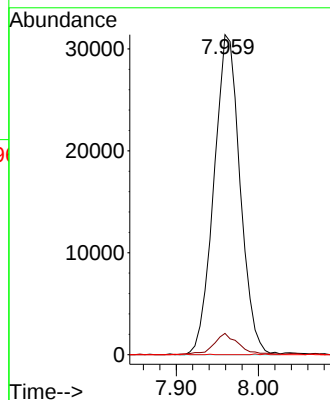
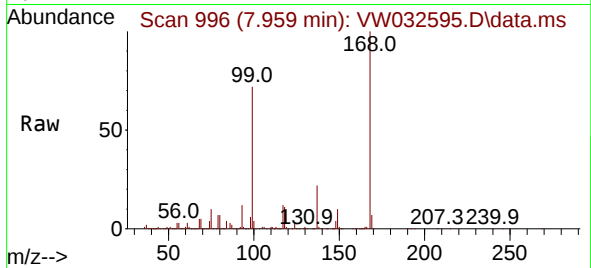




#38
Carbon Tetrachloride
Concen: 5.875 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

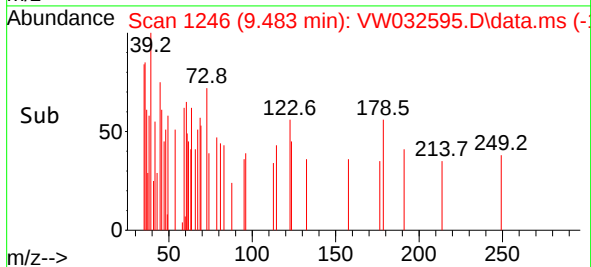
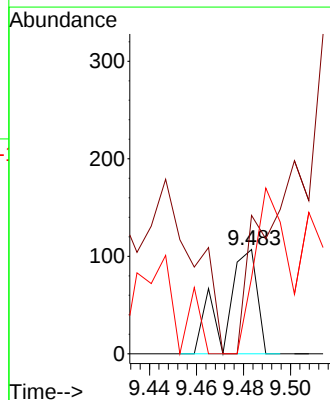
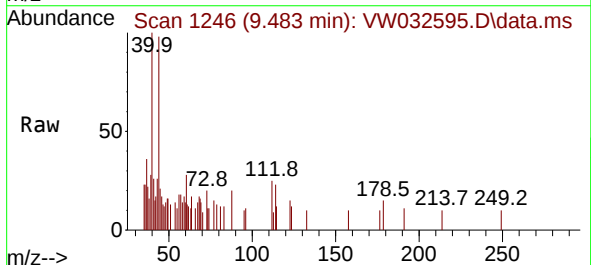
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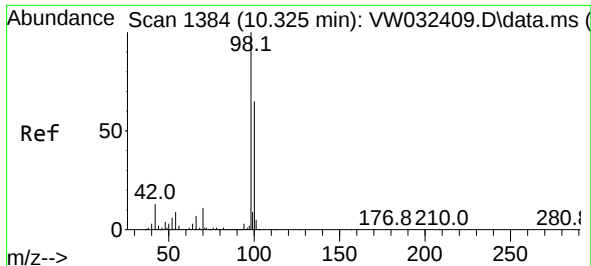
Tgt Ion:117 Resp: 69494
Ion Ratio Lower Upper
117 100
119 6.4 76.9 115.3#
121 0.0 25.4 38.2#



#49
1,4-Dioxane
Concen: 1.407 ug/l
RT: 9.483 min Scan# 1246
Delta R.T. 0.024 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

Tgt Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 165.3 65.2 97.8#

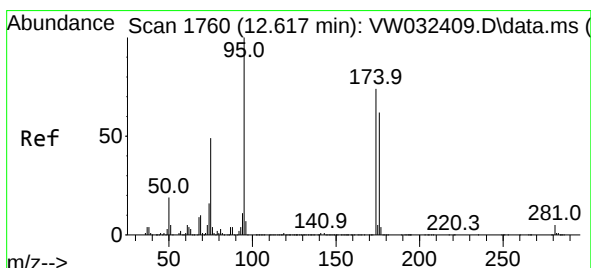
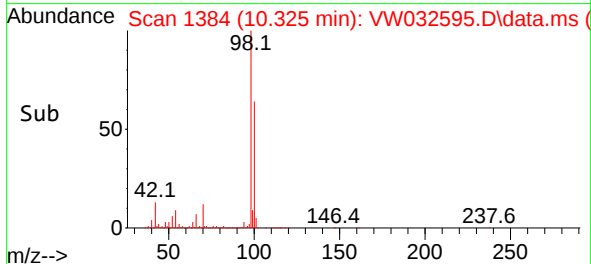
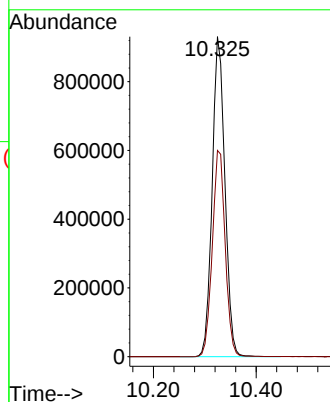
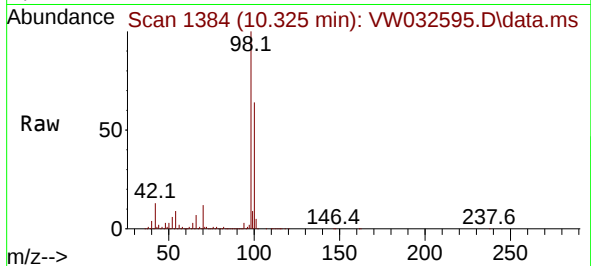




#50
Toluene-d8
Concen: 50.830 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

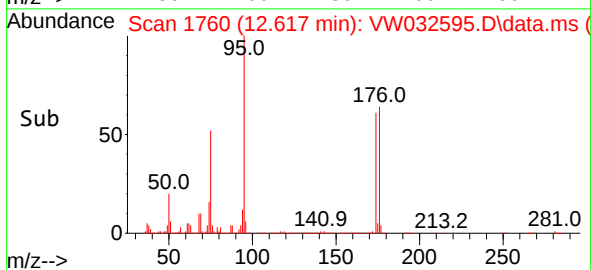
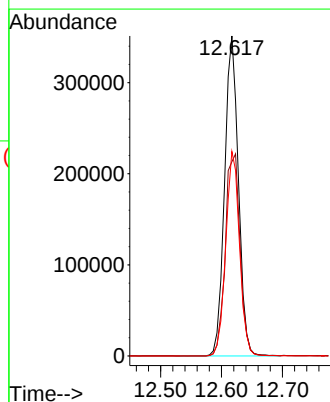
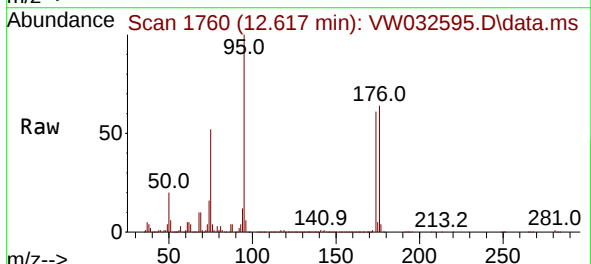
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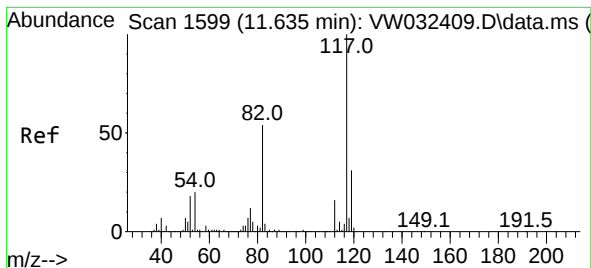
Tgt Ion: 98 Resp: 1596666
Ion Ratio Lower Upper
98 100
100 65.6 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 47.696 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

Tgt Ion: 95 Resp: 553525
Ion Ratio Lower Upper
95 100
174 67.7 0.0 141.2
176 63.7 0.0 130.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 1159962

Delta R.T. -0.006 min

Lab File: VW032595.D

Acq: 08 Dec 2025 14:49

Instrument :

MSVOA_W

ClientSampleId :

TR-01-12-5-2025

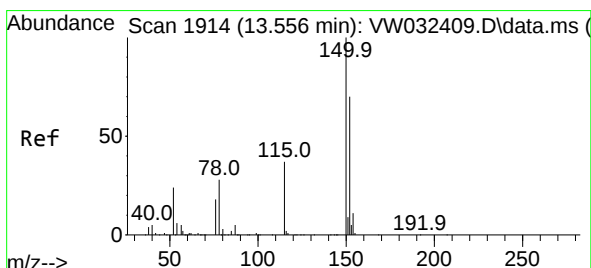
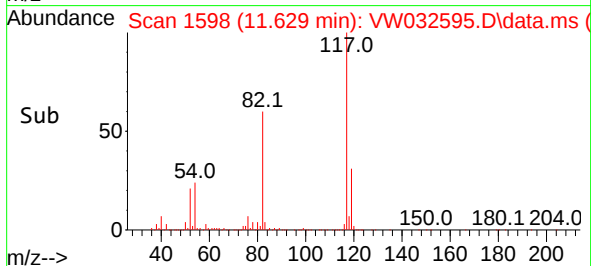
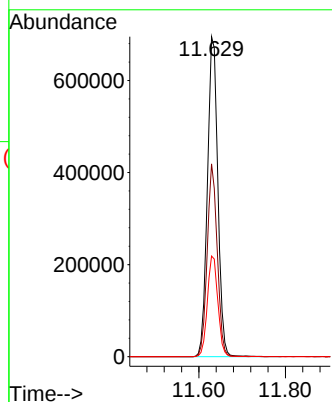
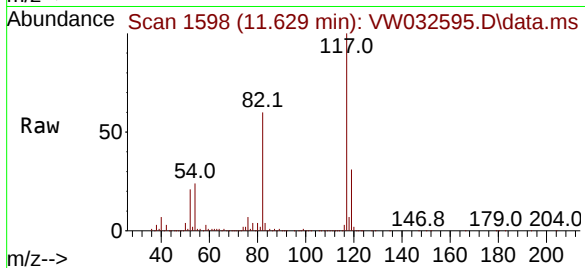
Tgt Ion:117 Resp: 1159962

Ion Ratio Lower Upper

117 100

82 60.2 45.9 68.9

119 31.4 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: VW032595.D

Acq: 08 Dec 2025 14:49

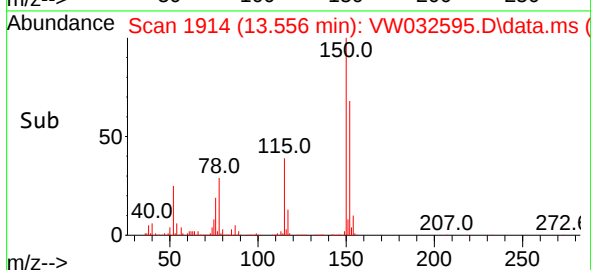
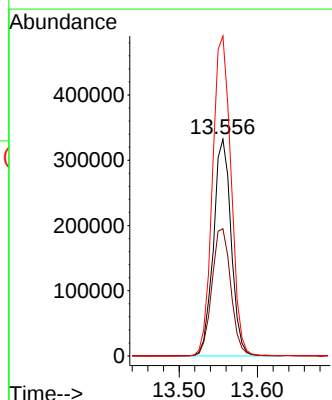
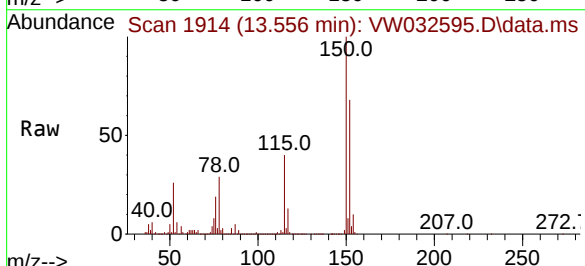
Tgt Ion:152 Resp: 522071

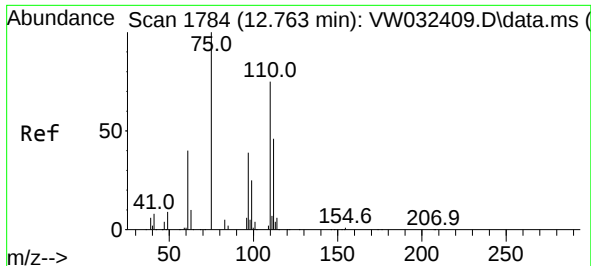
Ion Ratio Lower Upper

152 100

115 63.0 31.1 93.3

150 154.8 0.0 351.2

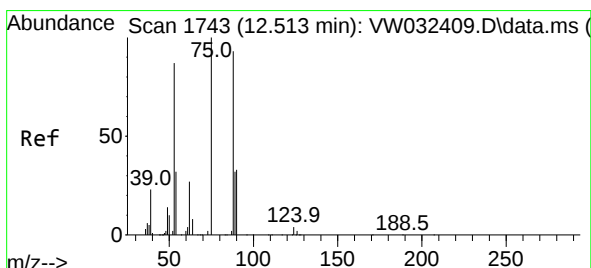
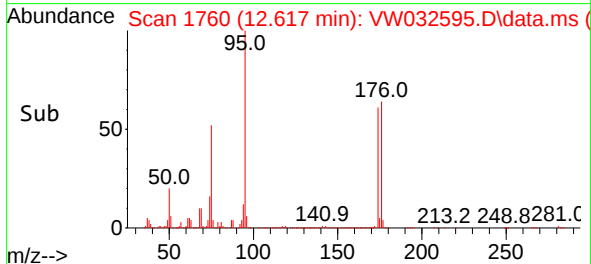
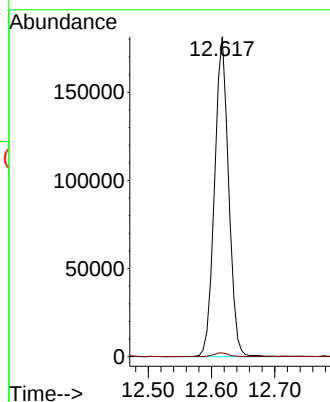
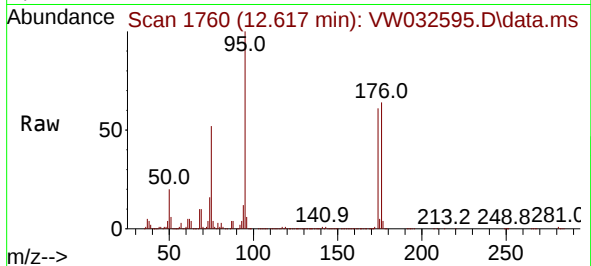




#76
1,2,3-Trichloropropane
Concen: 39.794 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

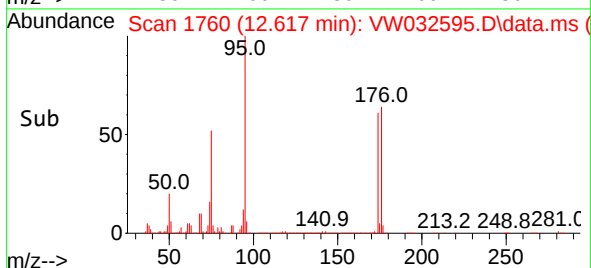
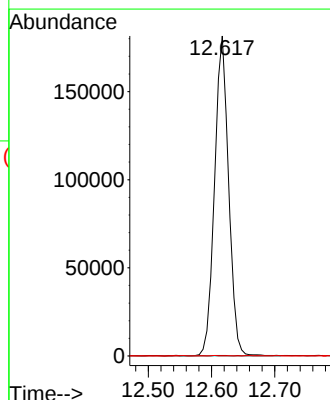
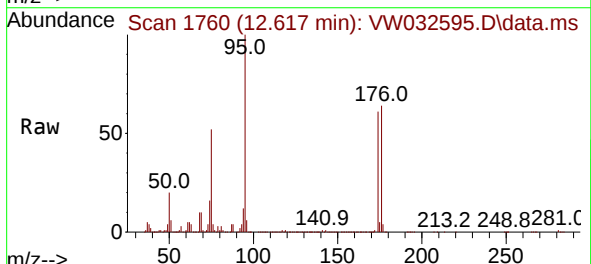
Instrument :
MSVOA_W
ClientSampleId :
TR-01-12-5-2025

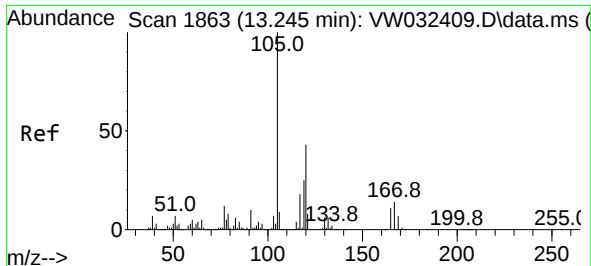
Tgt Ion: 75 Resp: 281124
Ion Ratio Lower Upper
75 100
77 1.3 148.2 444.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.596 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

Tgt Ion: 75 Resp: 281124
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 31.4 47.2#

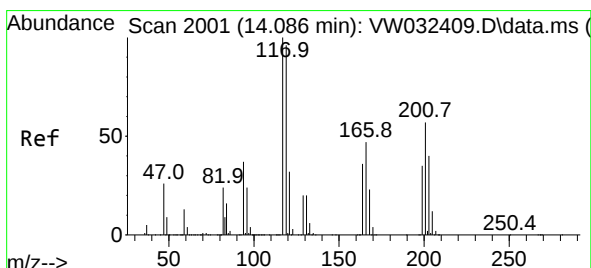
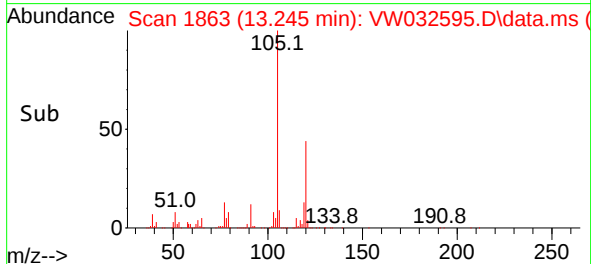
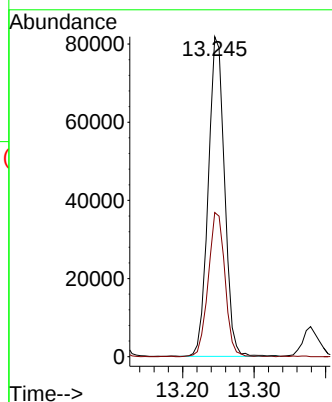
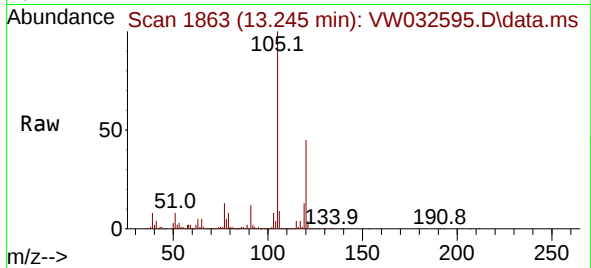




#84
1,2,4-Trimethylbenzene
Concen: 3.912 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

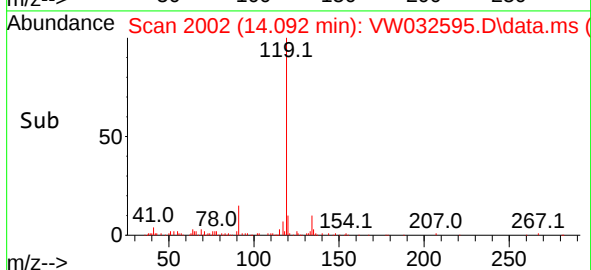
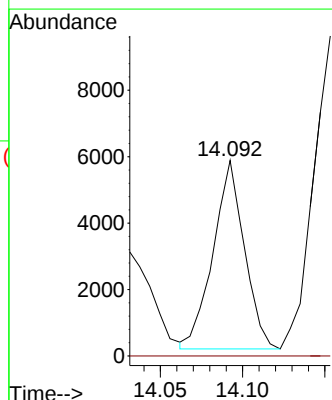
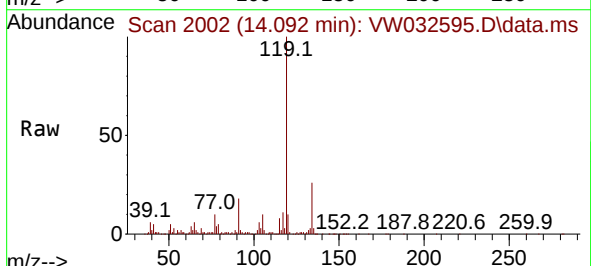
Instrument :
MSVOA_W
ClientSampleId :
TR-01-12-5-2025

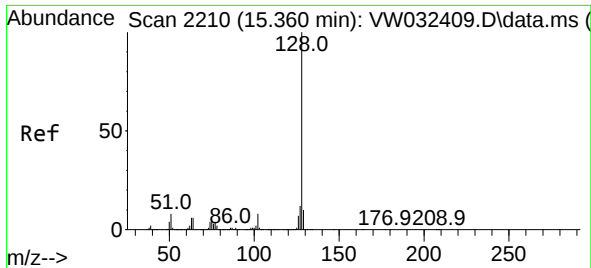
Tgt Ion:105 Resp: 129133
Ion Ratio Lower Upper
105 100
120 46.2 22.7 68.1



#90
Hexachloroethane
Concen: 1.133 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW032595.D
Acq: 08 Dec 2025 14:49

Tgt Ion:117 Resp: 7510
Ion Ratio Lower Upper
117 100
201 0.0 29.5 88.6#





#95
 Naphthalene
 Concen: 1.620 ug/l
 RT: 15.360 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW032595.D
 Acq: 08 Dec 2025 14:49

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-01-12-5-2025

Tgt Ion:128 Resp: 36638
 Ion Ratio Lower Upper
 128 100
 127 11.0 10.6 15.8
 129 10.5 8.9 13.3

