

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092925\
 Data File : VW032295.D
 Acq On : 29 Sep 2025 14:38
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 02:37:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

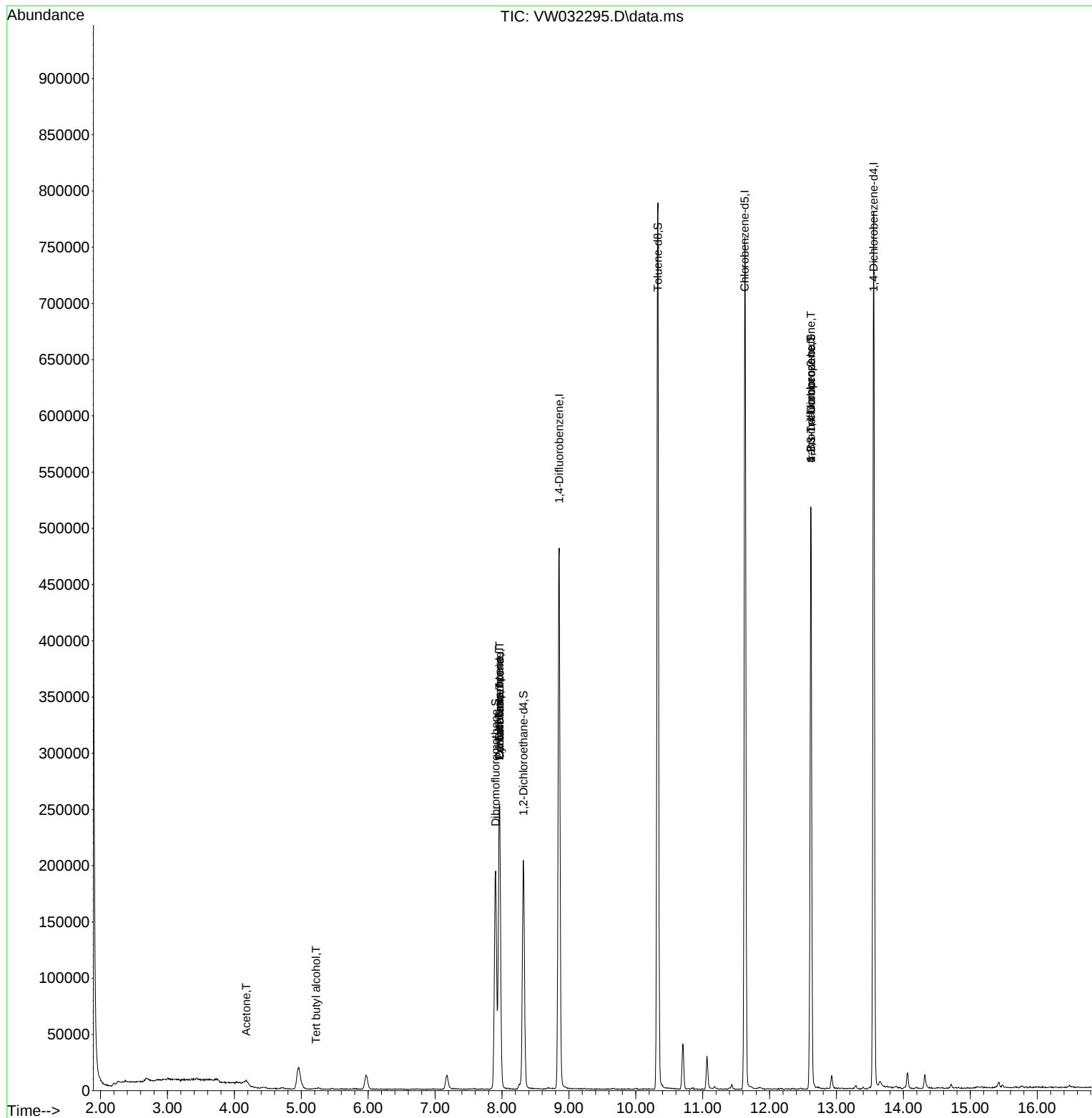
Internal Standards						
1) Pentafluorobenzene	7.965	168	176727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	398693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	413063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	191812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168278	60.304	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 120.600%		
35) Dibromofluoromethane	7.904	113	141273	49.271	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 98.540%		
50) Toluene-d8	10.331	98	516632	49.995	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 100.000%		
62) 4-Bromofluorobenzene	12.617	95	179600	46.076	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 92.160%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.222	59	541	2.793	ug/l #	71
16) Acetone	4.179	43	4041	5.639	ug/l	93
20) Methylene Chloride	4.960	84	18305	Below Cal		93
31) Cyclohexane	7.965	56	5038	1.398	ug/l #	17
36) 1,1-Dichloropropene	7.959	75	16590	4.292	ug/l #	49
38) Carbon Tetrachloride	7.965	117	20977	5.768	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	91002	34.485	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	91002	89.573	ug/l #	9

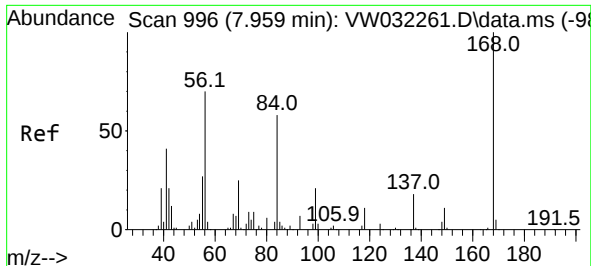
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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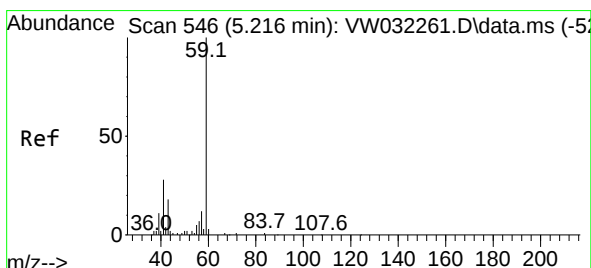
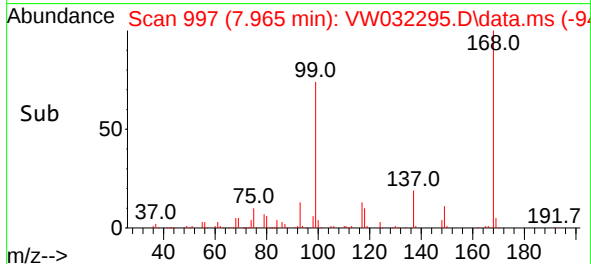
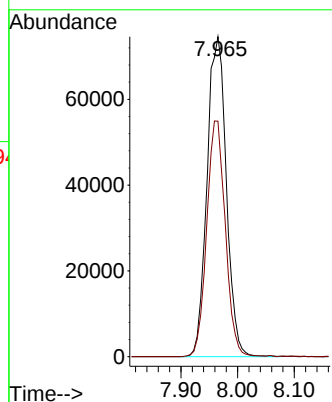
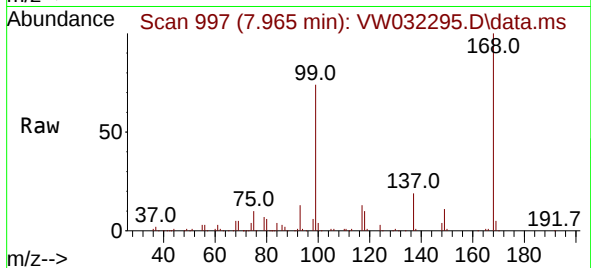




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032295.D
Acq: 29 Sep 2025 14:38

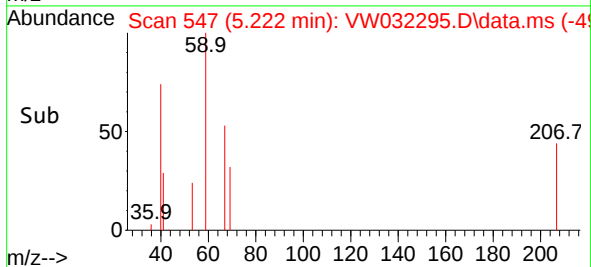
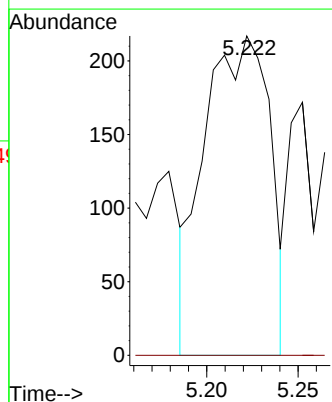
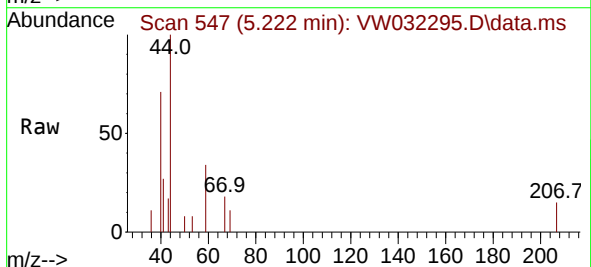
Instrument :
MSVOA_W
ClientSampleId :

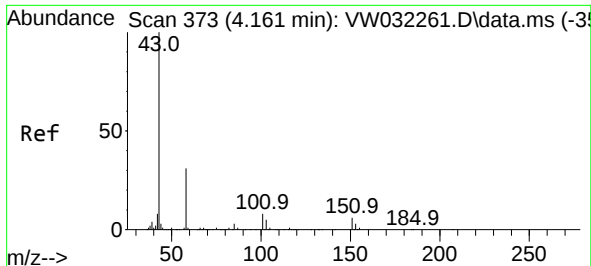
Tgt Ion:168 Resp: 176727
Ion Ratio Lower Upper
168 100
99 73.6 55.0 82.4



#11
Tert butyl alcohol
Concen: 2.793 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.006 min
Lab File: VW032295.D
Acq: 29 Sep 2025 14:38

Tgt Ion: 59 Resp: 541
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

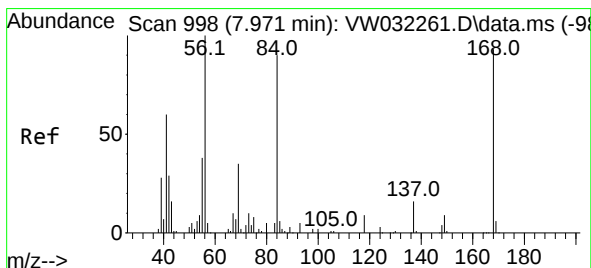
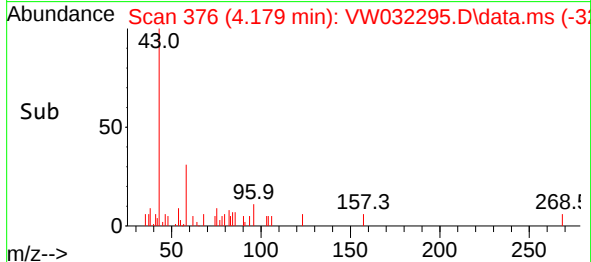
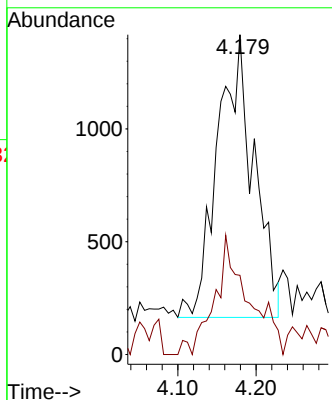
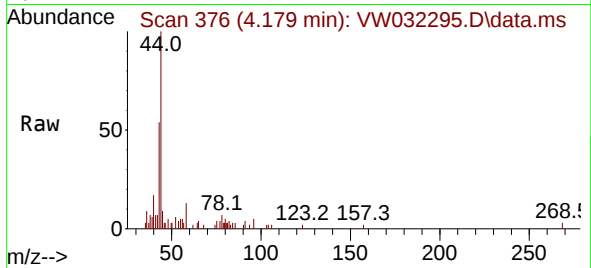




#16
Acetone
Concen: 5.639 ug/l
RT: 4.179 min Scan# 31
Delta R.T. 0.018 min
Lab File: VW032295.D
Acq: 29 Sep 2025 14:38

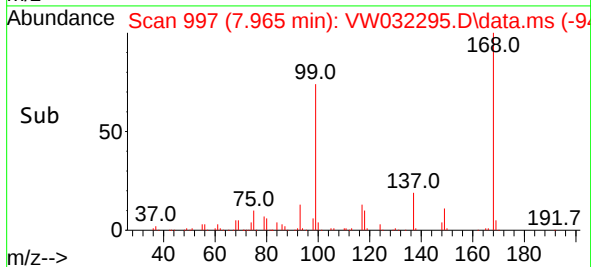
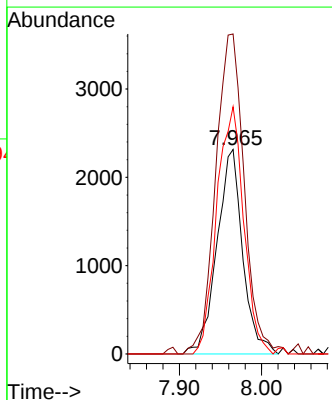
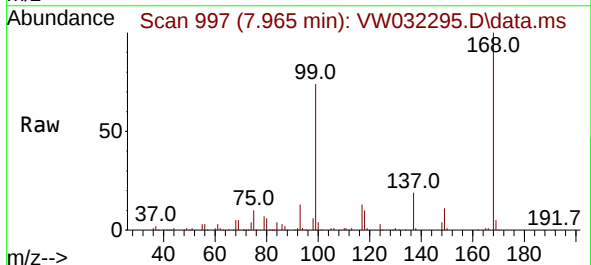
Instrument :
MSVOA_W
ClientSampleId :

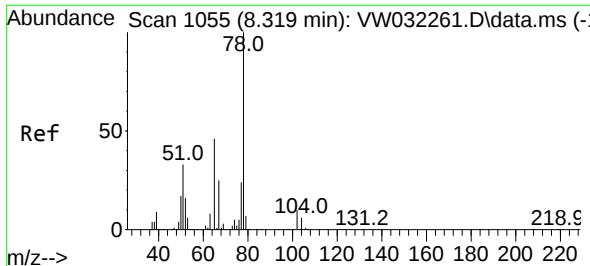
Tgt Ion: 43 Resp: 4041
Ion Ratio Lower Upper
43 100
58 28.0 25.4 38.0



#31
Cyclohexane
Concen: 1.398 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032295.D
Acq: 29 Sep 2025 14:38

Tgt Ion: 56 Resp: 5038
Ion Ratio Lower Upper
56 100
69 156.5 28.2 42.2#
84 120.9 71.8 107.6#

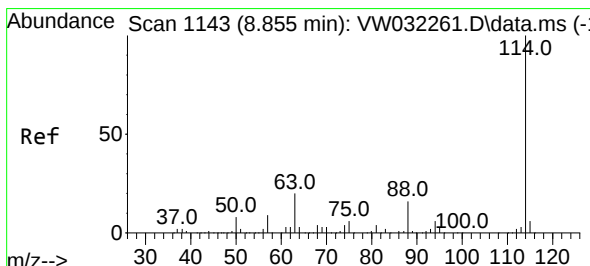
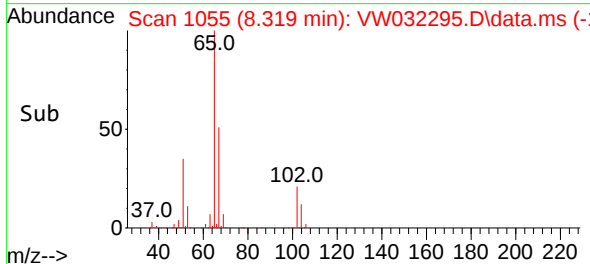
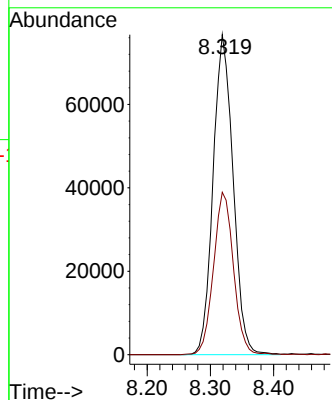
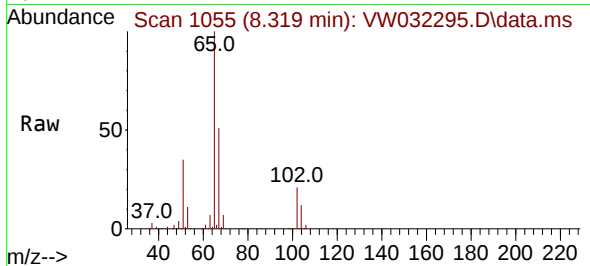




#33
 1,2-Dichloroethane-d4
 Concen: 60.304 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032295.D
 Acq: 29 Sep 2025 14:38

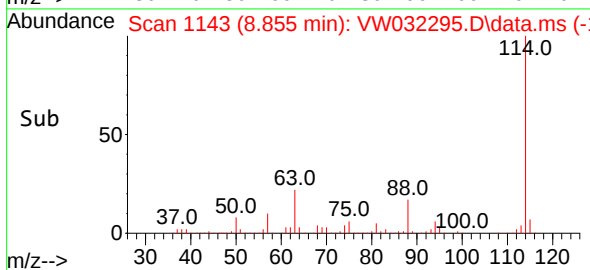
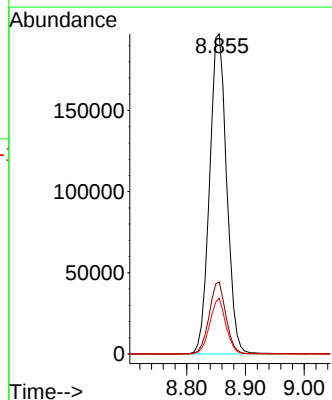
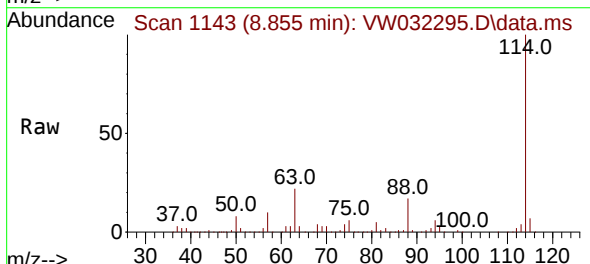
Instrument :
 MSVOA_W
 ClientSampleId :

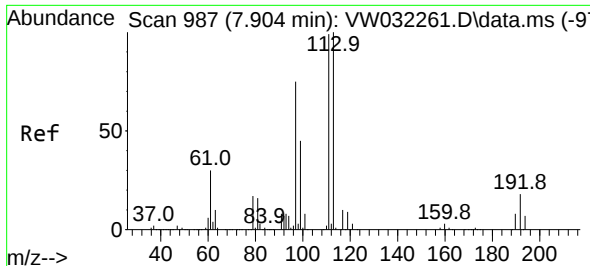
Tgt Ion: 65 Resp: 168278
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032295.D
 Acq: 29 Sep 2025 14:38

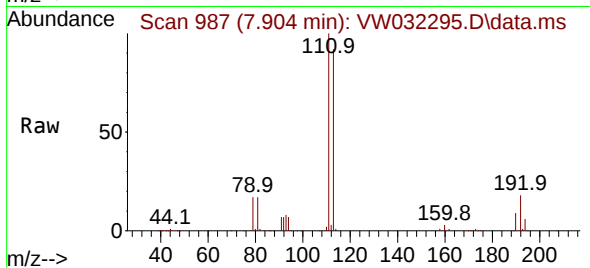
Tgt Ion: 114 Resp: 398693
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 40.2
 88 17.4 0.0 32.0



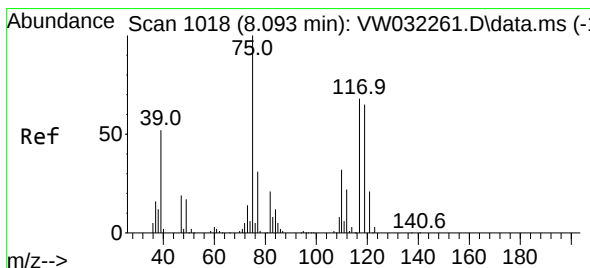
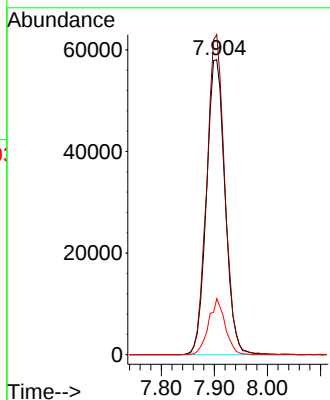
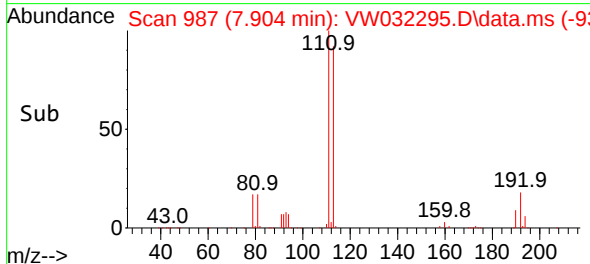


#35
 Dibromofluoromethane
 Concen: 49.271 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VW032295.D
 Acq: 29 Sep 2025 14:38

Instrument :
 MSVOA_W
 ClientSampleId :

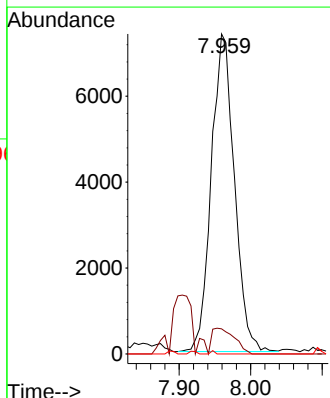
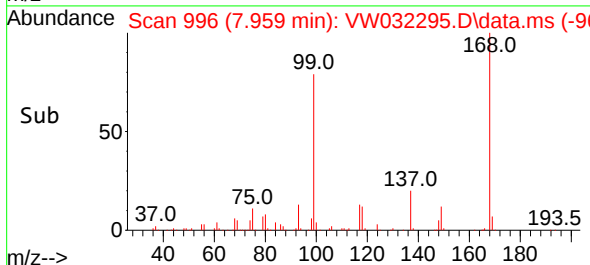
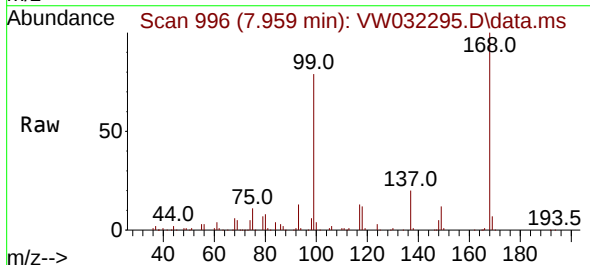


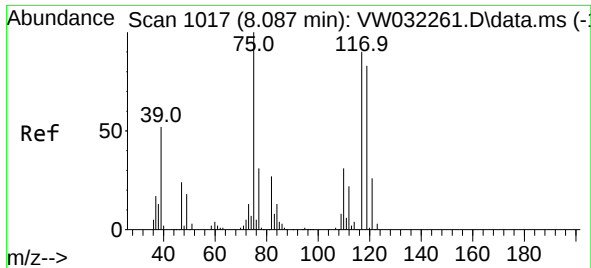
Tgt Ion:113 Resp: 141273
 Ion Ratio Lower Upper
 113 100
 111 105.4 81.8 122.8
 192 16.9 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 4.292 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW032295.D
 Acq: 29 Sep 2025 14:38

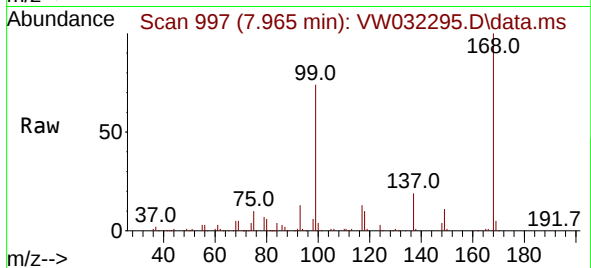
Tgt Ion: 75 Resp: 16590
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.7 50.1#
 77 0.2 25.2 37.8#



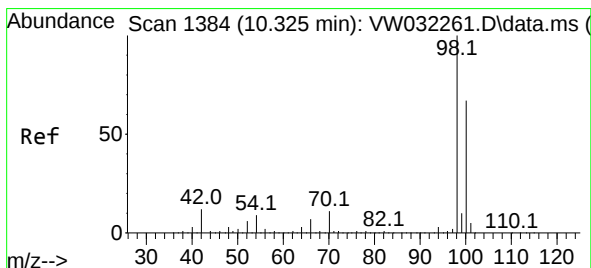
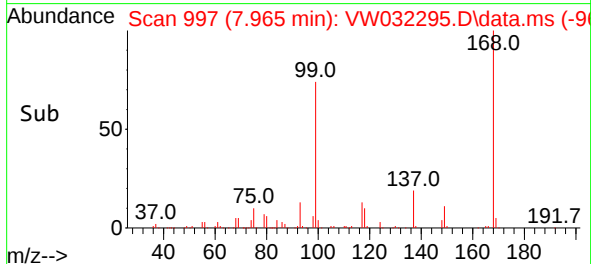
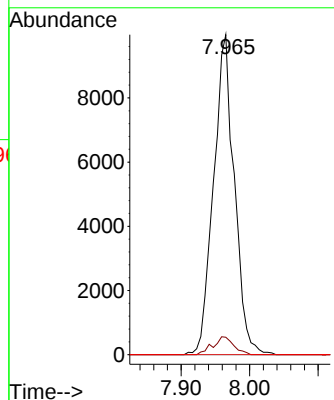


#38
Carbon Tetrachloride
Concen: 5.768 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032295.D
Acq: 29 Sep 2025 14:38

Instrument :
MSVOA_W
ClientSampleId :

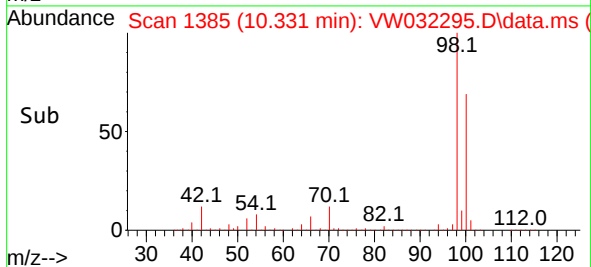
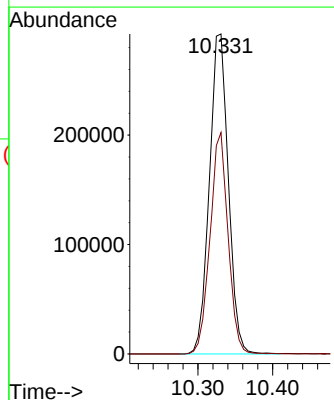
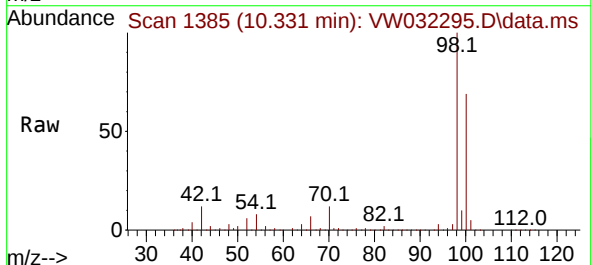


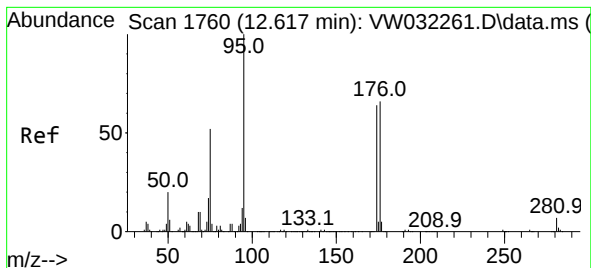
Tgt Ion:117 Resp: 20977
Ion Ratio Lower Upper
117 100
119 5.4 73.9 110.9#
121 0.0 23.0 34.6#



#50
Toluene-d8
Concen: 49.995 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032295.D
Acq: 29 Sep 2025 14:38

Tgt Ion: 98 Resp: 516632
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4

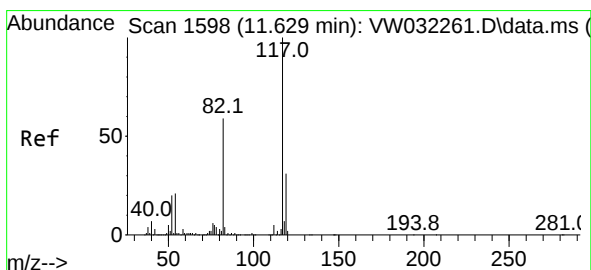
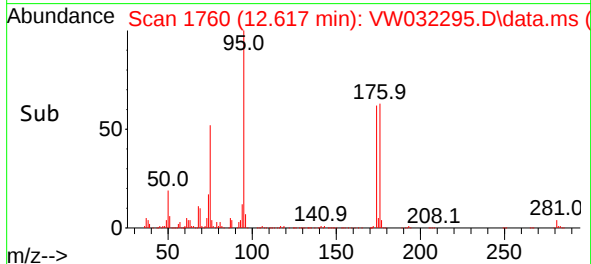
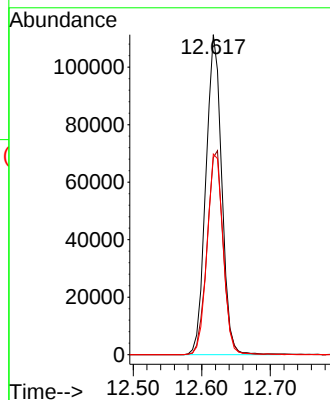
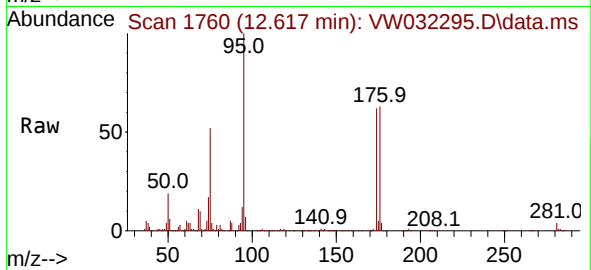




#62
4-Bromofluorobenzene
Concen: 46.076 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032295.D
Acq: 29 Sep 2025 14:38

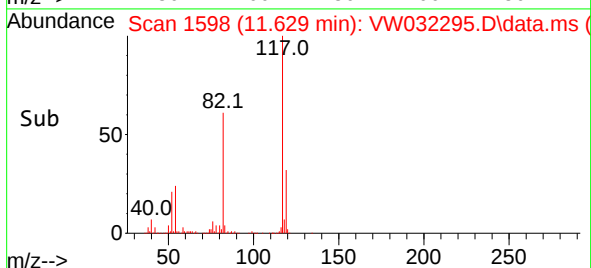
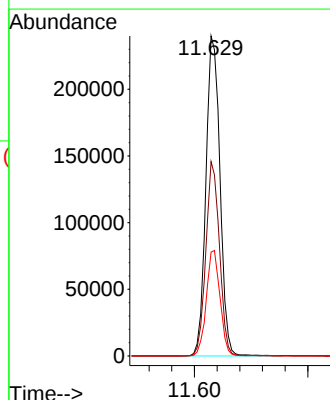
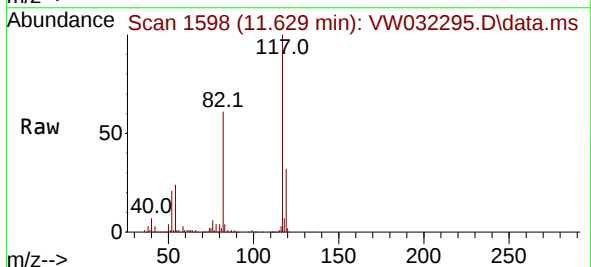
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ClientSampleId :

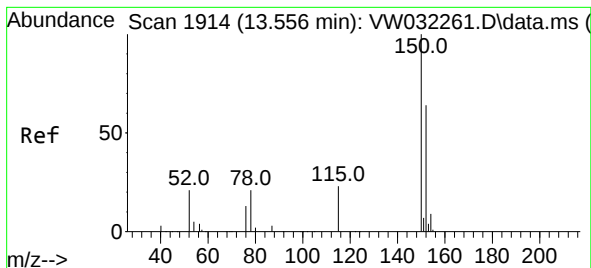
Tgt Ion: 95 Resp: 179600
Ion Ratio Lower Upper
95 100
174 64.6 0.0 130.6
176 63.2 0.0 127.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032295.D
Acq: 29 Sep 2025 14:38

Tgt Ion: 117 Resp: 413063
Ion Ratio Lower Upper
117 100
82 60.7 46.9 70.3
119 32.5 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032295.D

Acq: 29 Sep 2025 14:38

Instrument :

MSVOA_W

ClientSampleId :

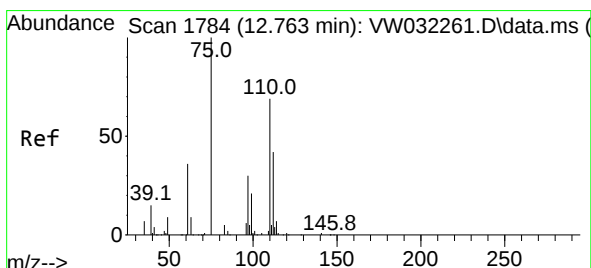
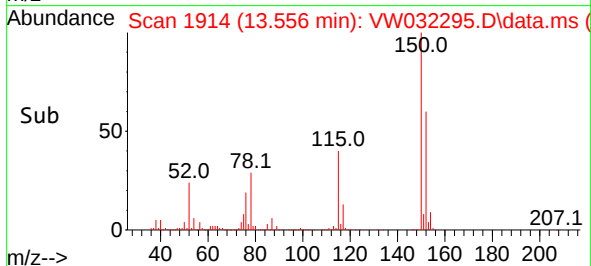
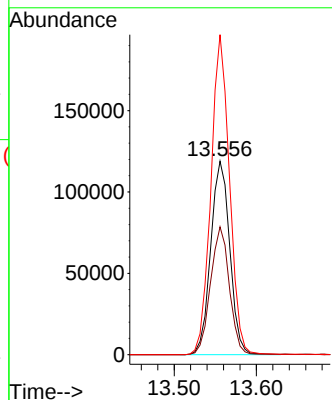
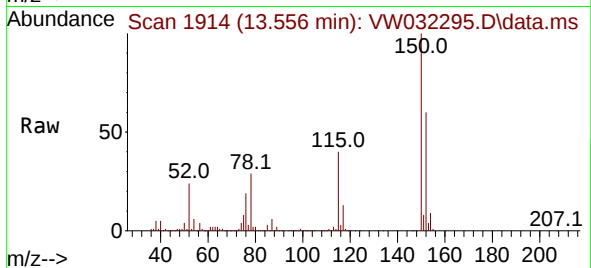
Tgt Ion:152 Resp: 191812

Ion Ratio Lower Upper

152 100

115 65.3 32.5 97.5

150 160.8 0.0 370.2



#76

1,2,3-Trichloropropane

Concen: 34.485 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032295.D

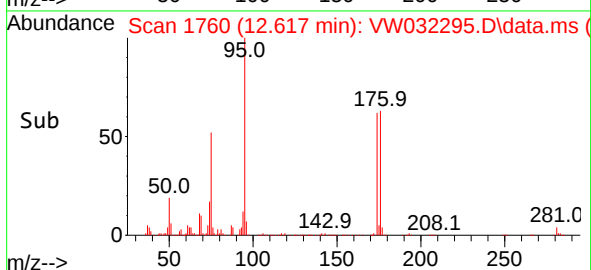
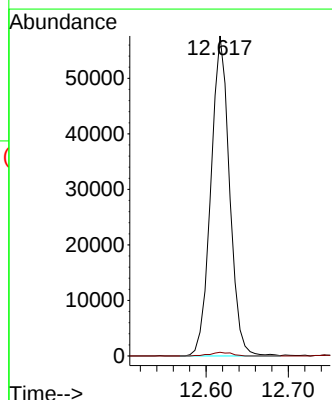
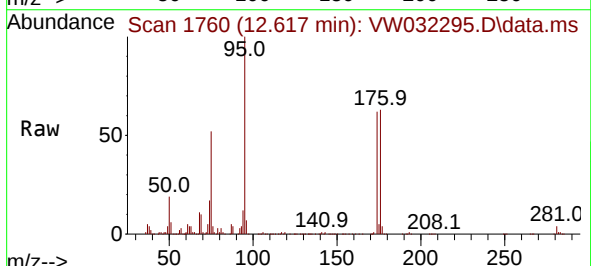
Acq: 29 Sep 2025 14:38

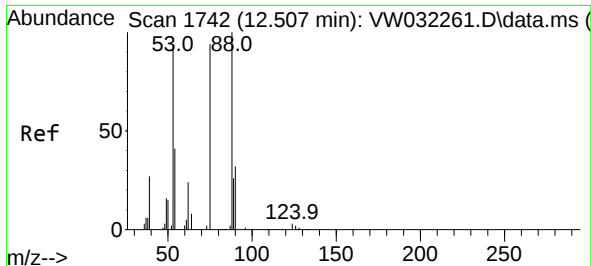
Tgt Ion: 75 Resp: 91002

Ion Ratio Lower Upper

75 100

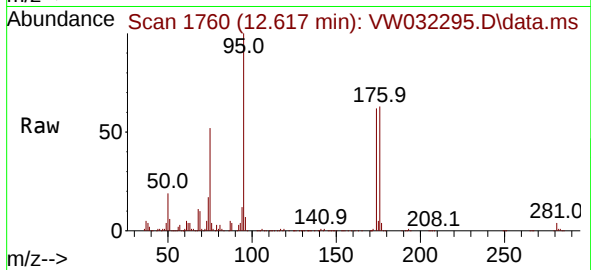
77 1.3 140.9 422.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.573 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032295.D
 Acq: 29 Sep 2025 14:38

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	81.4	122.2#
89	0.2	35.4	53.2#

