

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031826.D
 Acq On : 11 Jul 2025 17:38
 Operator : SY/MD
 Sample : Q2564-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 11 22:51:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

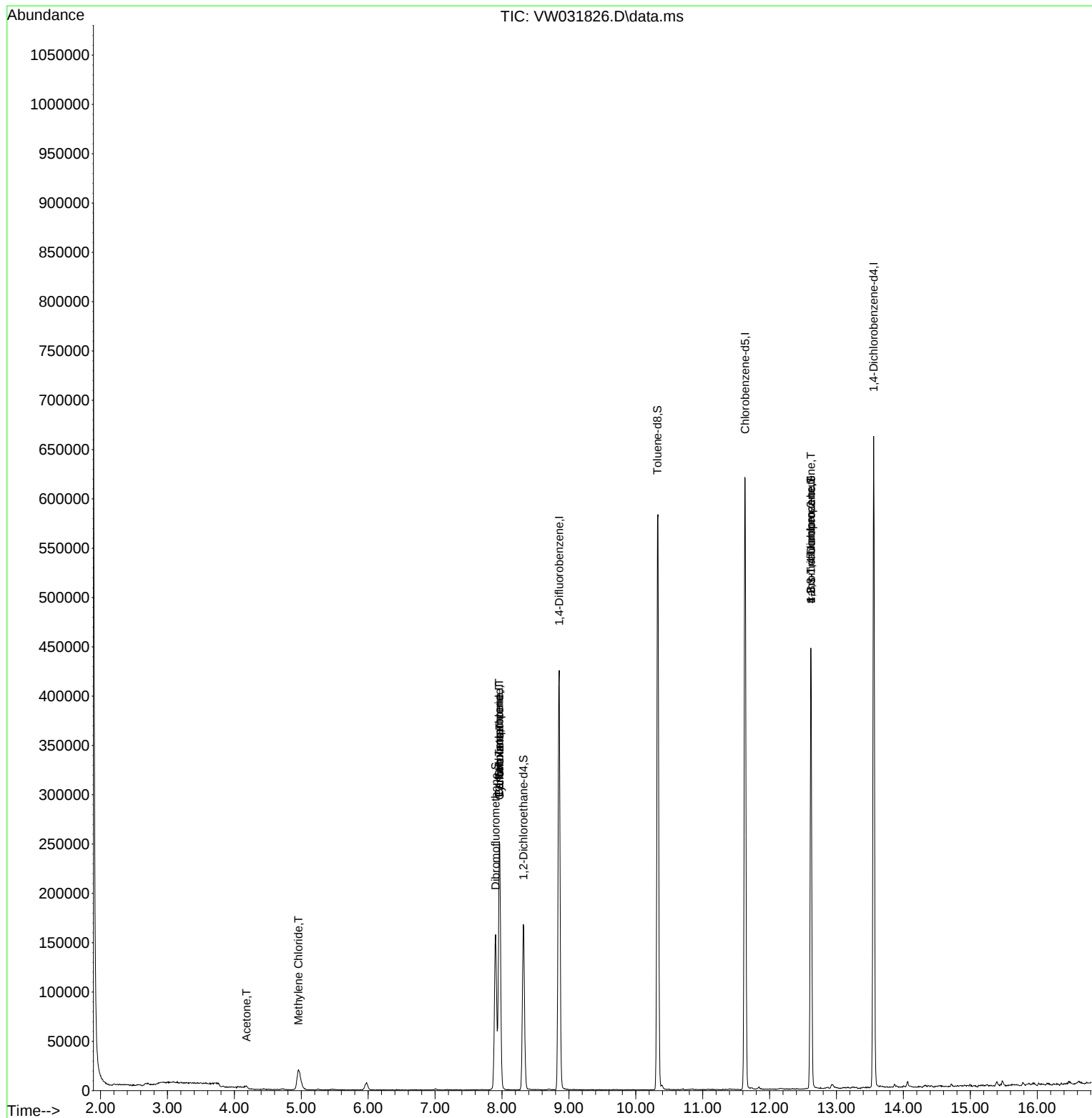
Internal Standards						
1) Pentafluorobenzene	7.959	168	171485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	357281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	343067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	162406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	138241	56.173	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	112.340%
35) Dibromofluoromethane	7.904	113	116059	49.781	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.560%
50) Toluene-d8	10.325	98	389631	44.908	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.820%
62) 4-Bromofluorobenzene	12.617	95	154385	48.354	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.700%
Target Compounds						
						Qvalue
16) Acetone	4.179	43	1239	2.037	ug/l	97
20) Methylene Chloride	4.960	84	19704	4.032	ug/l	91
31) Cyclohexane	7.965	56	4453	1.271	ug/l #	8
36) 1,1-Dichloropropene	7.959	75	16273	4.824	ug/l #	50
38) Carbon Tetrachloride	7.959	117	19407	5.645	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	80996	38.593	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	80996	89.888	ug/l #	8

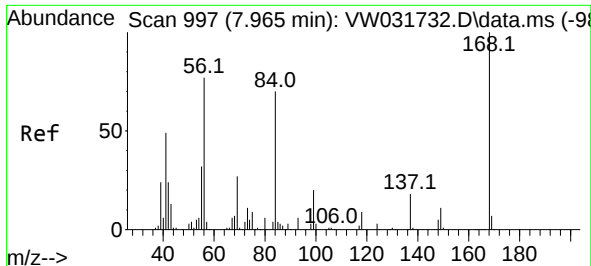
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
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Quant Time: Jul 11 22:51:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
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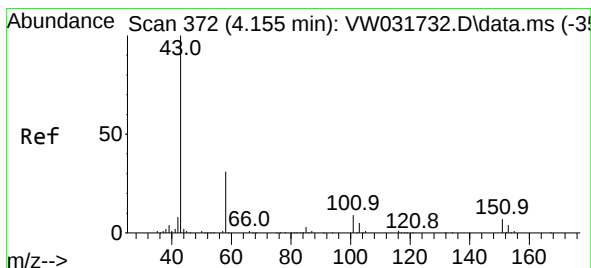
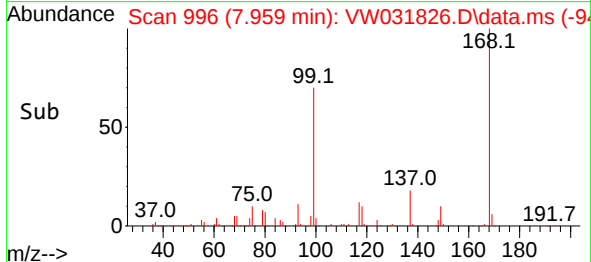
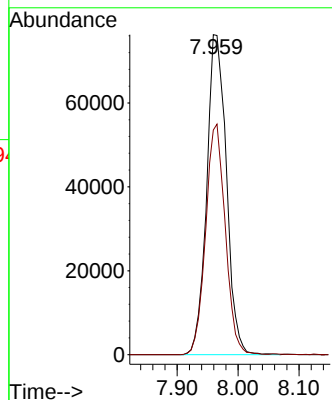
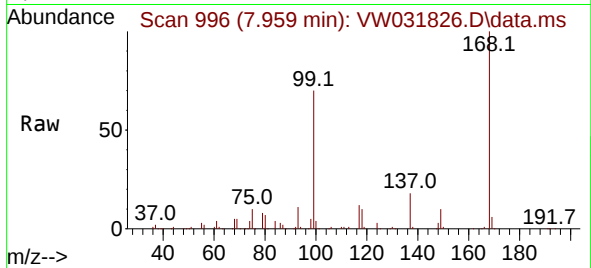




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031826.D
Acq: 11 Jul 2025 17:38

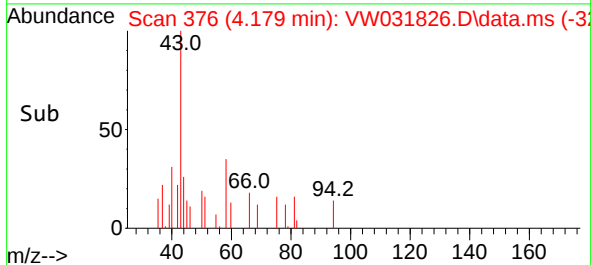
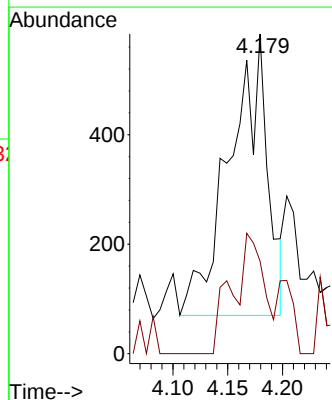
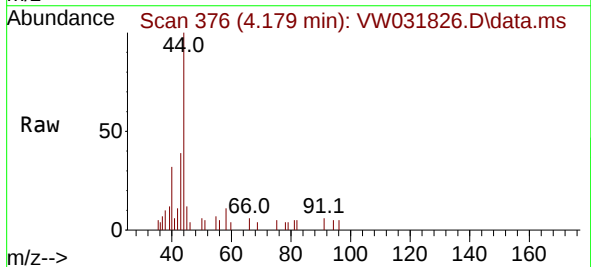
Instrument :
MSVOA_W
ClientSampleId :

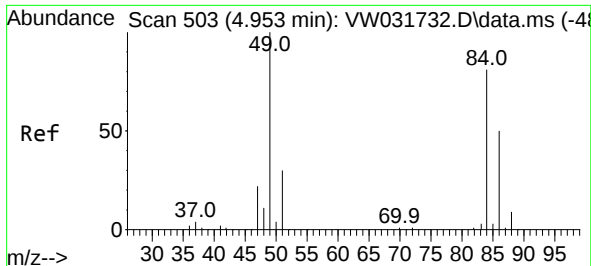
Tgt Ion:168 Resp: 171485
Ion Ratio Lower Upper
168 100
99 70.2 49.4 74.2



#16
Acetone
Concen: 2.037 ug/l
RT: 4.179 min Scan# 376
Delta R.T. 0.025 min
Lab File: VW031826.D
Acq: 11 Jul 2025 17:38

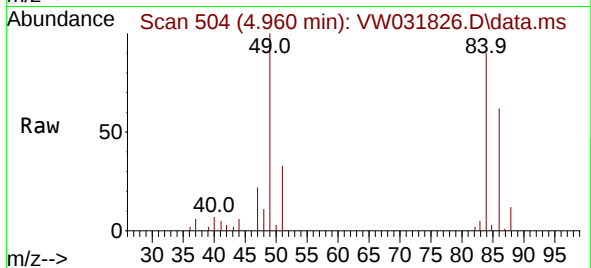
Tgt Ion: 43 Resp: 1239
Ion Ratio Lower Upper
43 100
58 32.9 24.8 37.2



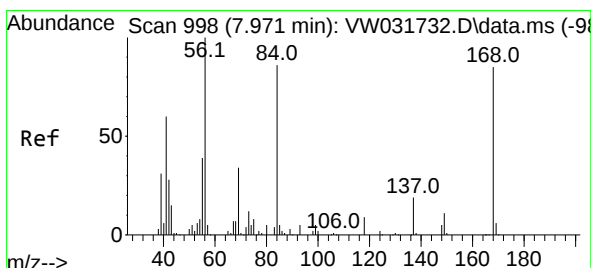
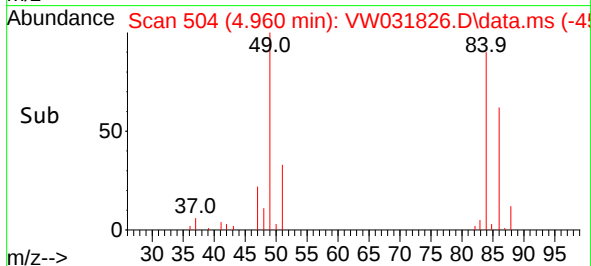
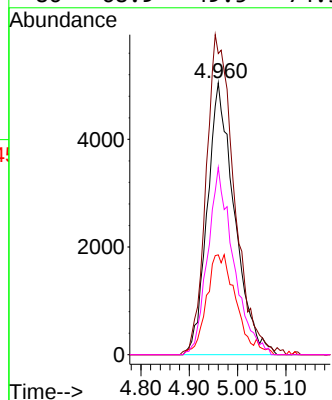


#20
Methylene Chloride
Concen: 4.032 ug/l
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW031826.D
Acq: 11 Jul 2025 17:38

Instrument :
MSVOA_W
ClientSampleId :

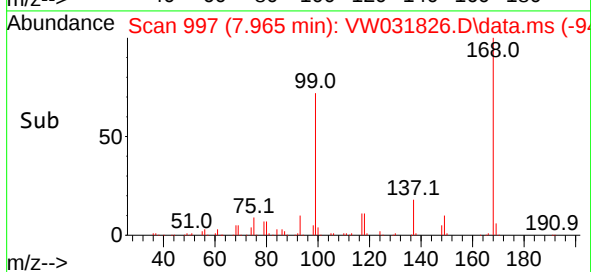
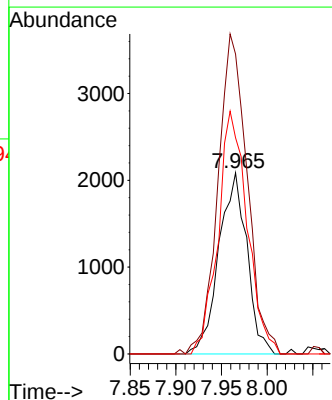
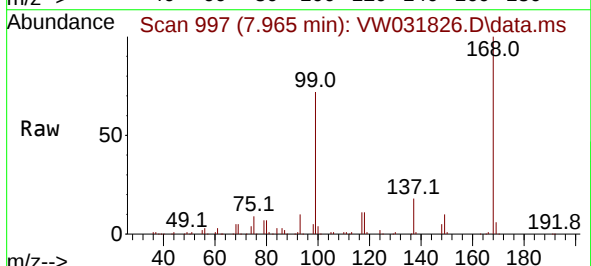


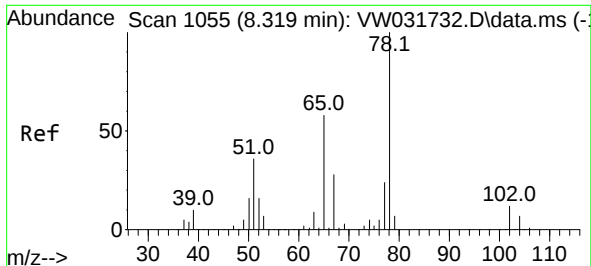
Tgt Ion: 84	Resp: 19704
Ion Ratio	Lower Upper
84 100	
49 110.8	98.2 147.4
51 36.7	29.8 44.8
86 68.9	49.5 74.3



#31
Cyclohexane
Concen: 1.271 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031826.D
Acq: 11 Jul 2025 17:38

Tgt Ion: 56	Resp: 4453		
Ion Ratio	Lower	Upper	
56	100		
69	165.5	27.2	40.8#
84	119.3	68.5	102.7#

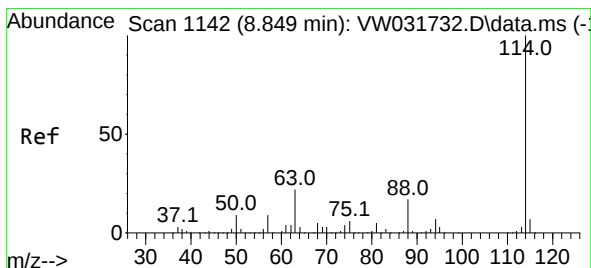
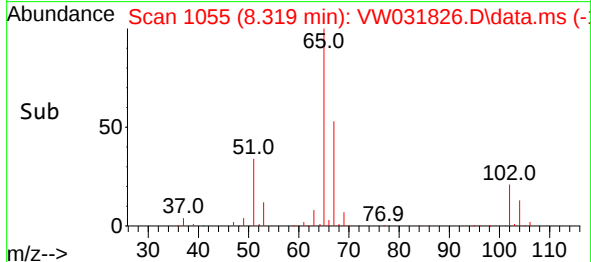
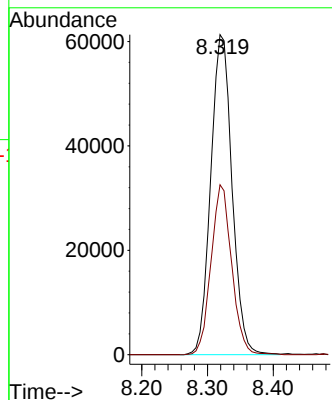
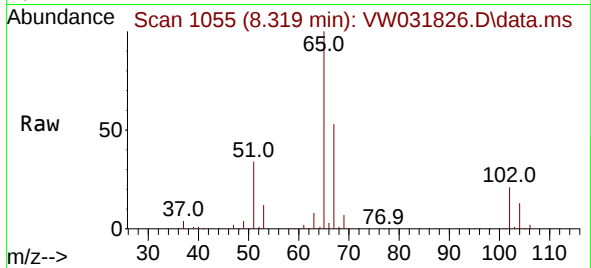




#33
 1,2-Dichloroethane-d4
 Concen: 56.173 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031826.D
 Acq: 11 Jul 2025 17:38

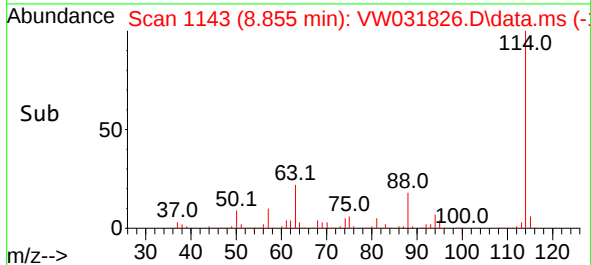
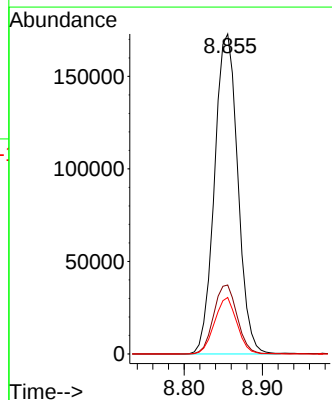
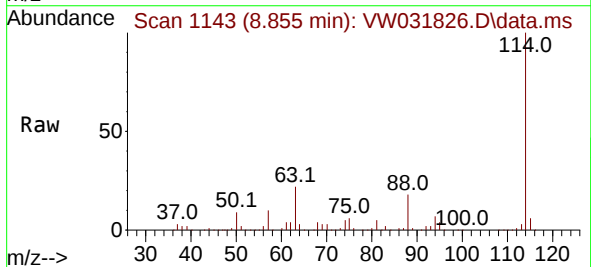
Instrument :
 MSVOA_W
 ClientSampleId :

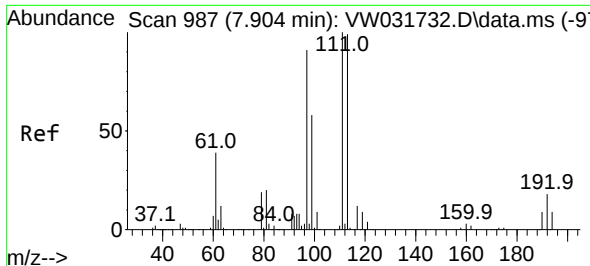
Tgt Ion: 65 Resp: 138241
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW031826.D
 Acq: 11 Jul 2025 17:38

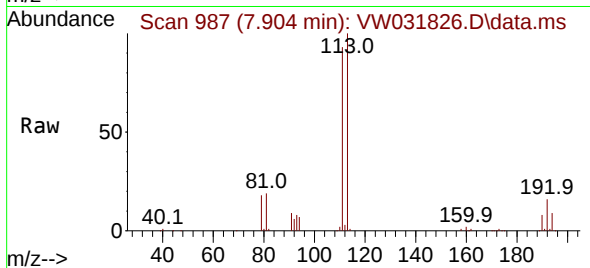
Tgt Ion: 114 Resp: 357281
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.6
 88 17.6 0.0 34.2



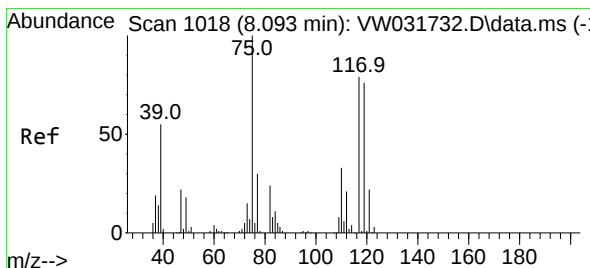
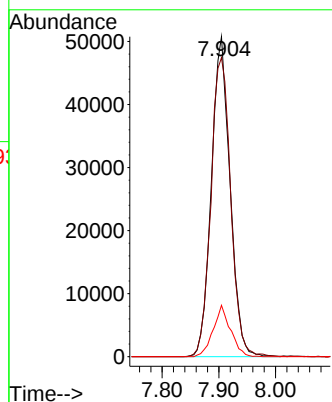
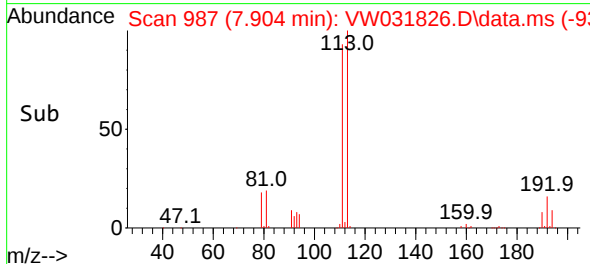


#35
 Dibromofluoromethane
 Concen: 49.781 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VW031826.D
 Acq: 11 Jul 2025 17:38

Instrument :
 MSVOA_W
 ClientSampleId :

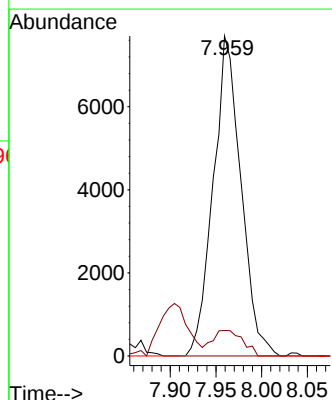
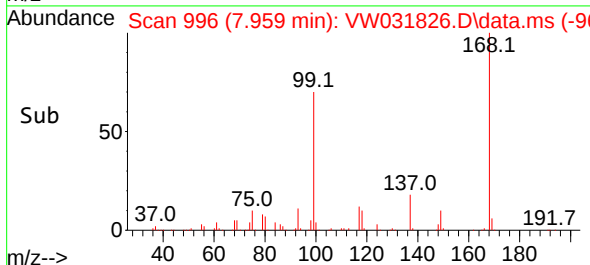
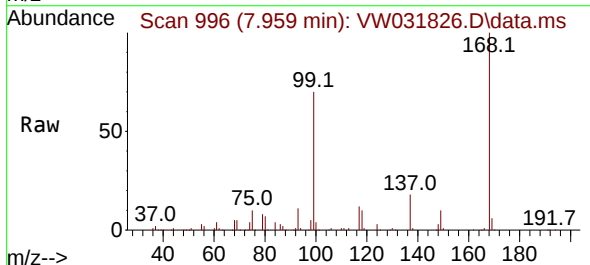


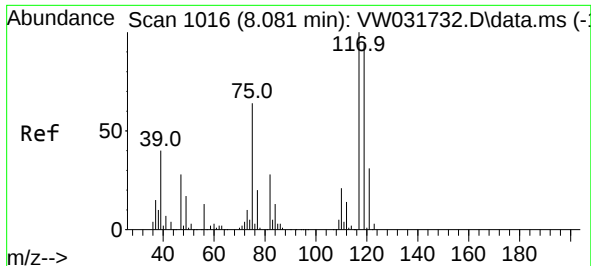
Tgt Ion:113 Resp: 116059
 Ion Ratio Lower Upper
 113 100
 111 99.2 82.1 123.1
 192 15.0 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 4.824 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW031826.D
 Acq: 11 Jul 2025 17:38

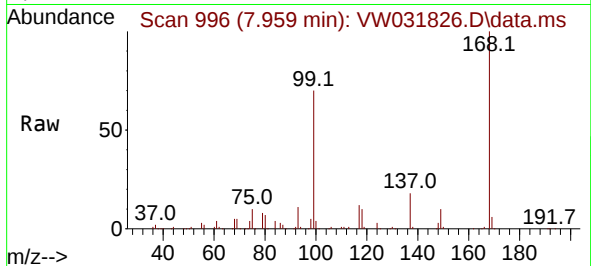
Tgt Ion: 75 Resp: 16273
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.8 50.4#
 77 0.0 25.0 37.6#



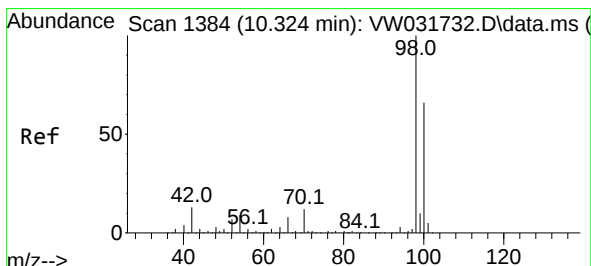
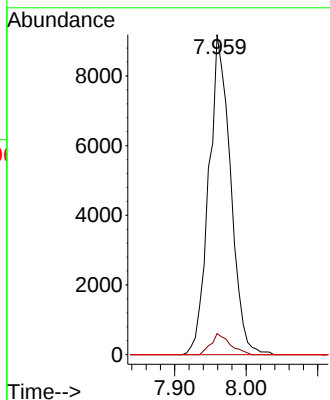
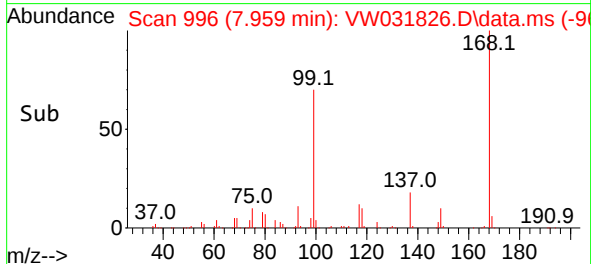


#38
Carbon Tetrachloride
Concen: 5.645 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW031826.D
Acq: 11 Jul 2025 17:38

Instrument :
MSVOA_W
ClientSampleId :

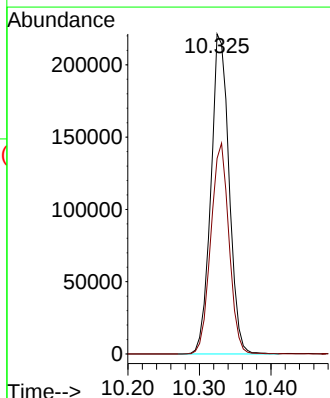
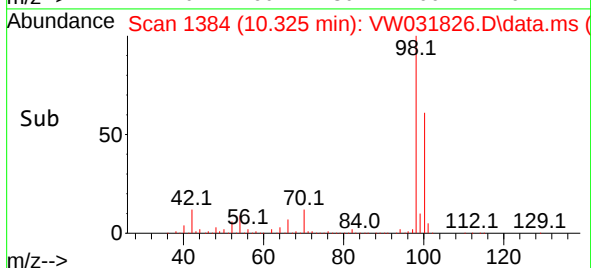
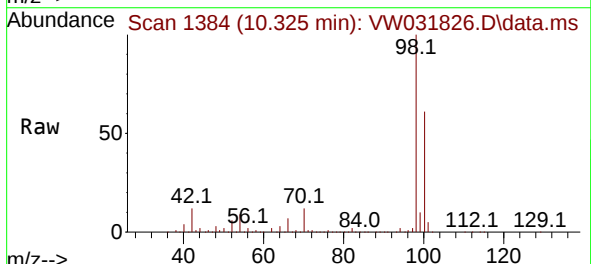


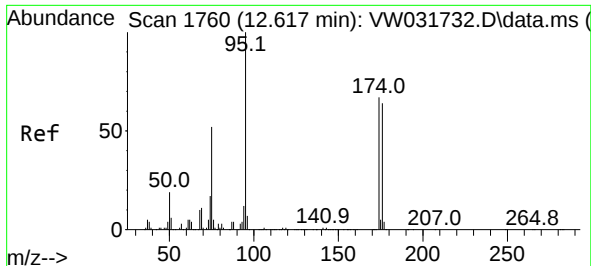
Tgt Ion:117 Resp: 19407
Ion Ratio Lower Upper
117 100
119 6.6 75.0 112.6#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 44.908 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031826.D
Acq: 11 Jul 2025 17:38

Tgt Ion: 98 Resp: 389631
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4

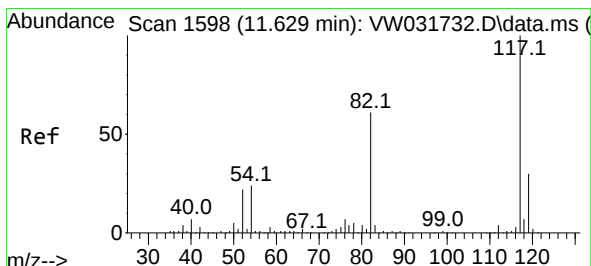
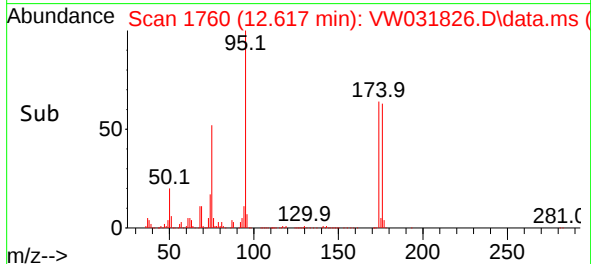
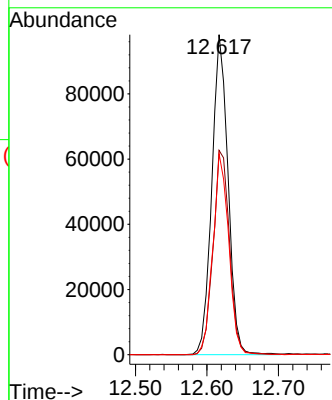
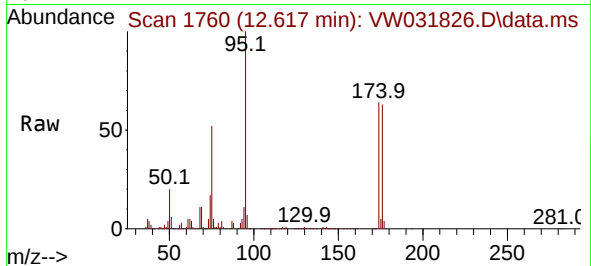




#62
4-Bromofluorobenzene
Concen: 48.354 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031826.D
Acq: 11 Jul 2025 17:38

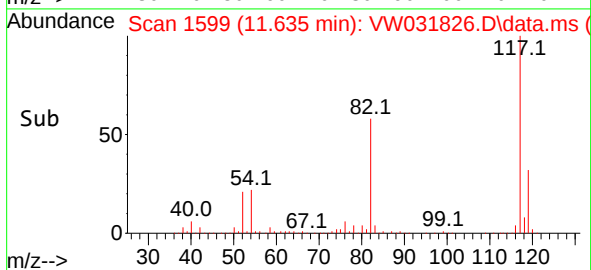
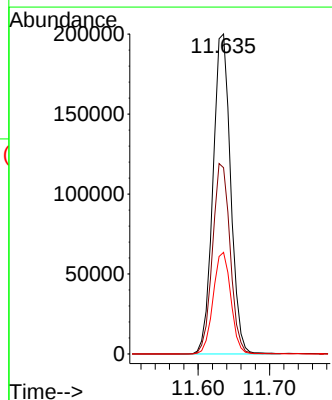
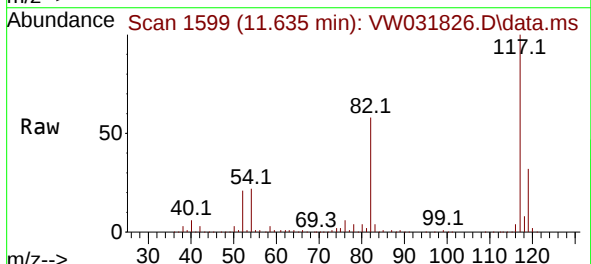
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ClientSampleId :

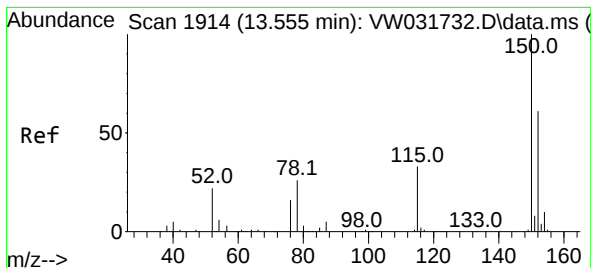
Tgt Ion: 95 Resp: 154385
Ion Ratio Lower Upper
95 100
174 64.7 0.0 133.8
176 61.6 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031826.D
Acq: 11 Jul 2025 17:38

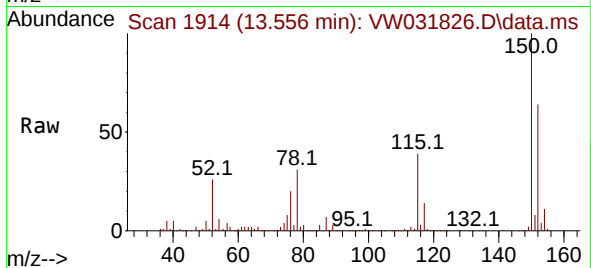
Tgt Ion: 117 Resp: 343067
Ion Ratio Lower Upper
117 100
82 58.2 48.6 72.8
119 31.7 23.9 35.9



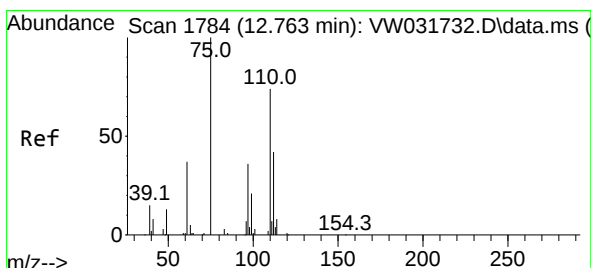
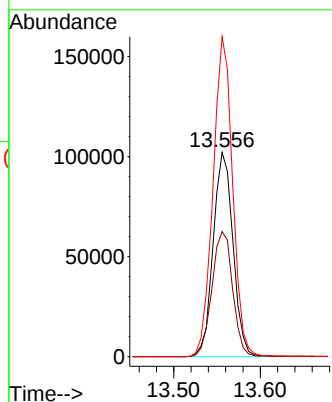
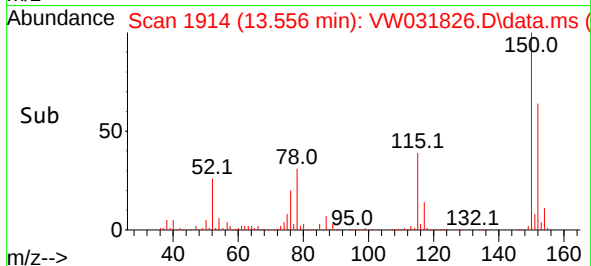


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031826.D
 Acq: 11 Jul 2025 17:38

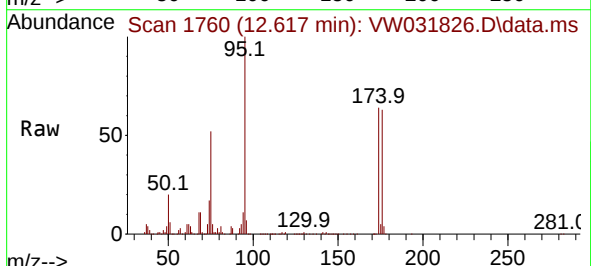
Instrument :
 MSVOA_W
 ClientSampleId :



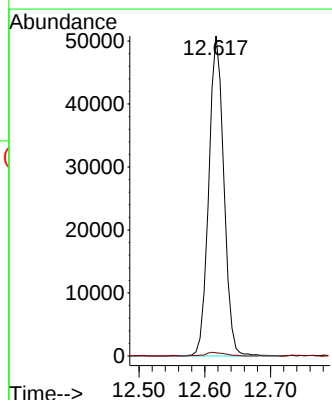
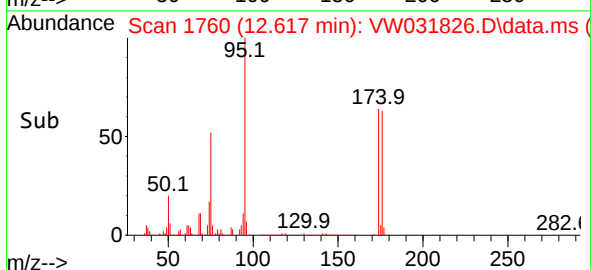
Tgt Ion:152 Resp: 162406
 Ion Ratio Lower Upper
 152 100
 115 63.9 31.9 95.7
 150 154.9 0.0 356.4

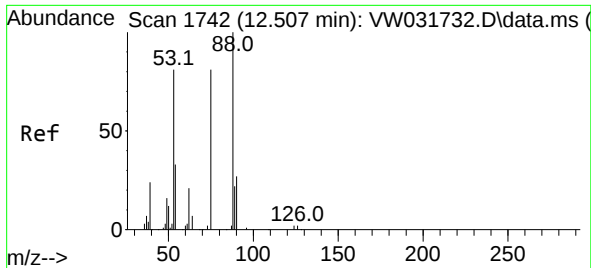


#76
 1,2,3-Trichloropropane
 Concen: 38.593 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW031826.D
 Acq: 11 Jul 2025 17:38



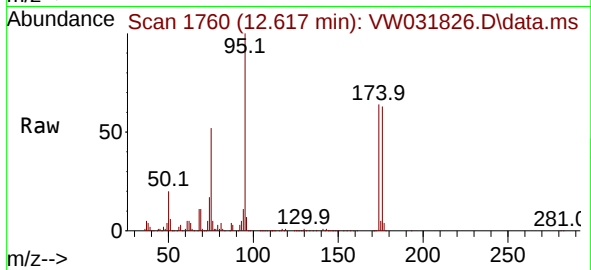
Tgt Ion: 75 Resp: 80996
 Ion Ratio Lower Upper
 75 100
 77 1.5 141.2 423.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.888 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW031826.D
 Acq: 11 Jul 2025 17:38

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.4	83.5	125.3#
89	0.0	38.3	57.5#

