

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
 Data File : VW031897.D
 Acq On : 22 Jul 2025 12:21
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Jul 23 08:19:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

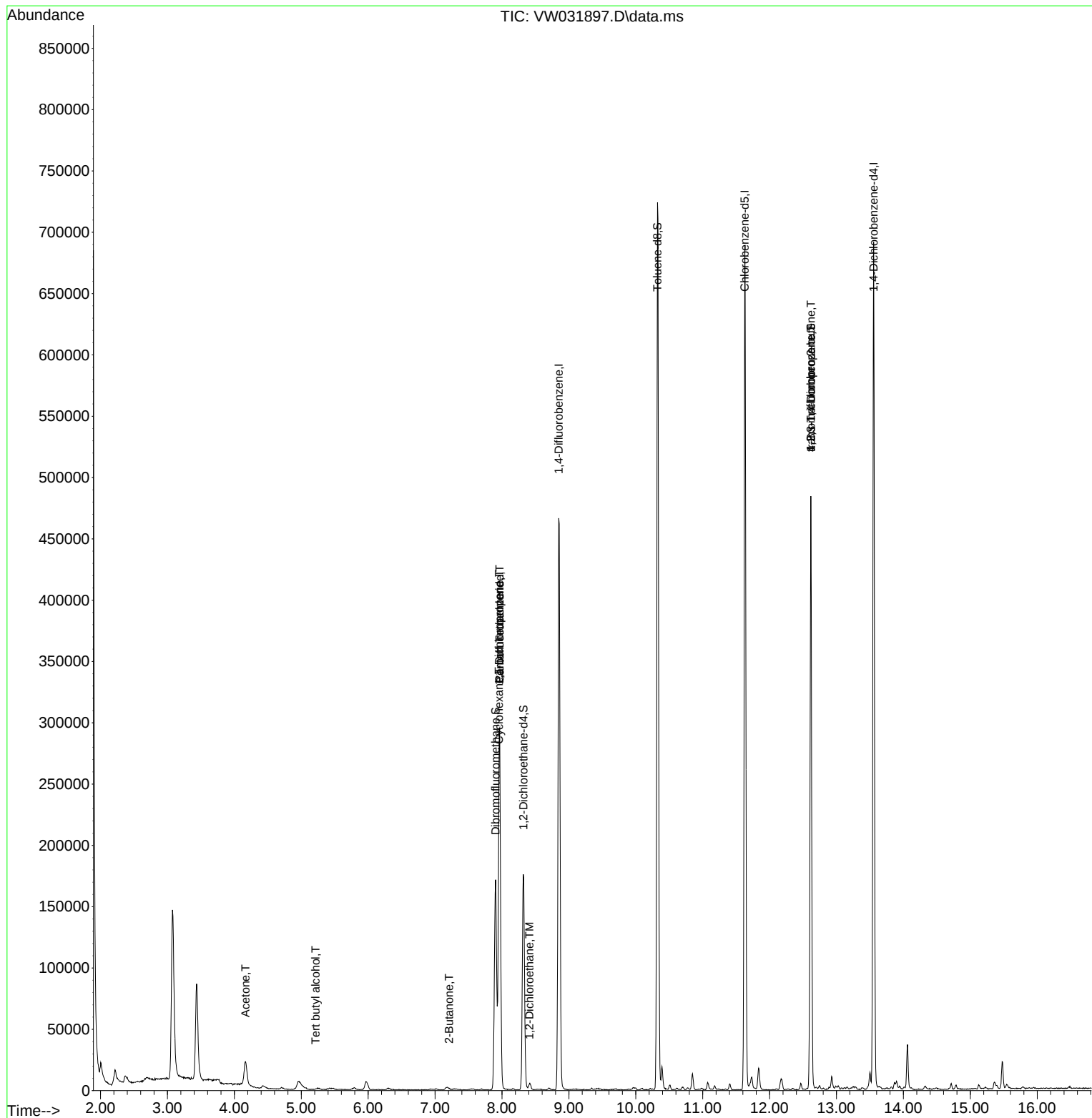
Internal Standards						
1) Pentafluorobenzene	7.965	168	203808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	403960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	374487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	175391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	150601	48.847	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	97.700%
35) Dibromofluoromethane	7.904	113	126422	46.056	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.120%
50) Toluene-d8	10.325	98	484589	46.645	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.300%
62) 4-Bromofluorobenzene	12.617	95	168882	42.336	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	84.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	473	2.610	ug/l #	72
13) Acrolein	3.966	56	139	Below Cal	#	1
16) Acetone	4.167	43	42249	57.748	ug/l	99
20) Methylene Chloride	4.960	84	5280	Below Cal		95
25) 2-Butanone	7.209	43	1632	1.630	ug/l #	74
31) Cyclohexane	7.953	56	5264	1.113	ug/l #	20
36) 1,1-Dichloropropene	7.959	75	18231	4.325	ug/l #	50
38) Carbon Tetrachloride	7.965	117	22865	5.652	ug/l #	18
42) 1,2-Dichloroethane	8.410	62	4718	1.181	ug/l #	75
76) 1,2,3-Trichloropropane	12.617	75	86414	35.686	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	86414	82.388	ug/l #	8

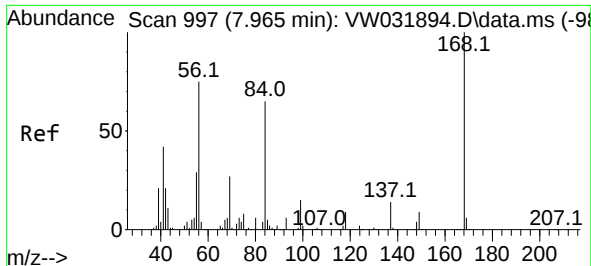
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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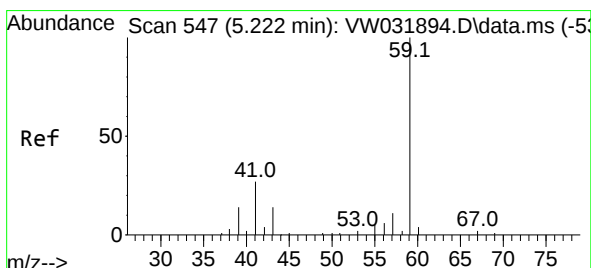
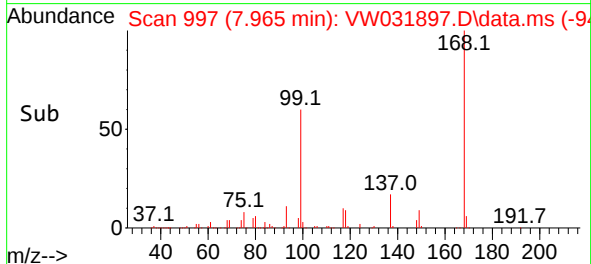
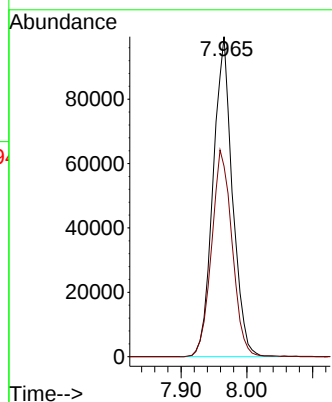
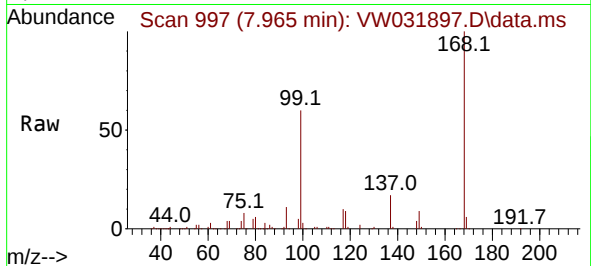




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

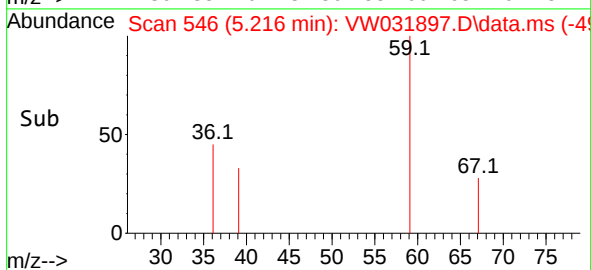
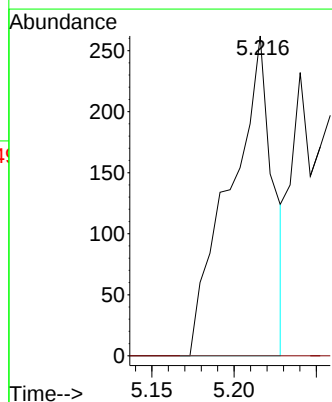
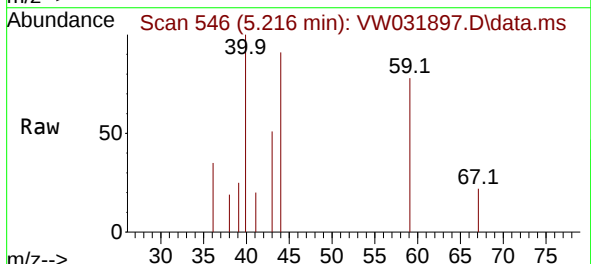
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

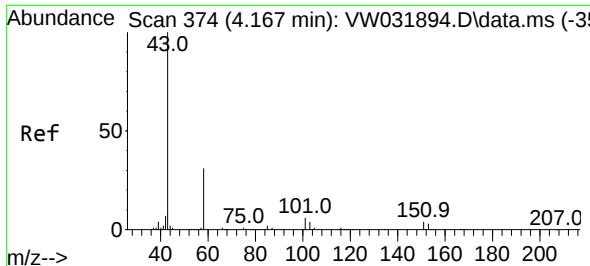
Tgt Ion:168 Resp: 203808
Ion Ratio Lower Upper
168 100
99 59.5 48.2 72.2



#11
Tert butyl alcohol
Concen: 2.610 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

Tgt Ion: 59 Resp: 473
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

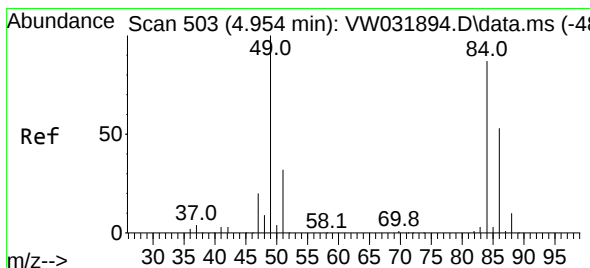
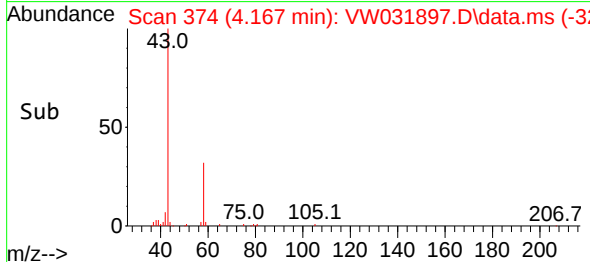
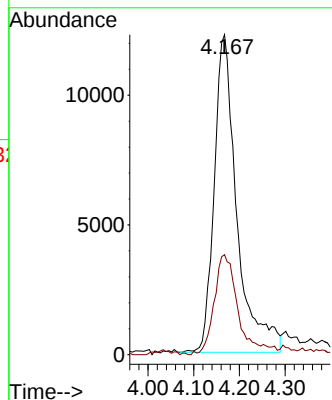
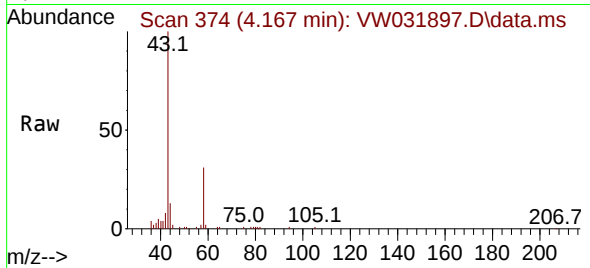




#16
Acetone
Concen: 57.748 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

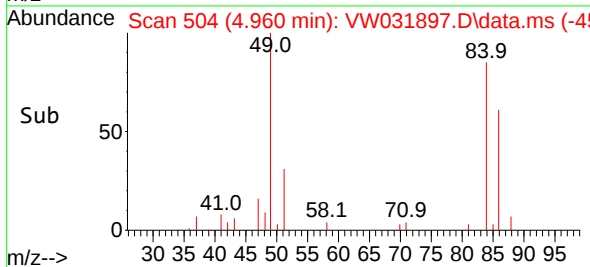
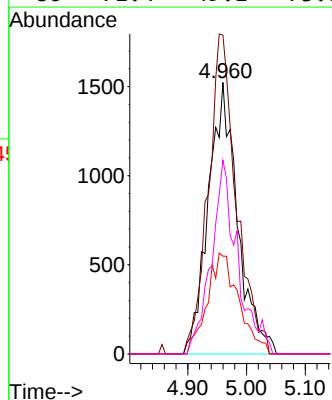
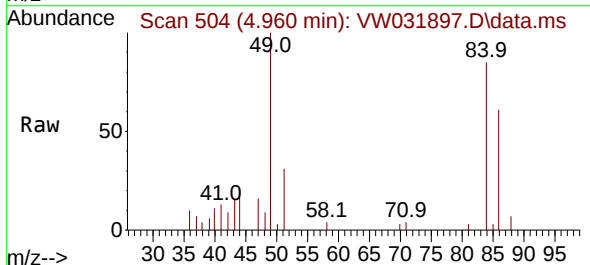
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

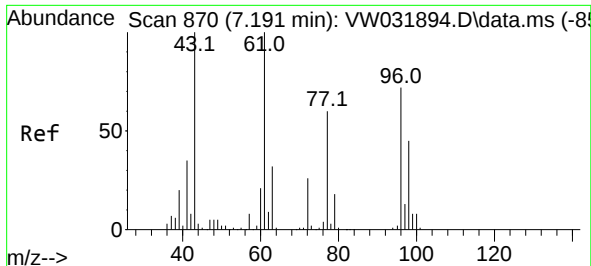
Tgt Ion: 43 Resp: 42249
Ion Ratio Lower Upper
43 100
58 31.5 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

Tgt Ion: 84 Resp: 5280
Ion Ratio Lower Upper
84 100
49 117.4 91.9 137.9
51 36.0 29.0 43.6
86 71.4 49.1 73.7

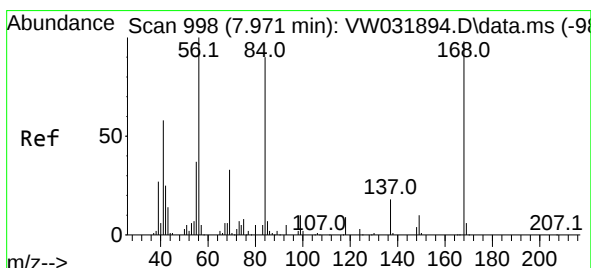
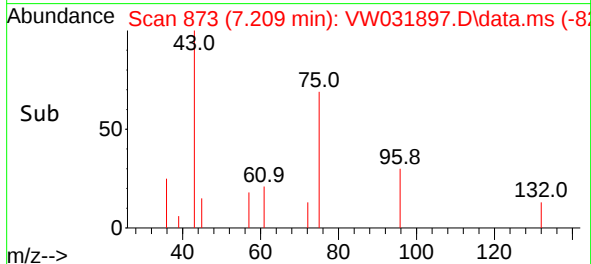
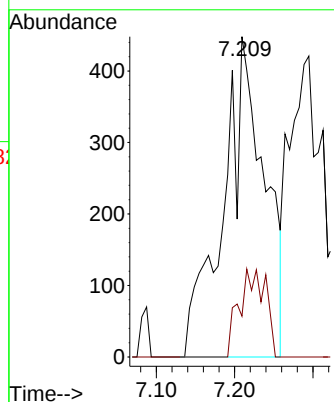
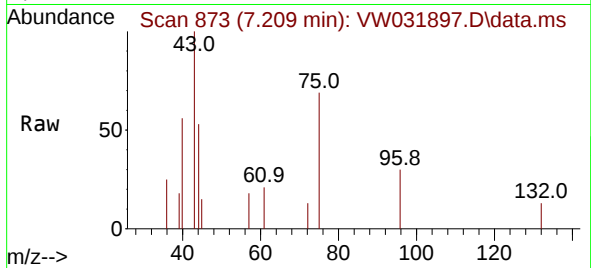




#25
2-Butanone
Concen: 1.630 ug/l
RT: 7.209 min Scan# 81
Delta R.T. 0.018 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

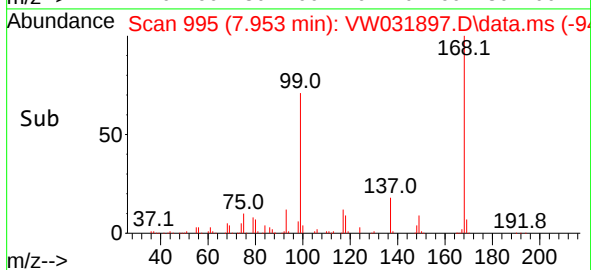
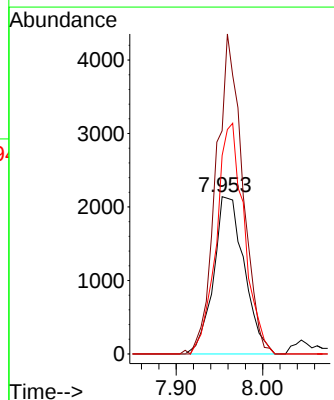
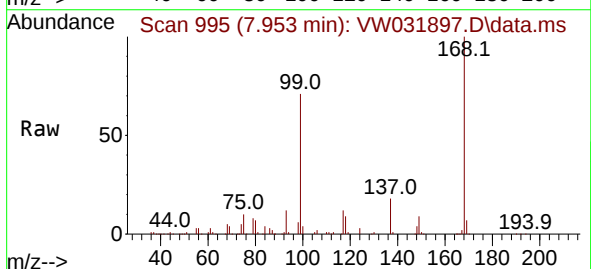
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

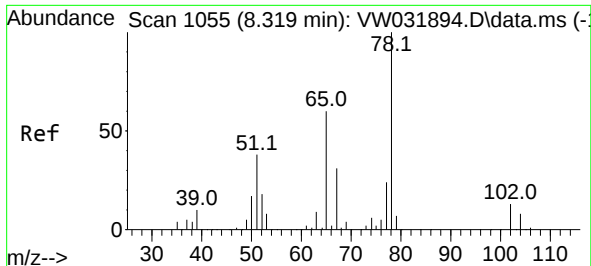
Tgt Ion: 43 Resp: 1632
Ion Ratio Lower Upper
43 100
72 12.7 20.8 31.2#



#31
Cyclohexane
Concen: 1.113 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

Tgt Ion: 56 Resp: 5264
Ion Ratio Lower Upper
56 100
69 141.8 26.7 40.1#
84 126.2 71.8 107.6#

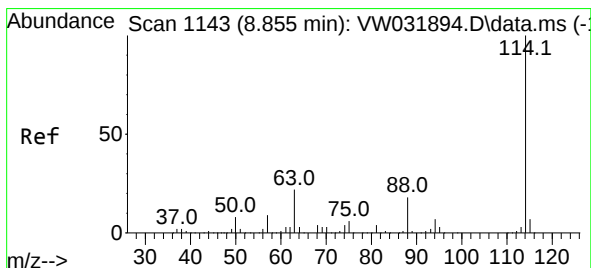
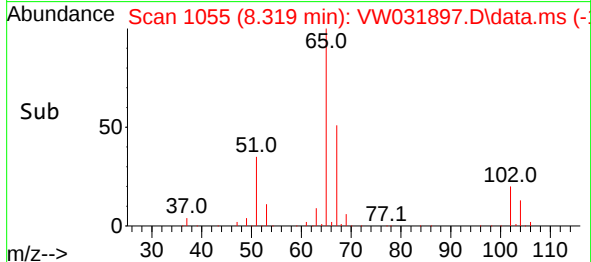
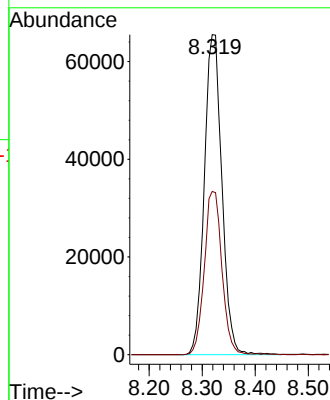
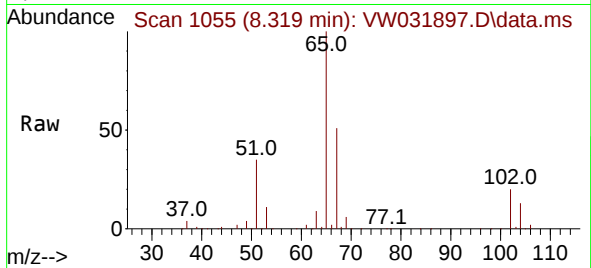




#33
 1,2-Dichloroethane-d4
 Concen: 48.847 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031897.D
 Acq: 22 Jul 2025 12:21

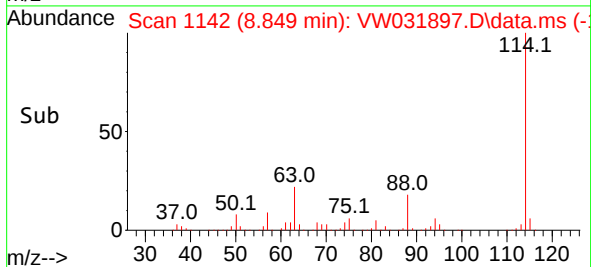
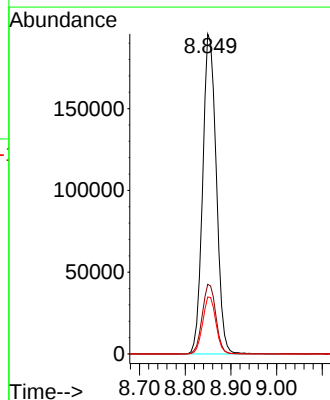
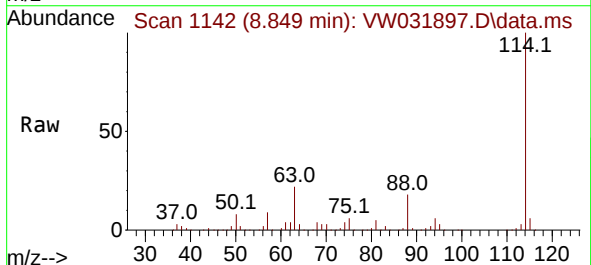
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

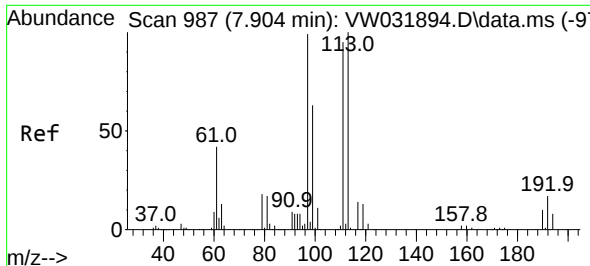
Tgt Ion: 65 Resp: 150601
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW031897.D
 Acq: 22 Jul 2025 12:21

Tgt Ion: 114 Resp: 403960
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 44.2
 88 17.8 0.0 35.6

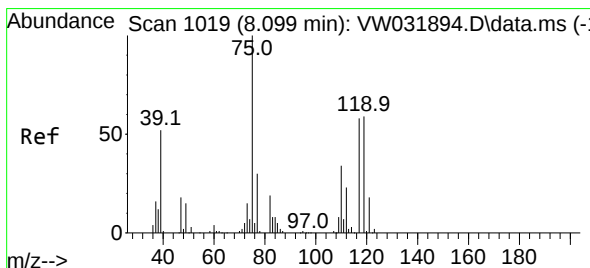
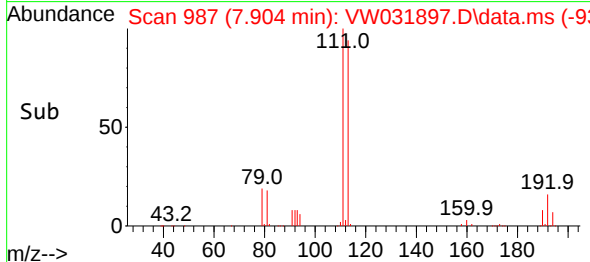
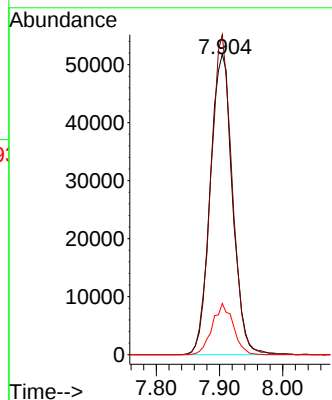
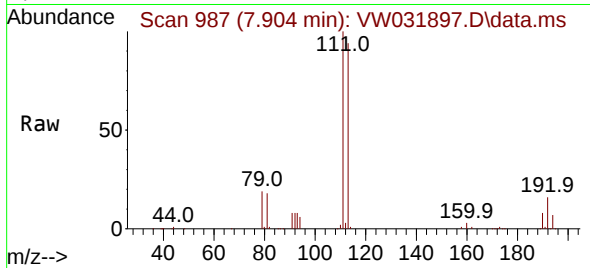




#35
Dibromofluoromethane
Concen: 46.056 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

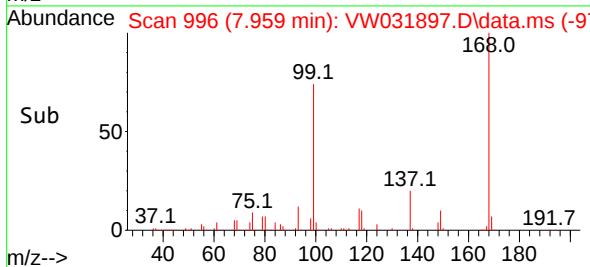
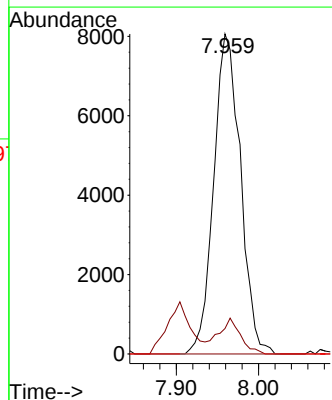
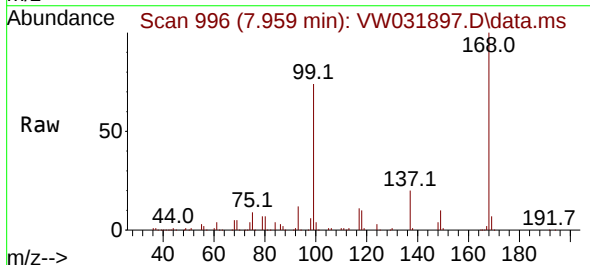
Instrument :
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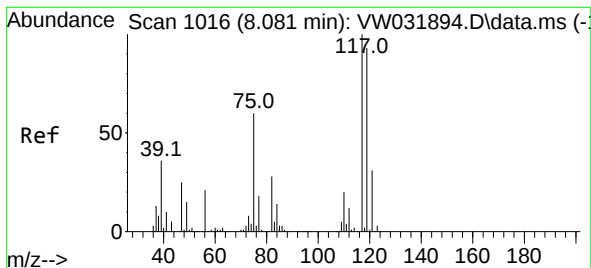
Tgt Ion: 113 Resp: 126422
Ion Ratio Lower Upper
113 100
111 102.3 79.9 119.9
192 16.1 12.6 19.0



#36
1,1-Dichloropropene
Concen: 4.325 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

Tgt Ion: 75 Resp: 18231
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.652 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW031897.D

Acq: 22 Jul 2025 12:21

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

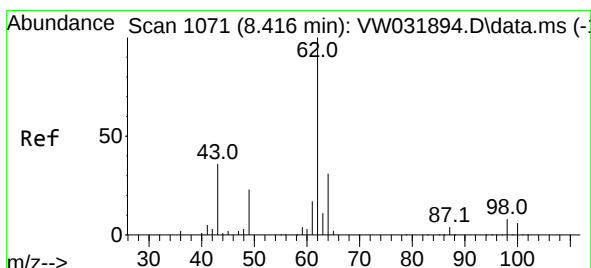
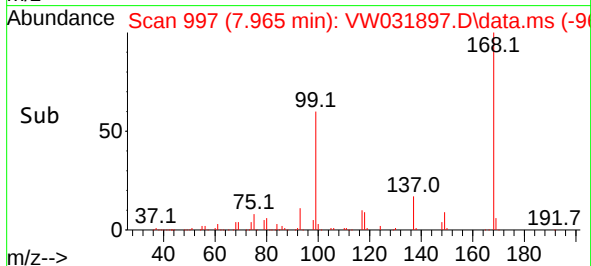
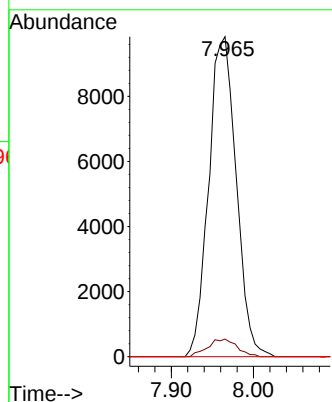
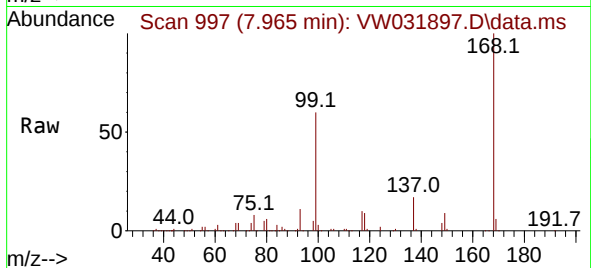
Tgt Ion:117 Resp: 22865

Ion Ratio Lower Upper

117 100

119 5.5 74.3 111.5#

121 0.0 24.6 37.0#



#42

1,2-Dichloroethane

Concen: 1.181 ug/l

RT: 8.410 min Scan# 1070

Delta R.T. -0.006 min

Lab File: VW031897.D

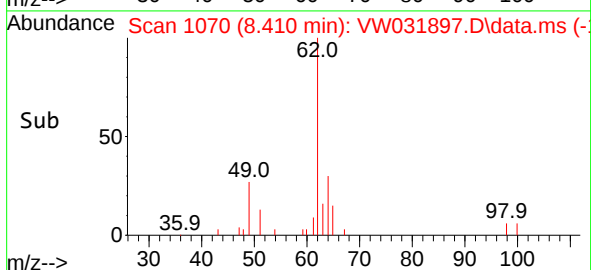
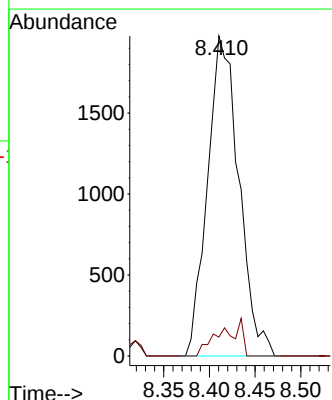
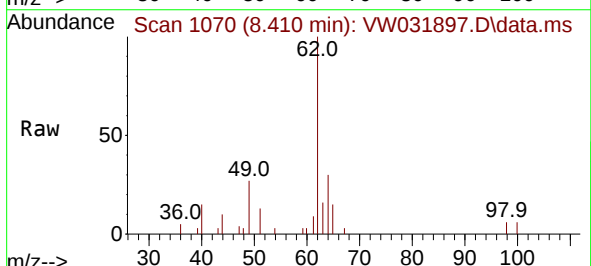
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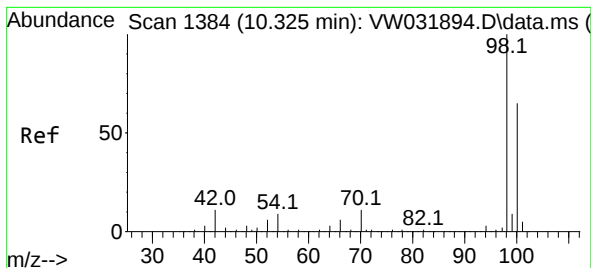
Tgt Ion: 62 Resp: 4718

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2

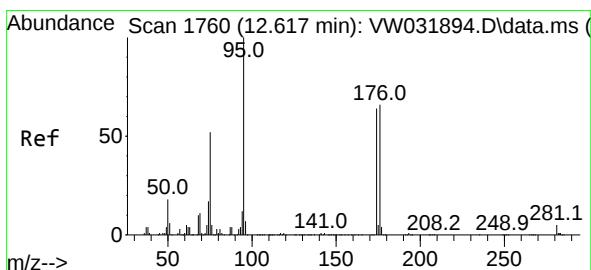
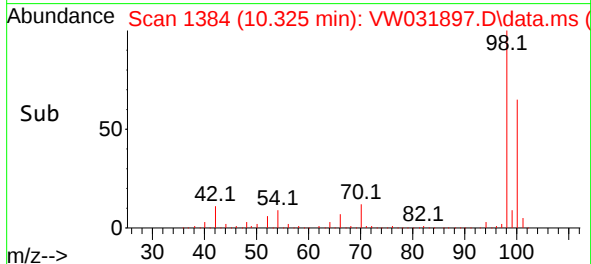
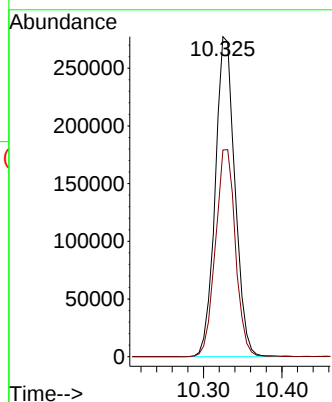
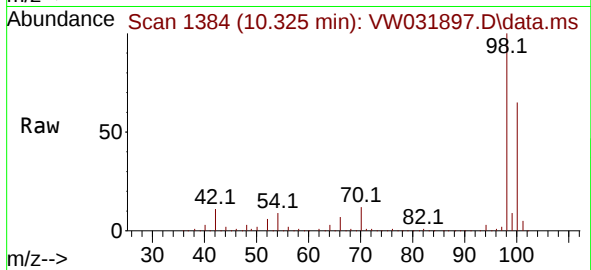




#50
Toluene-d8
Concen: 46.645 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

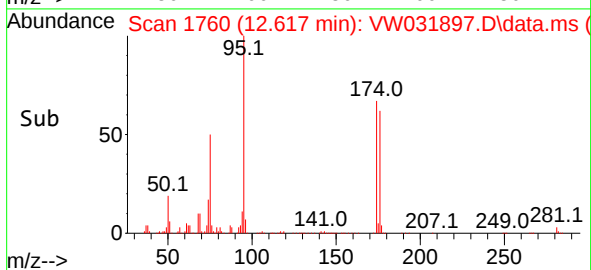
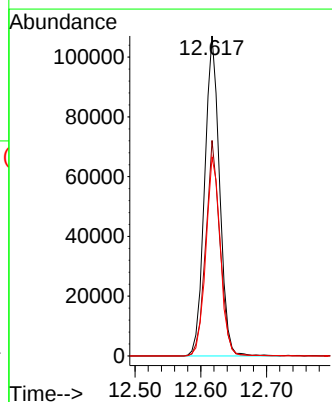
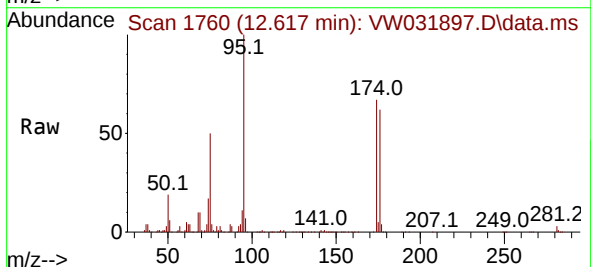
Instrument :
MSVOA_W
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VIBLK

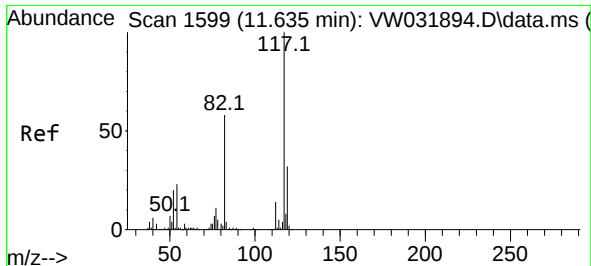
Tgt Ion: 98 Resp: 484589
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 42.336 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

Tgt Ion: 95 Resp: 168882
Ion Ratio Lower Upper
95 100
174 64.0 0.0 129.8
176 60.7 0.0 130.4

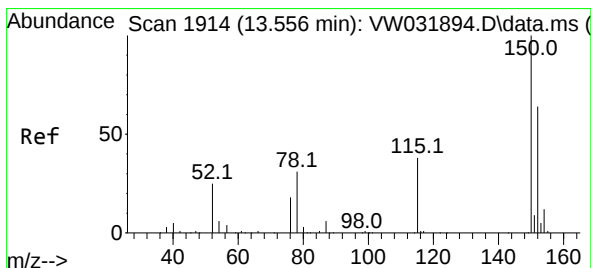
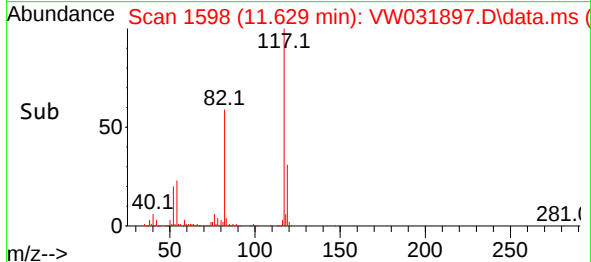
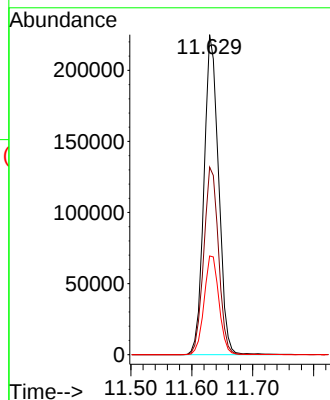
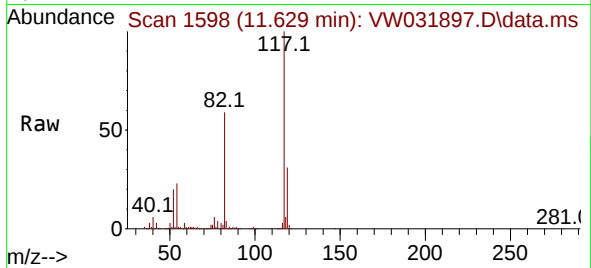




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

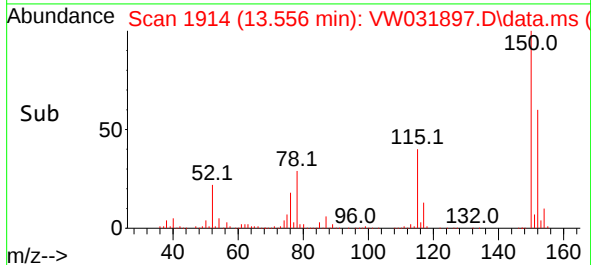
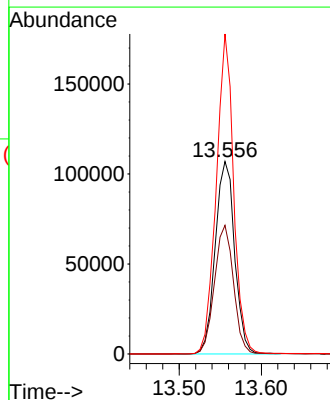
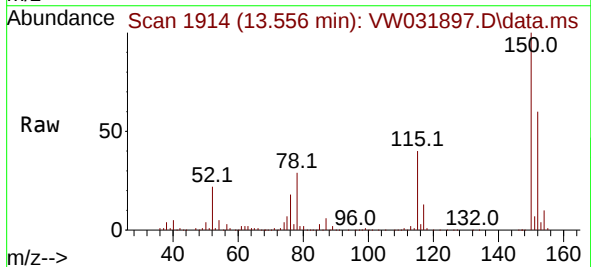
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

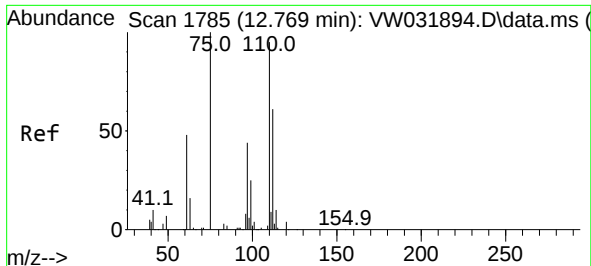
Tgt Ion:117 Resp: 374487
Ion Ratio Lower Upper
117 100
82 58.6 46.5 69.7
119 30.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

Tgt Ion:152 Resp: 175391
Ion Ratio Lower Upper
152 100
115 65.9 33.4 100.1
150 149.5 0.0 352.2

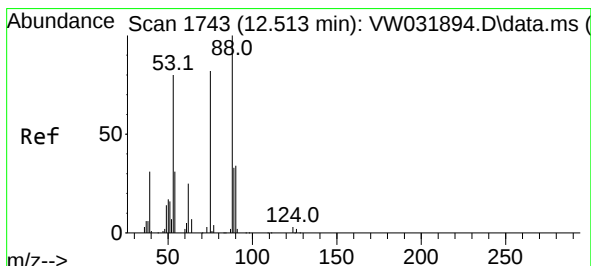
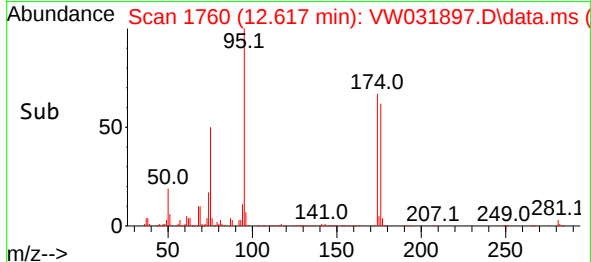
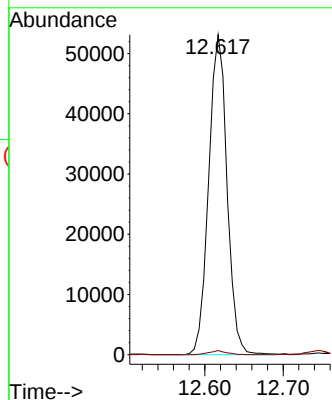
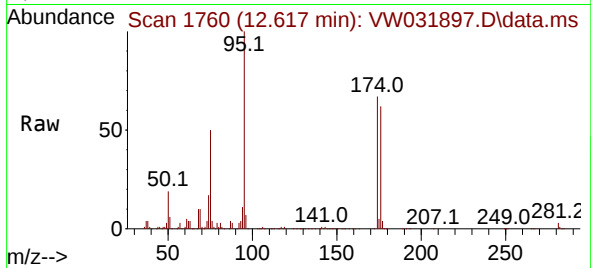




#76
1,2,3-Trichloropropane
Concen: 35.686 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 86414
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.388 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031897.D
Acq: 22 Jul 2025 12:21

Tgt Ion: 75 Resp: 86414
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.1 39.0 58.6#

