

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032020.D
 Acq On : 05 Aug 2025 17:53
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Aug 06 03:57:59 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	7.959	168	200982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	405616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	388915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	188660	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	134840	44.350	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	88.700%
35) Dibromofluoromethane	7.898	113	120844	43.844	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	87.680%
50) Toluene-d8	10.325	98	474710	45.508	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.020%
62) 4-Bromofluorobenzene	12.617	95	180319	45.018	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	90.040%

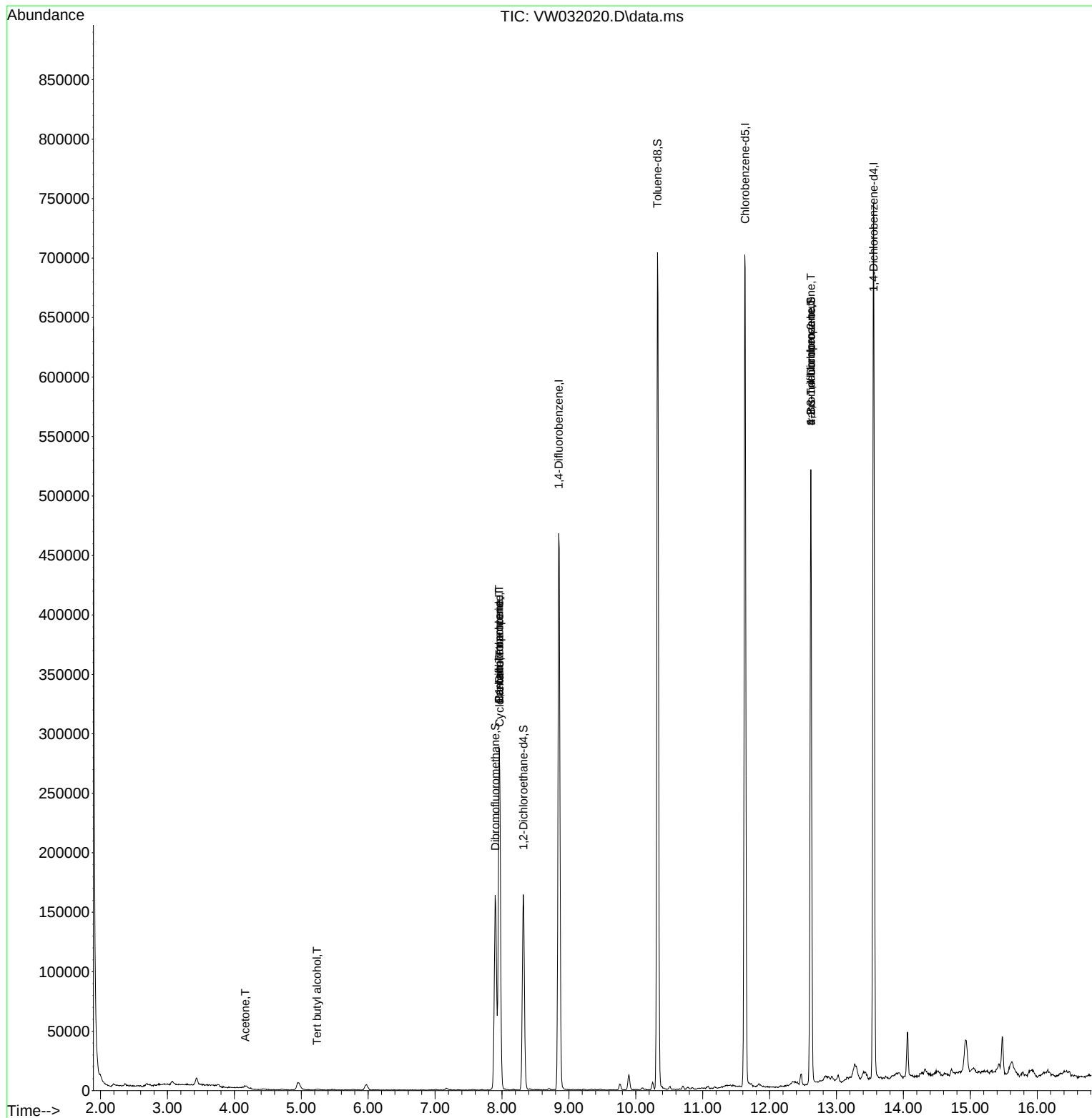
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.234	59	245	1.371	ug/l #	72
13) Acrolein	3.929	56	129	Below	Cal	84
16) Acetone	4.161	43	3094	4.289	ug/l #	85
20) Methylene Chloride	4.947	84	5552	Below	Cal #	91
31) Cyclohexane	7.965	56	4699	1.008	ug/l #	3
36) 1,1-Dichloropropene	7.959	75	18666	4.410	ug/l #	50
38) Carbon Tetrachloride	7.959	117	22832	5.621	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	95544	36.681	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	95544	84.686	ug/l #	8

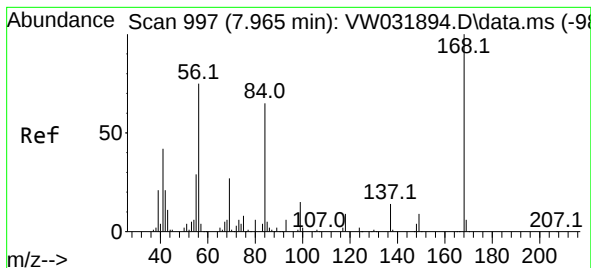
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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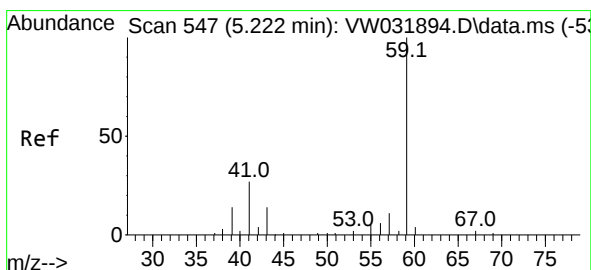
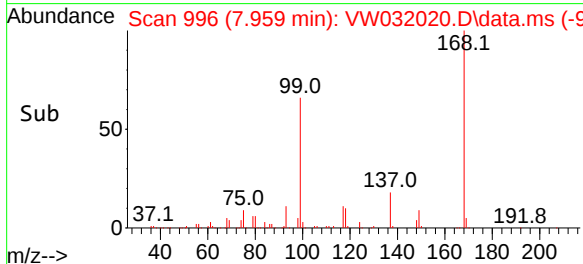
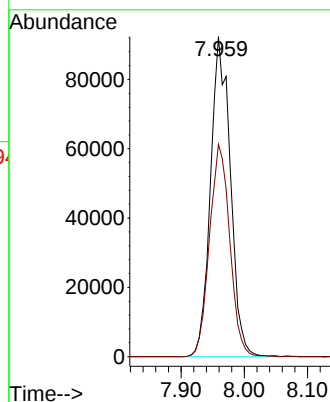
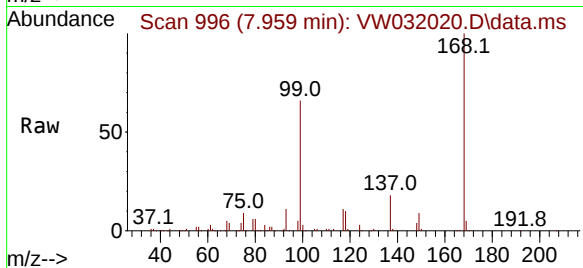




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

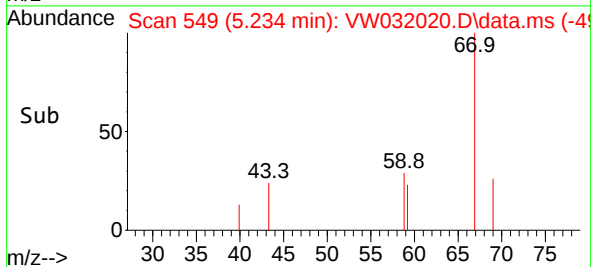
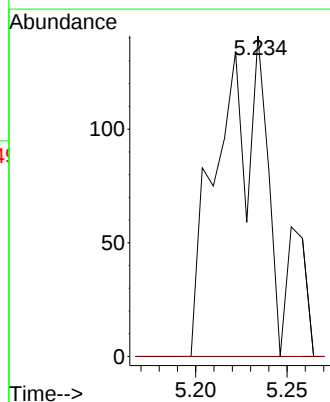
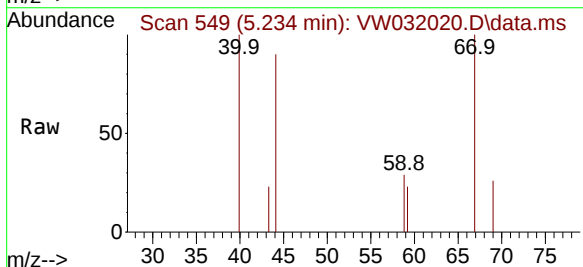
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

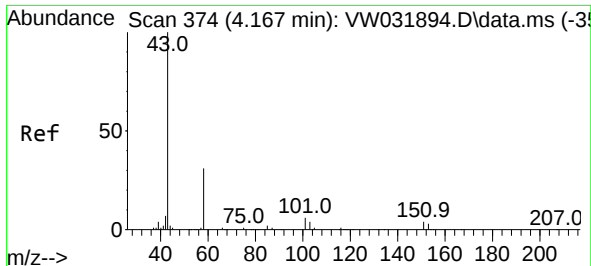
Tgt Ion:168 Resp: 200982
Ion Ratio Lower Upper
168 100
99 66.4 48.2 72.2



#11
Tert butyl alcohol
Concen: 1.371 ug/l
RT: 5.234 min Scan# 549
Delta R.T. 0.012 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

Tgt Ion: 59 Resp: 245
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

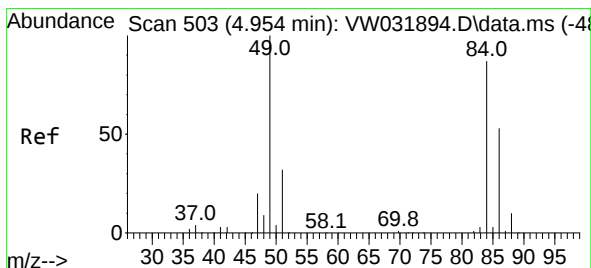
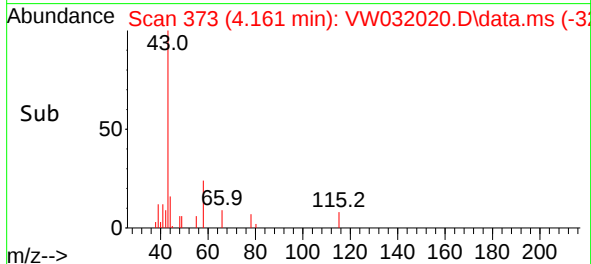
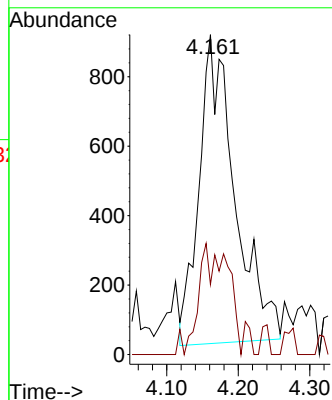
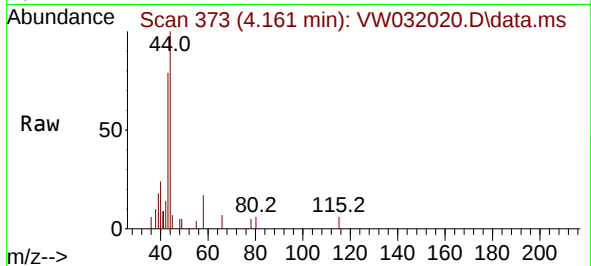




#16
Acetone
Concen: 4.289 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

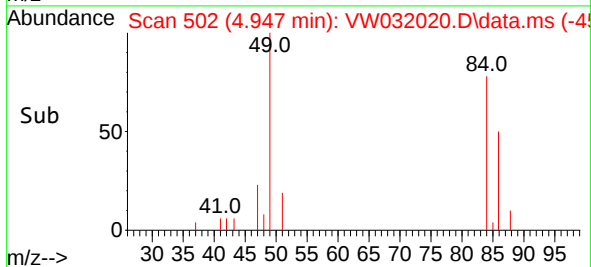
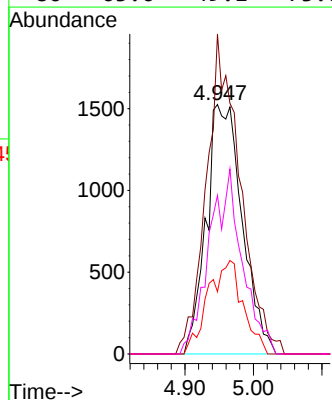
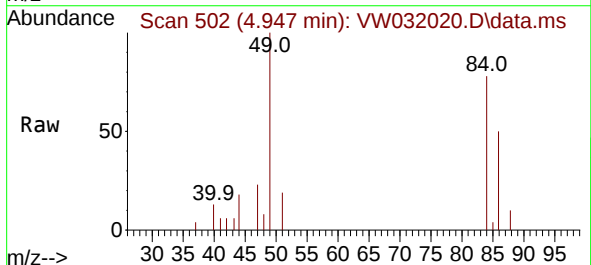
Instrument :
MSVOA_W
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VIBLK

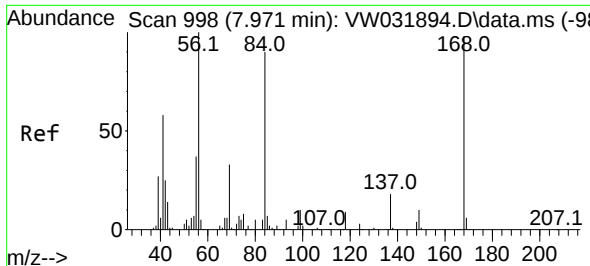
Tgt Ion: 43 Resp: 3094
Ion Ratio Lower Upper
43 100
58 23.4 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.947 min Scan# 502
Delta R.T. -0.007 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

Tgt Ion: 84 Resp: 5552
Ion Ratio Lower Upper
84 100
49 123.9 91.9 137.9
51 24.9 29.0 43.6#
86 63.6 49.1 73.7

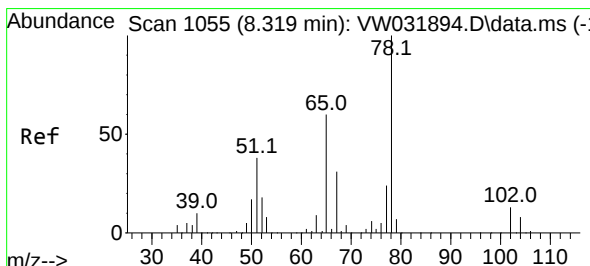
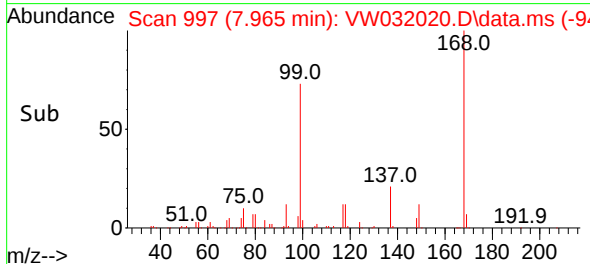
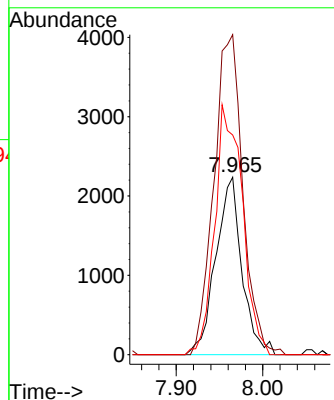
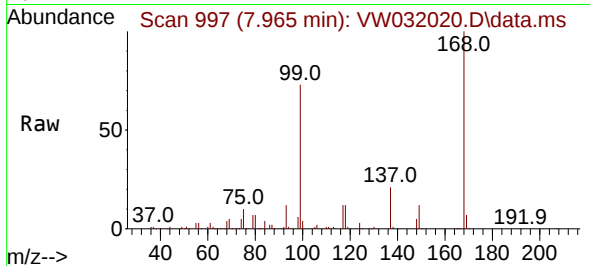




#31
Cyclohexane
Concen: 1.008 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

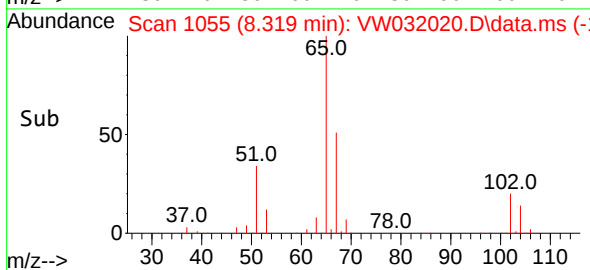
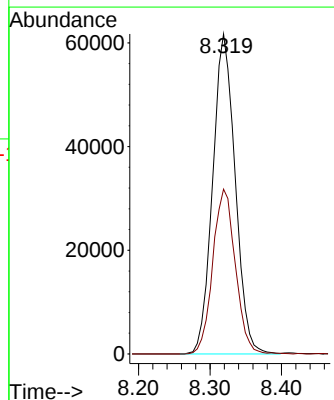
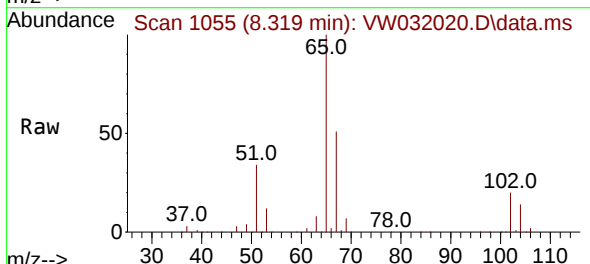
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

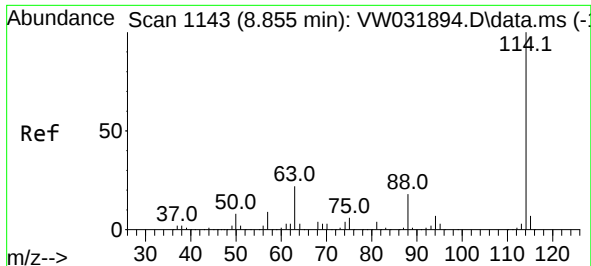
Tgt Ion: 56 Resp: 4699
Ion Ratio Lower Upper
56 100
69 180.3 26.7 40.1#
84 123.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 44.350 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

Tgt Ion: 65 Resp: 134840
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW032020.D

Acq: 05 Aug 2025 17:53

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

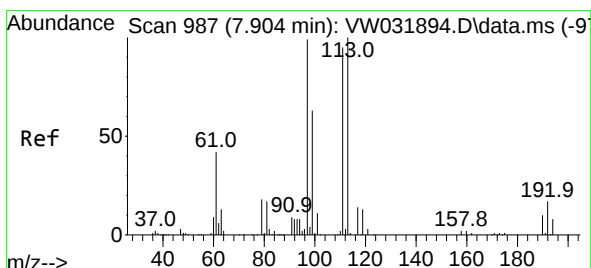
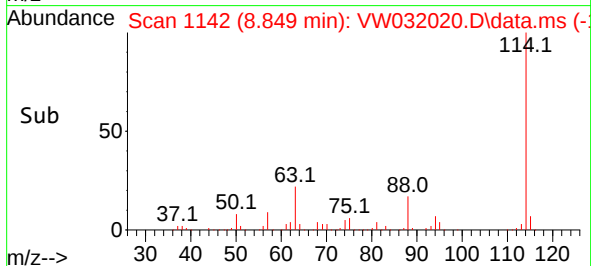
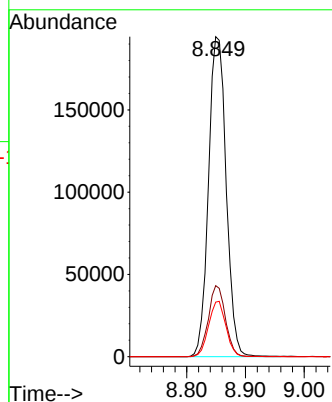
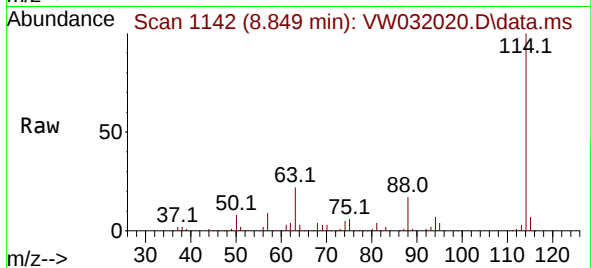
Tgt Ion:114 Resp: 405616

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.2

88 17.0 0.0 35.6



#35

Dibromofluoromethane

Concen: 43.844 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032020.D

Acq: 05 Aug 2025 17:53

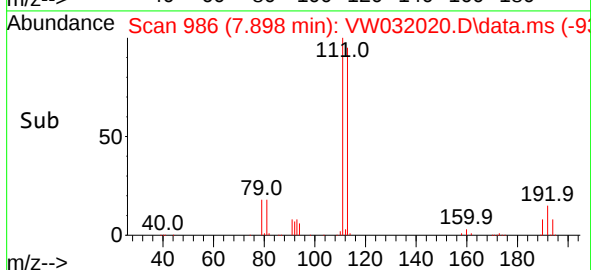
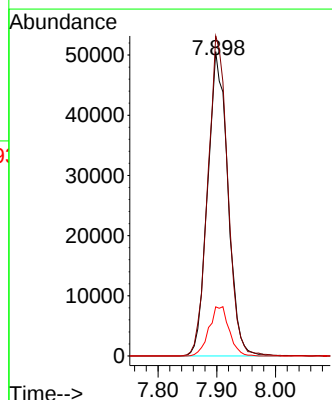
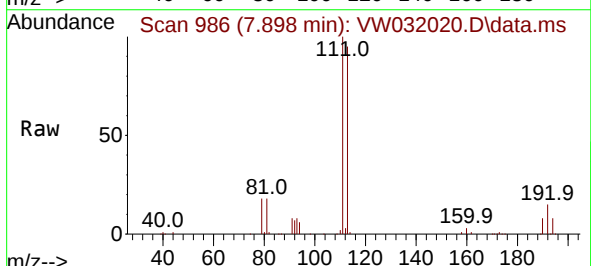
Tgt Ion:113 Resp: 120844

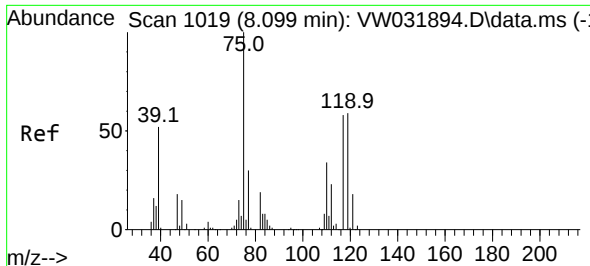
Ion Ratio Lower Upper

113 100

111 103.6 79.9 119.9

192 16.1 12.6 19.0

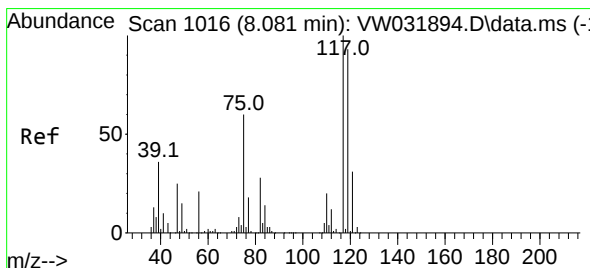
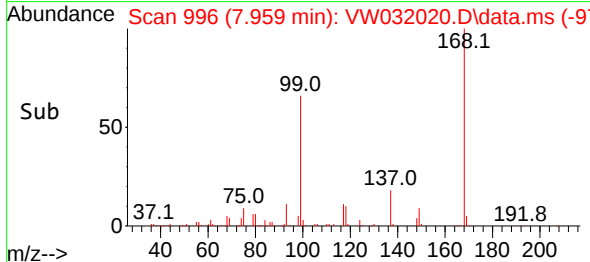
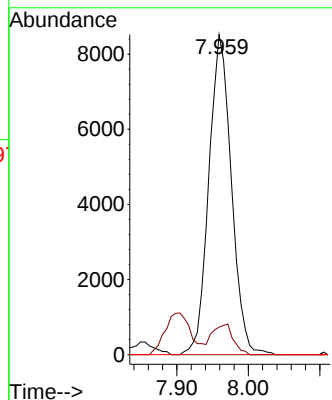
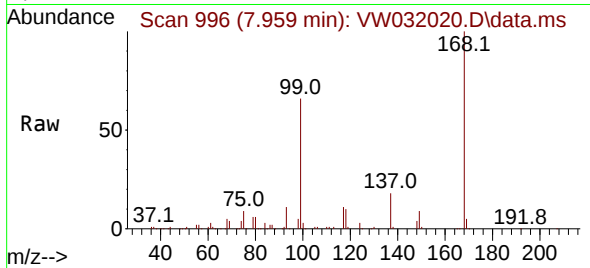




#36
1,1-Dichloropropene
Concen: 4.410 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

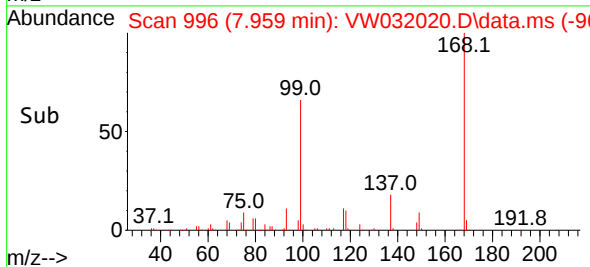
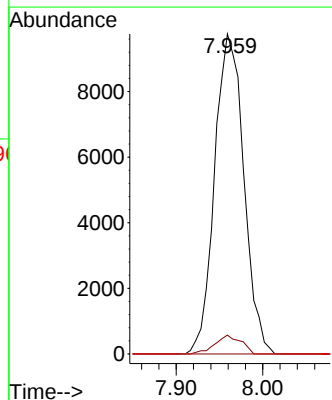
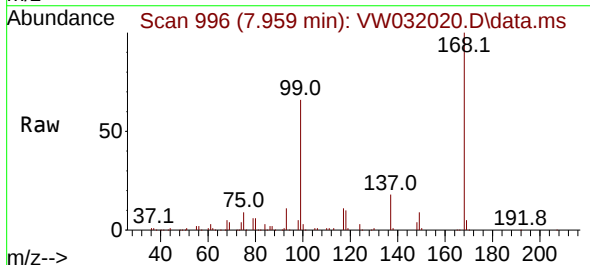
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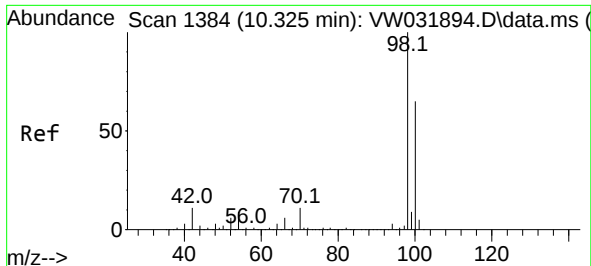
Tgt Ion: 75 Resp: 18666
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.621 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

Tgt Ion: 117 Resp: 22832
Ion Ratio Lower Upper
117 100
119 5.9 74.3 111.5#
121 0.0 24.6 37.0#

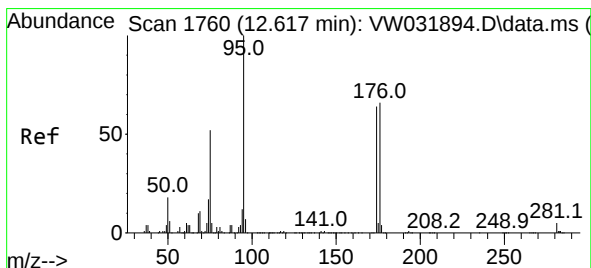
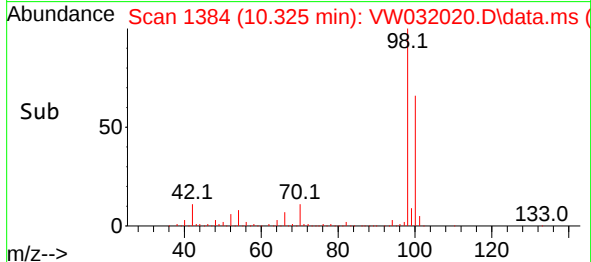
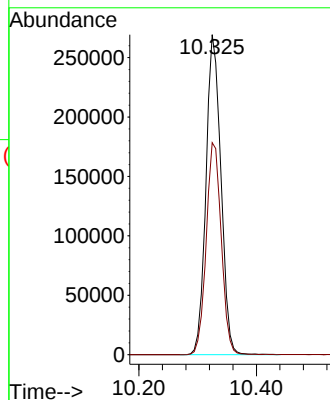
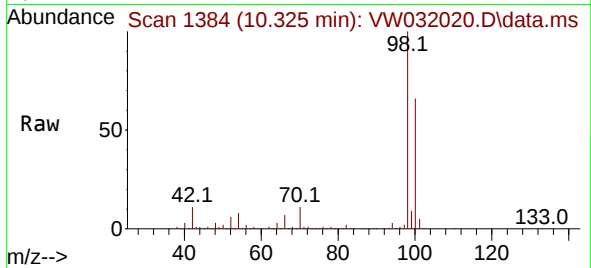




#50
Toluene-d8
Concen: 45.508 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

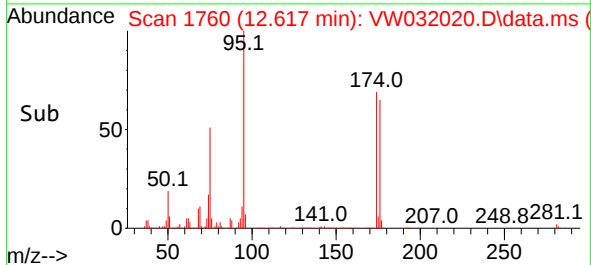
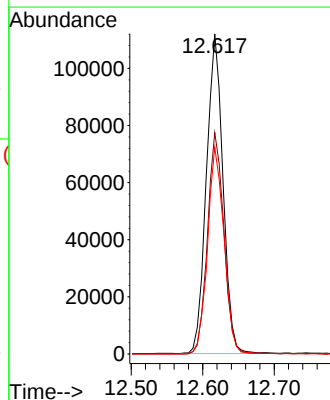
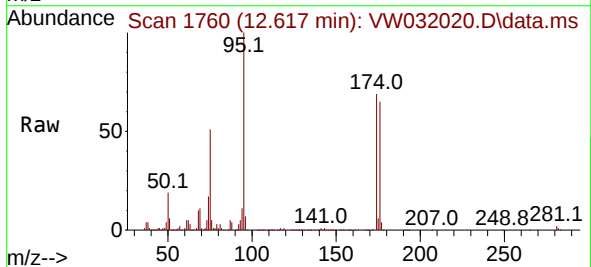
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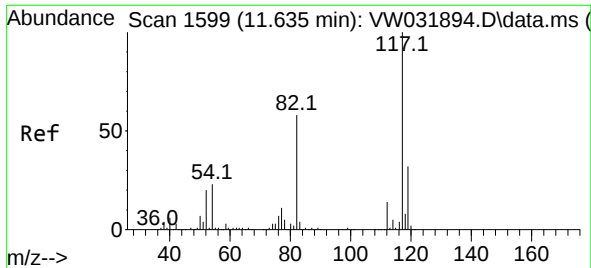
Tgt Ion: 98 Resp: 474710
Ion Ratio Lower Upper
98 100
100 66.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.018 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

Tgt Ion: 95 Resp: 180319
Ion Ratio Lower Upper
95 100
174 68.5 0.0 129.8
176 64.3 0.0 130.4

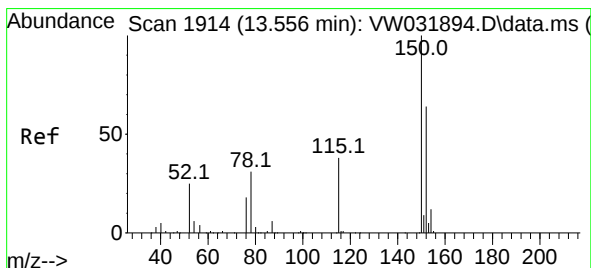
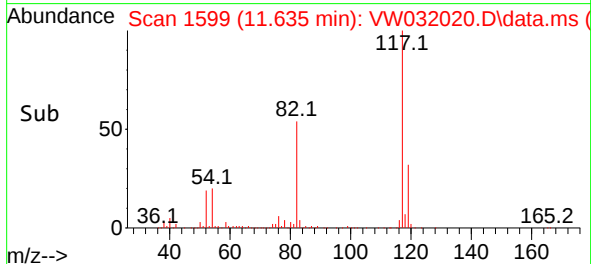
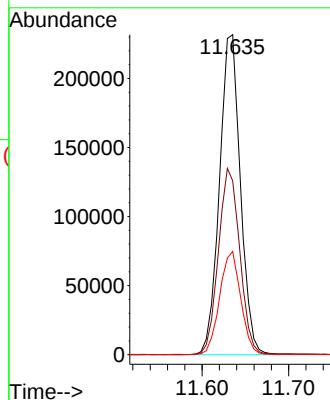
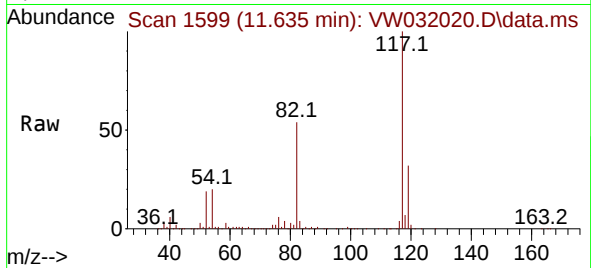




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

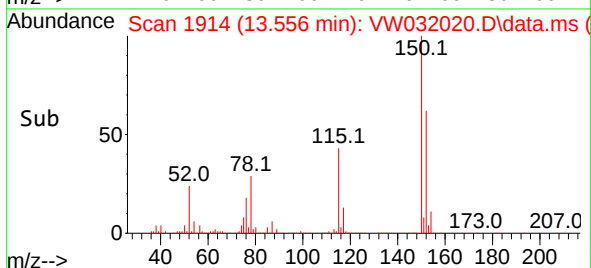
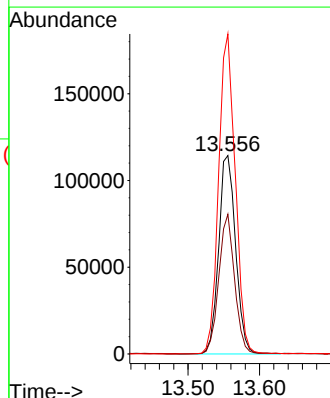
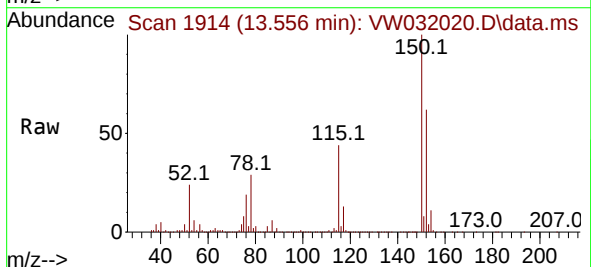
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

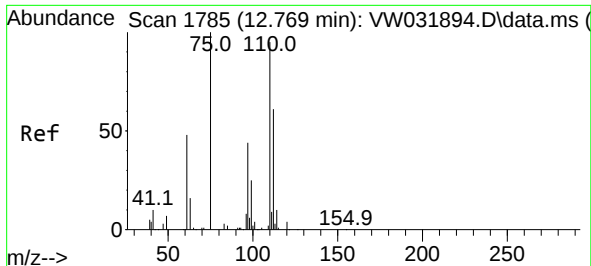
Tgt Ion:117 Resp: 388915
Ion Ratio Lower Upper
117 100
82 54.2 46.5 69.7
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

Tgt Ion:152 Resp: 188660
Ion Ratio Lower Upper
152 100
115 65.7 33.4 100.1
150 158.0 0.0 352.2

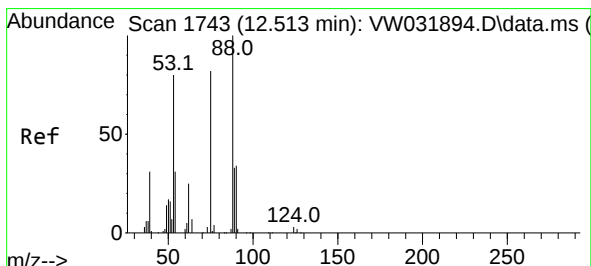
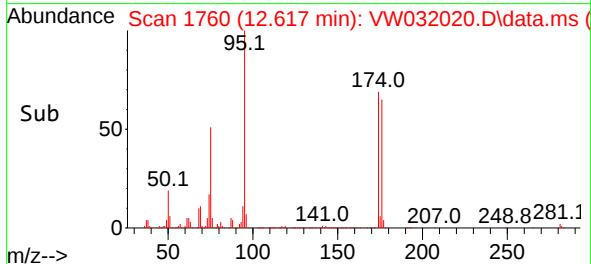
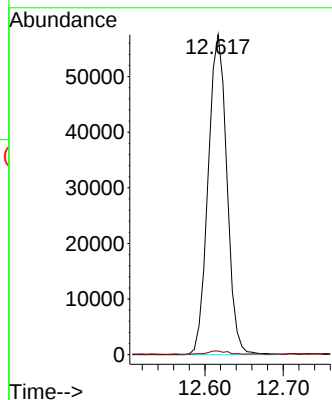
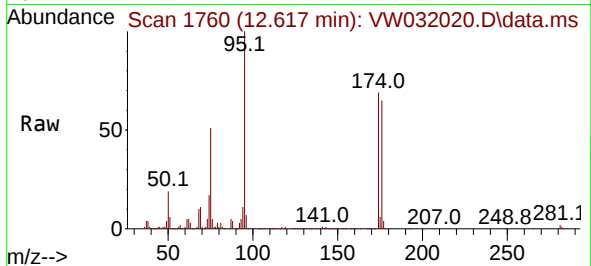




#76
1,2,3-Trichloropropane
Concen: 36.681 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 95544
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.686 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032020.D
Acq: 05 Aug 2025 17:53

Tgt Ion: 75 Resp: 95544
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 39.0 58.6#

