

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072525\
 Data File : VW031933.D
 Acq On : 25 Jul 2025 12:12
 Operator : SY/MD
 Sample : Q2691-01
 Misc : 4.64g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 295RE

Quant Time: Jul 25 23:04:48 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)

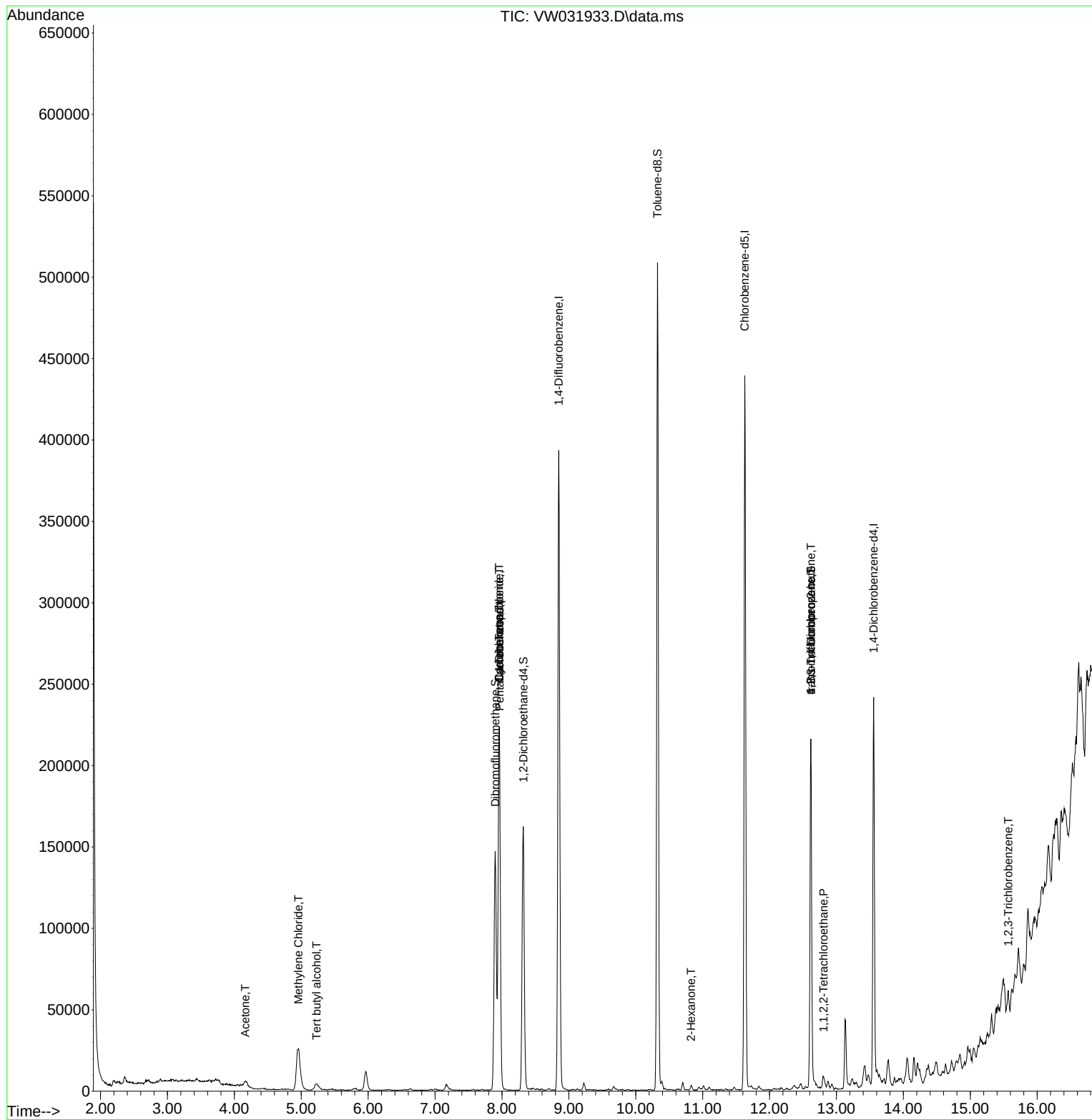
Internal Standards						
1) Pentafluorobenzene	7.965	168	154586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	326639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	241454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	59137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	135112	57.777	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	115.560%
35) Dibromofluoromethane	7.898	113	108615	48.935	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.880%
50) Toluene-d8	10.325	98	335895	39.986	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	79.980%
62) 4-Bromofluorobenzene	12.617	95	81470	25.258	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	50.520%
Target Compounds						Qvalue
11) Tert butyl alcohol	5.228	59	7669	55.791	ug/l #	83
13) Acrolein	3.960	56	198	Below Cal		85
16) Acetone	4.161	43	4954	8.928	ug/l #	83
20) Methylene Chloride	4.960	84	26161	7.021	ug/l	99
31) Cyclohexane	7.959	56	4042	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	14965	4.390	ug/l #	49
38) Carbon Tetrachloride	7.959	117	17651	5.396	ug/l #	19
59) 2-Hexanone	10.825	43	1747	1.305	ug/l	66
75) 1,1,2,2-Tetrachloroethane	12.806	83	3168	2.909	ug/l #	32
76) 1,2,3-Trichloropropane	12.617	75	40766	49.929	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	40766	115.273	ug/l #	8
96) 1,2,3-Trichlorobenzene	15.568	180	1368	1.222	ug/l #	27

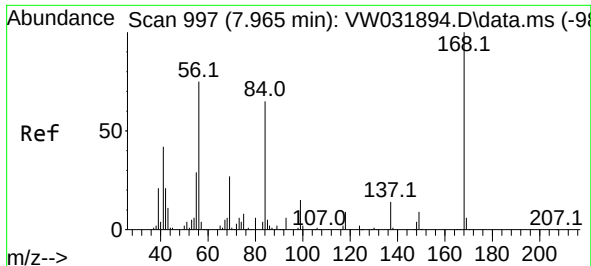
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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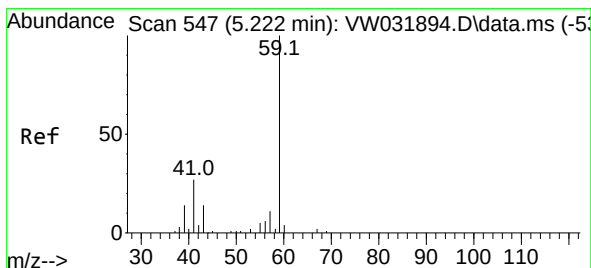
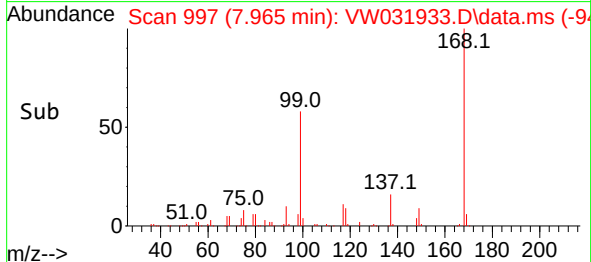
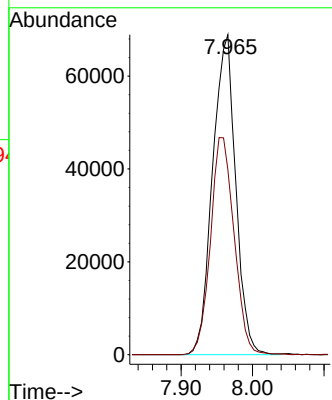
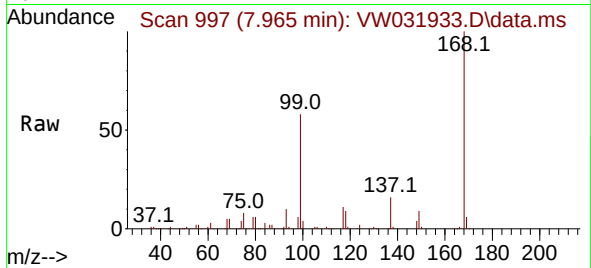




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

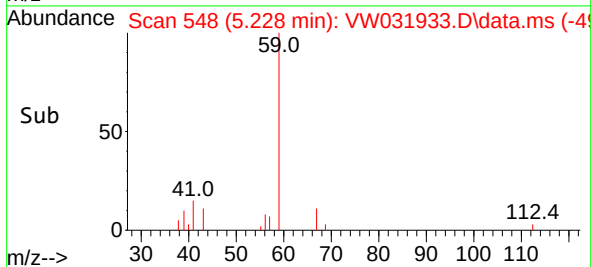
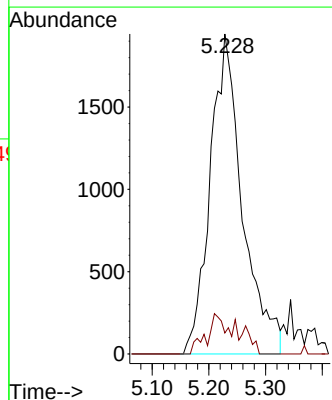
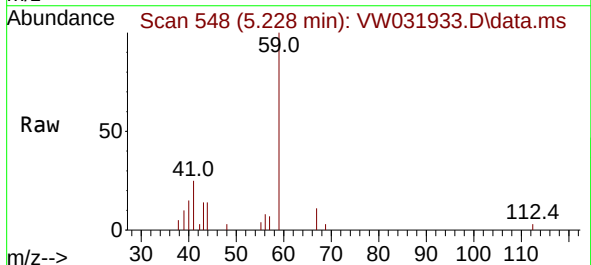
Instrument :
MSVOA_W
ClientSampleId :
295RE

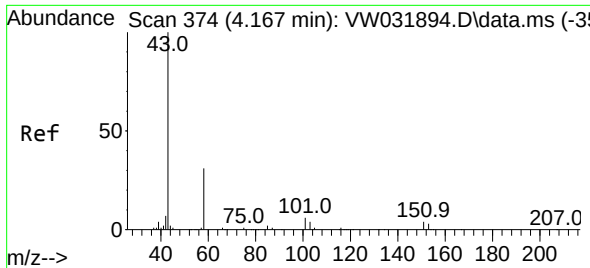
Tgt Ion:168 Resp: 154586
Ion Ratio Lower Upper
168 100
99 57.8 48.2 72.2



#11
Tert butyl alcohol
Concen: 55.791 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

Tgt Ion: 59 Resp: 7669
Ion Ratio Lower Upper
59 100
57 4.1 8.6 12.8#





#16

Acetone

Concen: 8.928 ug/l

RT: 4.161 min Scan# 31

Delta R.T. -0.006 min

Lab File: VW031933.D

Acq: 25 Jul 2025 12:12

Instrument :

MSVOA_W

ClientSampleId :

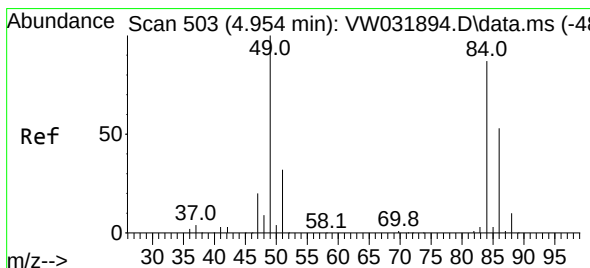
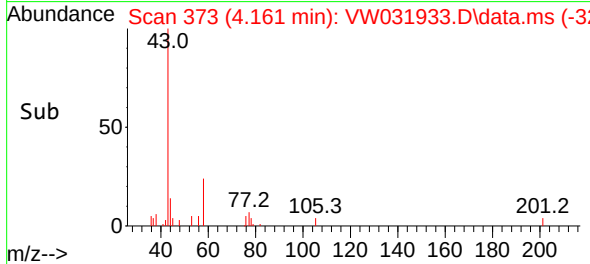
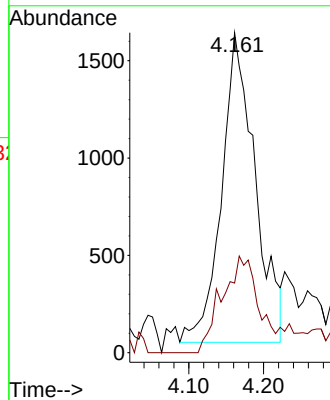
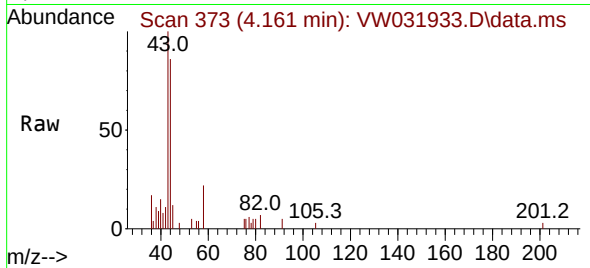
295RE

Tgt Ion: 43 Resp: 4954

Ion Ratio Lower Upper

43 100

58 22.5 25.5 38.3#



#20

Methylene Chloride

Concen: 7.021 ug/l

RT: 4.960 min Scan# 504

Delta R.T. 0.006 min

Lab File: VW031933.D

Acq: 25 Jul 2025 12:12

Tgt Ion: 84 Resp: 26161

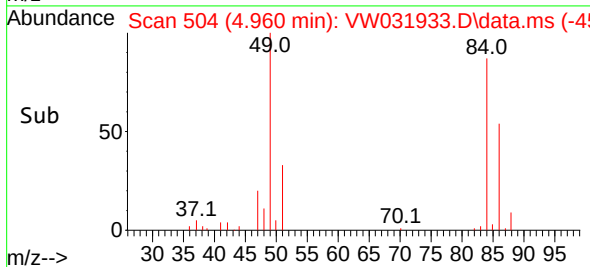
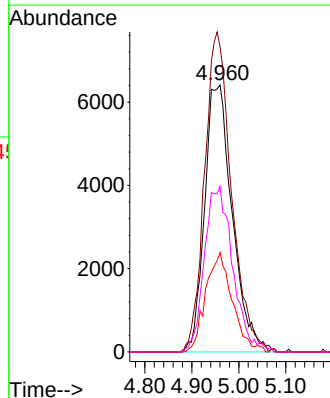
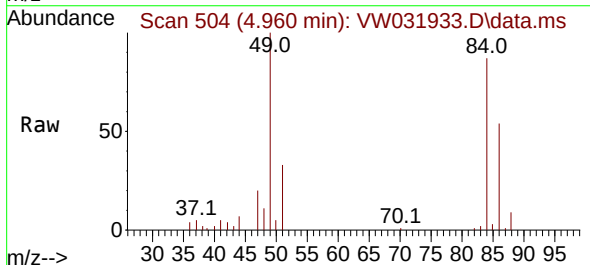
Ion Ratio Lower Upper

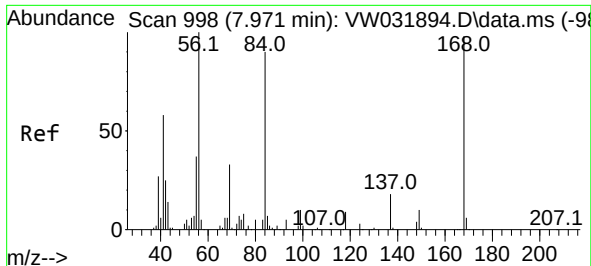
84 100

49 114.3 91.9 137.9

51 37.2 29.0 43.6

86 62.0 49.1 73.7

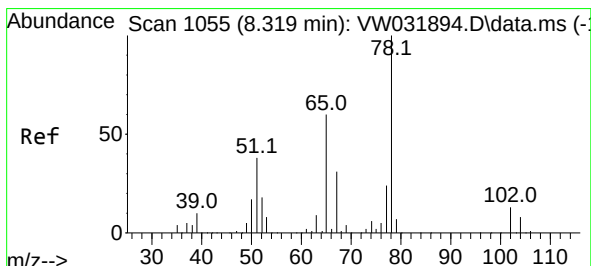
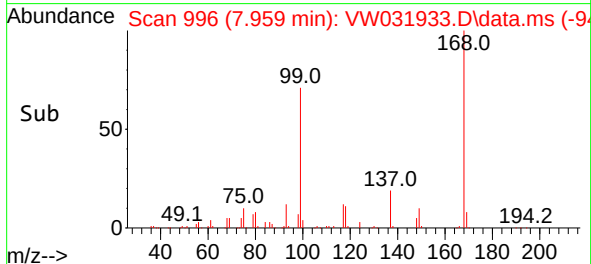
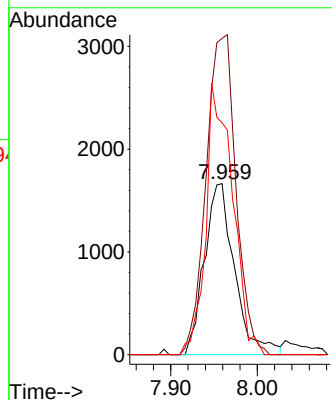
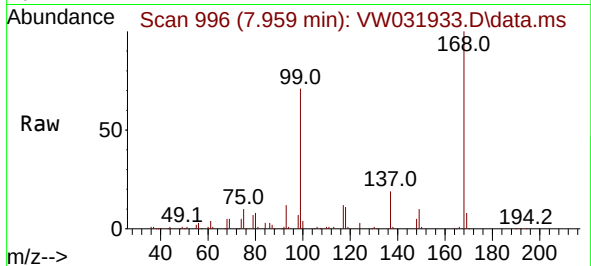




#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

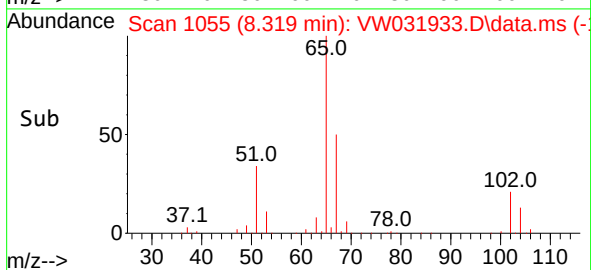
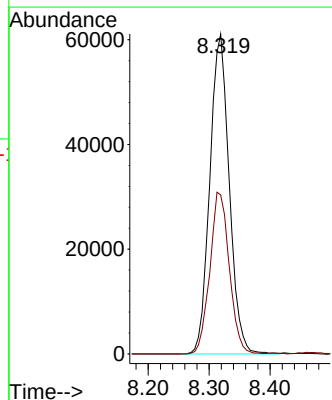
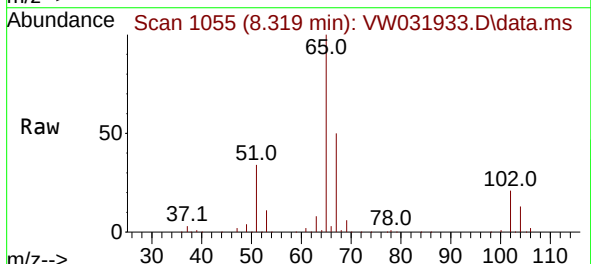
Instrument :
MSVOA_W
ClientSampleId :
295RE

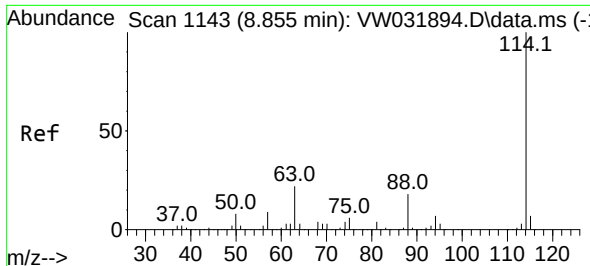
Tgt Ion: 56 Resp: 4042
Ion Ratio Lower Upper
56 100
69 185.0 26.7 40.1#
84 135.6 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 57.777 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

Tgt Ion: 65 Resp: 135112
Ion Ratio Lower Upper
65 100
67 50.6 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: VW031933.D

Acq: 25 Jul 2025 12:12

Instrument :

MSVOA_W

ClientSampleId :

295RE

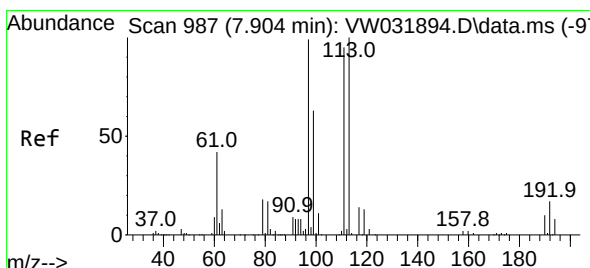
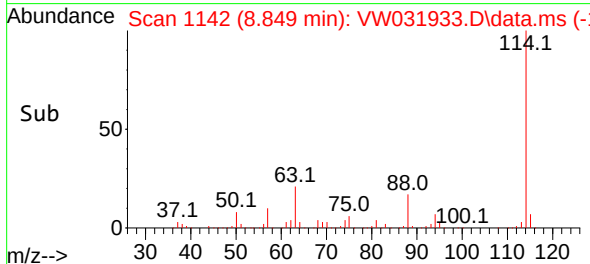
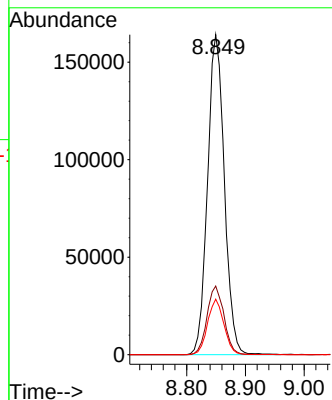
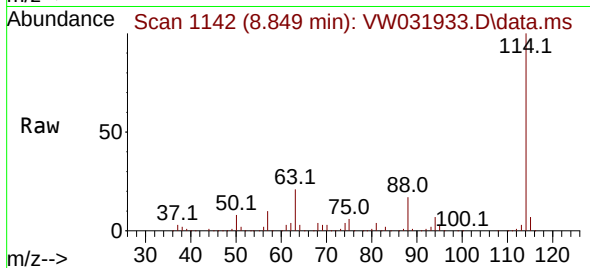
Tgt Ion:114 Resp: 326639

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.2

88 17.3 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.935 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031933.D

Acq: 25 Jul 2025 12:12

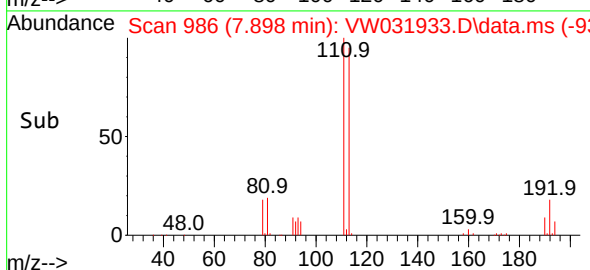
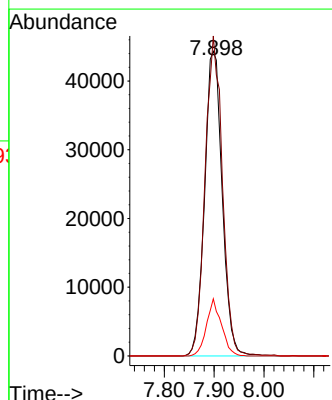
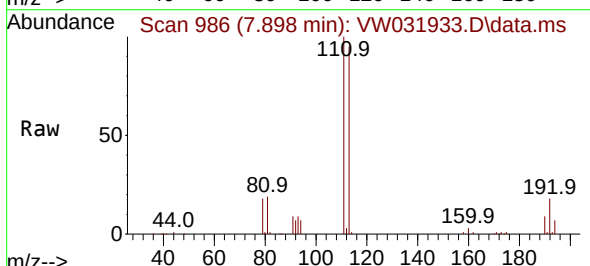
Tgt Ion:113 Resp: 108615

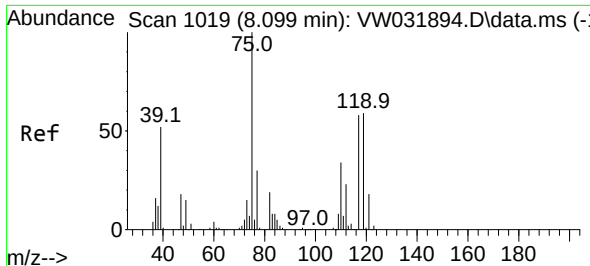
Ion Ratio Lower Upper

113 100

111 103.2 79.9 119.9

192 16.0 12.6 19.0





#36

1,1-Dichloropropene

Concen: 4.390 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW031933.D

Acq: 25 Jul 2025 12:12

Instrument :

MSVOA_W

ClientSampleId :

295RE

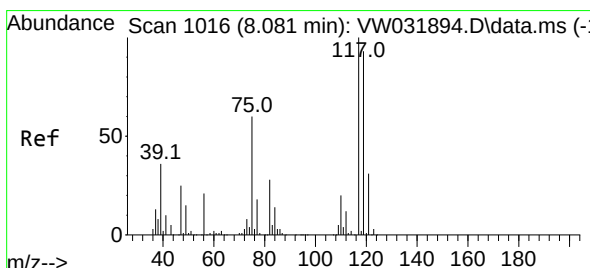
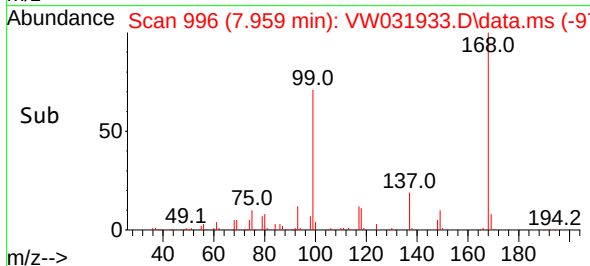
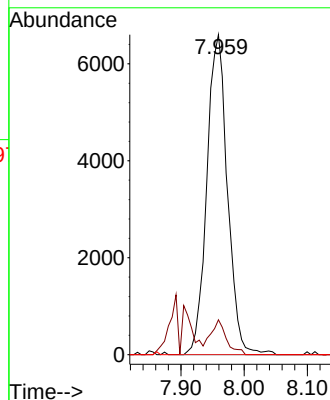
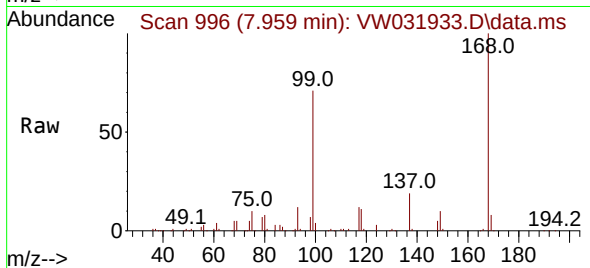
Tgt Ion: 75 Resp: 14965

Ion Ratio Lower Upper

75 100

110 8.3 17.0 50.9#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.396 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031933.D

Acq: 25 Jul 2025 12:12

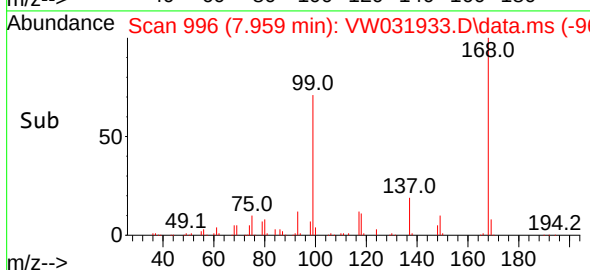
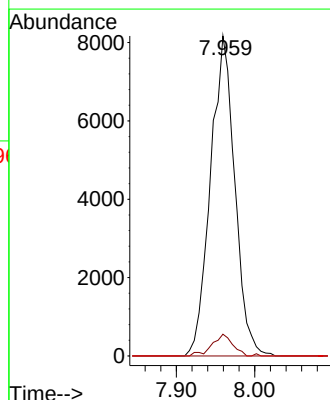
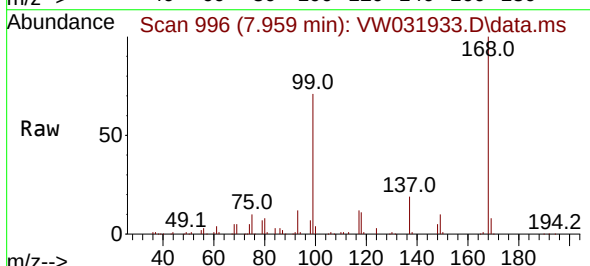
Tgt Ion: 117 Resp: 17651

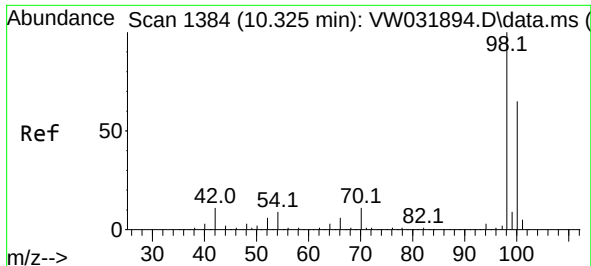
Ion Ratio Lower Upper

117 100

119 6.8 74.3 111.5#

121 0.0 24.6 37.0#

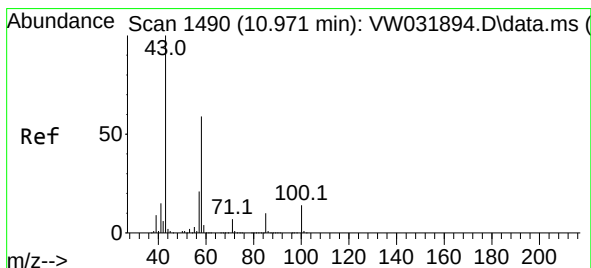
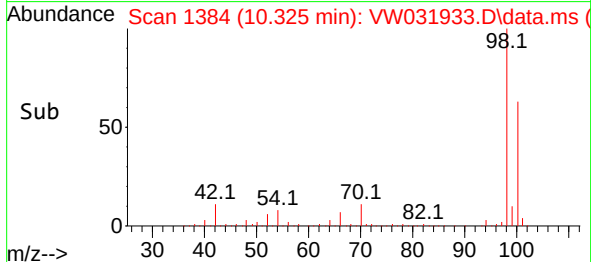
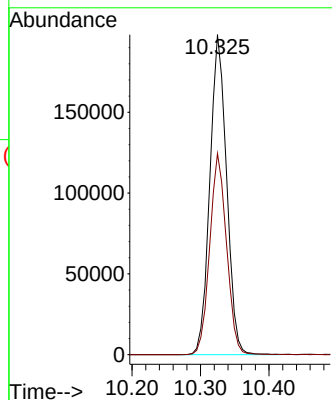
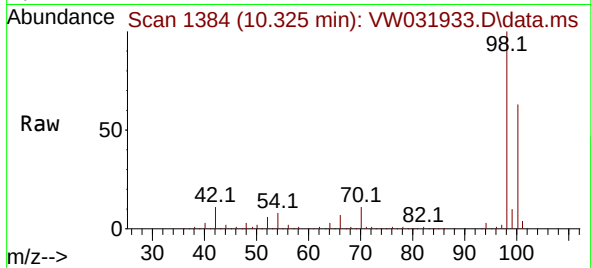




#50
Toluene-d8
Concen: 39.986 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

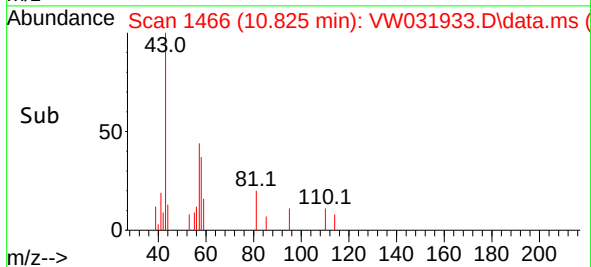
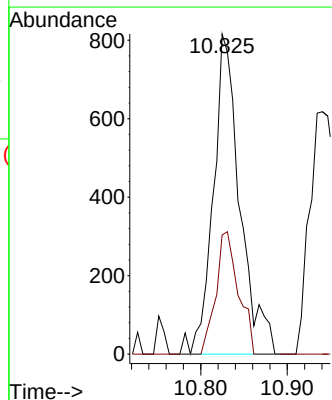
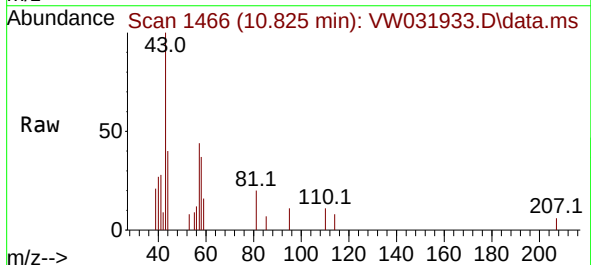
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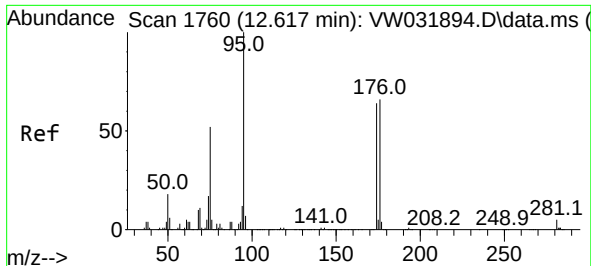
Tgt Ion: 98 Resp: 335895
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#59
2-Hexanone
Concen: 1.305 ug/l
RT: 10.825 min Scan# 1466
Delta R.T. -0.146 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

Tgt Ion: 43 Resp: 1747
Ion Ratio Lower Upper
43 100
58 32.4 28.5 85.6

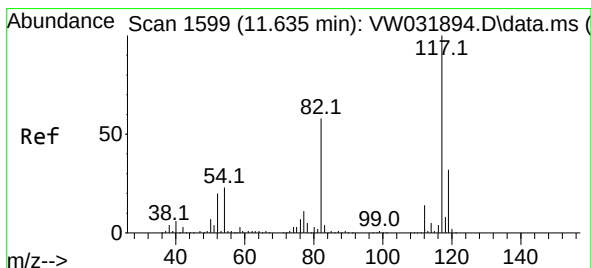
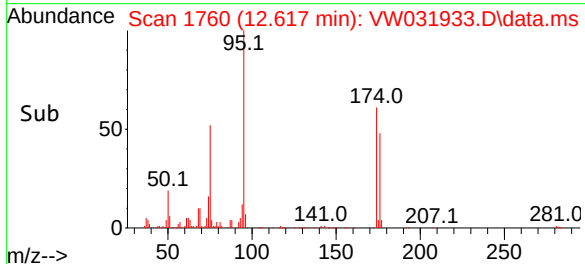
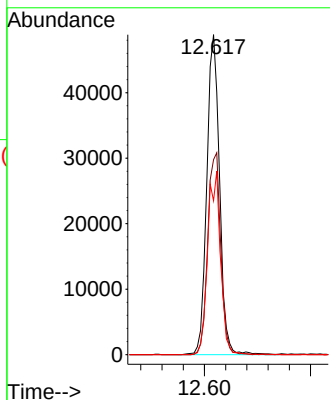
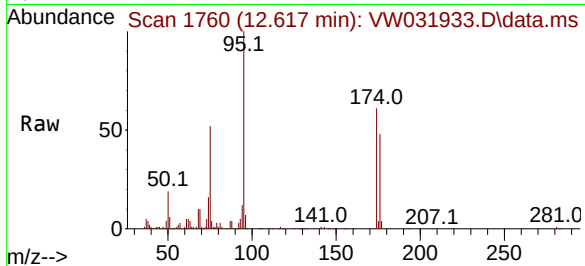




#62
4-Bromofluorobenzene
Concen: 25.258 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

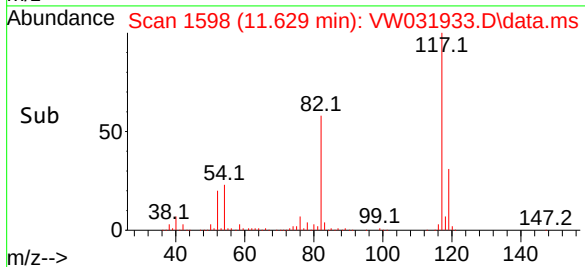
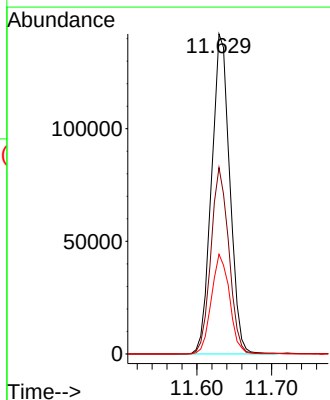
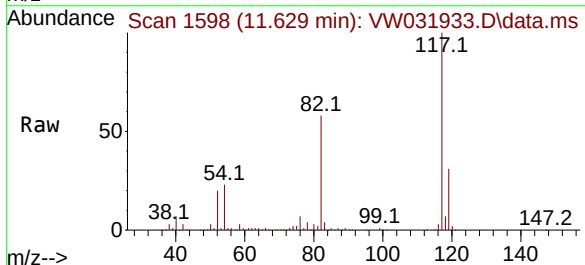
Instrument :
MSVOA_W
ClientSampleId :
295RE

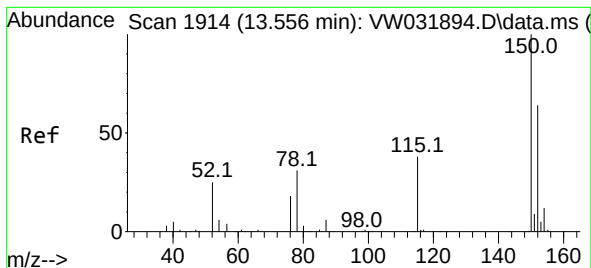
Tgt Ion: 95 Resp: 81470
Ion Ratio Lower Upper
95 100
174 64.1 0.0 129.8
176 57.7 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

Tgt Ion: 117 Resp: 241454
Ion Ratio Lower Upper
117 100
82 58.2 46.5 69.7
119 31.2 25.8 38.6

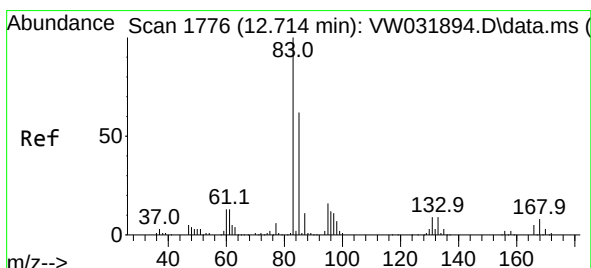
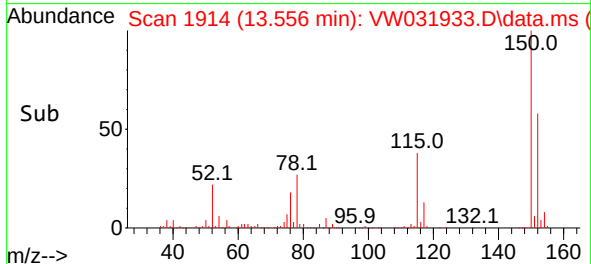
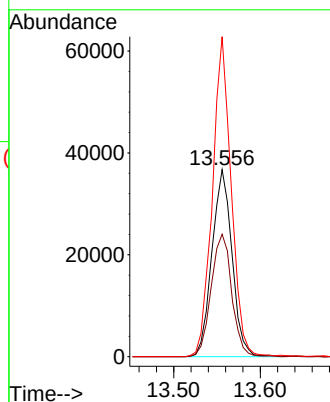
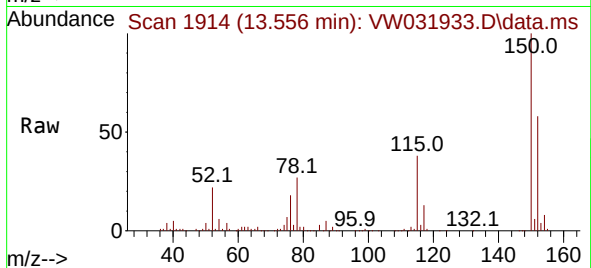




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031933.D
 Acq: 25 Jul 2025 12:12

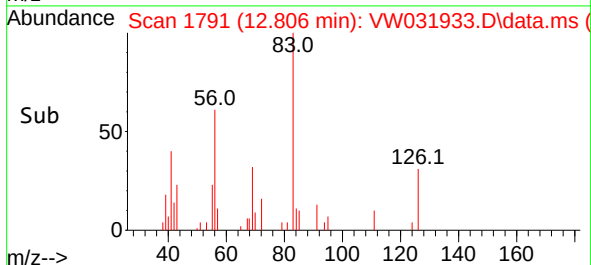
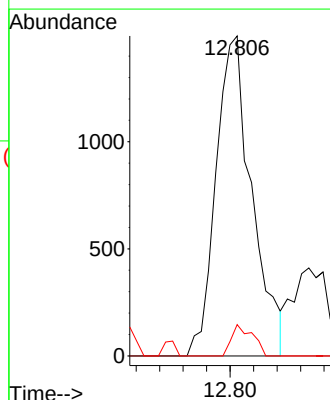
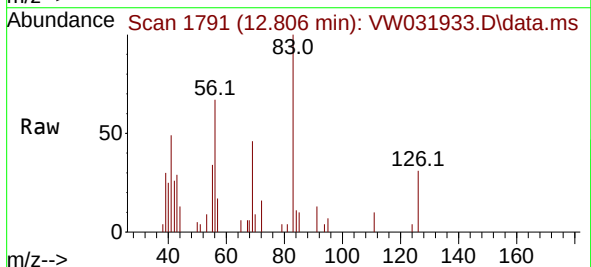
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 ClientSampleId :
 295RE

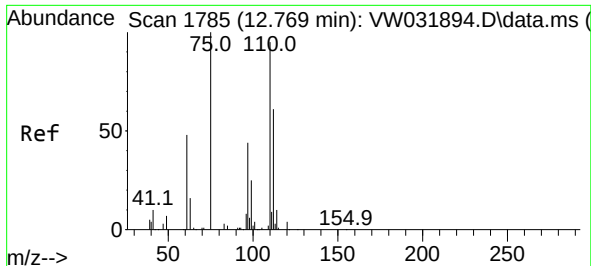
Tgt Ion:152 Resp: 59137
 Ion Ratio Lower Upper
 152 100
 115 67.2 33.4 100.1
 150 160.2 0.0 352.2



#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.909 ug/l
 RT: 12.806 min Scan# 1791
 Delta R.T. 0.092 min
 Lab File: VW031933.D
 Acq: 25 Jul 2025 12:12

Tgt Ion: 83 Resp: 3168
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 5.7 31.8 95.3#

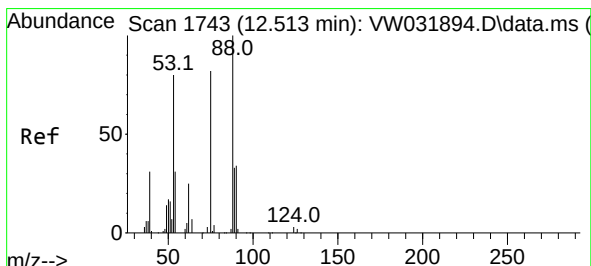
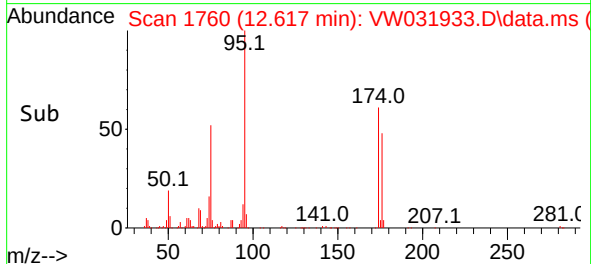
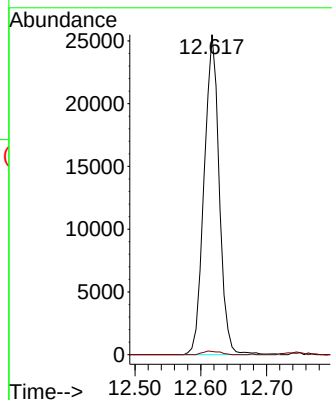
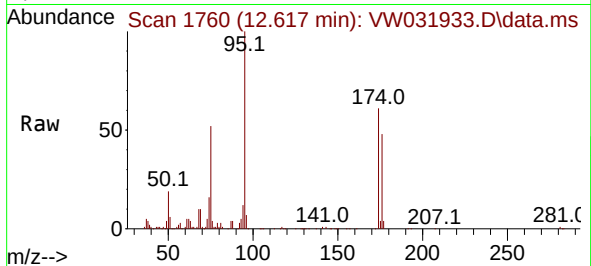




#76
1,2,3-Trichloropropane
Concen: 49.929 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

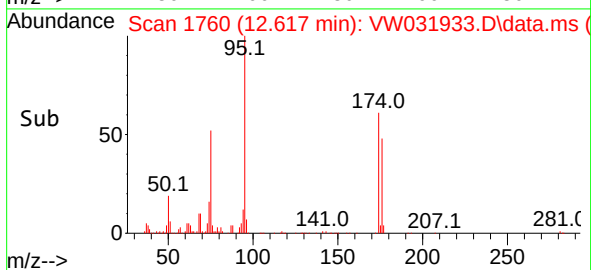
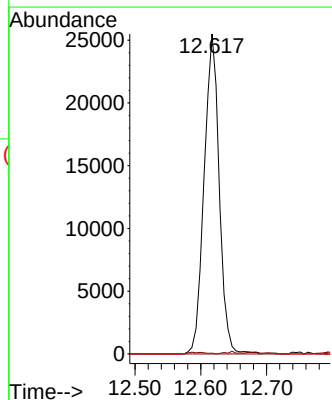
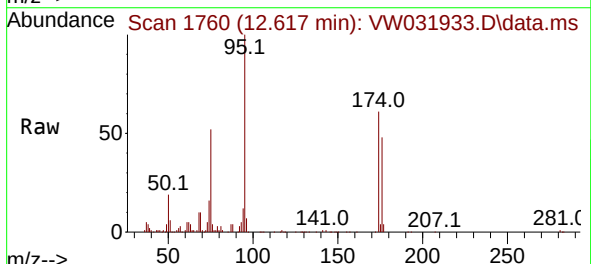
Instrument :
MSVOA_W
ClientSampleId :
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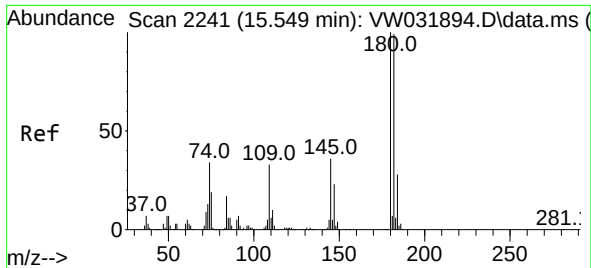
Tgt Ion: 75 Resp: 40766
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.273 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

Tgt Ion: 75 Resp: 40766
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 39.0 58.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.222 ug/l
 RT: 15.568 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VW031933.D
 Acq: 25 Jul 2025 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 295RE

Tgt Ion:180 Resp: 1368
 Ion Ratio Lower Upper
 180 100
 182 23.0 50.4 151.2#
 145 0.0 18.6 55.8#

