

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072825\
 Data File : VW031946.D
 Acq On : 28 Jul 2025 15:24
 Operator : SY/MD
 Sample : Q2709-01
 Misc : 4.80g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 7211935-295

Quant Time: Jul 29 01:21:26 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)

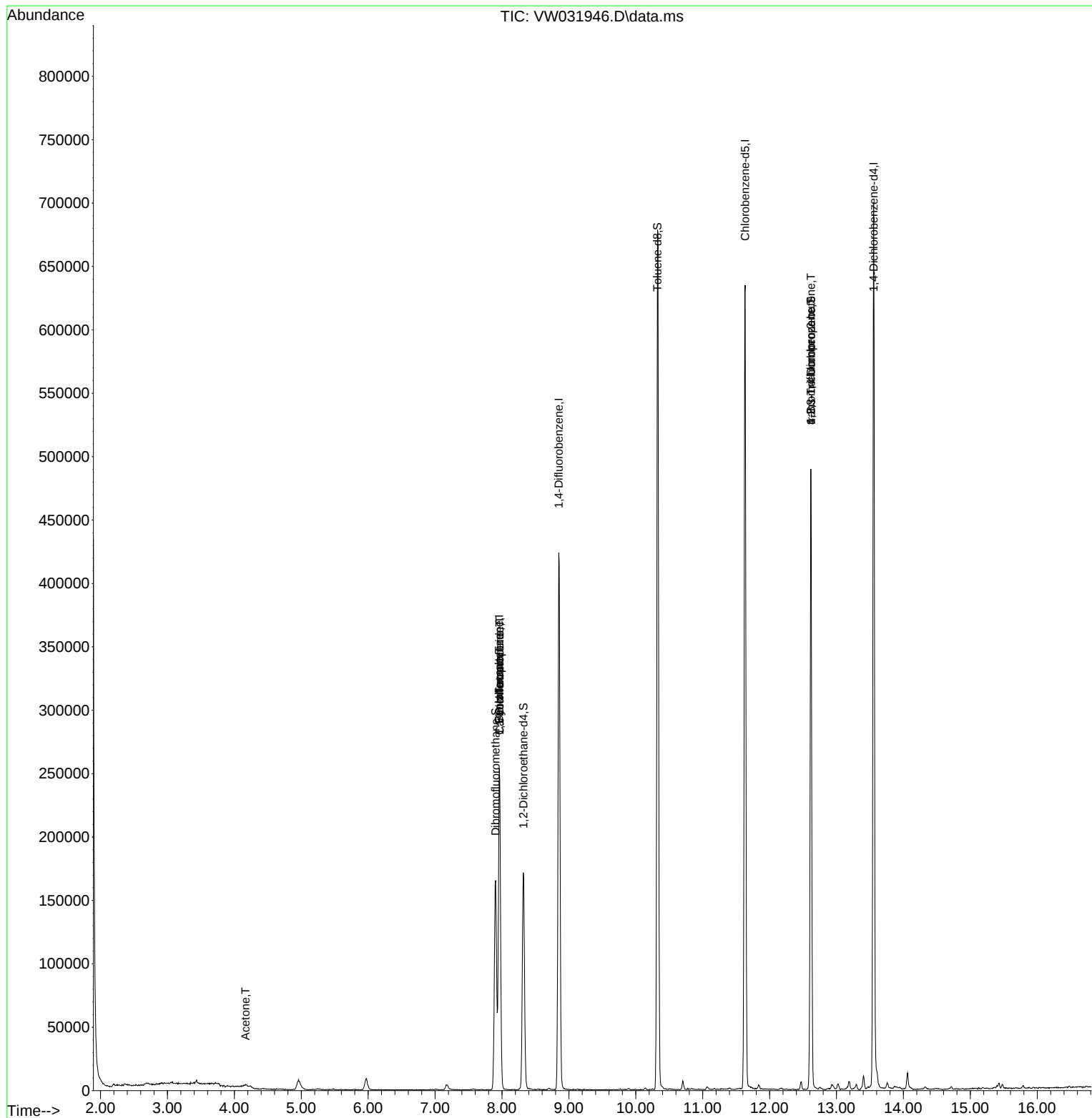
Internal Standards						
1) Pentafluorobenzene	7.959	168	172558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	361103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	349635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	175406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	146776	56.228	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 112.460%		
35) Dibromofluoromethane	7.904	113	122378	49.874	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 99.740%		
50) Toluene-d8	10.325	98	453442	48.827	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 97.660%		
62) 4-Bromofluorobenzene	12.617	95	172551	48.389	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 96.780%		
Target Compounds						
					Qvalue	
13) Acrolein	3.936	56	46	Below Cal	#	1
16) Acetone	4.167	43	3372	5.444	ug/l #	84
20) Methylene Chloride	4.960	84	7293	Below Cal		91
31) Cyclohexane	7.959	56	4217	1.053	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	15885	4.215	ug/l #	49
38) Carbon Tetrachloride	7.965	117	20326	5.620	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	88852	36.689	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	88852	84.705	ug/l #	8

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

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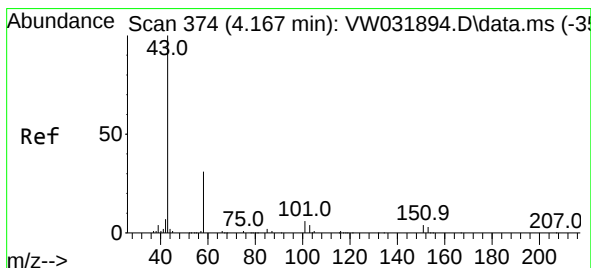
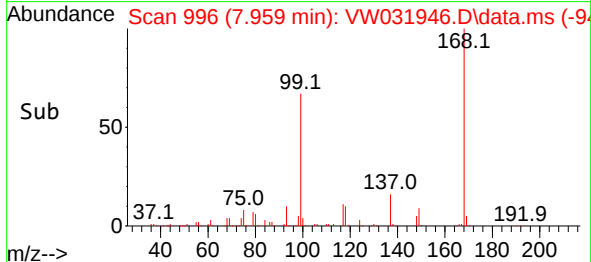
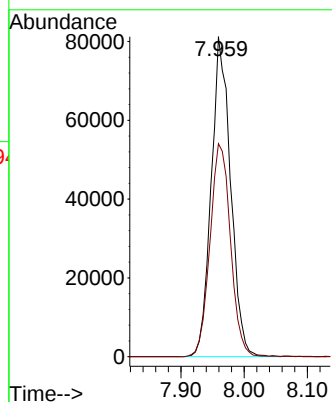
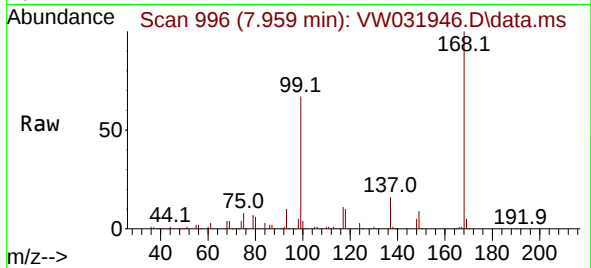




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031946.D
Acq: 28 Jul 2025 15:24

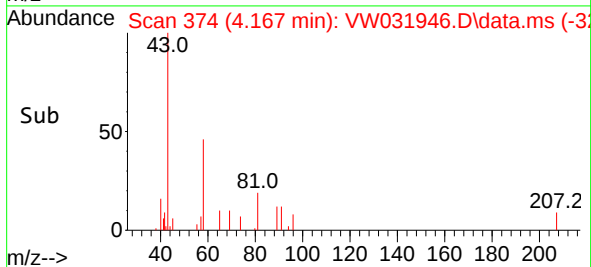
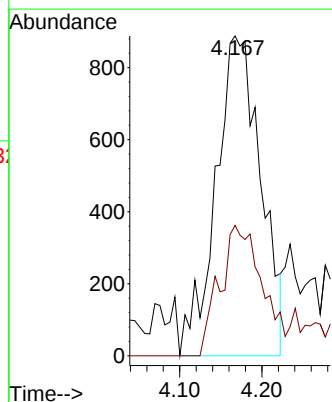
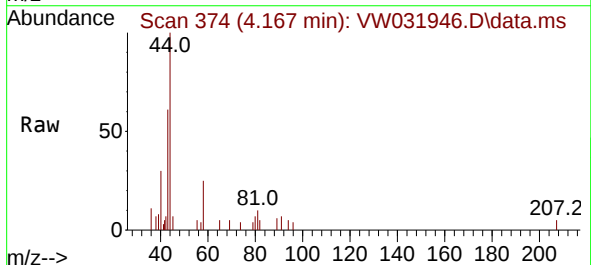
Instrument :
MSVOA_W
ClientSampleId :
7211935-295

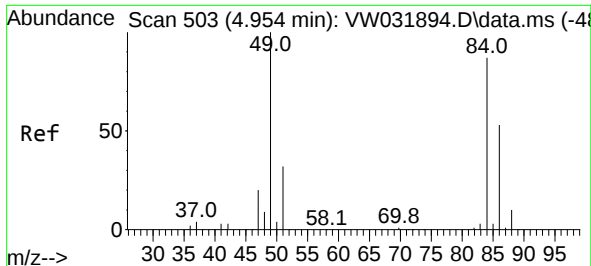
Tgt Ion:168 Resp: 172558
Ion Ratio Lower Upper
168 100
99 66.5 48.2 72.2



#16
Acetone
Concen: 5.444 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031946.D
Acq: 28 Jul 2025 15:24

Tgt Ion: 43 Resp: 3372
Ion Ratio Lower Upper
43 100
58 40.8 25.5 38.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.960 min Scan# 503

Delta R.T. 0.006 min

Lab File: VW031946.D

Acq: 28 Jul 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

7211935-295

Tgt Ion: 84 Resp: 7293

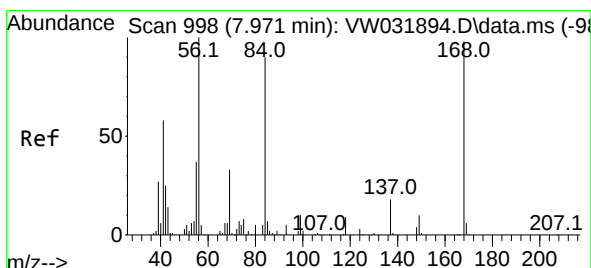
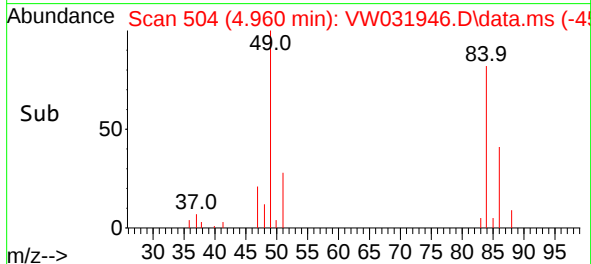
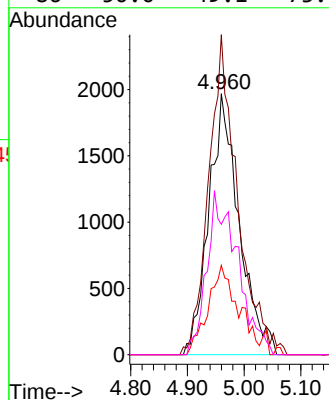
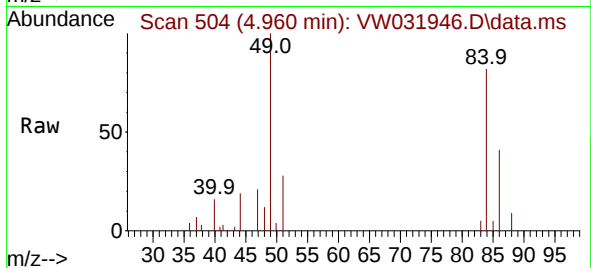
Ion Ratio Lower Upper

84 100

49 122.6 91.9 137.9

51 34.2 29.0 43.6

86 50.0 49.1 73.7



#31

Cyclohexane

Concen: 1.053 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.012 min

Lab File: VW031946.D

Acq: 28 Jul 2025 15:24

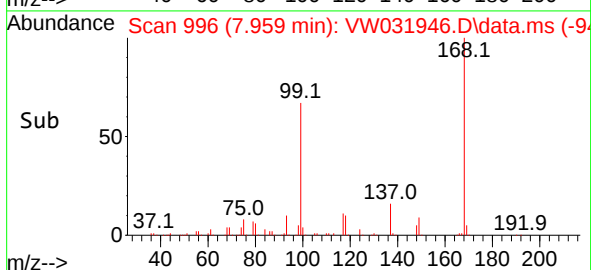
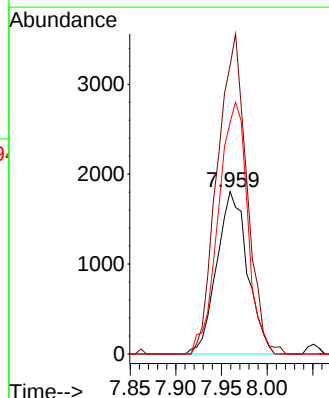
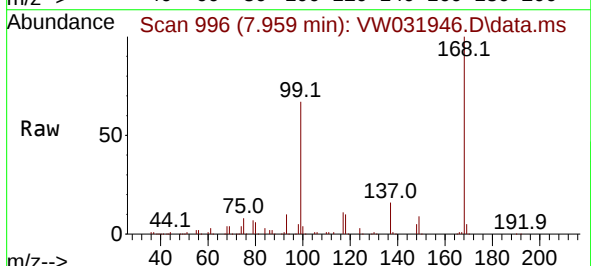
Tgt Ion: 56 Resp: 4217

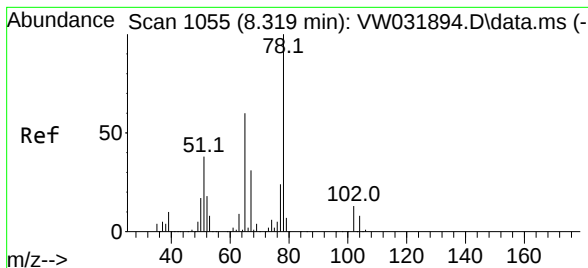
Ion Ratio Lower Upper

56 100

69 177.6 26.7 40.1#

84 142.7 71.8 107.6#

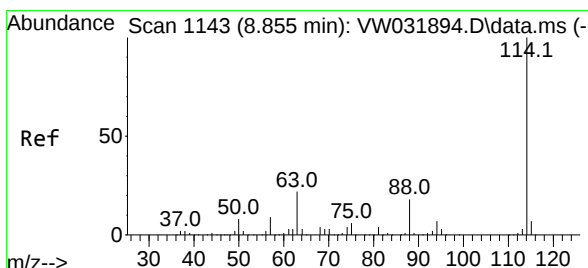
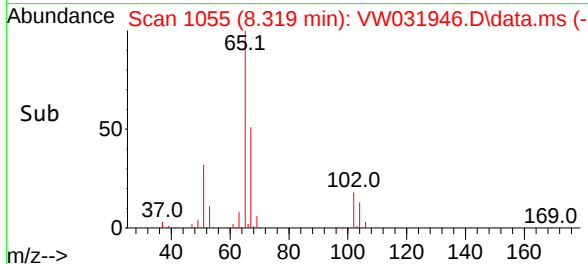
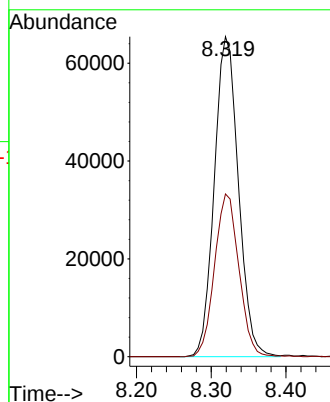
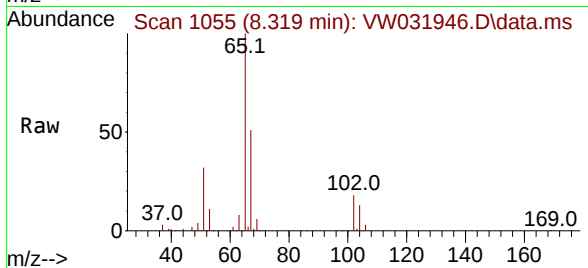




#33
 1,2-Dichloroethane-d4
 Concen: 56.228 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031946.D
 Acq: 28 Jul 2025 15:24

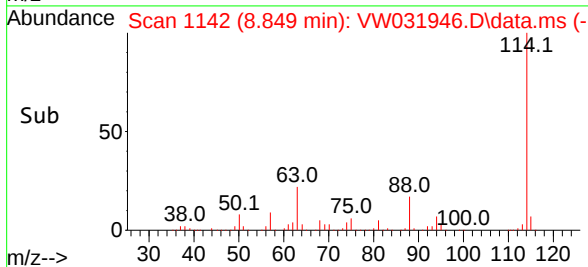
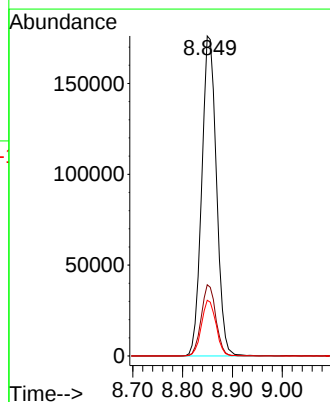
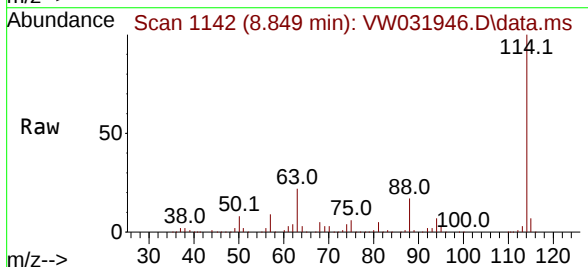
Instrument :
 MSVOA_W
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 7211935-295

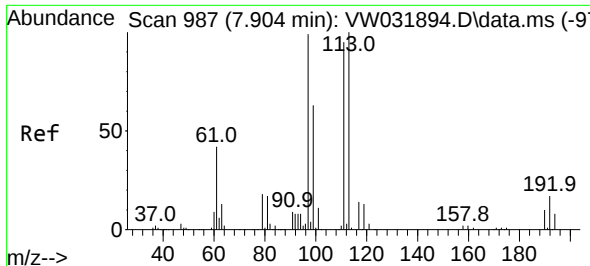
Tgt Ion: 65 Resp: 146776
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW031946.D
 Acq: 28 Jul 2025 15:24

Tgt Ion: 114 Resp: 361103
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.2
 88 17.4 0.0 35.6

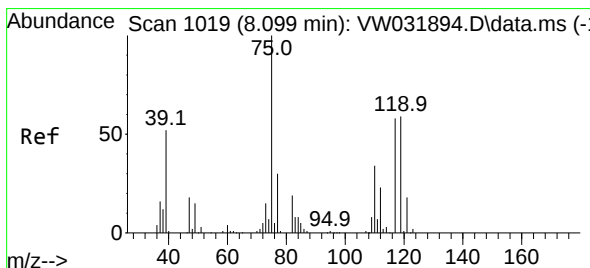
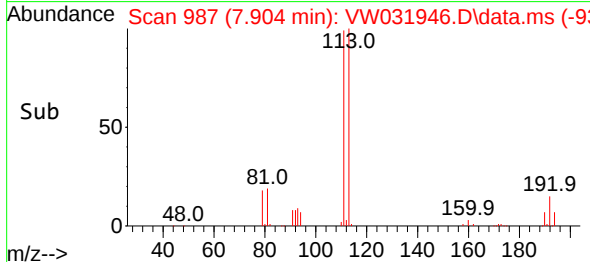
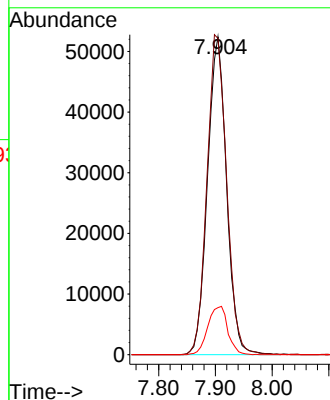
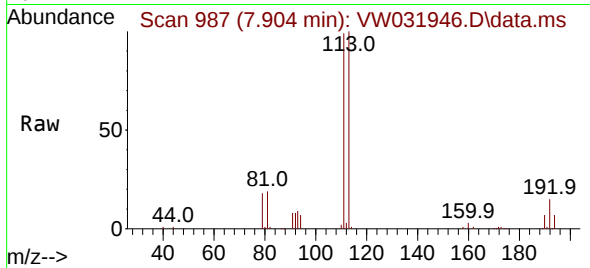




#35
 Dibromofluoromethane
 Concen: 49.874 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VW031946.D
 Acq: 28 Jul 2025 15:24

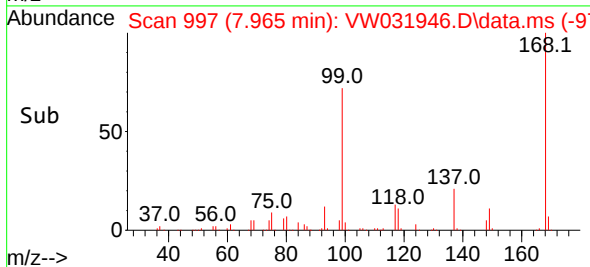
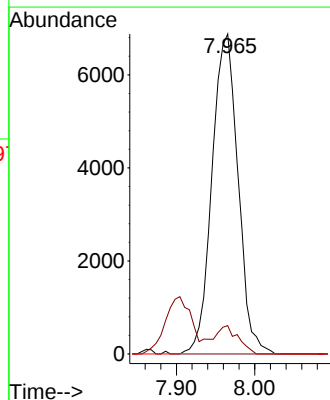
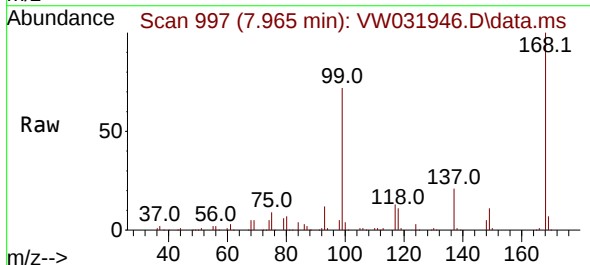
Instrument :
 MSVOA_W
 ClientSampleId :
 7211935-295

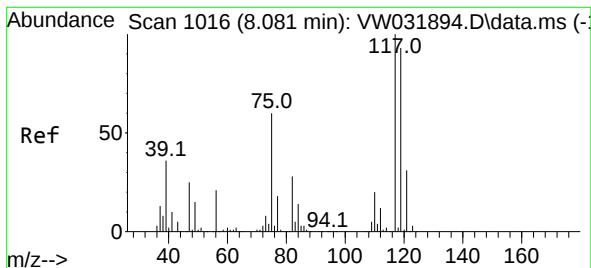
Tgt Ion: 113 Resp: 122378
 Ion Ratio Lower Upper
 113 100
 111 103.8 79.9 119.9
 192 15.9 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 4.215 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW031946.D
 Acq: 28 Jul 2025 15:24

Tgt Ion: 75 Resp: 15885
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.0 50.9#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.620 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW031946.D

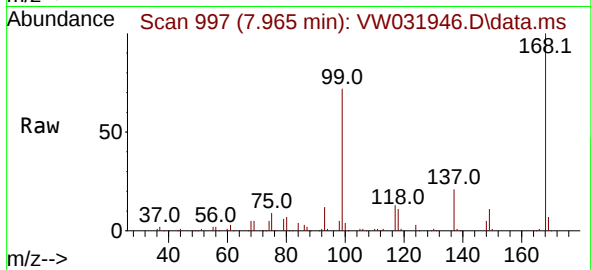
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Instrument :

MSVOA_W

ClientSampleId :

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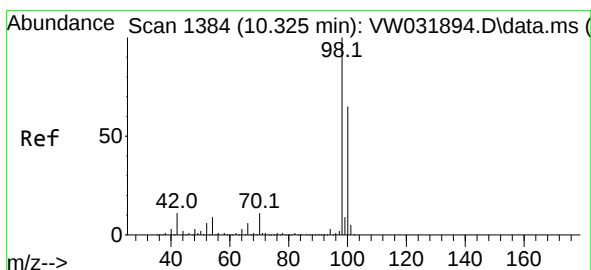
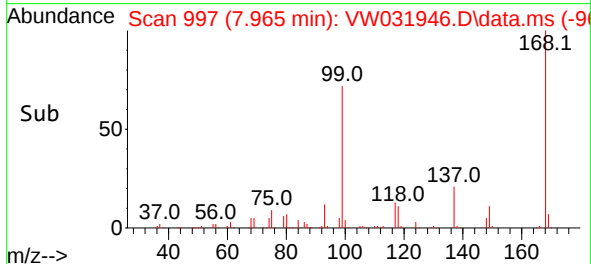
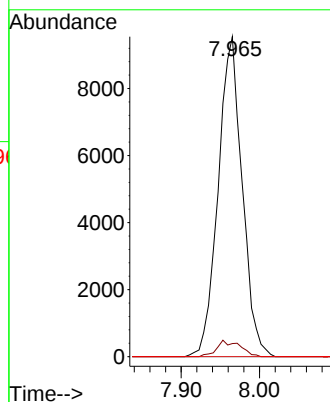
Tgt Ion:117 Resp: 20326

Ion Ratio Lower Upper

117 100

119 4.1 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 48.827 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031946.D

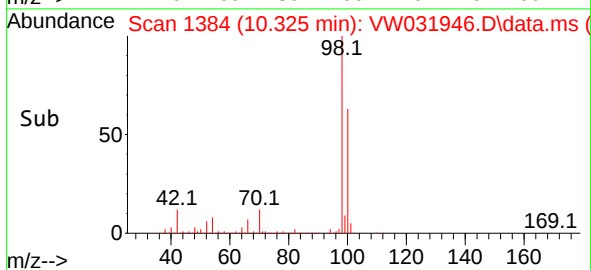
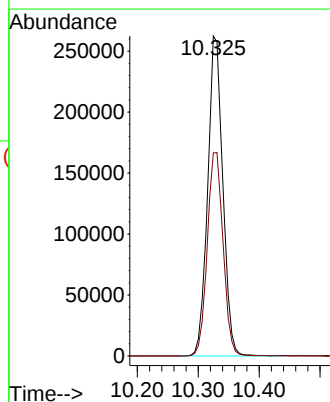
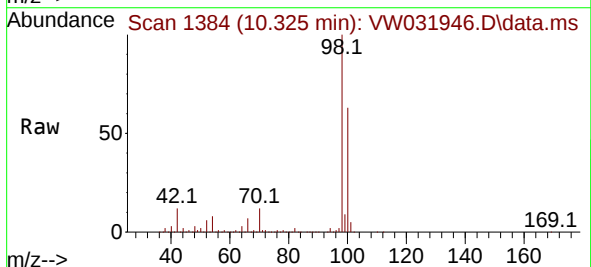
Acq: 28 Jul 2025 15:24

Tgt Ion: 98 Resp: 453442

Ion Ratio Lower Upper

98 100

100 66.3 51.7 77.5

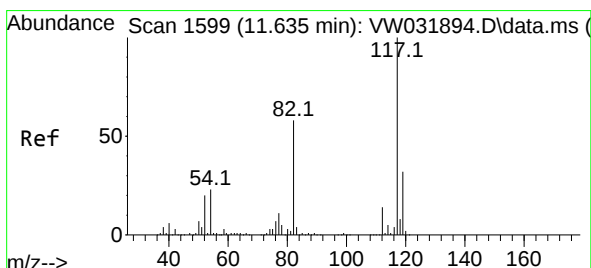
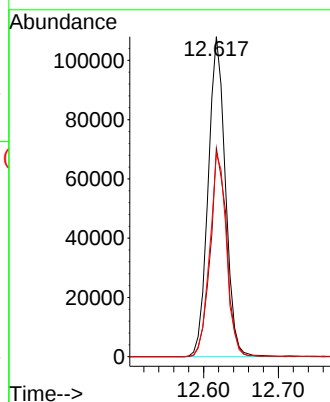
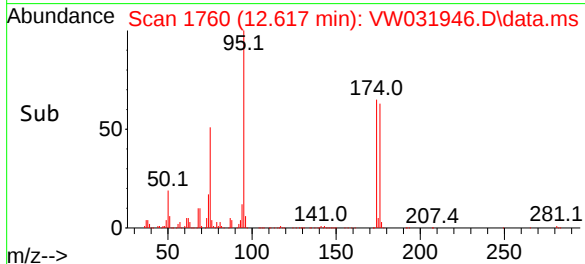
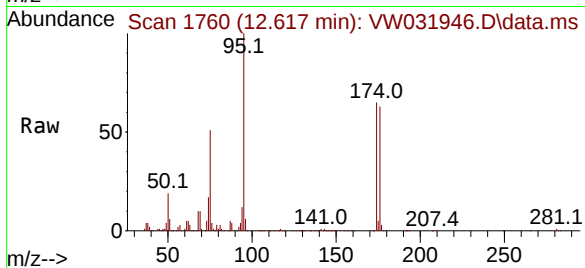




#62
4-Bromofluorobenzene
Concen: 48.389 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031946.D
Acq: 28 Jul 2025 15:24

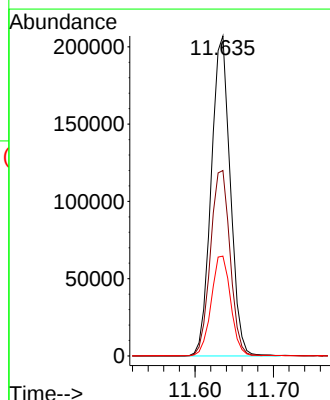
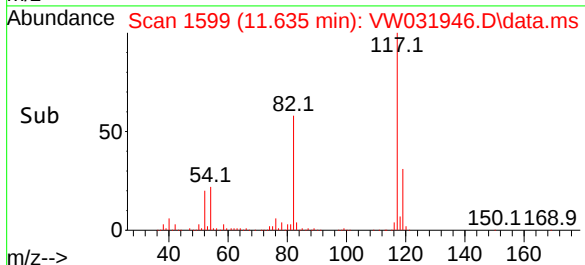
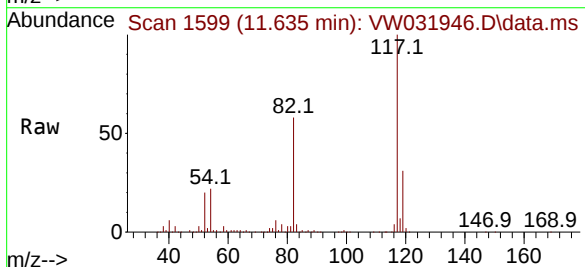
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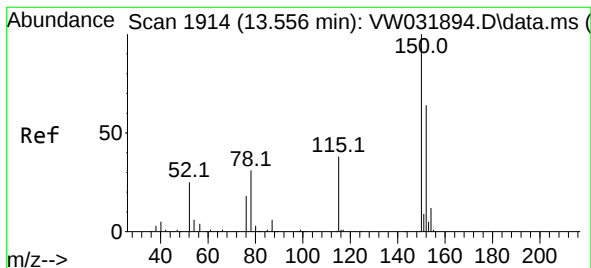
Tgt Ion: 95 Resp: 172551
Ion Ratio Lower Upper
95 100
174 62.1 0.0 129.8
176 61.9 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW031946.D
Acq: 28 Jul 2025 15:24

Tgt Ion: 117 Resp: 349635
Ion Ratio Lower Upper
117 100
82 57.9 46.5 69.7
119 31.1 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: VW031946.D

Acq: 28 Jul 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

7211935-295

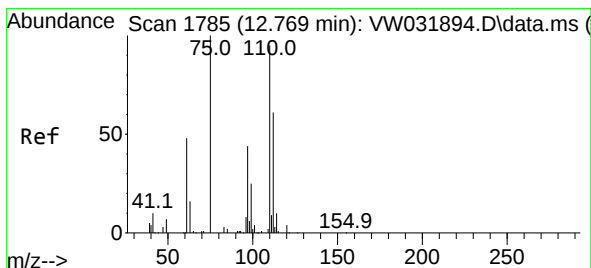
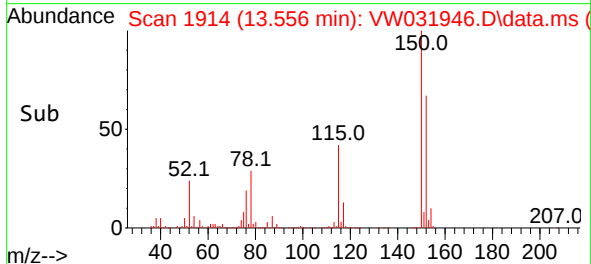
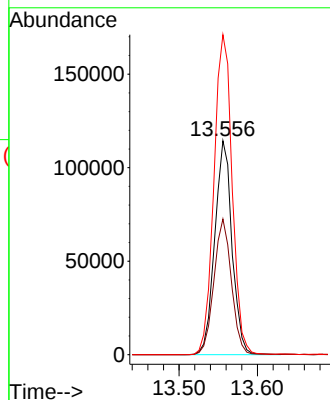
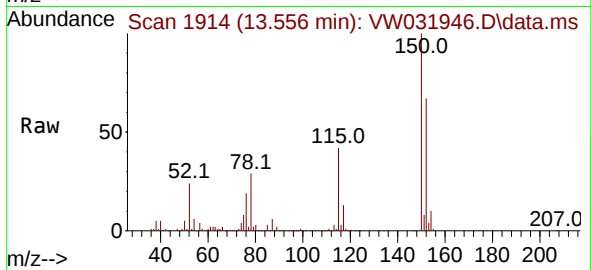
Tgt Ion:152 Resp: 175406

Ion Ratio Lower Upper

152 100

115 64.2 33.4 100.1

150 157.6 0.0 352.2



#76

1,2,3-Trichloropropane

Concen: 36.689 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.152 min

Lab File: VW031946.D

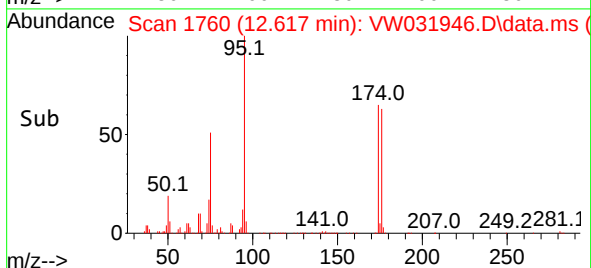
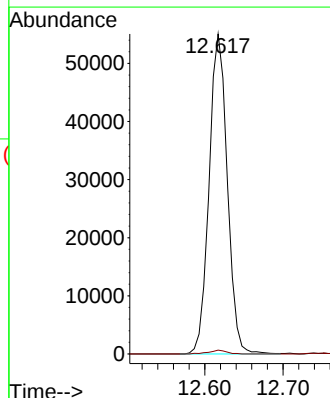
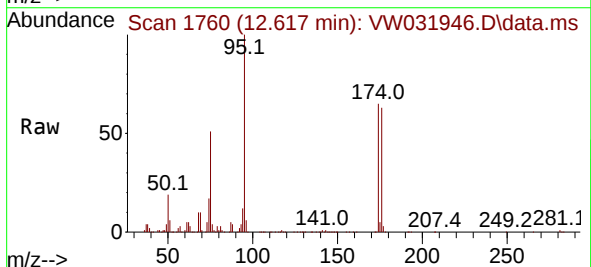
Acq: 28 Jul 2025 15:24

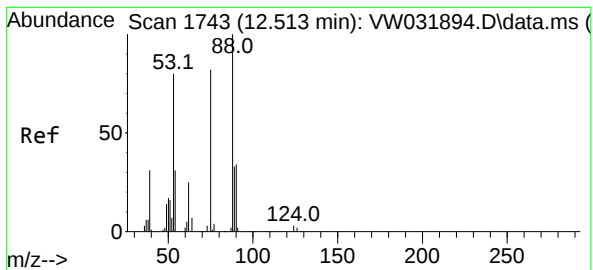
Tgt Ion: 75 Resp: 88852

Ion Ratio Lower Upper

75 100

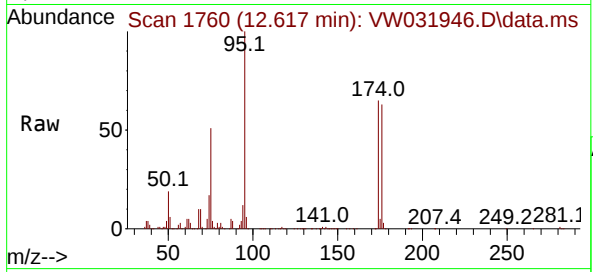
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.705 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW031946.D
 Acq: 28 Jul 2025 15:24

Instrument :
 MSVOA_W
 ClientSampleId :
 7211935-295



Tgt Ion:	75	Resp:	88852
Ion	Ratio	Lower	Upper
75	100		
53	0.2	83.7	125.5#
89	0.0	39.0	58.6#

