

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031983.D
 Acq On : 01 Aug 2025 14:09
 Operator : SY/MD
 Sample : Q2741-01
 Misc : 5.02g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-07312025

Quant Time: Aug 01 23:13:21 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)

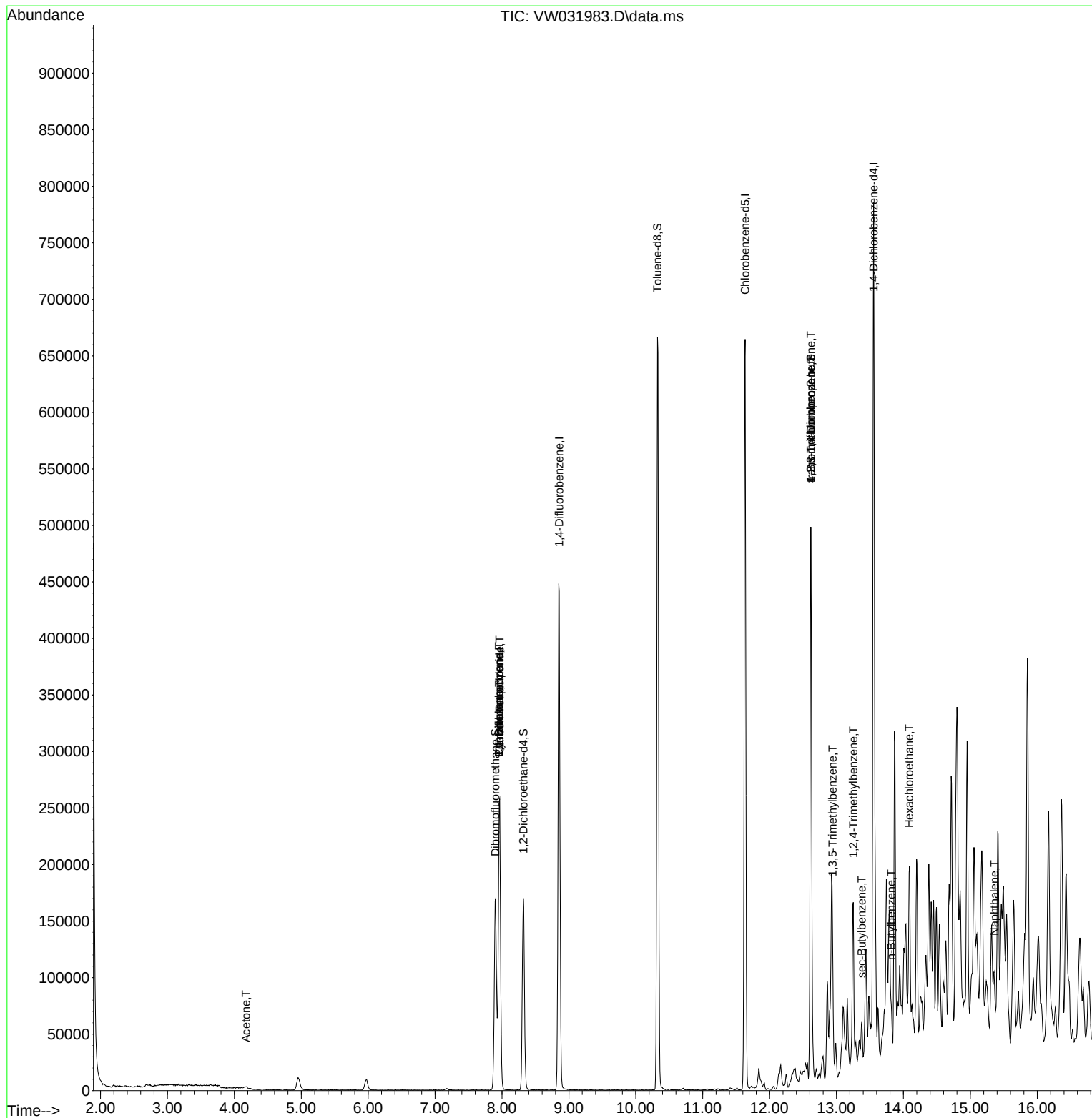
Internal Standards						
1) Pentafluorobenzene	7.959	168	181440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	376337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	371268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	142340	51.859	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 103.720%			
35) Dibromofluoromethane	7.898	113	125455	49.058	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.120%			
50) Toluene-d8	10.325	98	448838	46.375	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 92.760%			
62) 4-Bromofluorobenzene	12.617	95	174406	46.930	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 93.860%			
Target Compounds			Qvalue			
13) Acrolein	3.929	56	98	Below Cal	#	45
16) Acetone	4.173	43	2649	4.067	ug/l #	88
20) Methylene Chloride	4.954	84	9744	Below Cal		94
31) Cyclohexane	7.959	56	4285	1.018	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	16330	4.158	ug/l #	49
38) Carbon Tetrachloride	7.965	117	20238	5.370	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	88993	35.937	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.940	105	28523	2.185	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.617	75	88993	82.968	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.251	105	84454	6.393	ug/l	99
85) sec-Butylbenzene	13.379	105	18797	1.126	ug/l	87
89) n-Butylbenzene	13.818	91	18739	1.384	ug/l #	77
90) Hexachloroethane	14.086	117	7088	2.970	ug/l #	23
95) Naphthalene	15.360	128	23112	2.509	ug/l #	92

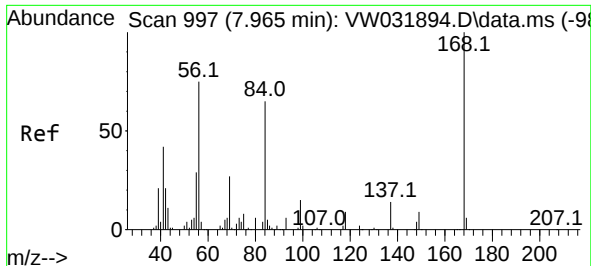
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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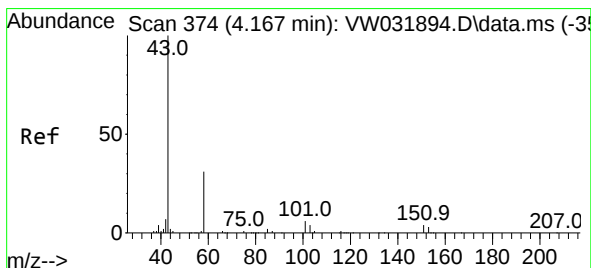
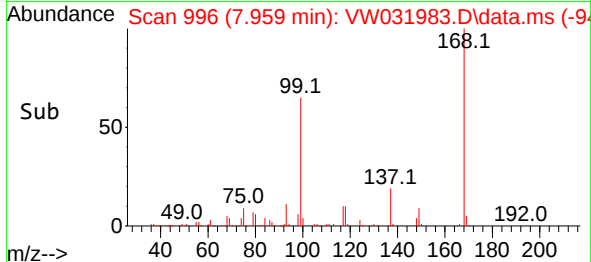
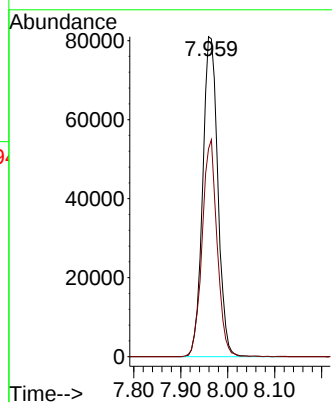
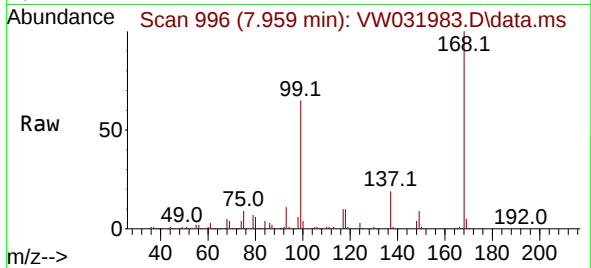




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

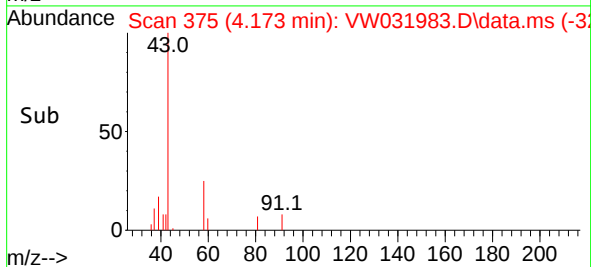
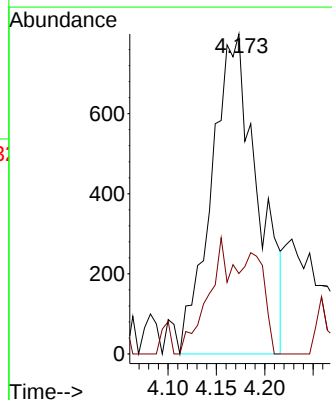
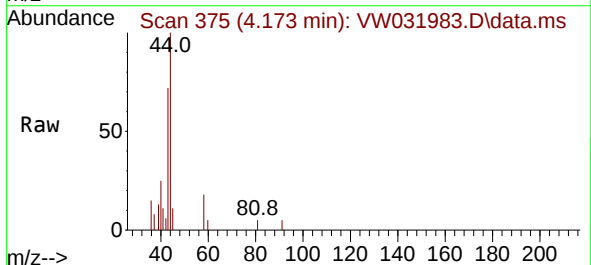
Instrument :
MSVOA_W
ClientSampleId :
TR-05-07312025

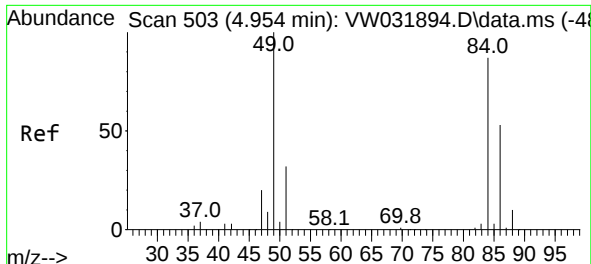
Tgt Ion:168 Resp: 181440
Ion Ratio Lower Upper
168 100
99 65.0 48.2 72.2



#16
Acetone
Concen: 4.067 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.006 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

Tgt Ion: 43 Resp: 2649
Ion Ratio Lower Upper
43 100
58 25.2 25.5 38.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.954 min Scan# 503

Delta R.T. -0.000 min

Lab File: VW031983.D

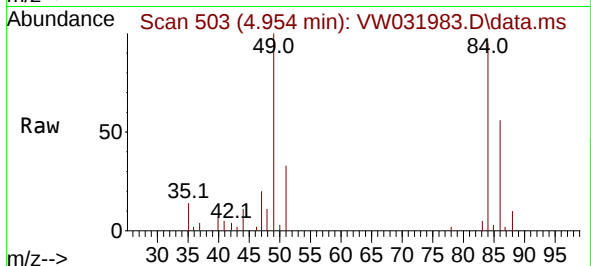
Acq: 01 Aug 2025 14:09

Instrument :

MSVOA_W

ClientSampleId :

TR-05-07312025



Tgt Ion: 84 Resp: 9744

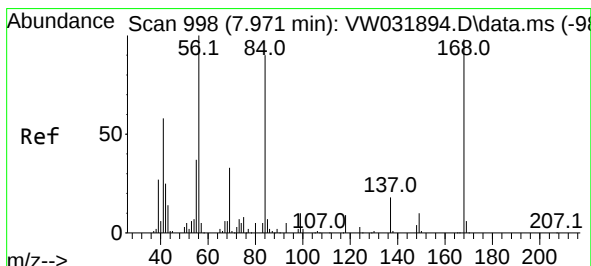
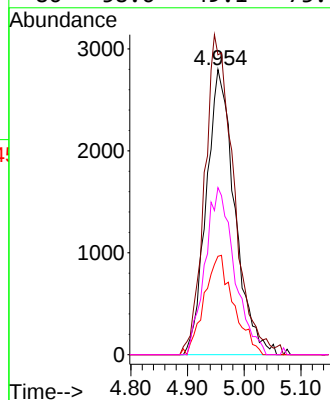
Ion Ratio Lower Upper

84 100

49 105.1 91.9 137.9

51 34.5 29.0 43.6

86 58.6 49.1 73.7



#31

Cyclohexane

Concen: 1.018 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.012 min

Lab File: VW031983.D

Acq: 01 Aug 2025 14:09

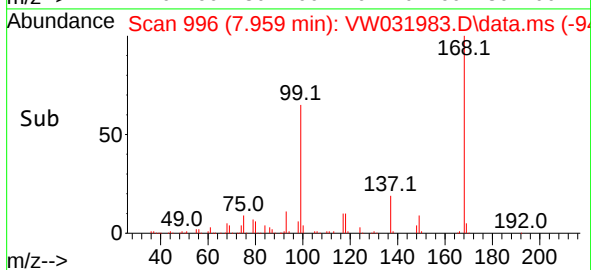
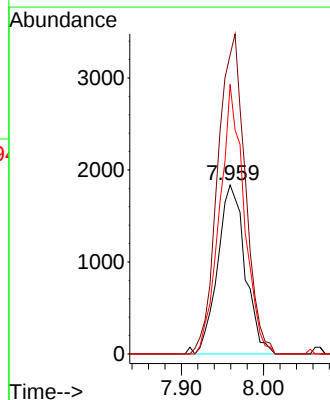
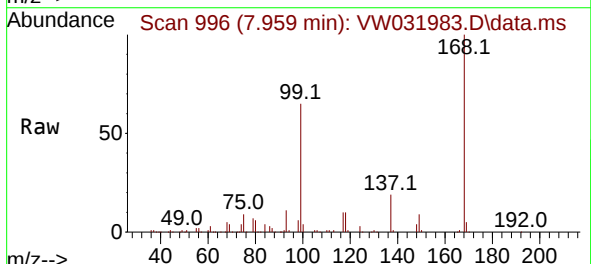
Tgt Ion: 56 Resp: 4285

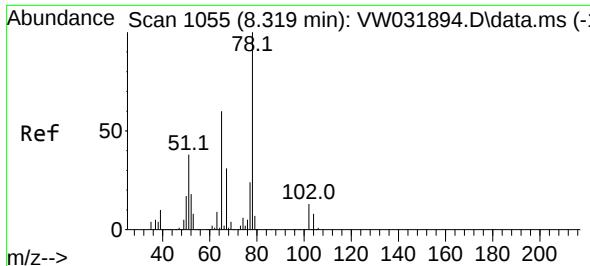
Ion Ratio Lower Upper

56 100

69 176.9 26.7 40.1#

84 159.6 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 51.859 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031983.D

Acq: 01 Aug 2025 14:09

Instrument :

MSVOA_W

ClientSampleId :

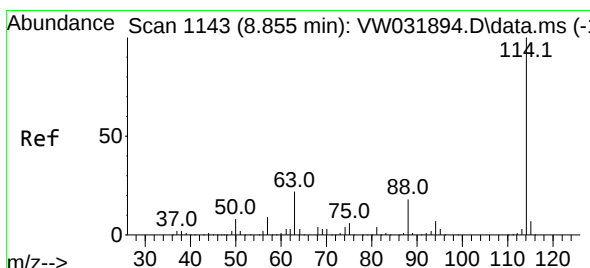
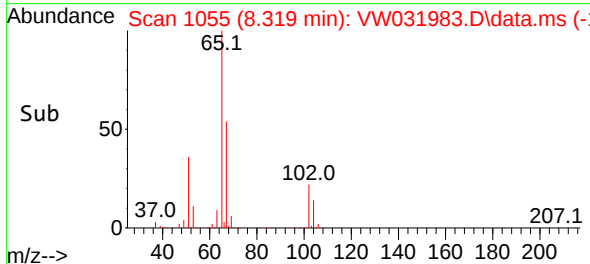
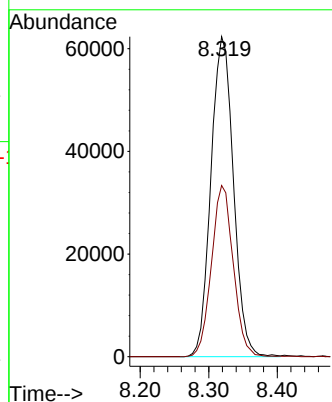
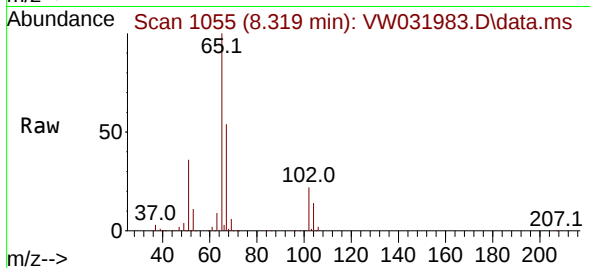
TR-05-07312025

Tgt Ion: 65 Resp: 142340

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW031983.D

Acq: 01 Aug 2025 14:09

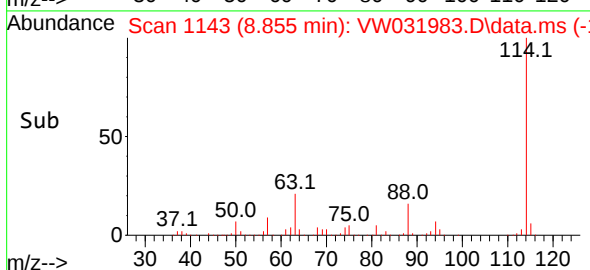
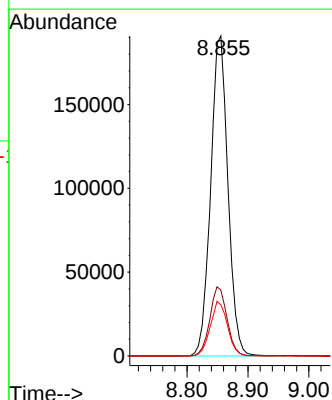
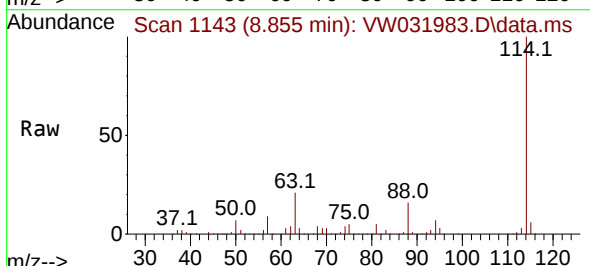
Tgt Ion: 114 Resp: 376337

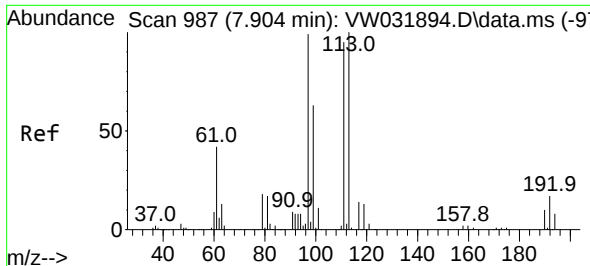
Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.2

88 16.0 0.0 35.6

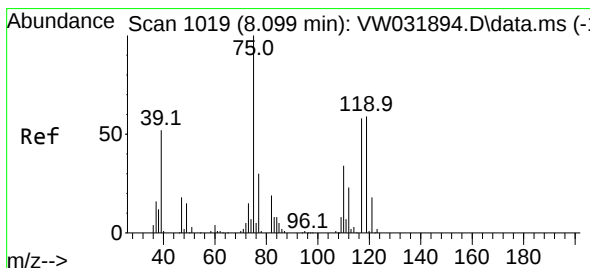
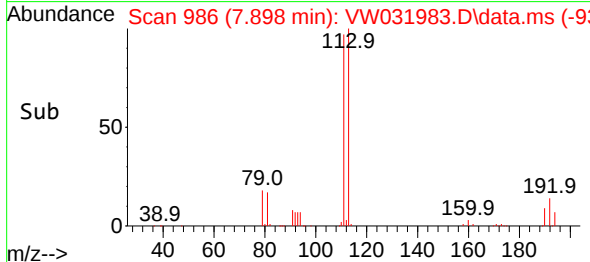
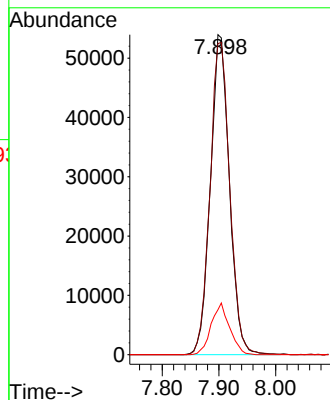
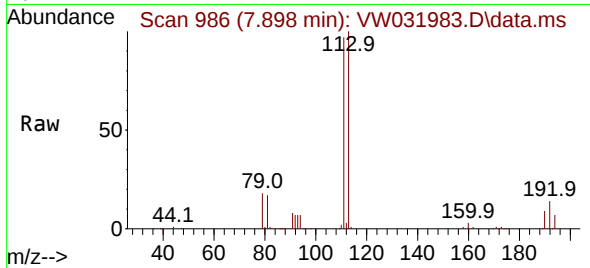




#35
 Dibromofluoromethane
 Concen: 49.058 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW031983.D
 Acq: 01 Aug 2025 14:09

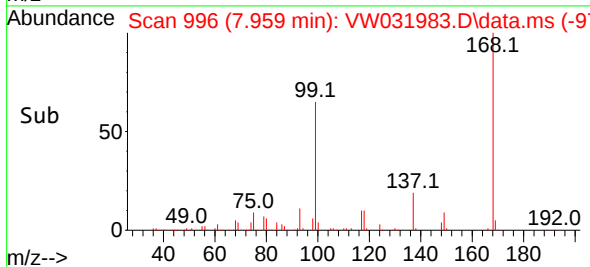
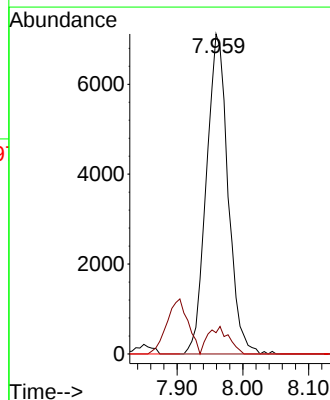
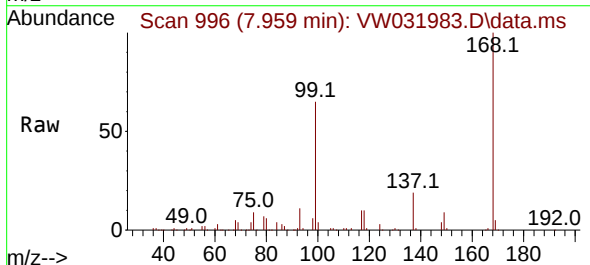
Instrument :
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 TR-05-07312025

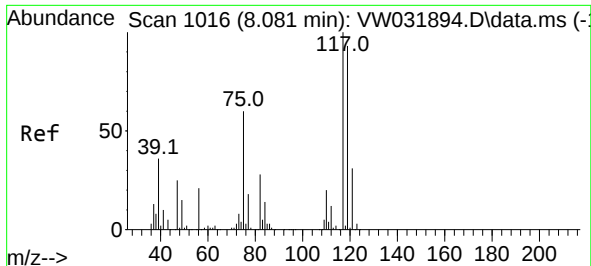
Tgt Ion: 113 Resp: 125455
 Ion Ratio Lower Upper
 113 100
 111 101.7 79.9 119.9
 192 15.7 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 4.158 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW031983.D
 Acq: 01 Aug 2025 14:09

Tgt Ion: 75 Resp: 16330
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.0 50.9#
 77 0.0 25.1 37.7#

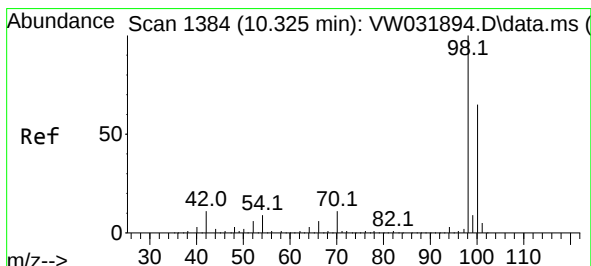
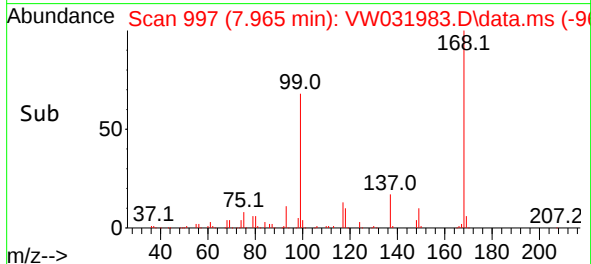
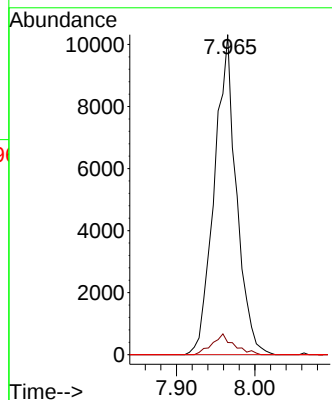
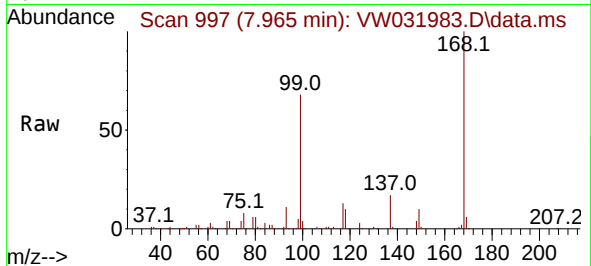




#38
Carbon Tetrachloride
Concen: 5.370 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

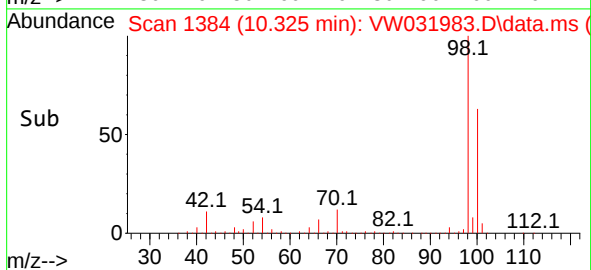
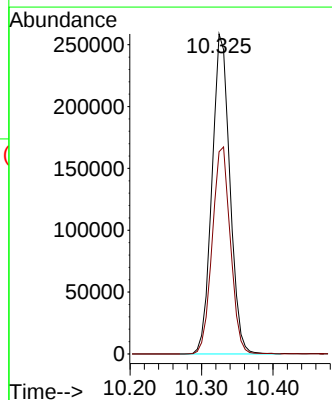
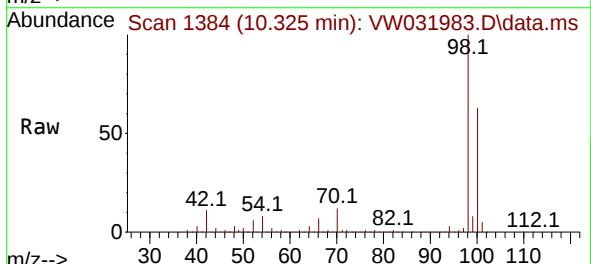
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ClientSampleId :
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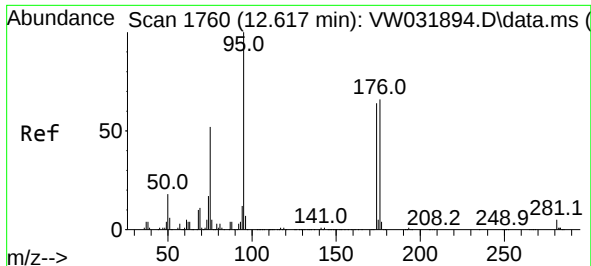
Tgt Ion:117 Resp: 20238
Ion Ratio Lower Upper
117 100
119 3.8 74.3 111.5#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 46.375 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

Tgt Ion: 98 Resp: 448838
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5

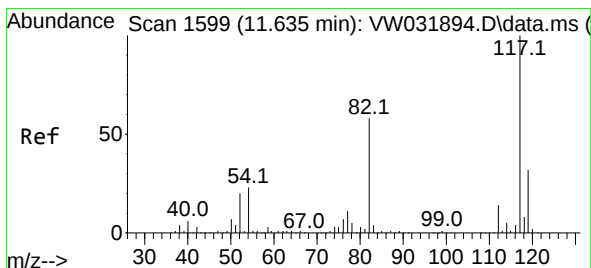
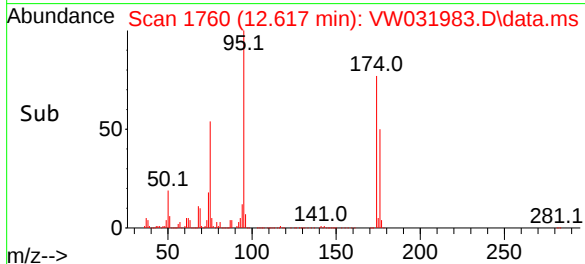
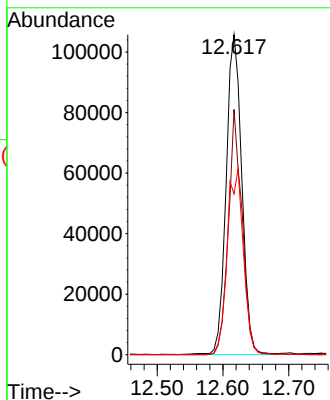
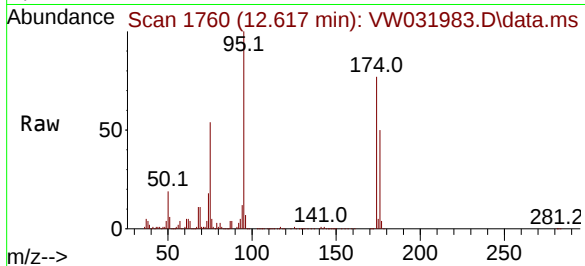




#62
4-Bromofluorobenzene
Concen: 46.930 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

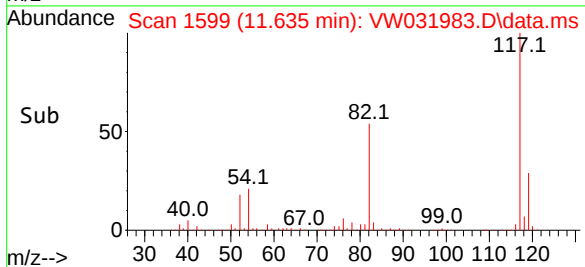
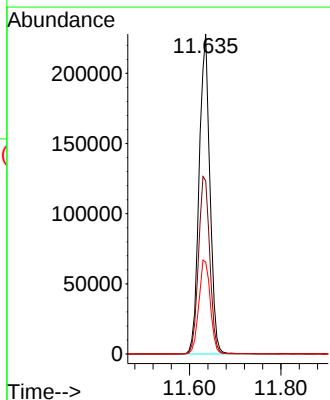
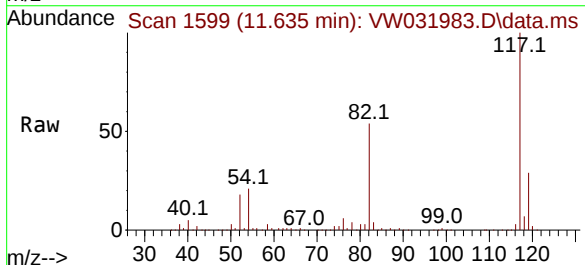
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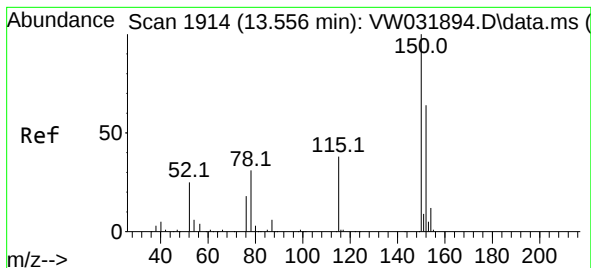
Tgt Ion: 95 Resp: 174406
Ion Ratio Lower Upper
95 100
174 67.5 0.0 129.8
176 60.5 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

Tgt Ion: 117 Resp: 371268
Ion Ratio Lower Upper
117 100
82 54.1 46.5 69.7
119 28.7 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: VW031983.D

Acq: 01 Aug 2025 14:09

Instrument :

MSVOA_W

ClientSampleId :

TR-05-07312025

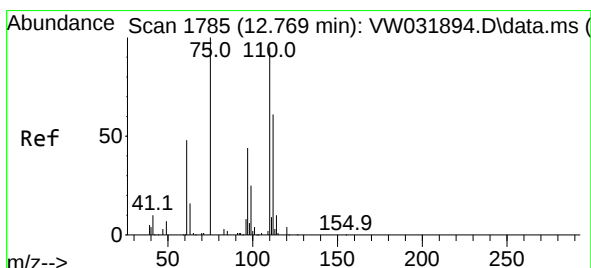
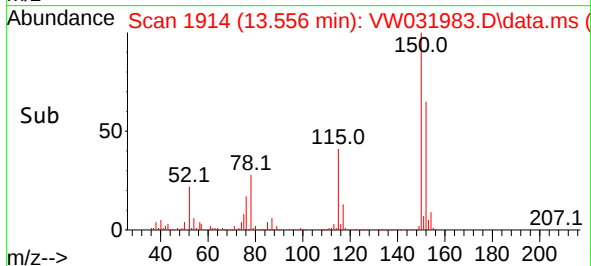
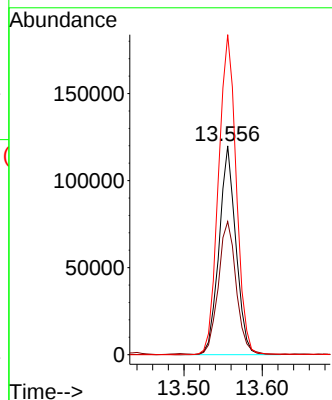
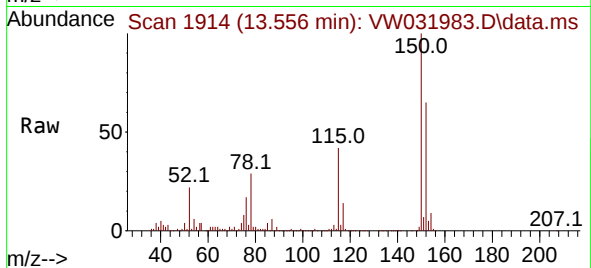
Tgt Ion:152 Resp: 179363

Ion Ratio Lower Upper

152 100

115 67.7 33.4 100.1

150 162.1 0.0 352.2



#76

1,2,3-Trichloropropane

Concen: 35.937 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.152 min

Lab File: VW031983.D

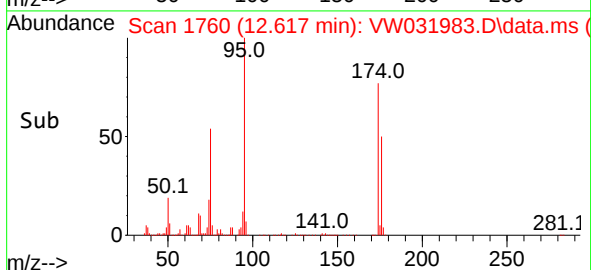
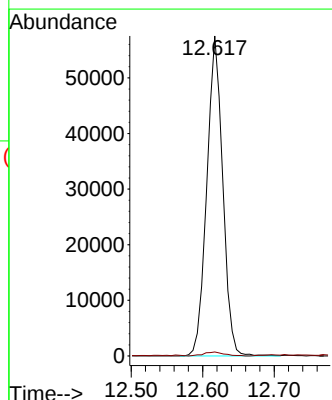
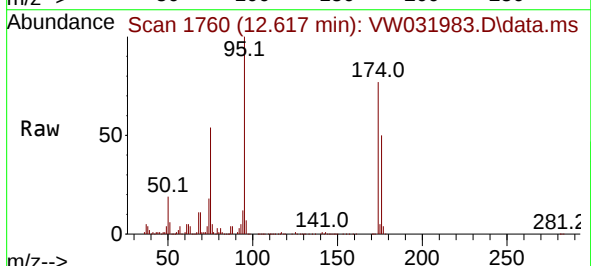
Acq: 01 Aug 2025 14:09

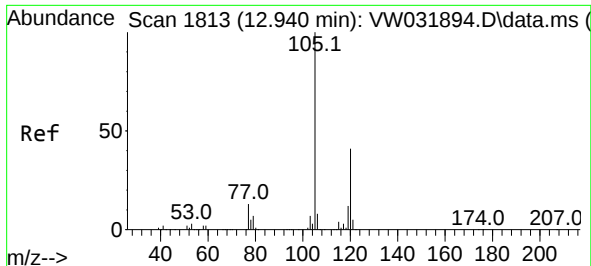
Tgt Ion: 75 Resp: 88993

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

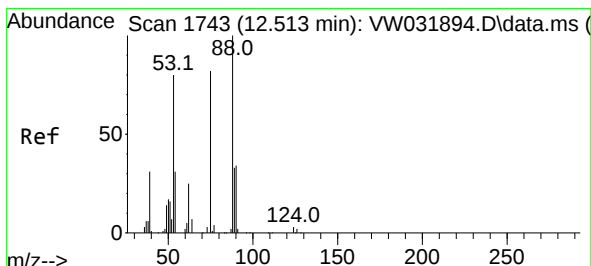
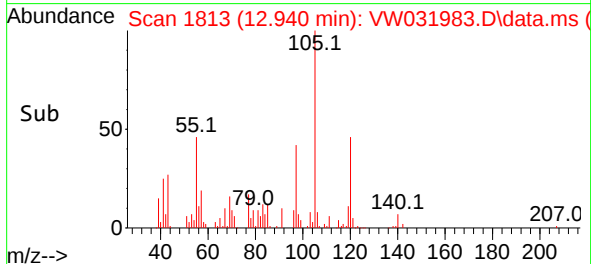
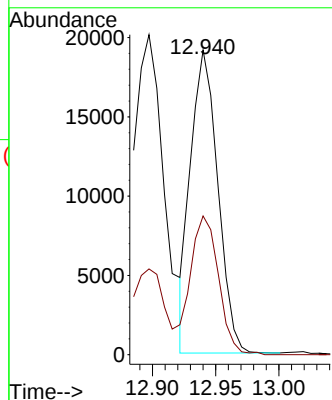
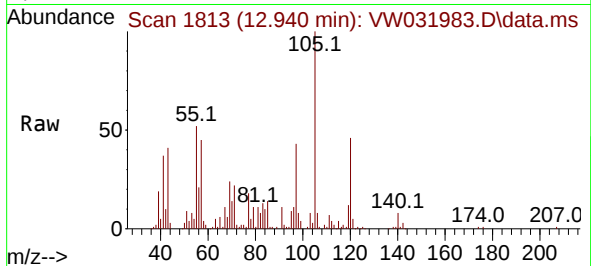




#80
1,3,5-Trimethylbenzene
Concen: 2.185 ug/l
RT: 12.940 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

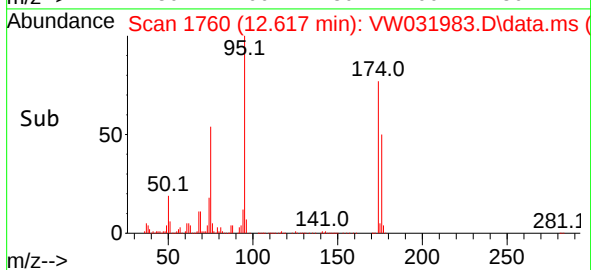
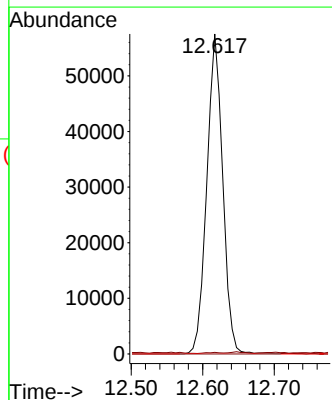
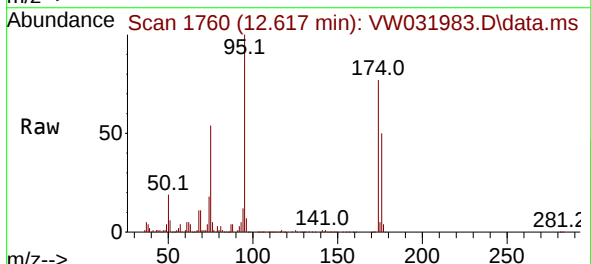
Instrument :
MSVOA_W
ClientSampleId :
TR-05-07312025

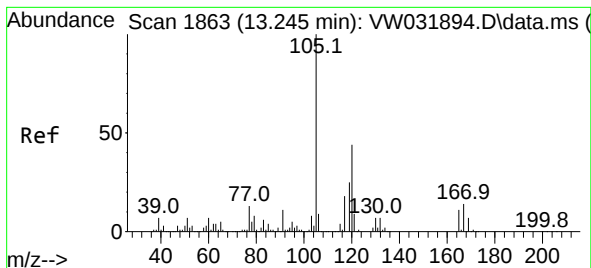
Tgt Ion:105 Resp: 28523
Ion Ratio Lower Upper
105 100
120 48.5 23.5 70.5



#81
trans-1,4-Dichloro-2-butene
Concen: 82.968 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

Tgt Ion: 75 Resp: 88993
Ion Ratio Lower Upper
75 100
53 0.3 83.7 125.5#
89 0.0 39.0 58.6#





#84

1,2,4-Trimethylbenzene

Concen: 6.393 ug/l

RT: 13.251 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VW031983.D

Acq: 01 Aug 2025 14:09

Instrument :

MSVOA_W

ClientSampleId :

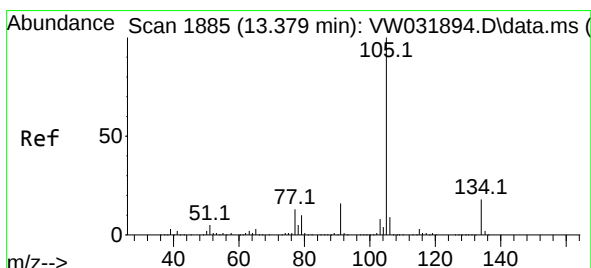
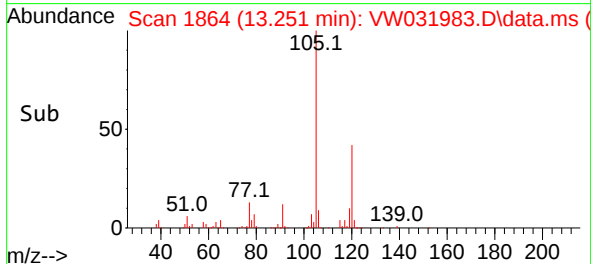
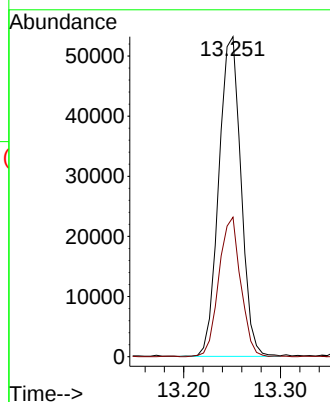
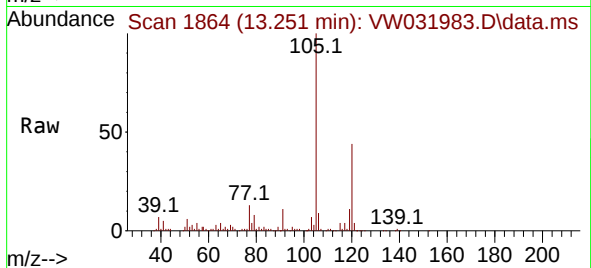
TR-05-07312025

Tgt Ion:105 Resp: 84454

Ion Ratio Lower Upper

105 100

120 43.1 21.3 63.9



#85

sec-Butylbenzene

Concen: 1.126 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW031983.D

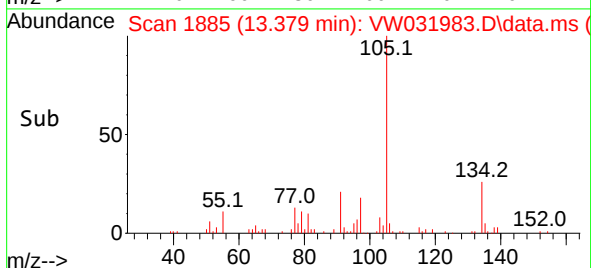
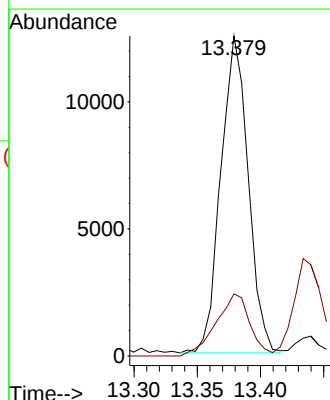
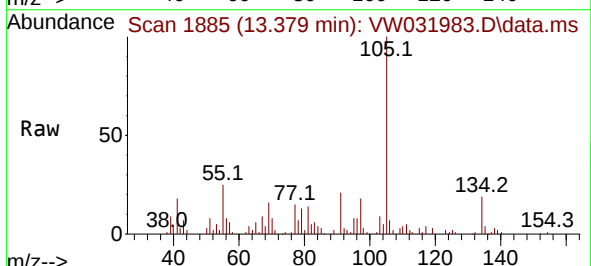
Acq: 01 Aug 2025 14:09

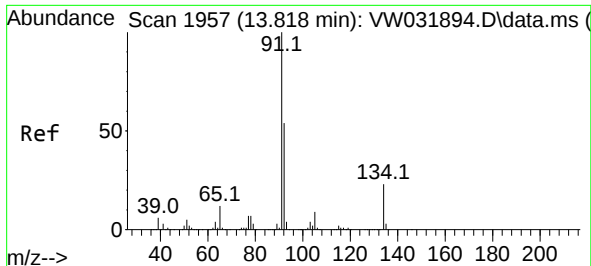
Tgt Ion:105 Resp: 18797

Ion Ratio Lower Upper

105 100

134 24.1 9.2 27.6

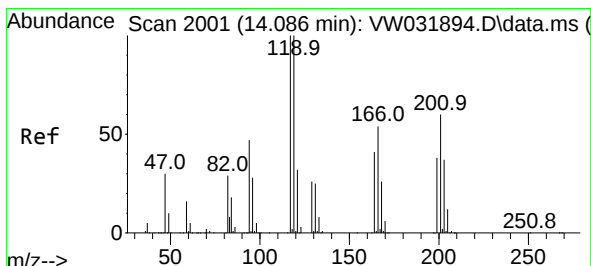
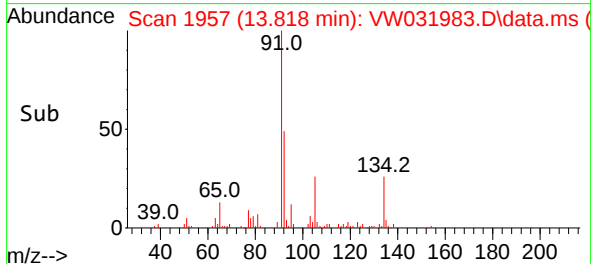
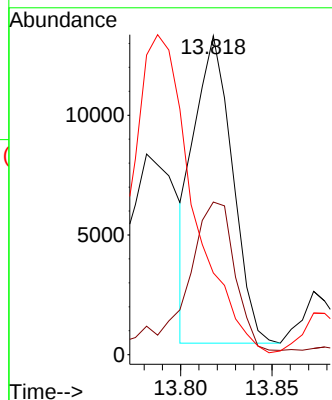
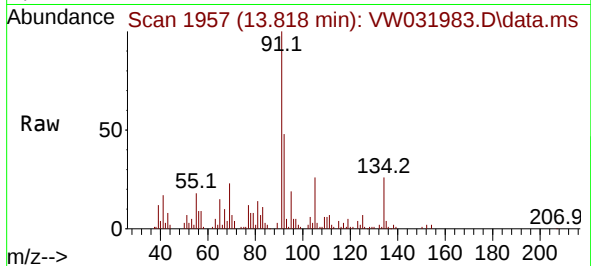




#89
n-Butylbenzene
Concen: 1.384 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

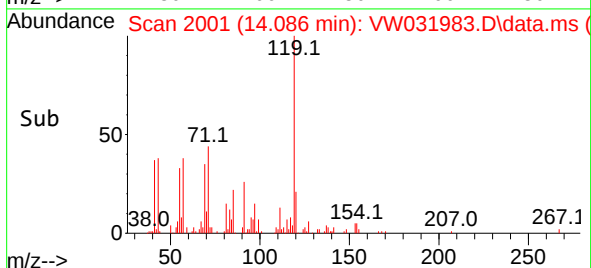
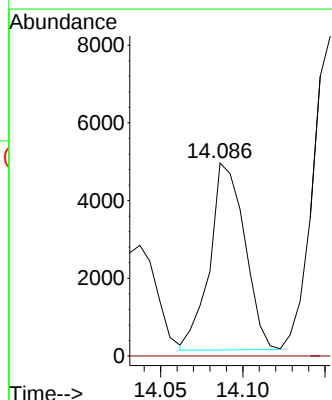
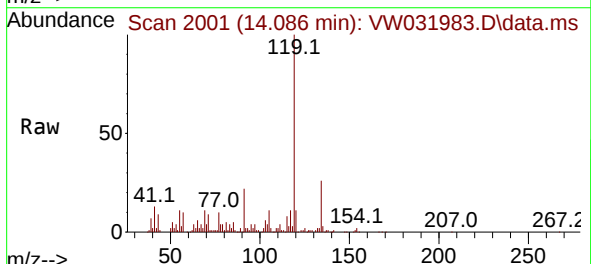
Instrument :
MSVOA_W
ClientSampleId :
TR-05-07312025

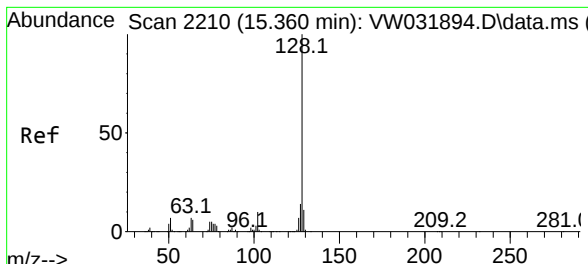
Tgt Ion: 91 Resp: 18739
Ion Ratio Lower Upper
91 100
92 63.1 27.2 81.5
134 0.0 11.6 34.7#



#90
Hexachloroethane
Concen: 2.970 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

Tgt Ion: 117 Resp: 7088
Ion Ratio Lower Upper
117 100
201 0.0 28.4 85.2#





#95
 Naphthalene
 Concen: 2.509 ug/l
 RT: 15.360 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW031983.D
 Acq: 01 Aug 2025 14:09

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-07312025

Tgt Ion:	128	Resp:	23112
Ion	Ratio	Lower	Upper
128	100		
127	9.3	10.7	16.1#
129	9.0	9.2	13.8#

