

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW031997.D
 Acq On : 04 Aug 2025 13:34
 Operator : SY/MD
 Sample : Q2757-02
 Misc : 5.19g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC

Quant Time: Aug 05 01:18:52 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)

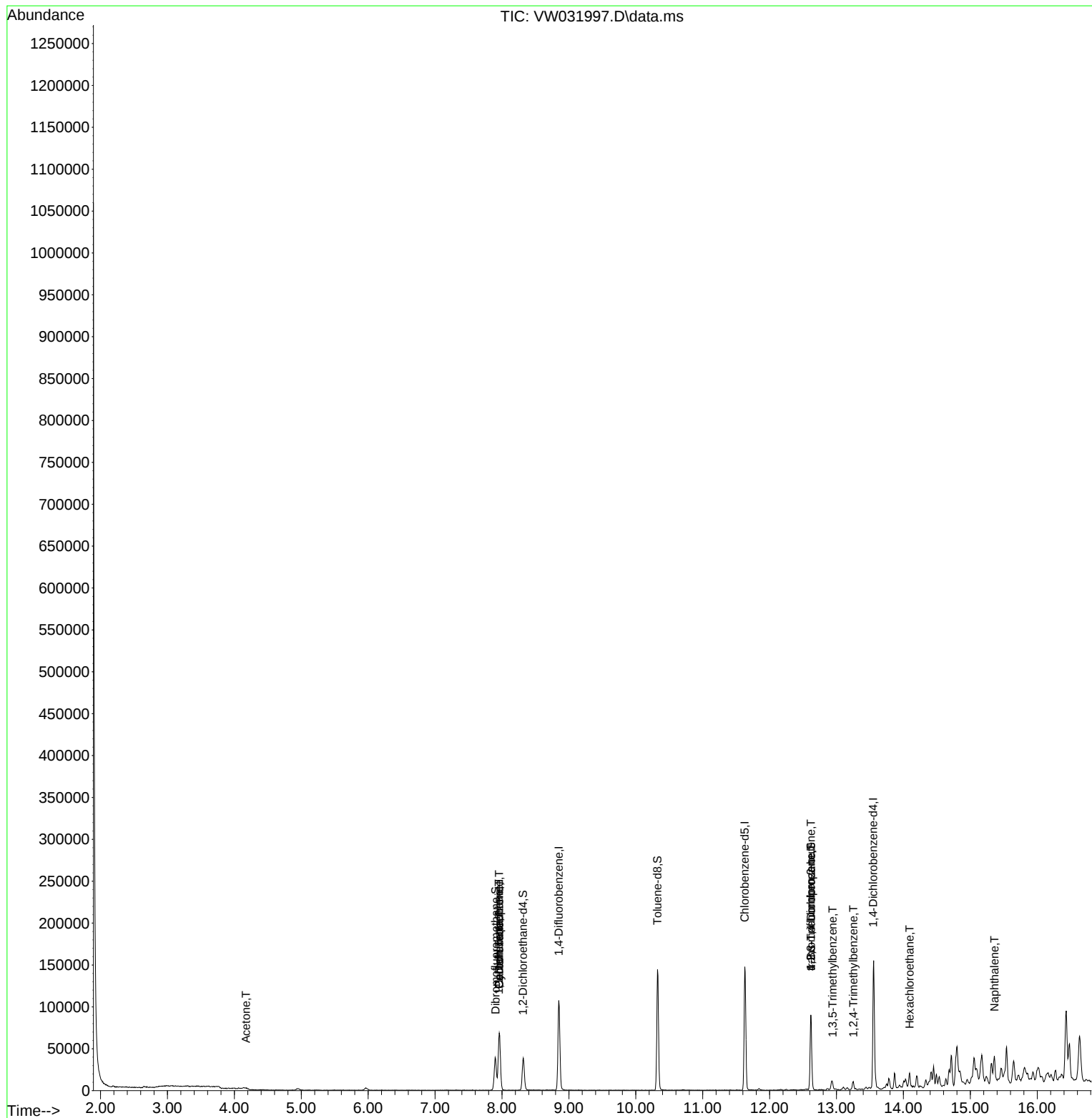
Internal Standards						
1) Pentafluorobenzene	7.959	168	46893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	90953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	84121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	38839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	32344	45.595	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	91.200%
35) Dibromofluoromethane	7.904	113	29094	47.075	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.140%
50) Toluene-d8	10.325	98	95141	40.675	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	81.340%
62) 4-Bromofluorobenzene	12.617	95	33656	37.472	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	74.940%
Target Compounds						
					Qvalue	
13) Acrolein	3.948	56	57	Below Cal	#	14
16) Acetone	4.173	43	2122	12.606	ug/l #	81
20) Methylene Chloride	4.947	84	1547	Below Cal	#	83
31) Cyclohexane	7.959	56	1480	1.360	ug/l #	34
36) 1,1-Dichloropropene	7.953	75	4172	4.396	ug/l #	48
38) Carbon Tetrachloride	7.959	117	5619	6.169	ug/l #	15
76) 1,2,3-Trichloropropane	12.617	75	17157	31.996	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.940	105	2994	1.059	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.617	75	17157	73.869	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.251	105	5757	2.012	ug/l	97
90) Hexachloroethane	14.092	117	1036	2.005	ug/l #	23
95) Naphthalene	15.360	128	23955	12.011	ug/l	97

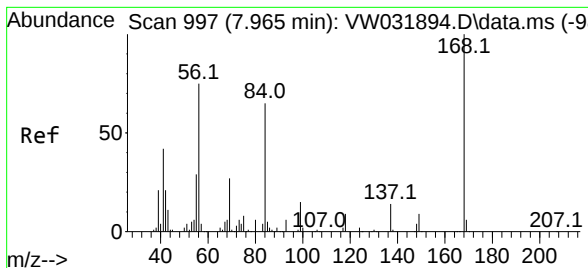
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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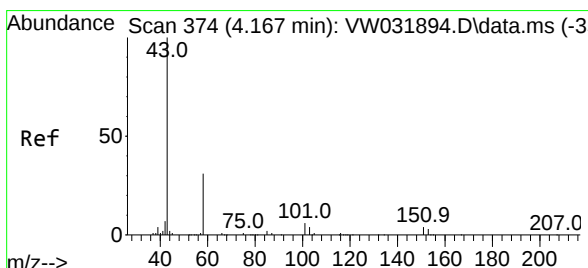
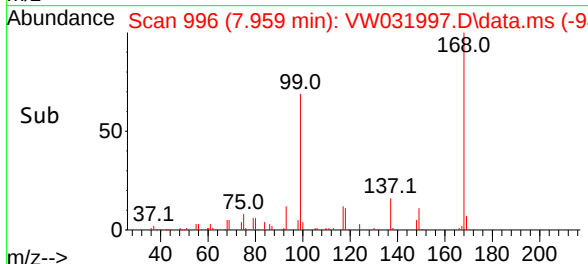
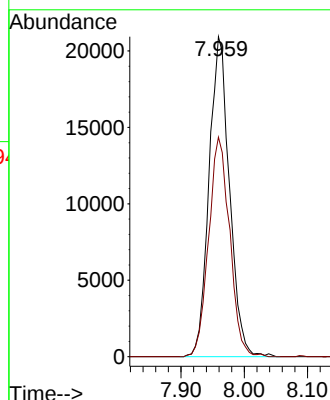
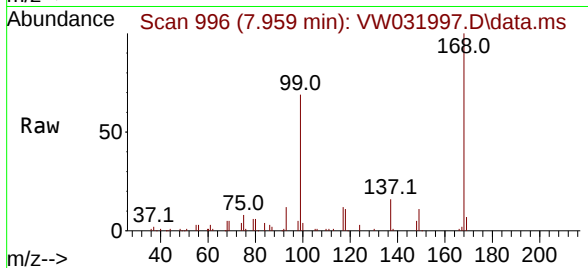




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031997.D
Acq: 04 Aug 2025 13:34

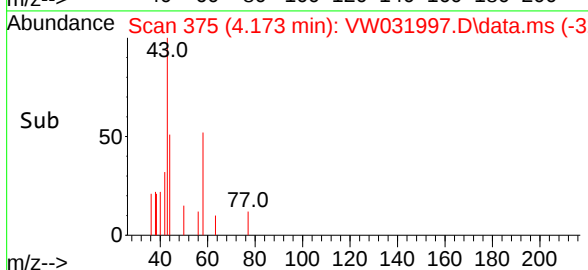
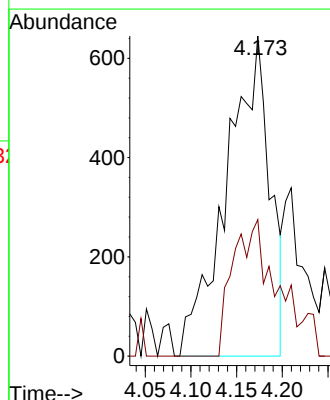
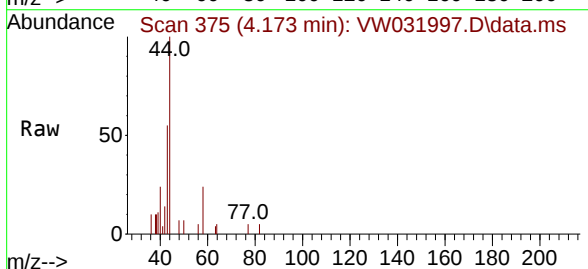
Instrument :
MSVOA_W
ClientSampleId :
VOC

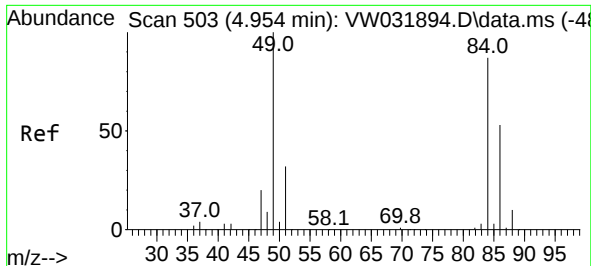
Tgt Ion:168 Resp: 46893
Ion Ratio Lower Upper
168 100
99 68.6 48.2 72.2



#16
Acetone
Concen: 12.606 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.006 min
Lab File: VW031997.D
Acq: 04 Aug 2025 13:34

Tgt Ion: 43 Resp: 2122
Ion Ratio Lower Upper
43 100
58 42.6 25.5 38.3#

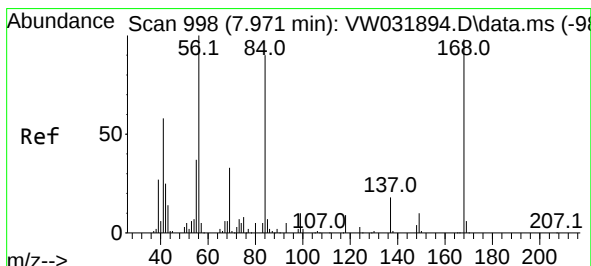
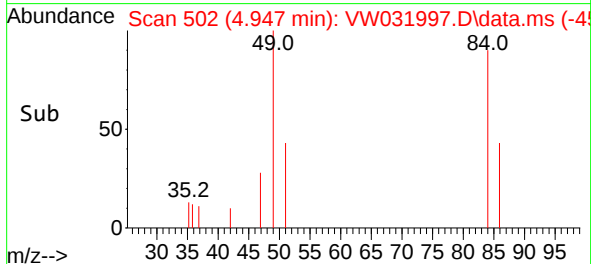
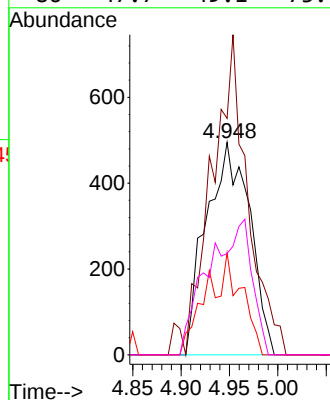
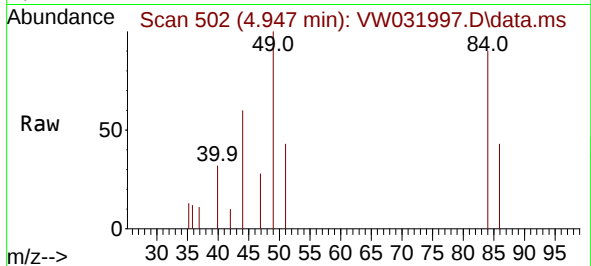




#20
Methylene Chloride
Concen: Below Cal
RT: 4.947 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW031997.D
Acq: 04 Aug 2025 13:34

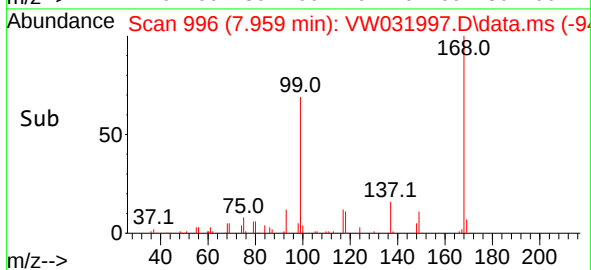
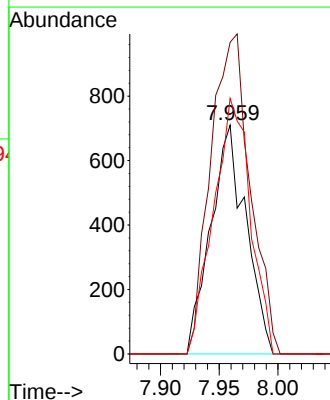
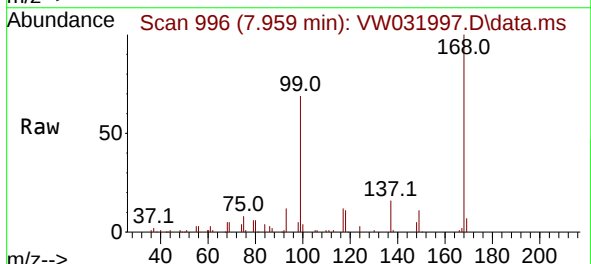
Instrument :
MSVOA_W
ClientSampleId :
VOC

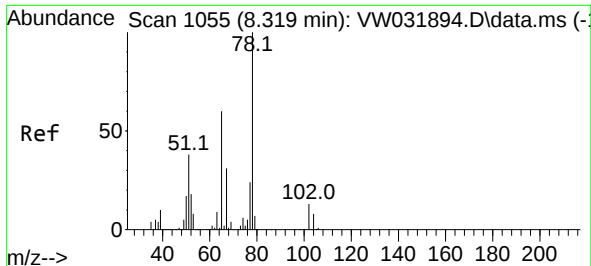
Tgt Ion:	84	Resp:	1547
Ion	Ratio	Lower	Upper
84	100		
49	99.0	91.9	137.9
51	48.1	29.0	43.6#
86	47.7	49.1	73.7#



#31
Cyclohexane
Concen: 1.360 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031997.D
Acq: 04 Aug 2025 13:34

Tgt Ion:	56	Resp:	1480
Ion	Ratio	Lower	Upper
56	100		
69	136.2	26.7	40.1#
84	111.7	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 45.595 ug/l

RT: 8.313 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VW031997.D

Acq: 04 Aug 2025 13:34

Instrument :

MSVOA_W

ClientSampleId :

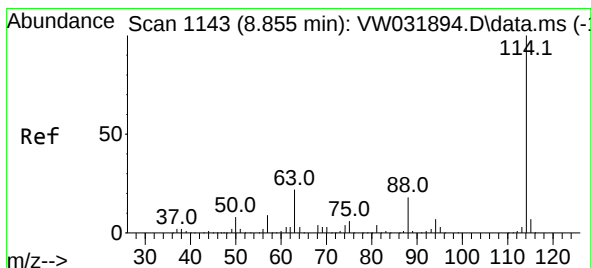
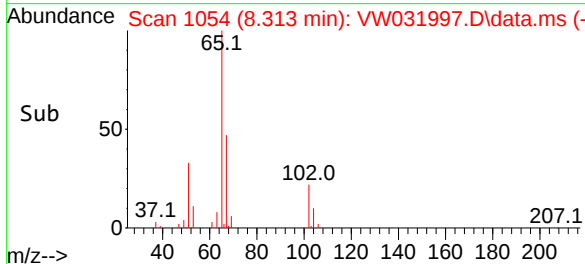
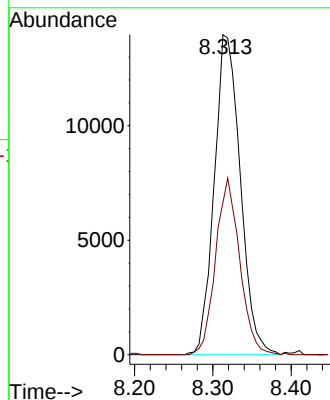
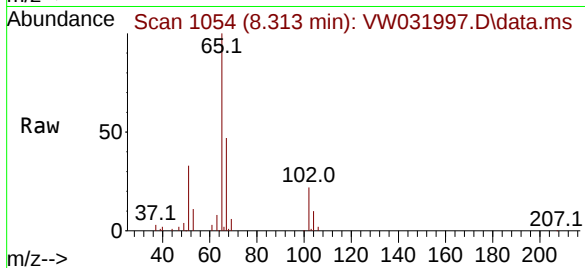
VOC

Tgt Ion: 65 Resp: 32344

Ion Ratio Lower Upper

65 100

67 50.9 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: VW031997.D

Acq: 04 Aug 2025 13:34

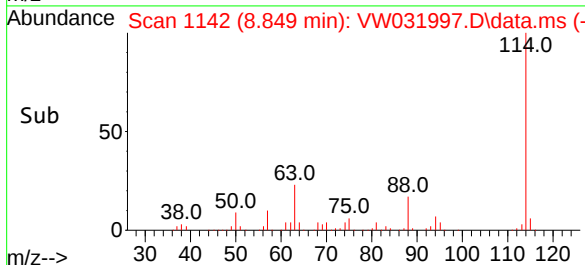
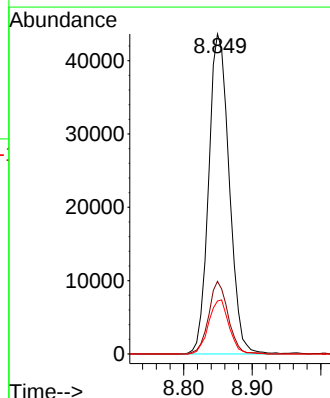
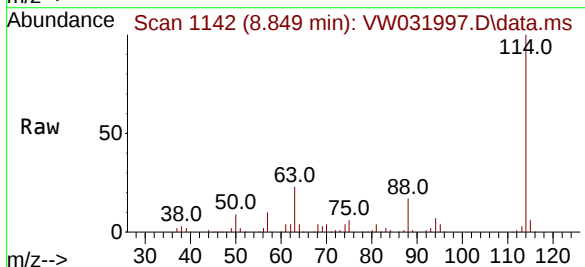
Tgt Ion: 114 Resp: 90953

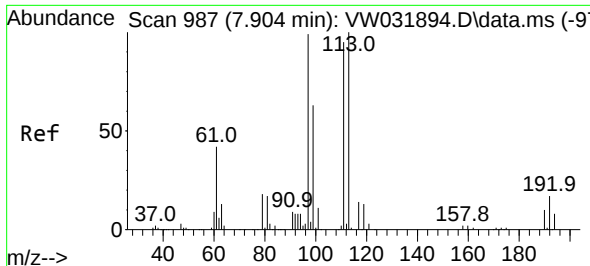
Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.2

88 16.5 0.0 35.6

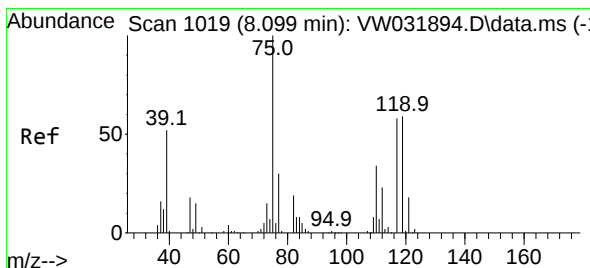
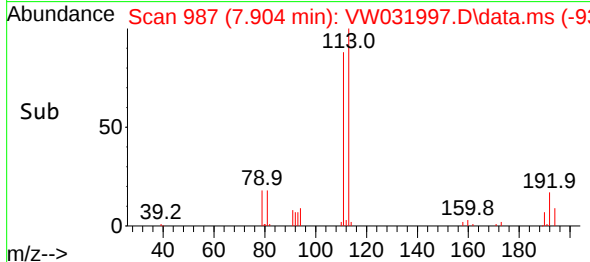
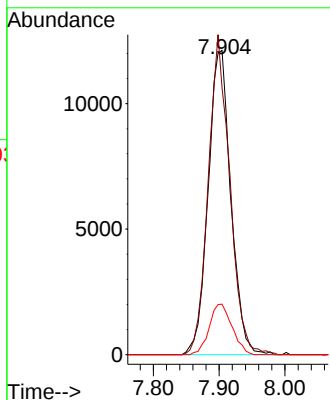
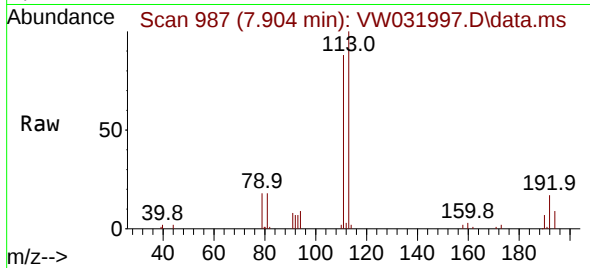




#35
 Dibromofluoromethane
 Concen: 47.075 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VW031997.D
 Acq: 04 Aug 2025 13:34

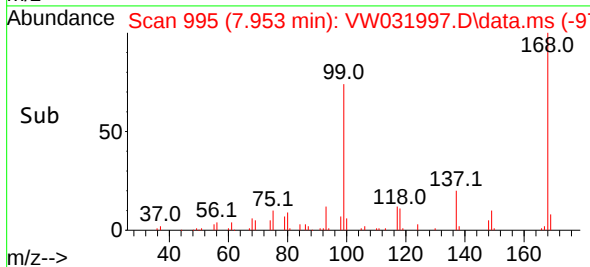
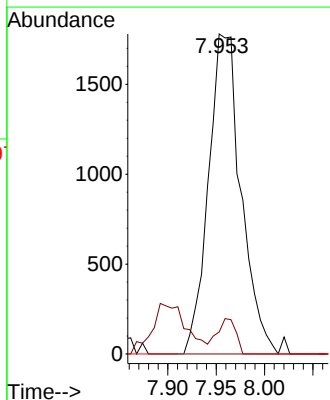
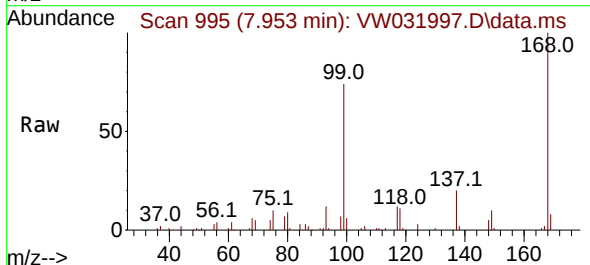
Instrument :
 MSVOA_W
 ClientSampleId :
 VOC

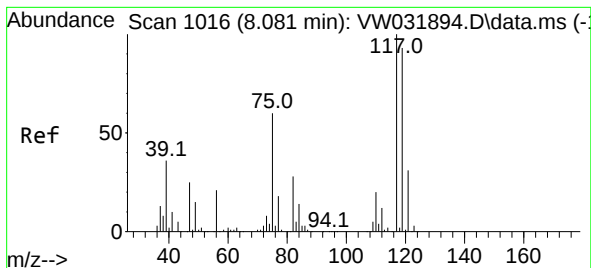
Tgt Ion:113 Resp: 29094
 Ion Ratio Lower Upper
 113 100
 111 100.0 79.9 119.9
 192 16.7 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 4.396 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.146 min
 Lab File: VW031997.D
 Acq: 04 Aug 2025 13:34

Tgt Ion: 75 Resp: 4172
 Ion Ratio Lower Upper
 75 100
 110 6.4 17.0 50.9#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.169 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031997.D

Acq: 04 Aug 2025 13:34

Instrument :

MSVOA_W

ClientSampleId :

VOC

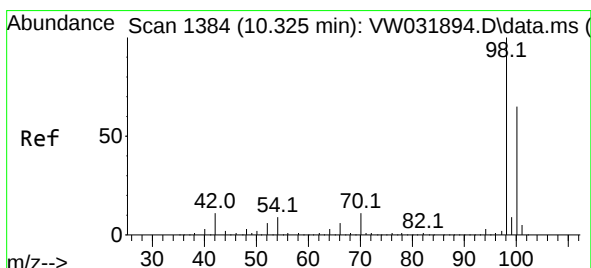
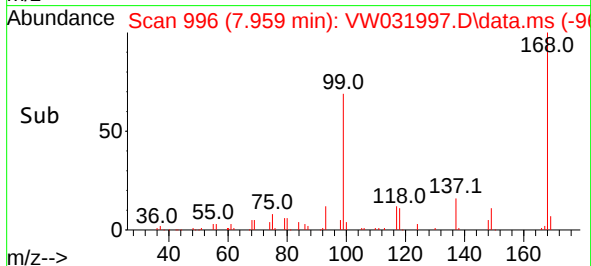
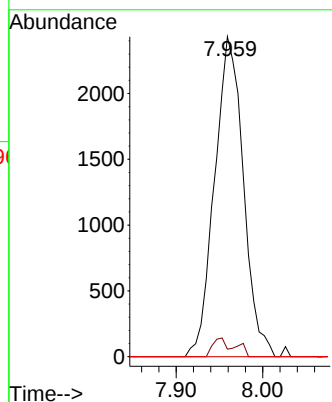
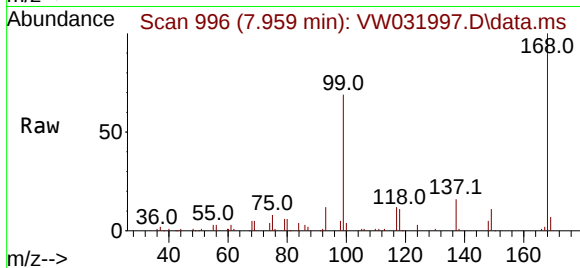
Tgt Ion:117 Resp: 5619

Ion Ratio Lower Upper

117 100

119 2.3 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 40.675 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031997.D

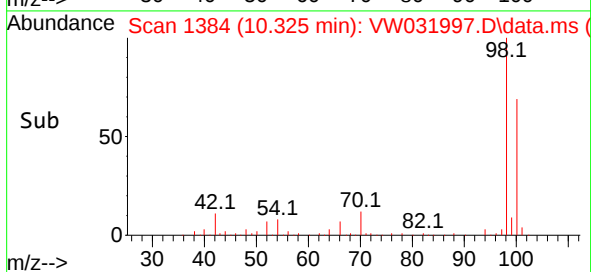
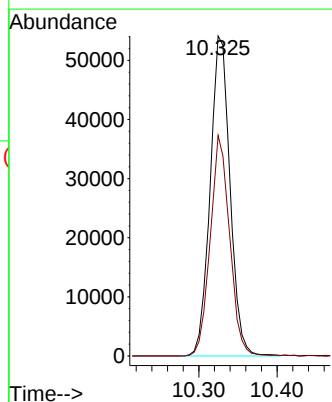
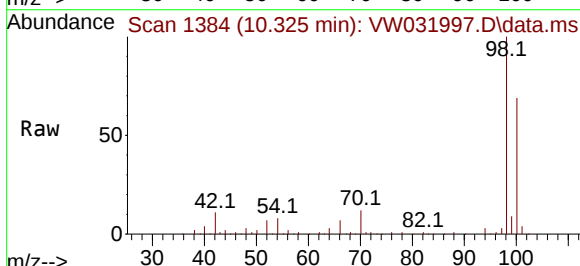
Acq: 04 Aug 2025 13:34

Tgt Ion: 98 Resp: 95141

Ion Ratio Lower Upper

98 100

100 67.6 51.7 77.5

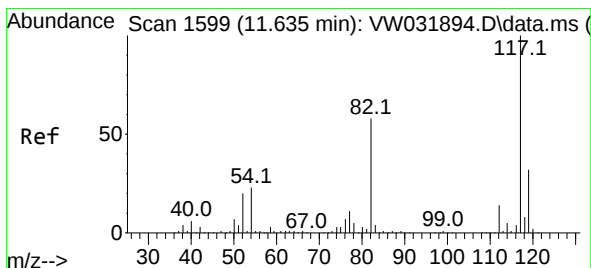
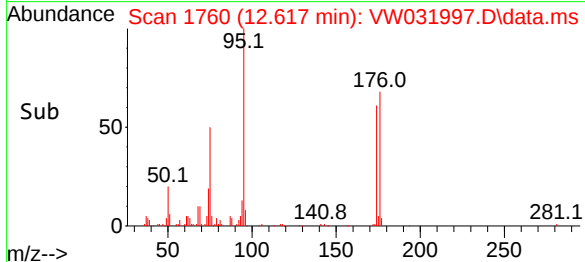
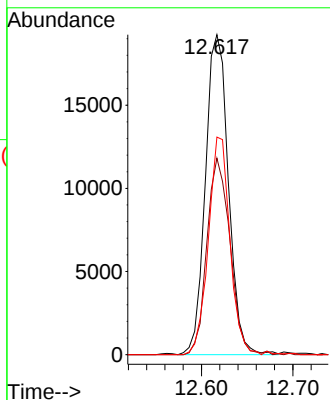
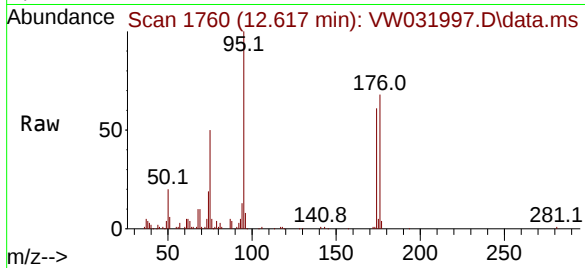




#62
4-Bromofluorobenzene
Concen: 37.472 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031997.D
Acq: 04 Aug 2025 13:34

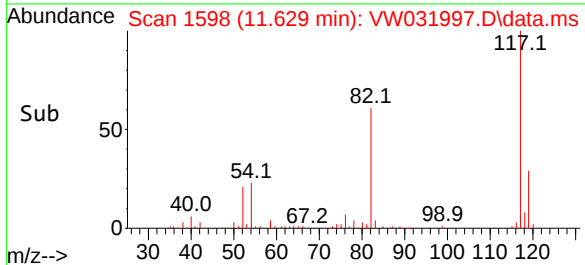
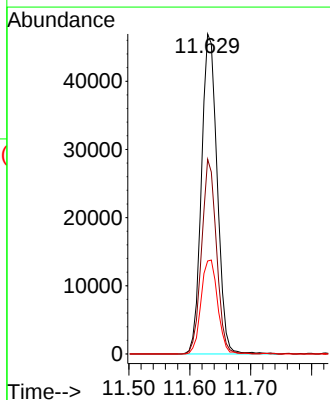
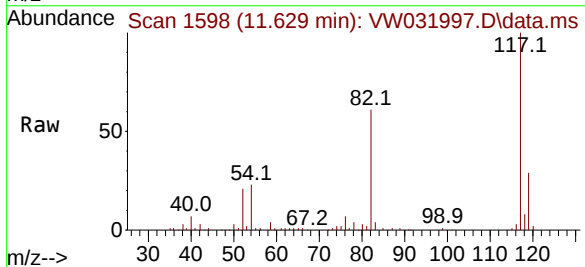
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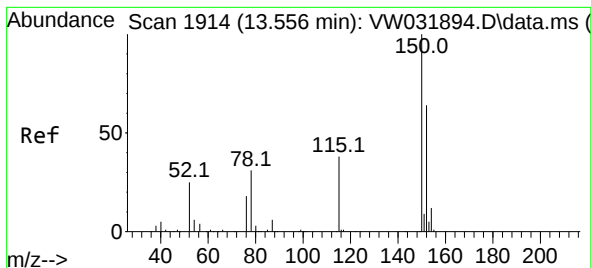
Tgt Ion: 95 Resp: 33656
Ion Ratio Lower Upper
95 100
174 61.7 0.0 129.8
176 63.6 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW031997.D
Acq: 04 Aug 2025 13:34

Tgt Ion: 117 Resp: 84121
Ion Ratio Lower Upper
117 100
82 60.9 46.5 69.7
119 29.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.550 min Scan# 1914

Delta R.T. -0.006 min

Lab File: VW031997.D

Acq: 04 Aug 2025 13:34

Instrument :

MSVOA_W

ClientSampleId :

VOC

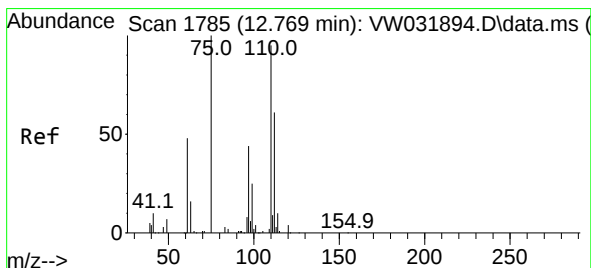
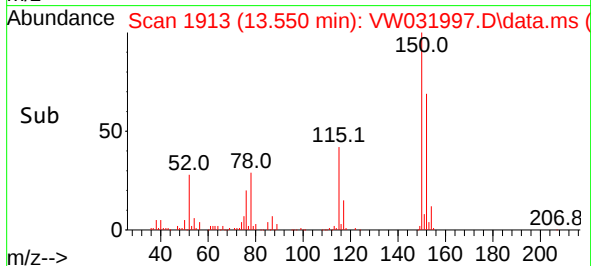
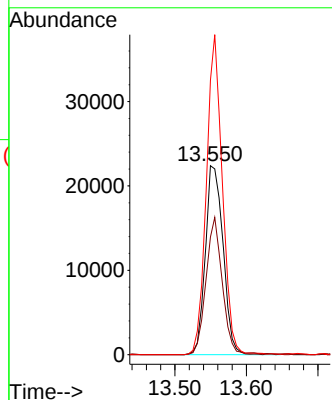
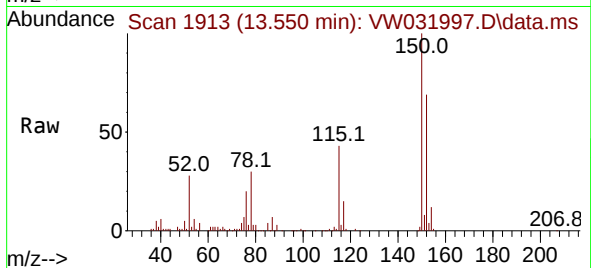
Tgt Ion:152 Resp: 38839

Ion Ratio Lower Upper

152 100

115 65.8 33.4 100.1

150 151.9 0.0 352.2



#76

1,2,3-Trichloropropane

Concen: 31.996 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.152 min

Lab File: VW031997.D

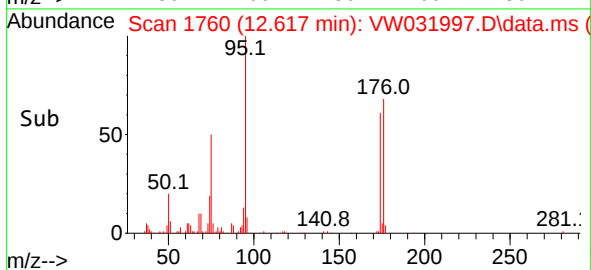
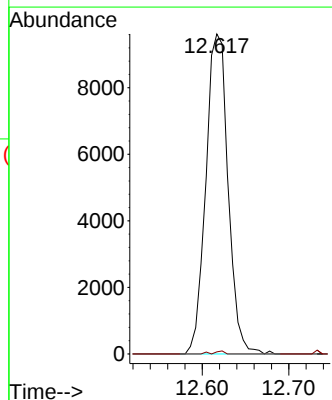
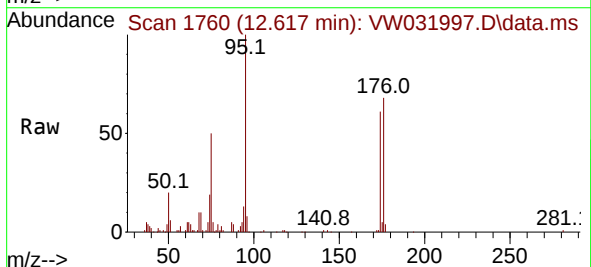
Acq: 04 Aug 2025 13:34

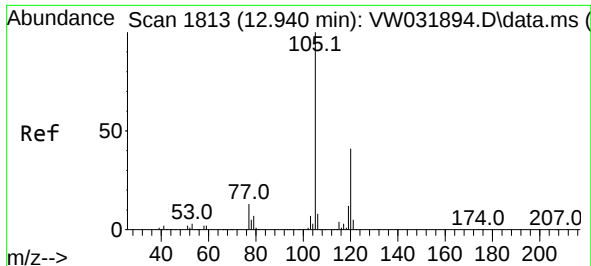
Tgt Ion: 75 Resp: 17157

Ion Ratio Lower Upper

75 100

77 0.4 0.0 0.0#

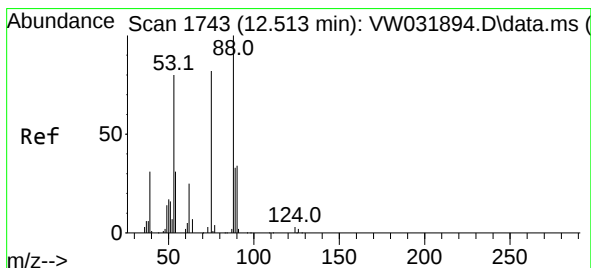
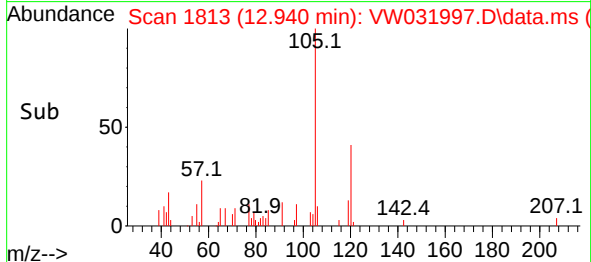
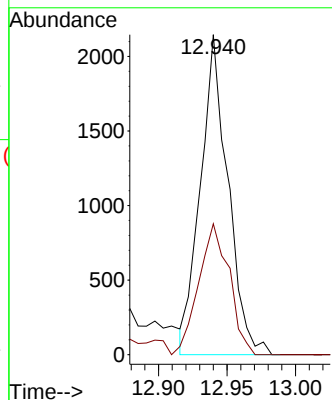
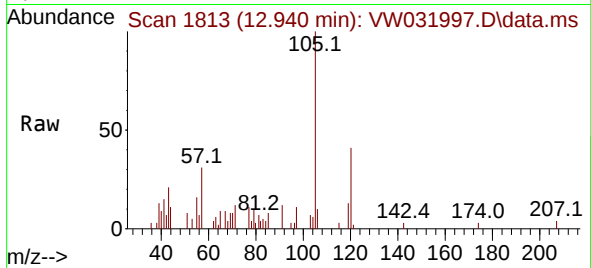




#80
1,3,5-Trimethylbenzene
Concen: 1.059 ug/l
RT: 12.940 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031997.D
Acq: 04 Aug 2025 13:34

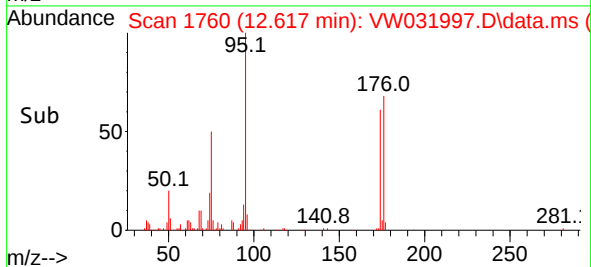
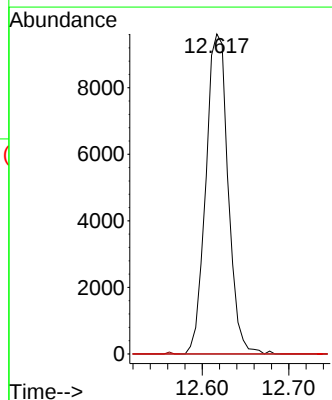
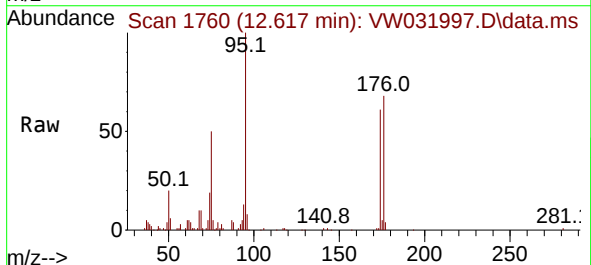
Instrument :
MSVOA_W
ClientSampleId :
VOC

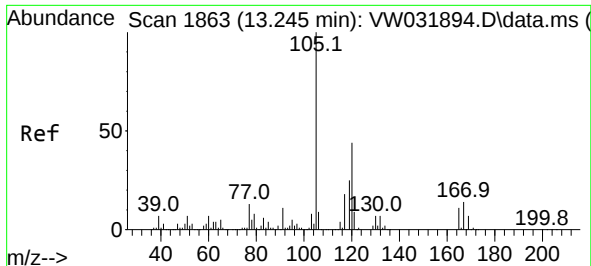
Tgt Ion:105 Resp: 2994
Ion Ratio Lower Upper
105 100
120 45.5 23.5 70.5



#81
trans-1,4-Dichloro-2-butene
Concen: 73.869 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031997.D
Acq: 04 Aug 2025 13:34

Tgt Ion: 75 Resp: 17157
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 39.0 58.6#

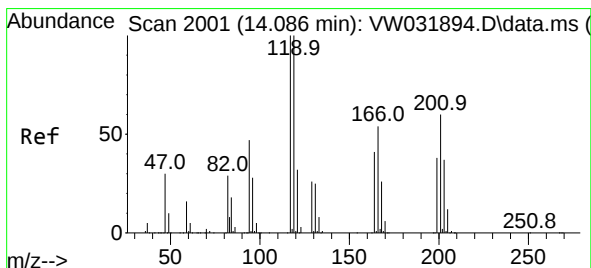
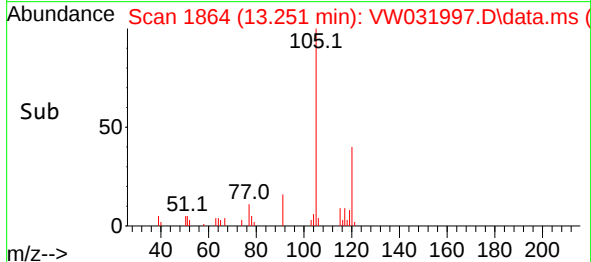
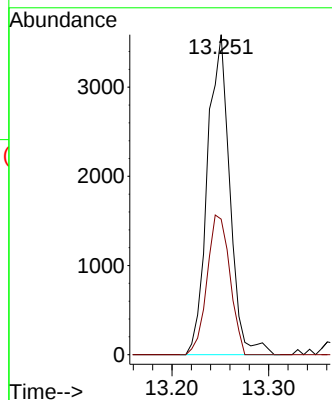
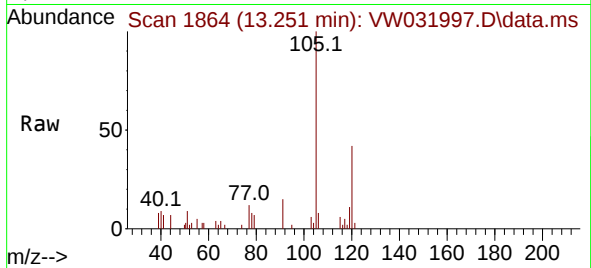




#84
 1,2,4-Trimethylbenzene
 Concen: 2.012 ug/l
 RT: 13.251 min Scan# 1864
 Delta R.T. 0.006 min
 Lab File: VW031997.D
 Acq: 04 Aug 2025 13:34

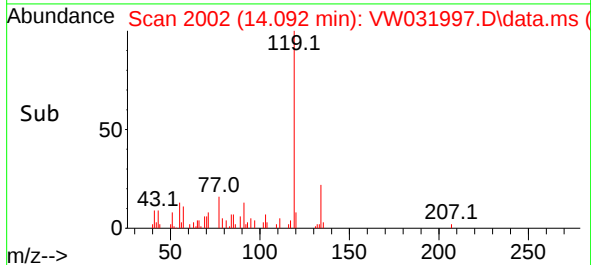
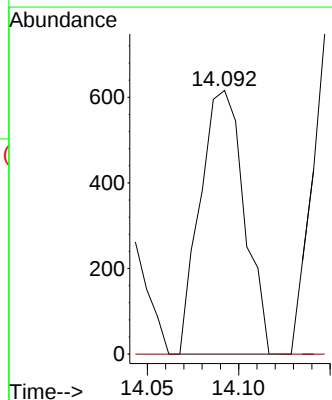
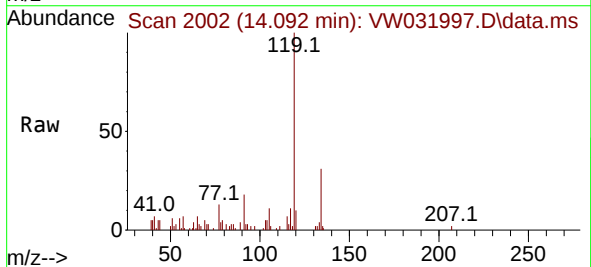
Instrument :
 MSVOA_W
 ClientSampleId :
 VOC

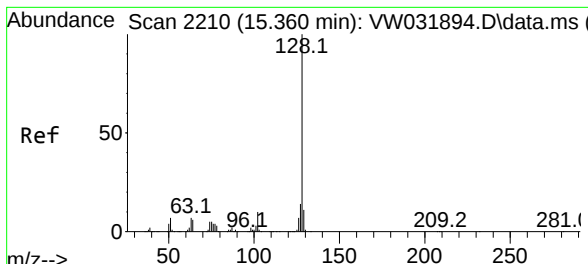
Tgt Ion:105 Resp: 5757
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.3 63.9



#90
 Hexachloroethane
 Concen: 2.005 ug/l
 RT: 14.092 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VW031997.D
 Acq: 04 Aug 2025 13:34

Tgt Ion:117 Resp: 1036
 Ion Ratio Lower Upper
 117 100
 201 0.0 28.4 85.2#





#95
 Naphthalene
 Concen: 12.011 ug/l
 RT: 15.360 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW031997.D
 Acq: 04 Aug 2025 13:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC

Tgt Ion:	128	Resp:	23955
Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.7	16.1
129	12.2	9.2	13.8

