

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032010.D
 Acq On : 05 Aug 2025 12:58
 Operator : SY/MD
 Sample : Q2763-03
 Misc : 3.79g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2 VOC

Quant Time: Aug 06 03:54:13 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)

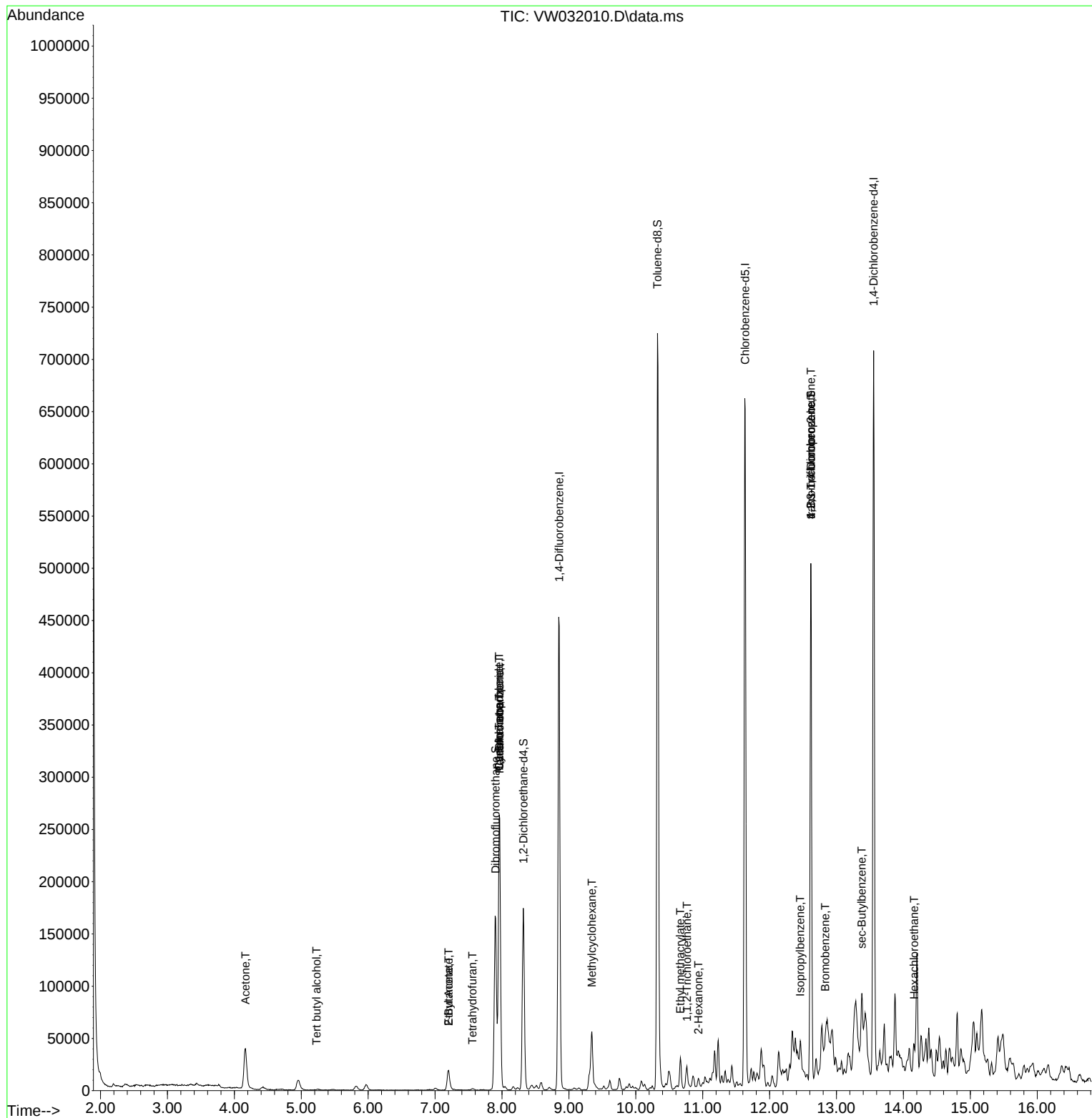
Internal Standards						
1) Pentafluorobenzene	7.965	168	183819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	376007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	361766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	140033	50.359	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.720%			
35) Dibromofluoromethane	7.904	113	121979	47.741	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 95.480%			
50) Toluene-d8	10.324	98	467436	48.339	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 96.680%			
62) 4-Bromofluorobenzene	12.617	95	177474	47.797	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 95.600%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.228	59	252	1.542	ug/l #	72
13) Acrolein	3.911	56	326	Below Cal	#	67
16) Acetone	4.167	43	74835	113.412	ug/l	97
20) Methylene Chloride	4.953	84	8111	Below Cal		91
25) 2-Butanone	7.203	43	32446	35.938	ug/l	100
29) Tetrahydrofuran	7.557	42	617	1.042	ug/l #	89
31) Cyclohexane	7.959	56	6997	1.641	ug/l #	4
36) 1,1-Dichloropropene	7.959	75	16430	4.187	ug/l #	49
37) Ethyl Acetate	7.203	43	32446	14.495	ug/l #	70
38) Carbon Tetrachloride	7.959	117	20603	5.471	ug/l #	16
39) Methylcyclohexane	9.343	83	22725	4.602	ug/l	94
55) 1,1,2-Trichloroethane	10.763	97	6935	3.011	ug/l #	25
56) Ethyl methacrylate	10.666	69	3259	1.002	ug/l #	31
59) 2-Hexanone	10.934	43	2990	1.940	ug/l #	27
73) Isopropylbenzene	12.458	105	17633	1.161	ug/l	98
76) 1,2,3-Trichloropropane	12.617	75	92236	38.181	ug/l #	100
77) Bromobenzene	12.830	156	27940	8.506	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	92236	88.149	ug/l #	8
85) sec-Butylbenzene	13.379	105	35183	2.160	ug/l	82
90) Hexachloroethane	14.159	117	13751	5.907	ug/l #	23

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

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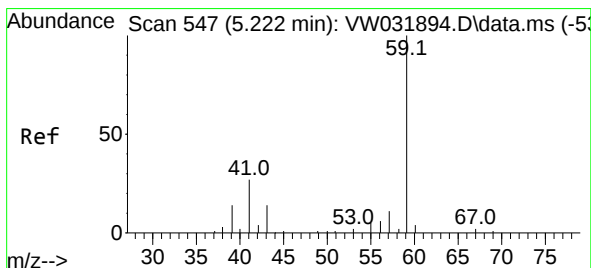
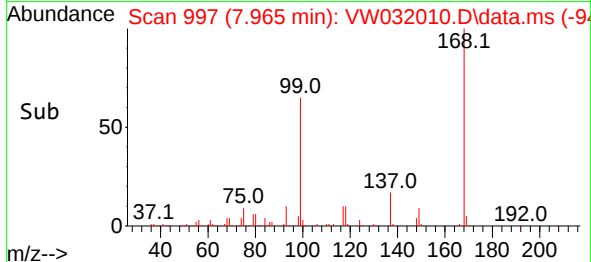
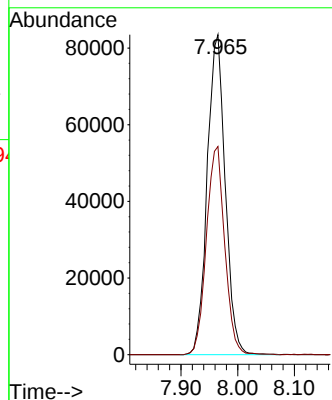
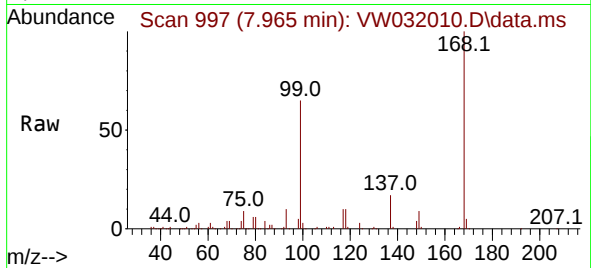




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

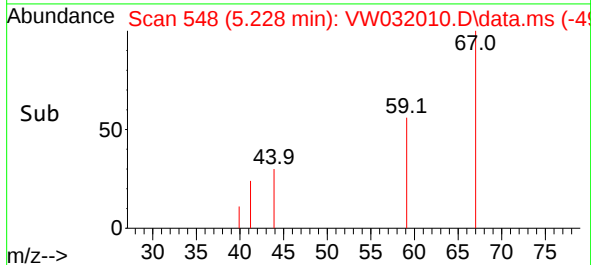
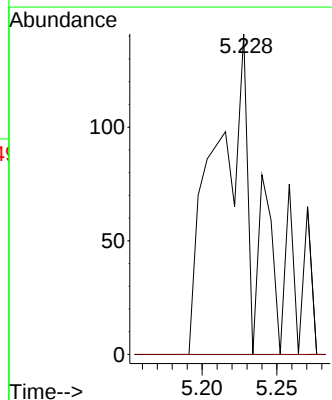
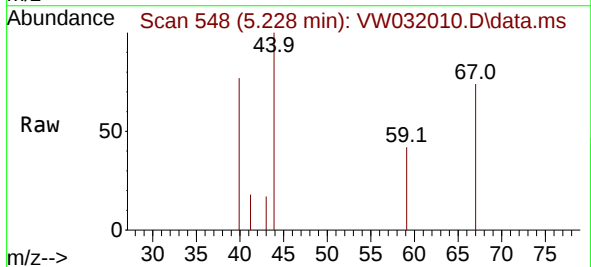
Instrument :
MSVOA_W
ClientSampleId :
TP-2 VOC

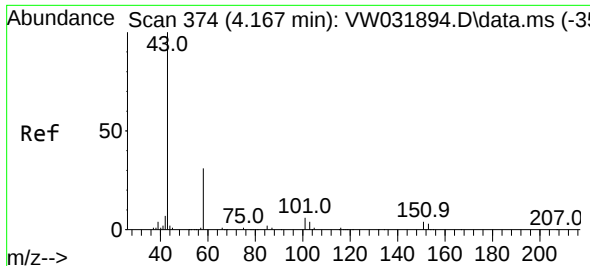
Tgt Ion:168 Resp: 183819
Ion Ratio Lower Upper
168 100
99 65.0 48.2 72.2



#11
Tert butyl alcohol
Concen: 1.542 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8

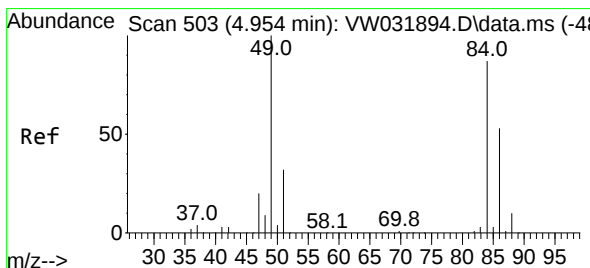
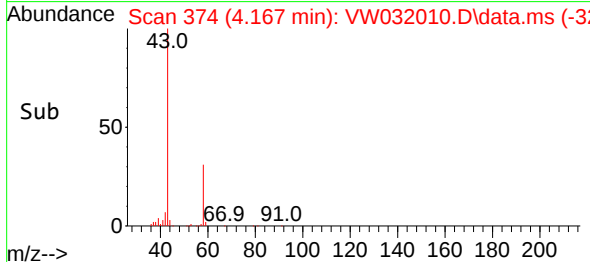
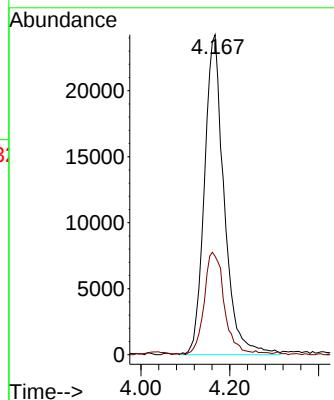
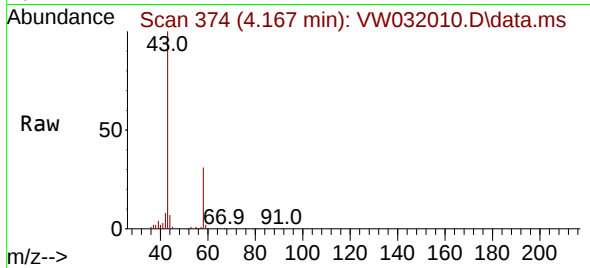




#16
Acetone
Concen: 113.412 ug/l
RT: 4.167 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

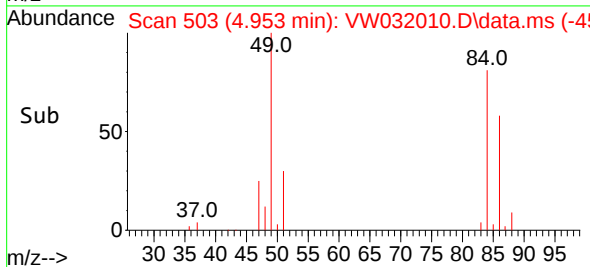
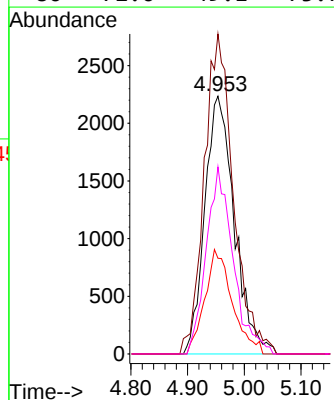
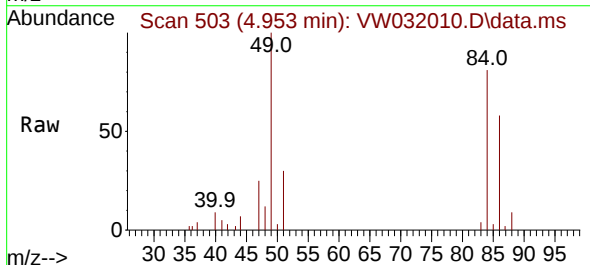
Instrument :
MSVOA_W
ClientSampleId :
TP-2 VOC

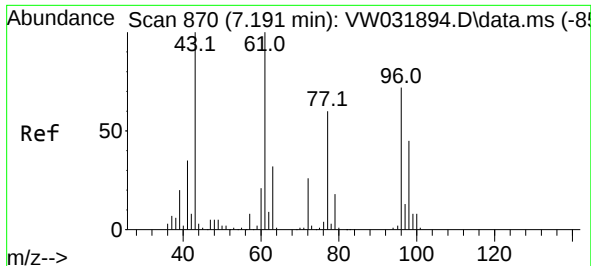
Tgt Ion: 43 Resp: 74835
Ion Ratio Lower Upper
43 100
58 30.5 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.953 min Scan# 503
Delta R.T. -0.001 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

Tgt Ion: 84 Resp: 8111
Ion Ratio Lower Upper
84 100
49 124.1 91.9 137.9
51 37.1 29.0 43.6
86 72.6 49.1 73.7

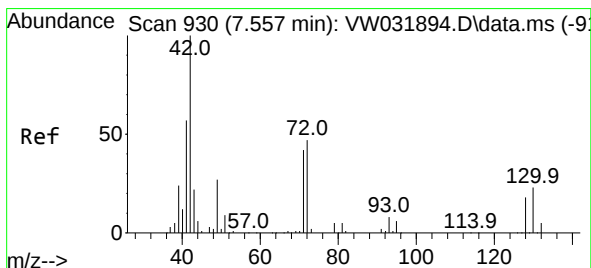
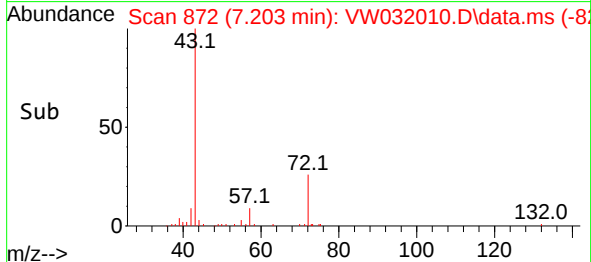
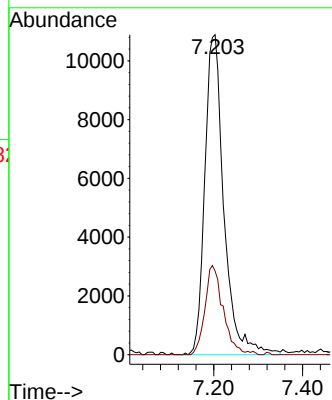
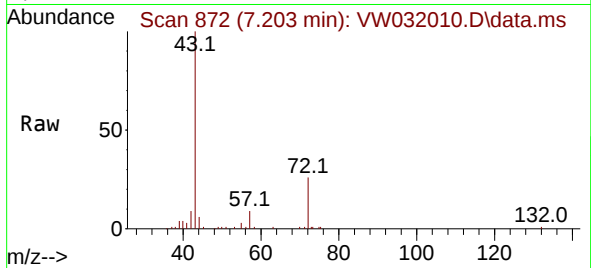




#25
2-Butanone
Concen: 35.938 ug/l
RT: 7.203 min Scan# 81
Delta R.T. 0.012 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

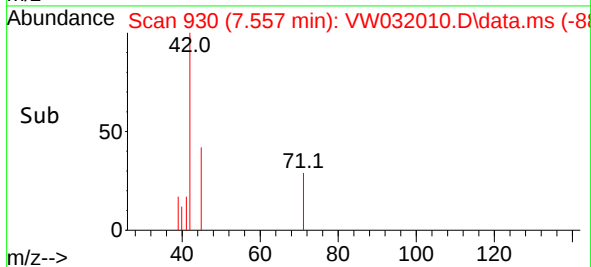
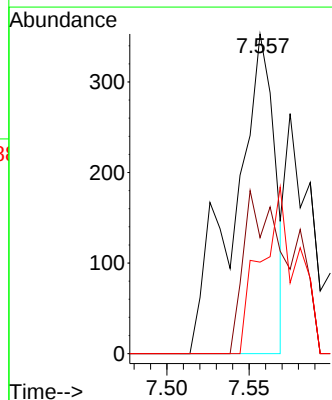
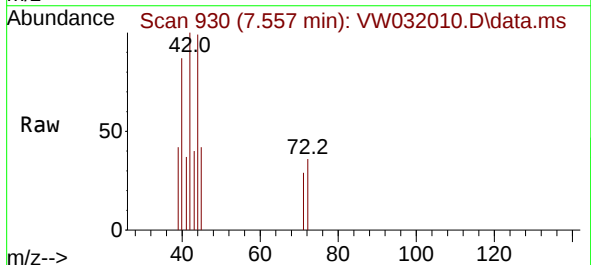
Instrument :
MSVOA_W
ClientSampleId :
TP-2 VOC

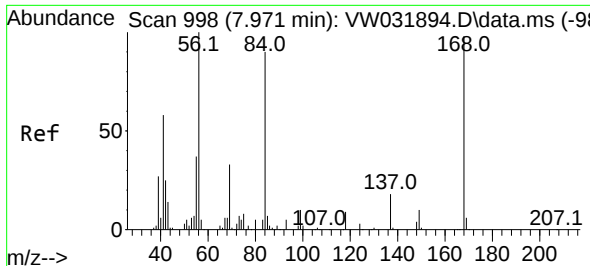
Tgt Ion: 43 Resp: 32446
Ion Ratio Lower Upper
43 100
72 26.2 20.8 31.2



#29
Tetrahydrofuran
Concen: 1.042 ug/l
RT: 7.557 min Scan# 930
Delta R.T. -0.000 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

Tgt Ion: 42 Resp: 617
Ion Ratio Lower Upper
42 100
72 57.5 37.0 55.6#
71 45.9 34.5 51.7

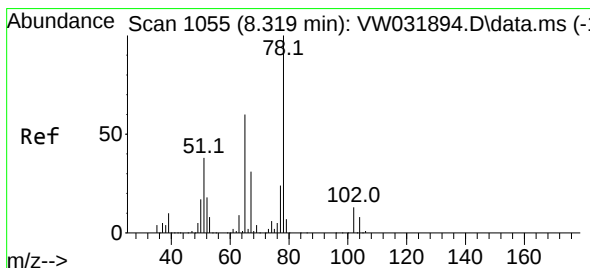
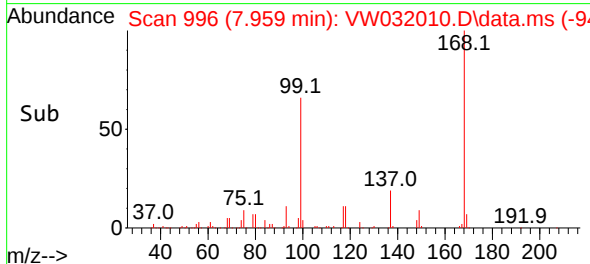
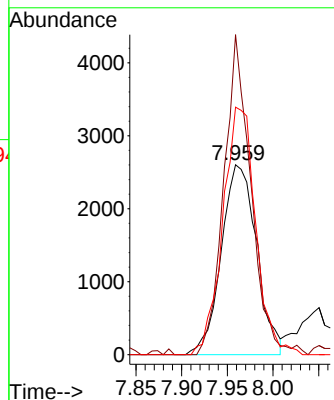
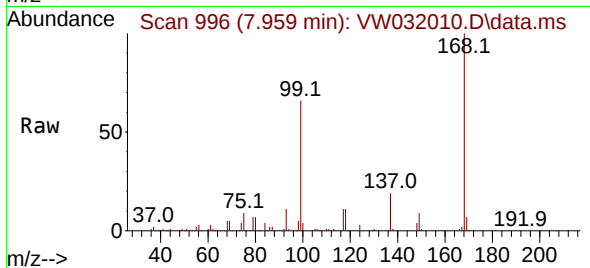




#31
Cyclohexane
Concen: 1.641 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

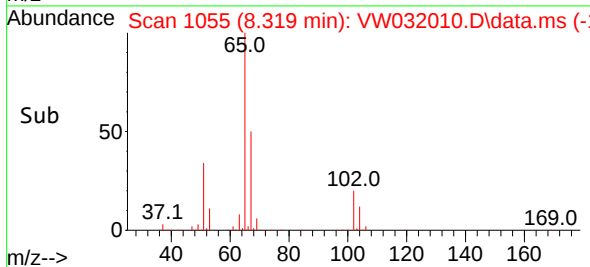
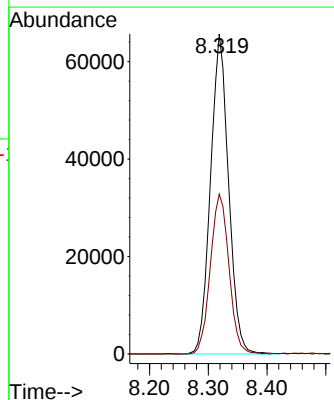
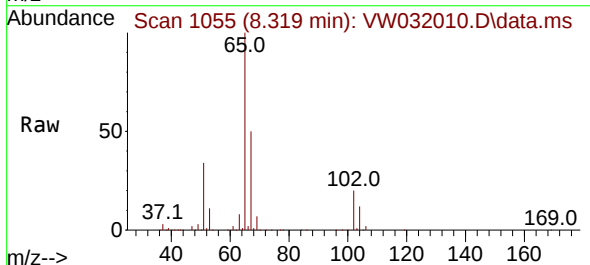
Instrument :
MSVOA_W
ClientSampleId :
TP-2 VOC

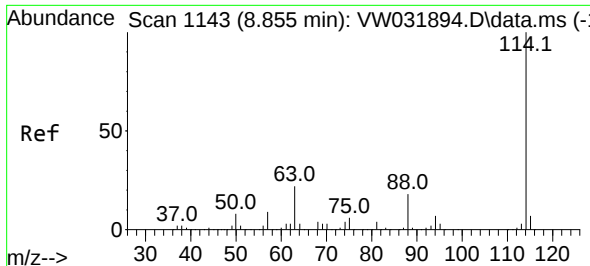
Tgt Ion: 56 Resp: 6997
Ion Ratio Lower Upper
56 100
69 168.4 26.7 40.1#
84 130.3 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 50.359 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

Tgt Ion: 65 Resp: 140033
Ion Ratio Lower Upper
65 100
67 51.4 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: VW032010.D

Acq: 05 Aug 2025 12:58

Instrument :

MSVOA_W

ClientSampleId :

TP-2 VOC

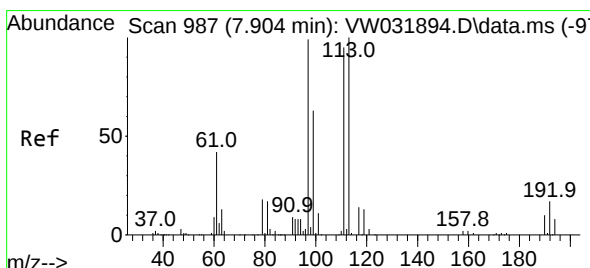
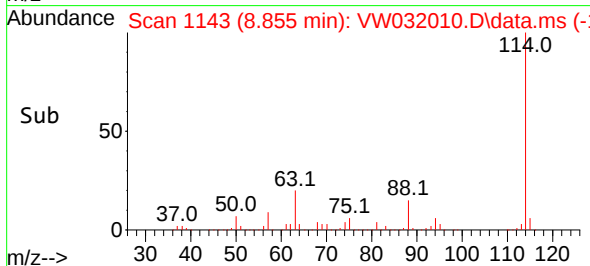
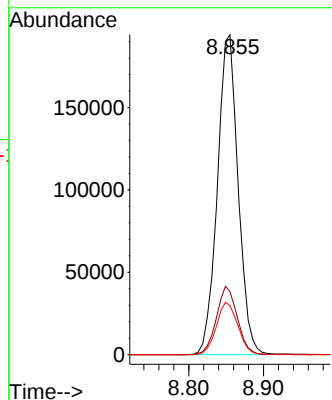
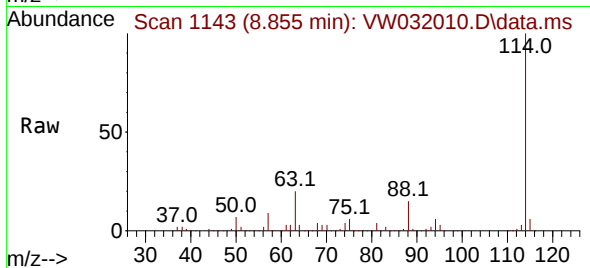
Tgt Ion:114 Resp: 376007

Ion Ratio Lower Upper

114 100

63 19.7 0.0 44.2

88 15.4 0.0 35.6



#35

Dibromofluoromethane

Concen: 47.741 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032010.D

Acq: 05 Aug 2025 12:58

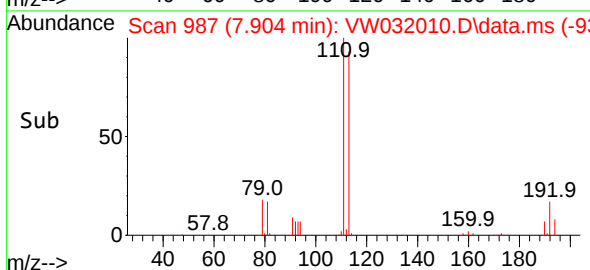
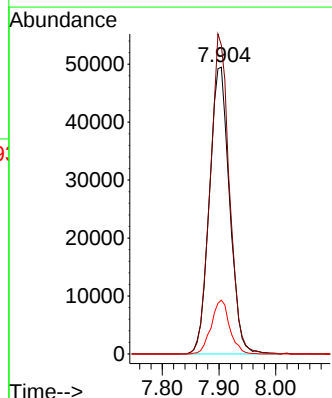
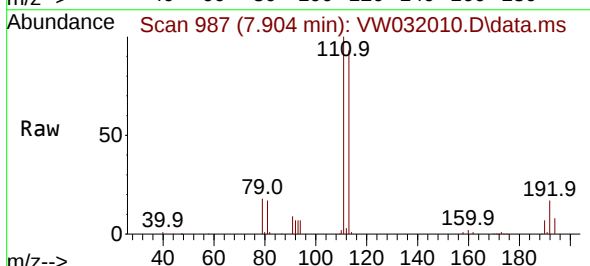
Tgt Ion:113 Resp: 121979

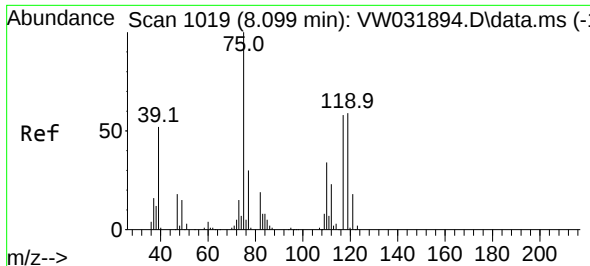
Ion Ratio Lower Upper

113 100

111 106.1 79.9 119.9

192 17.1 12.6 19.0

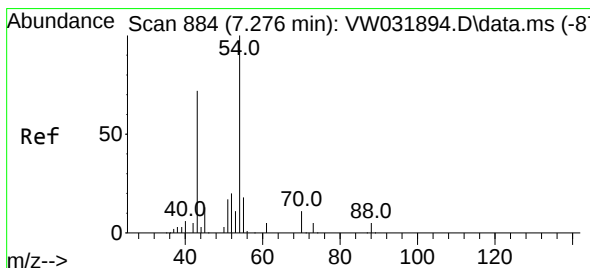
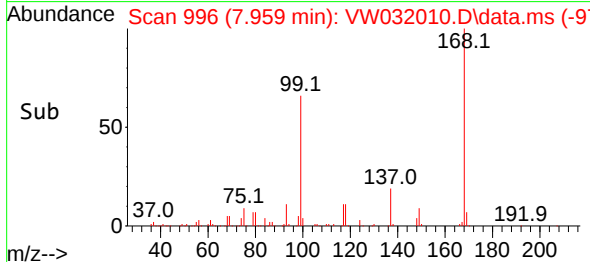
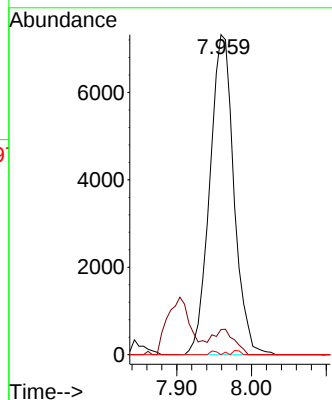
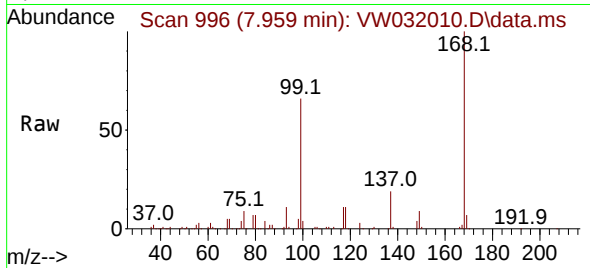




#36
1,1-Dichloropropene
Concen: 4.187 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

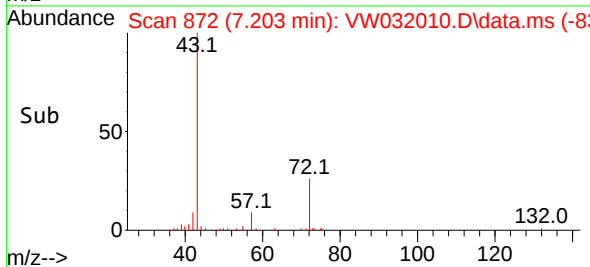
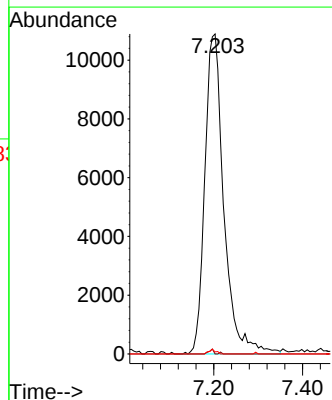
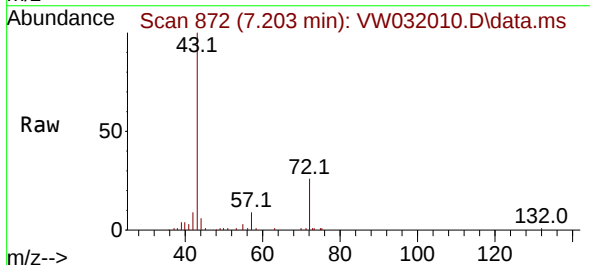
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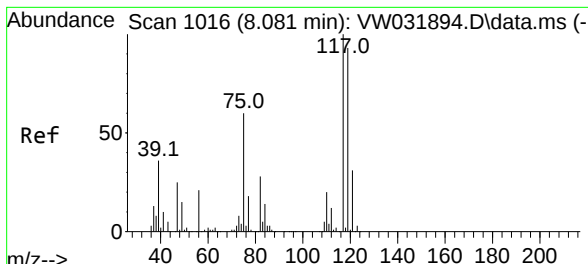
Tgt Ion: 75 Resp: 16430
Ion Ratio Lower Upper
75 100
110 6.9 17.0 50.9#
77 0.3 25.1 37.7#



#37
Ethyl Acetate
Concen: 14.495 ug/l
RT: 7.203 min Scan# 872
Delta R.T. -0.073 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

Tgt Ion: 43 Resp: 32446
Ion Ratio Lower Upper
43 100
61 0.4 10.6 15.8#
70 0.5 9.0 13.4#

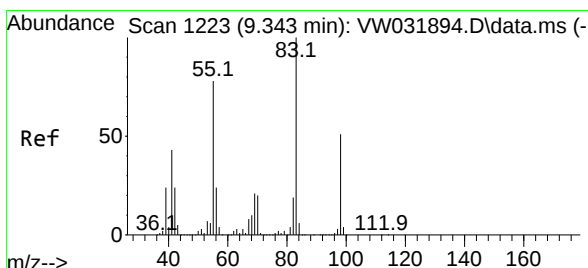
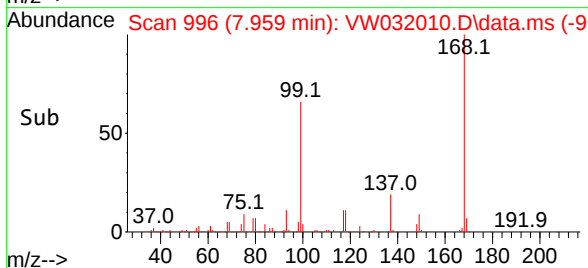
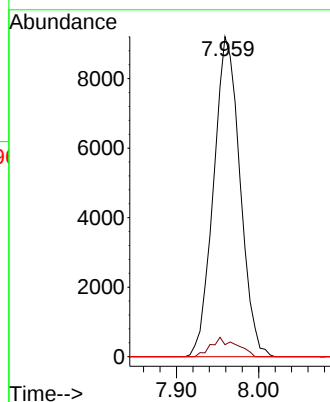
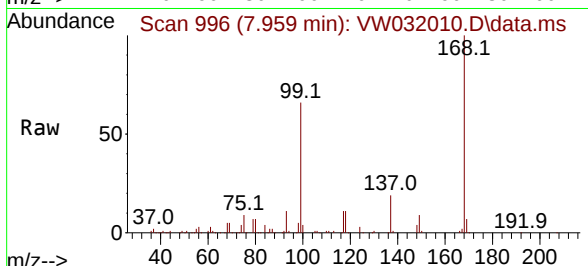




#38
Carbon Tetrachloride
Concen: 5.471 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

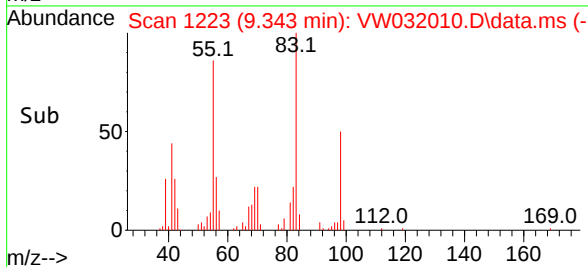
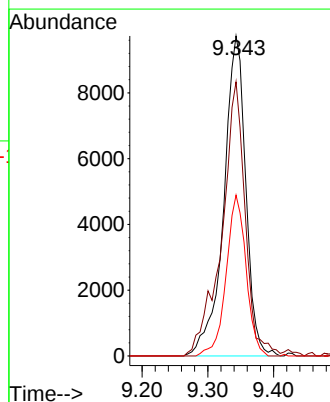
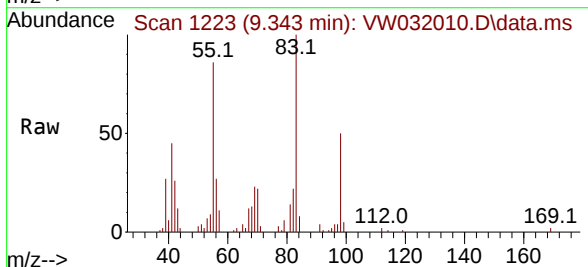
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TP-2 VOC

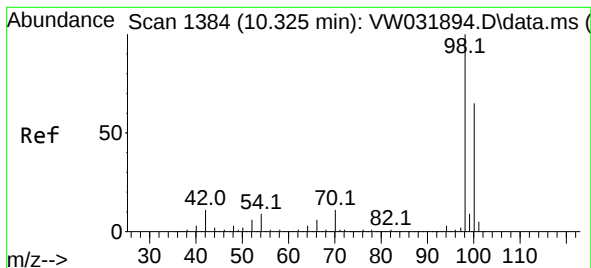
Tgt Ion: 117 Resp: 20603
Ion Ratio Lower Upper
117 100
119 3.8 74.3 111.5#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 4.602 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. -0.000 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

Tgt Ion: 83 Resp: 22725
Ion Ratio Lower Upper
83 100
55 85.7 62.5 93.7
98 50.2 40.6 61.0





#50

Toluene-d8

Concen: 48.339 ug/l

RT: 10.324 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032010.D

Acq: 05 Aug 2025 12:58

Instrument :

MSVOA_W

ClientSampleId :

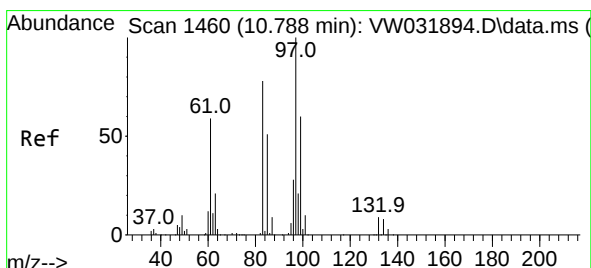
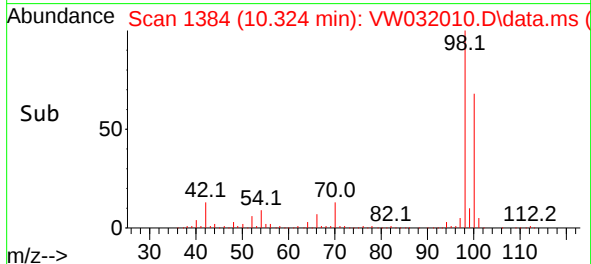
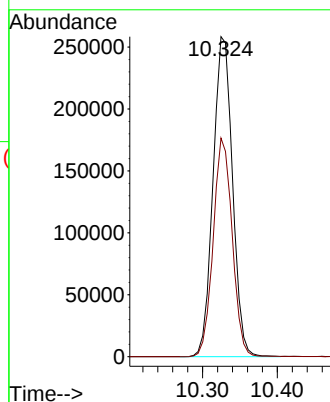
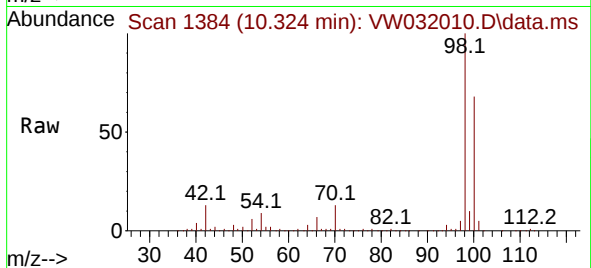
TP-2 VOC

Tgt Ion: 98 Resp: 467436

Ion Ratio Lower Upper

98 100

100 66.6 51.7 77.5



#55

1,1,2-Trichloroethane

Concen: 3.011 ug/l

RT: 10.763 min Scan# 1456

Delta R.T. -0.024 min

Lab File: VW032010.D

Acq: 05 Aug 2025 12:58

Tgt Ion: 97 Resp: 6935

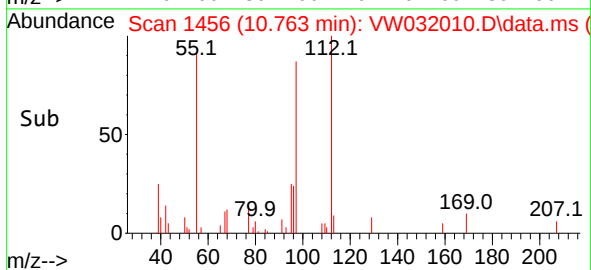
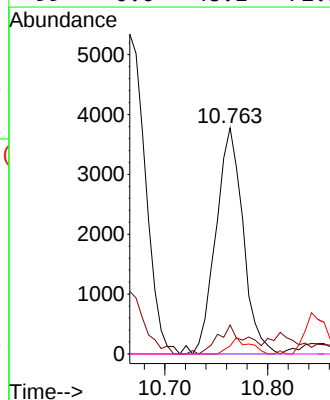
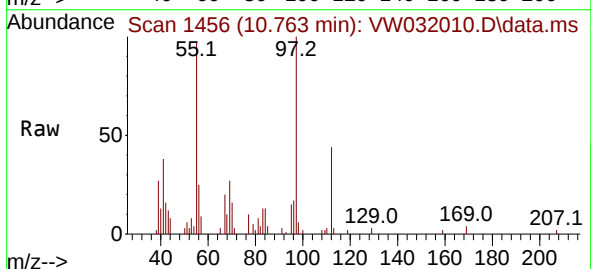
Ion Ratio Lower Upper

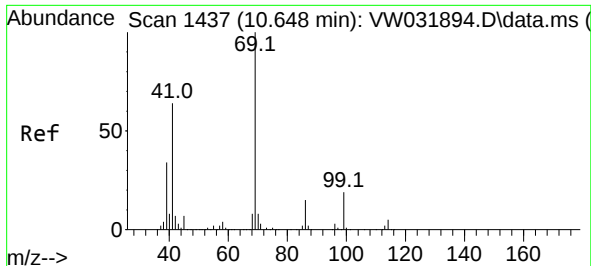
97 100

83 12.8 62.4 93.6#

85 3.5 41.0 61.6#

99 0.0 48.1 72.1#

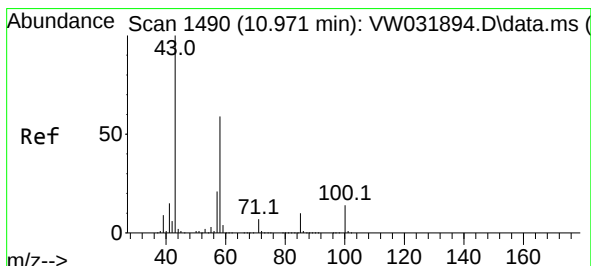
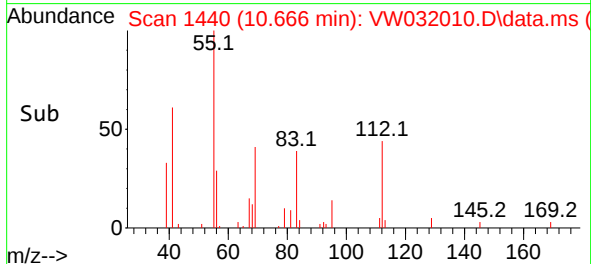
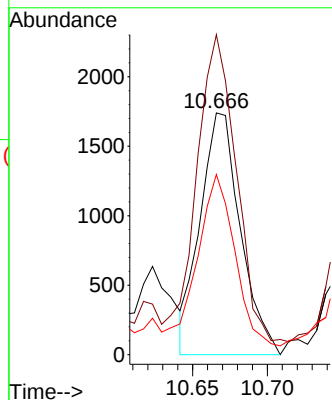
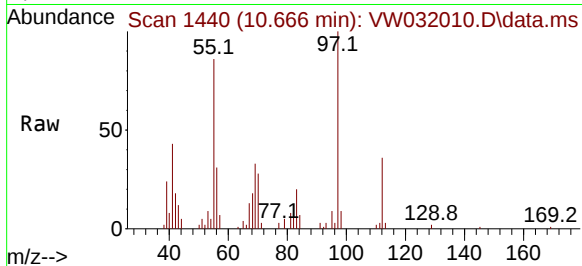




#56
Ethyl methacrylate
Concen: 1.002 ug/l
RT: 10.666 min Scan# 1437
Delta R.T. 0.018 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

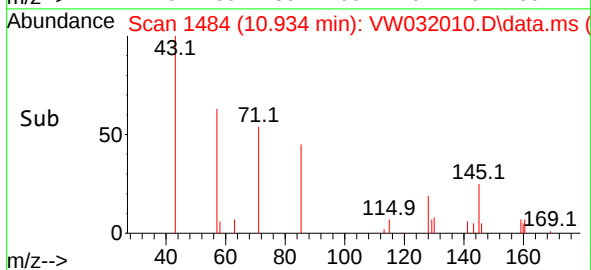
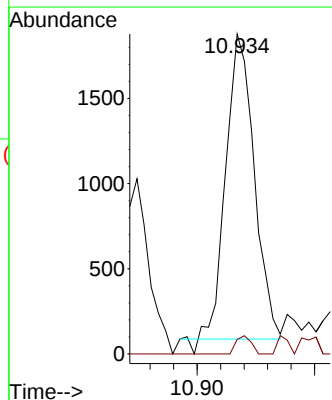
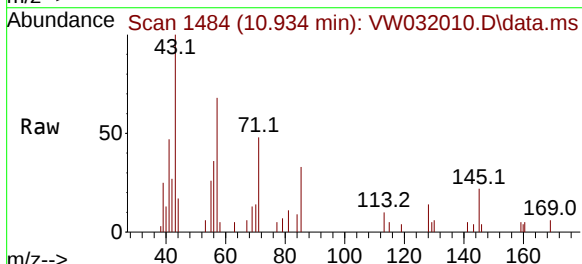
Instrument :
MSVOA_W
ClientSampleId :
TP-2 VOC

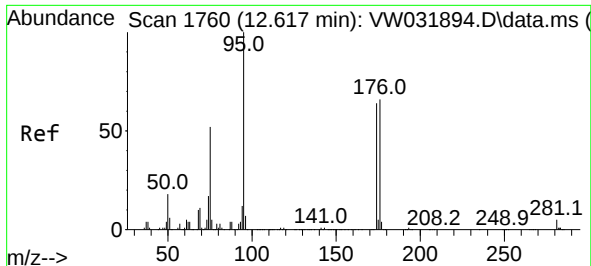
Tgt Ion: 69 Resp: 3259
Ion Ratio Lower Upper
69 100
41 124.1 52.0 78.0#
39 65.4 26.6 40.0#



#59
2-Hexanone
Concen: 1.940 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. -0.037 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

Tgt Ion: 43 Resp: 2990
Ion Ratio Lower Upper
43 100
58 3.2 28.5 85.6#

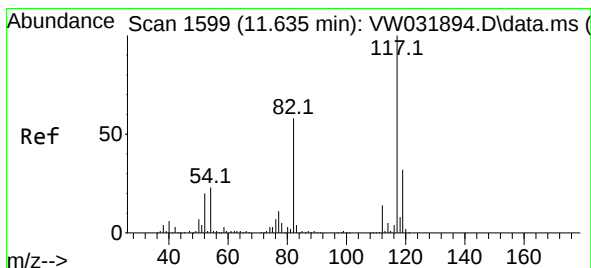
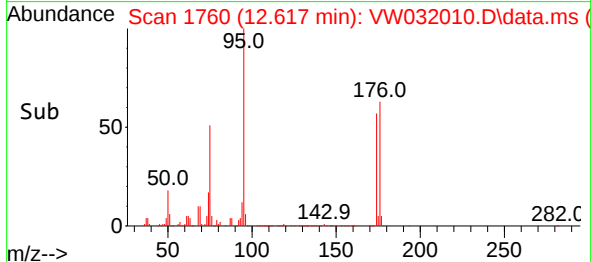
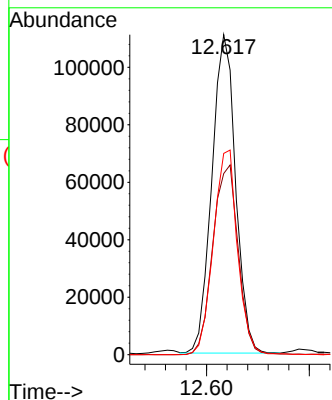
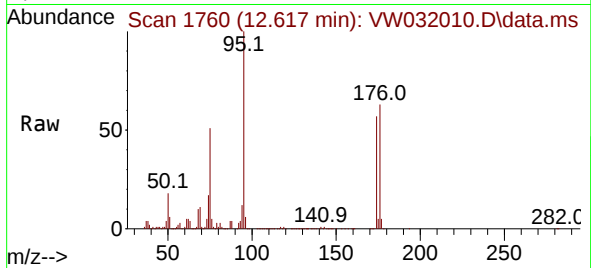




#62
4-Bromofluorobenzene
Concen: 47.797 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

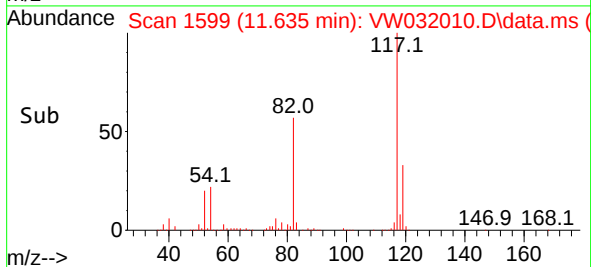
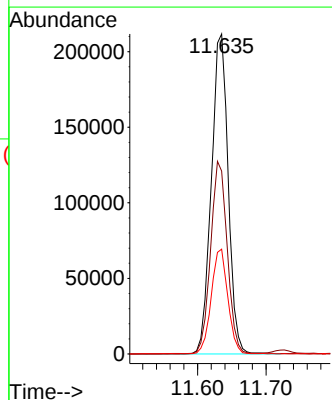
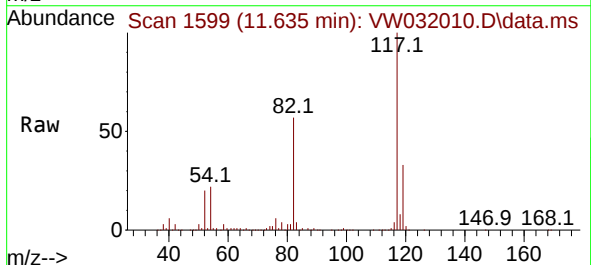
Instrument :
MSVOA_W
ClientSampleId :
TP-2 VOC

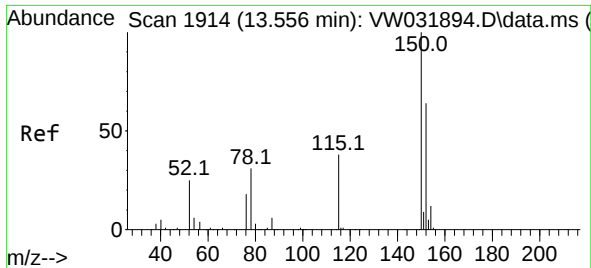
Tgt Ion: 95 Resp: 177474
Ion Ratio Lower Upper
95 100
174 64.2 0.0 129.8
176 65.5 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

Tgt Ion: 117 Resp: 361766
Ion Ratio Lower Upper
117 100
82 57.0 46.5 69.7
119 32.7 25.8 38.6

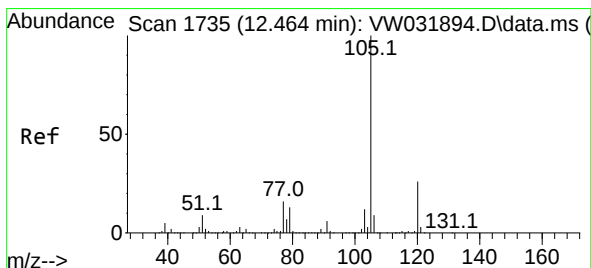
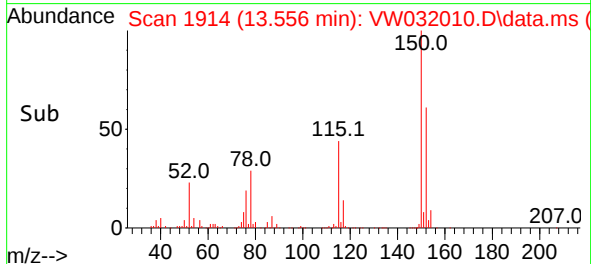
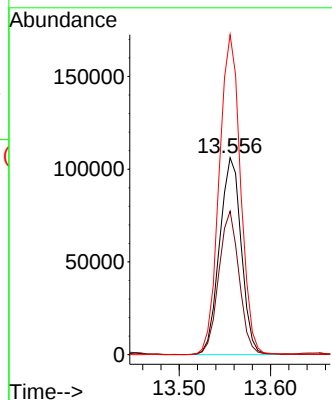
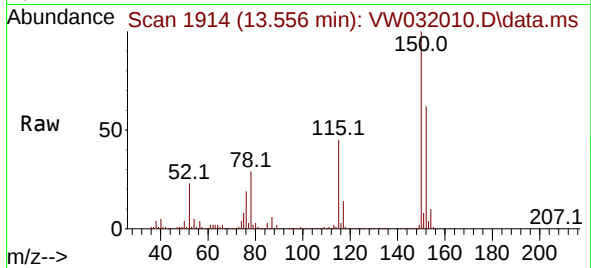




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

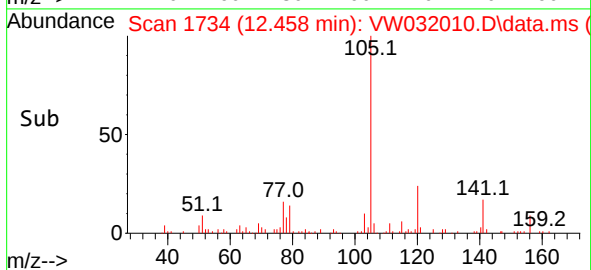
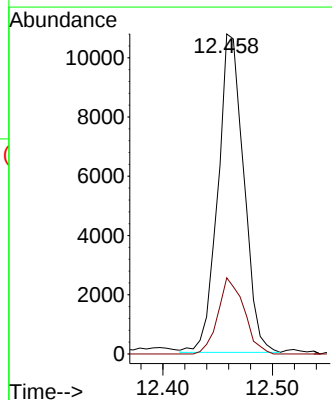
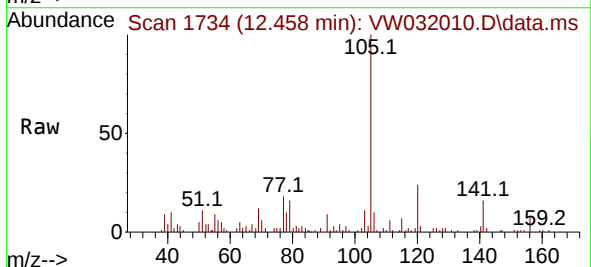
Instrument :
MSVOA_W
ClientSampleId :
TP-2 VOC

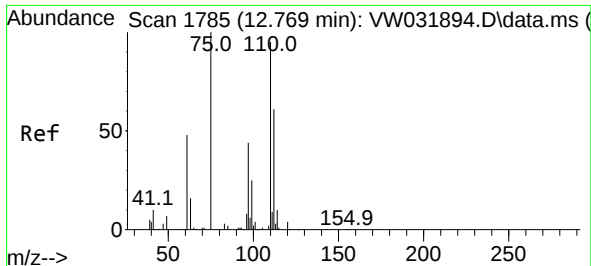
Tgt Ion:152 Resp: 174973
Ion Ratio Lower Upper
152 100
115 68.5 33.4 100.1
150 160.3 0.0 352.2



#73
Isopropylbenzene
Concen: 1.161 ug/l
RT: 12.458 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

Tgt Ion:105 Resp: 17633
Ion Ratio Lower Upper
105 100
120 24.1 12.6 37.8

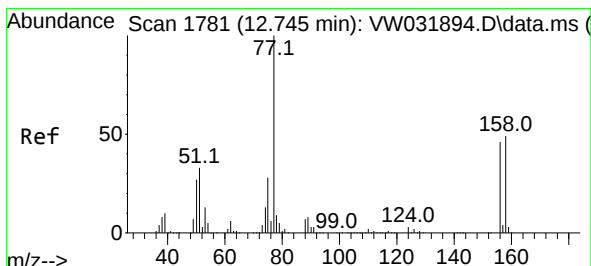
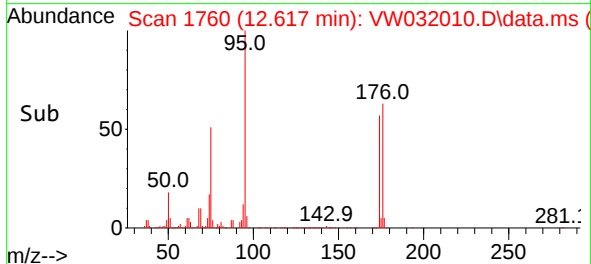
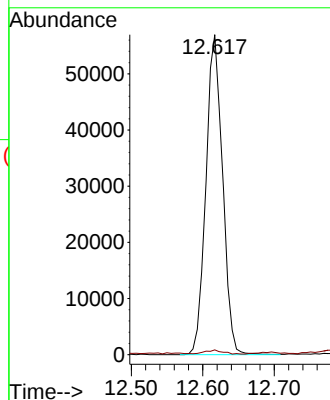
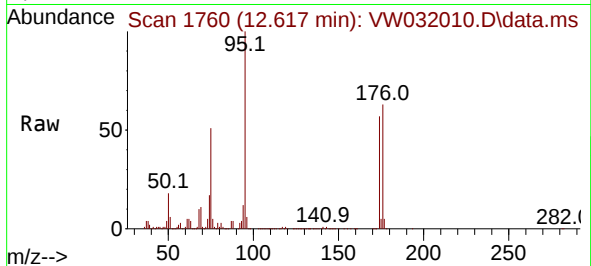




#76
1,2,3-Trichloropropane
Concen: 38.181 ug/l
RT: 12.617 min Scan# 1795
Delta R.T. -0.153 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

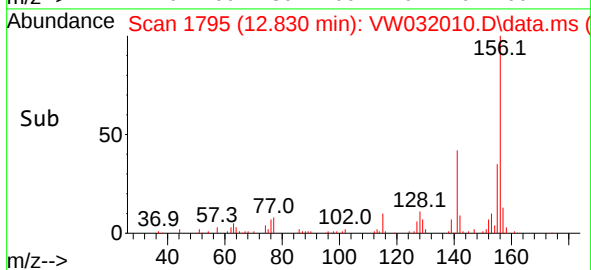
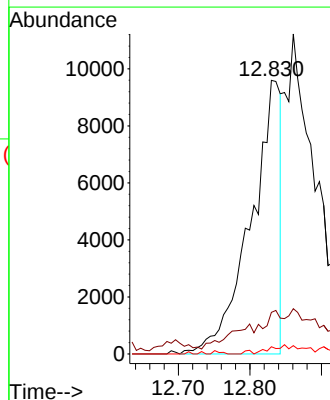
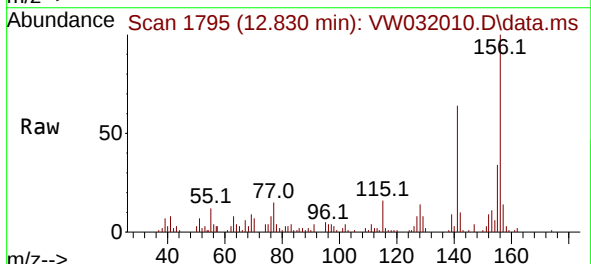
Instrument :
MSVOA_W
ClientSampleId :
TP-2 VOC

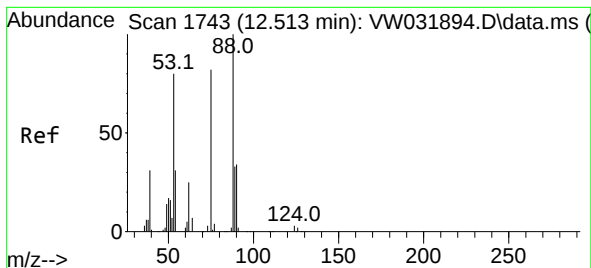
Tgt Ion: 75 Resp: 92236
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#77
Bromobenzene
Concen: 8.506 ug/l
RT: 12.830 min Scan# 1795
Delta R.T. 0.085 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

Tgt Ion: 156 Resp: 27940
Ion Ratio Lower Upper
156 100
77 5.6 115.3 345.8#
158 0.0 50.1 150.3#

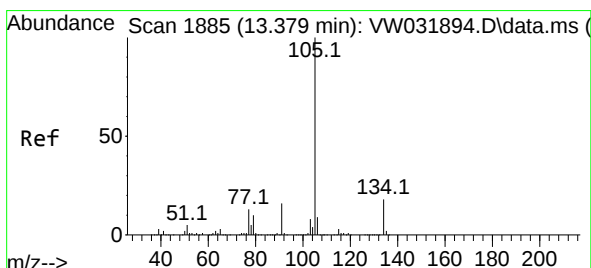
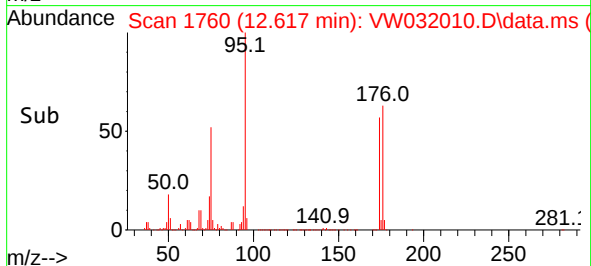
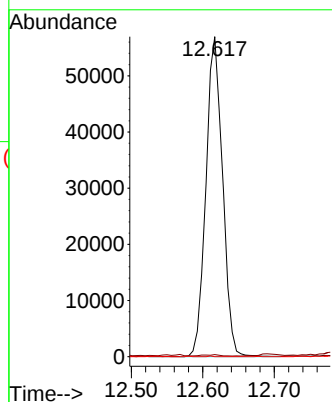
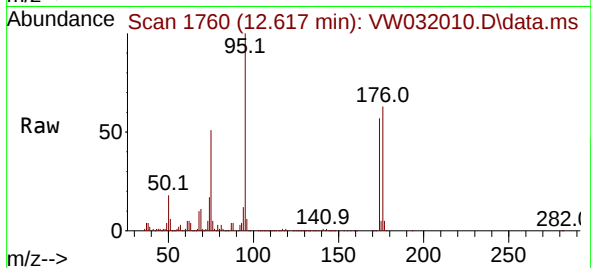




#81
trans-1,4-Dichloro-2-butene
Concen: 88.149 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

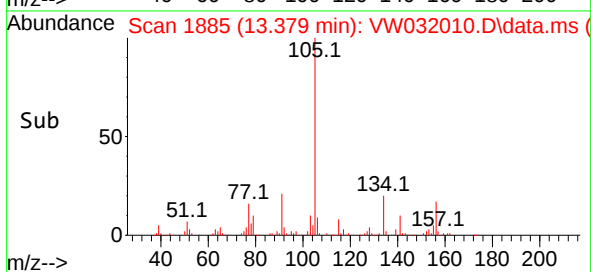
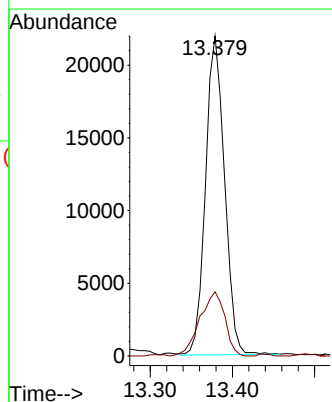
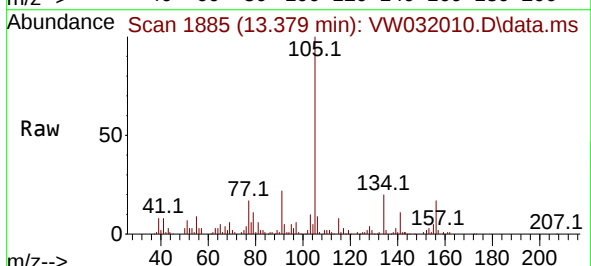
Instrument :
MSVOA_W
ClientSampleId :
TP-2 VOC

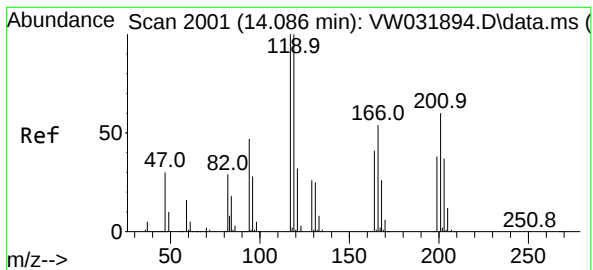
Tgt Ion: 75 Resp: 92236
Ion Ratio Lower Upper
75 100
53 0.4 83.7 125.5#
89 0.1 39.0 58.6#



#85
sec-Butylbenzene
Concen: 2.160 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032010.D
Acq: 05 Aug 2025 12:58

Tgt Ion: 105 Resp: 35183
Ion Ratio Lower Upper
105 100
134 26.4 9.2 27.6





#90
 Hexachloroethane
 Concen: 5.907 ug/l
 RT: 14.159 min Scan# 20
 Delta R.T. 0.073 min
 Lab File: VW032010.D
 Acq: 05 Aug 2025 12:58

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2 VOC

Tgt Ion:117 Resp: 13751
 Ion Ratio Lower Upper
 117 100
 201 0.0 28.4 85.2#

