

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032018.D
 Acq On : 05 Aug 2025 17:09
 Operator : SY/MD
 Sample : Q2780-03
 Misc : 4.84g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3-VOC

Quant Time: Aug 06 03:57:06 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)

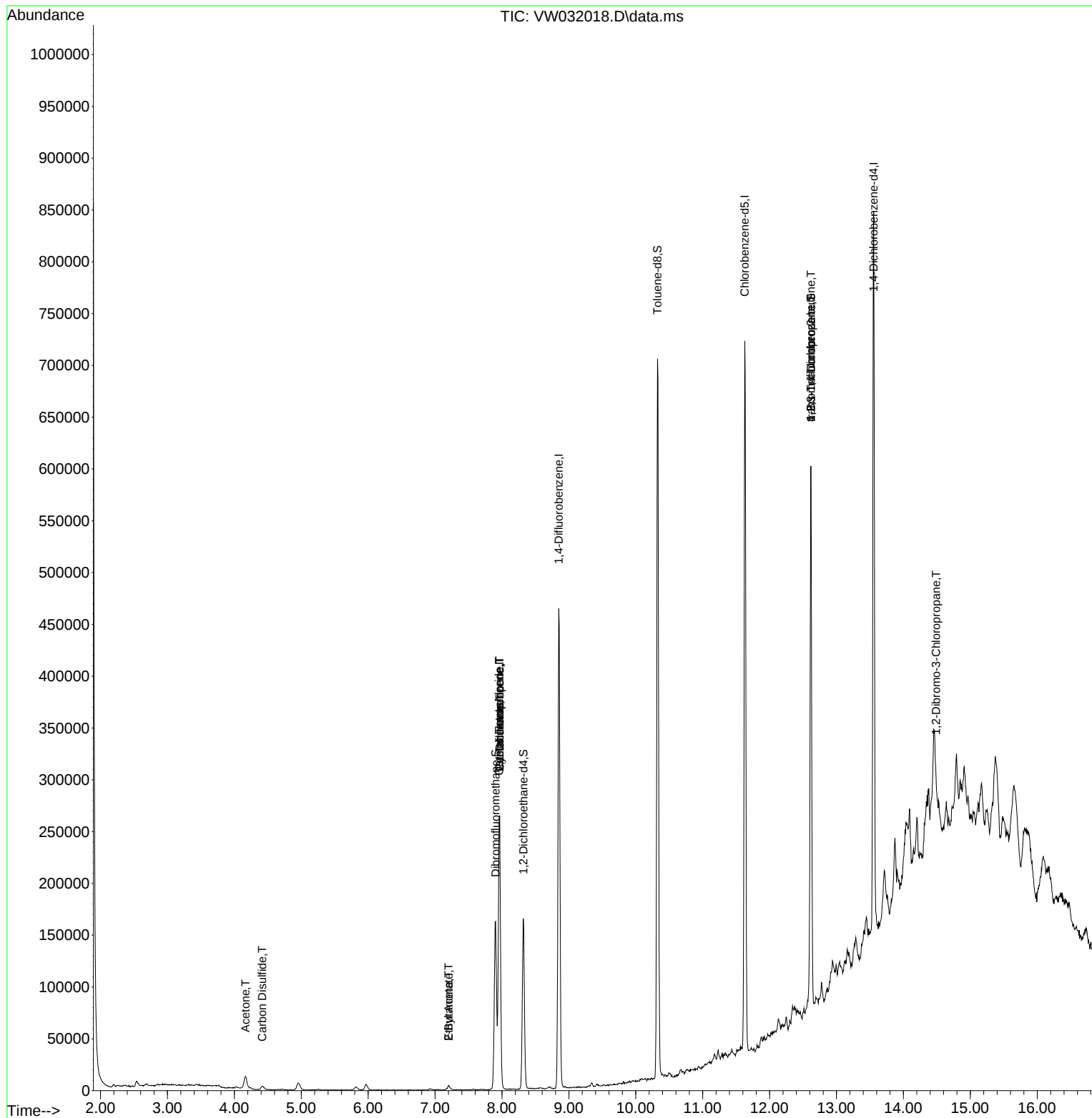
Internal Standards						
1) Pentafluorobenzene	7.965	168	179993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	397846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	384127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	134319	49.331	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	98.660%
35) Dibromofluoromethane	7.904	113	119601	44.241	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	88.480%
50) Toluene-d8	10.325	98	477454	46.665	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.320%
62) 4-Bromofluorobenzene	12.617	95	187303	47.675	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.360%
Target Compounds						
13) Acrolein	3.942	56	405	Below Cal	Qvalue	92
16) Acetone	4.167	43	22235	34.413	ug/l	97
17) Carbon Disulfide	4.417	76	7571	1.216	ug/l	96
20) Methylene Chloride	4.954	84	5863	Below Cal	#	83
25) 2-Butanone	7.203	43	7051	7.976	ug/l	96
31) Cyclohexane	7.965	56	4744	1.136	ug/l	# 1
36) 1,1-Dichloropropene	7.965	75	17377	4.186	ug/l	# 50
37) Ethyl Acetate	7.203	43	7051	2.977	ug/l	# 69
38) Carbon Tetrachloride	7.959	117	21345	5.357	ug/l	# 18
76) 1,2,3-Trichloropropane	12.617	75	95183	38.459	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.617	75	95183	88.792	ug/l	# 8
92) 1,2-Dibromo-3-Chloropr...	14.488	75	1188	1.992	ug/l	# 36

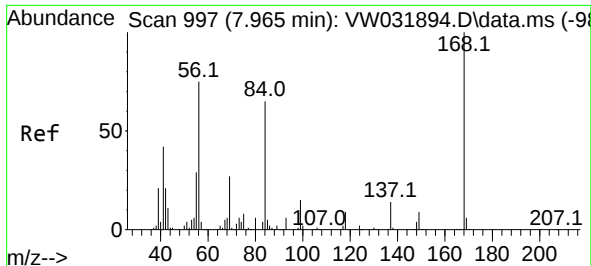
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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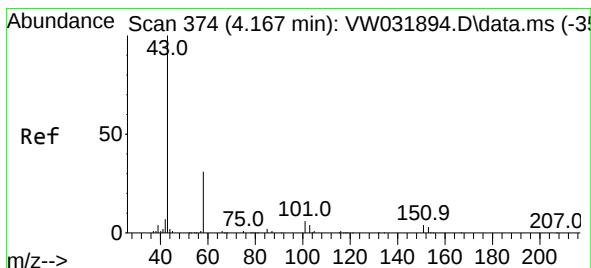
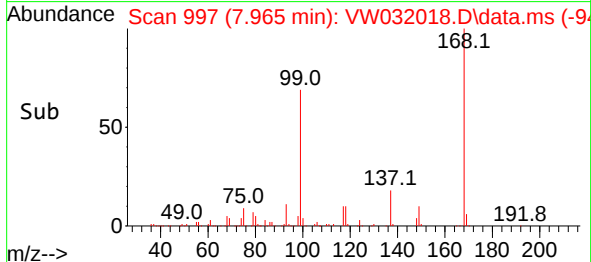
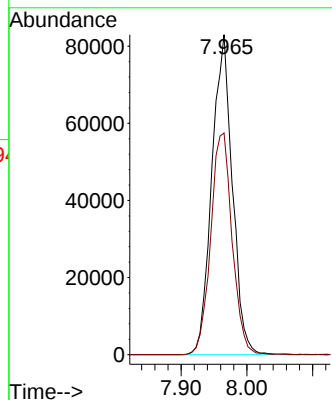
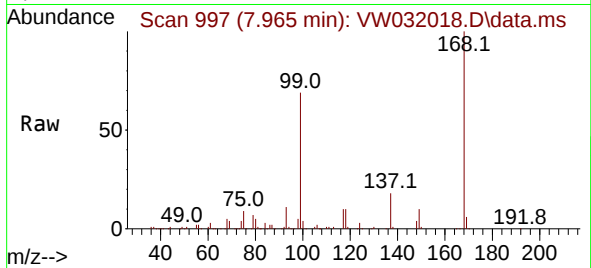




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032018.D
Acq: 05 Aug 2025 17:09

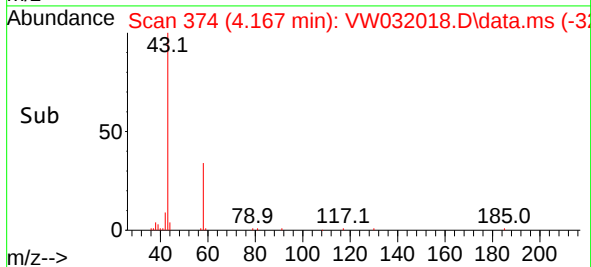
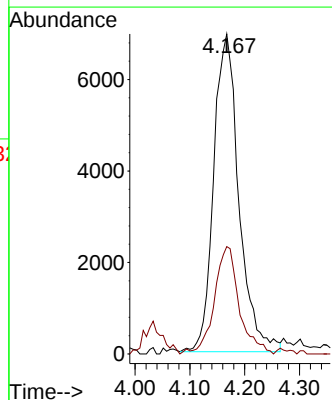
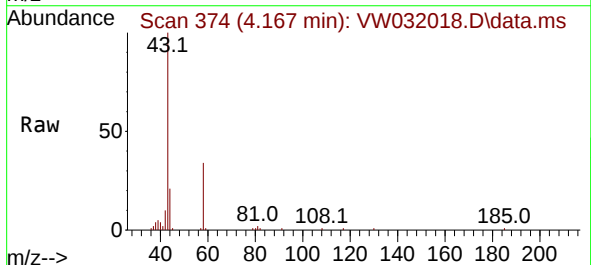
Instrument :
MSVOA_W
ClientSampleId :
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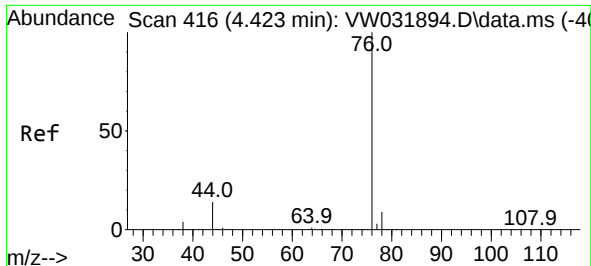
Tgt Ion:168 Resp: 179993
Ion Ratio Lower Upper
168 100
99 69.3 48.2 72.2



#16
Acetone
Concen: 34.413 ug/l
RT: 4.167 min Scan# 374
Delta R.T. -0.000 min
Lab File: VW032018.D
Acq: 05 Aug 2025 17:09

Tgt Ion: 43 Resp: 22235
Ion Ratio Lower Upper
43 100
58 33.8 25.5 38.3

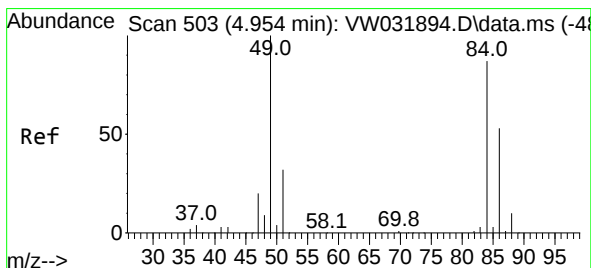
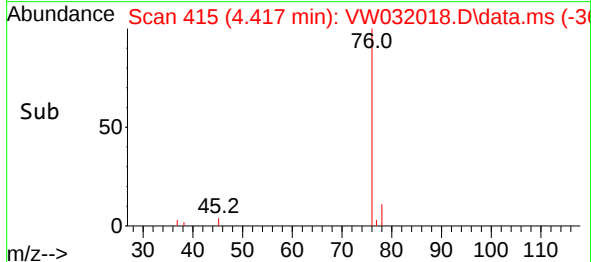
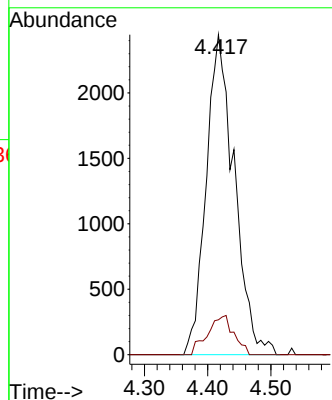
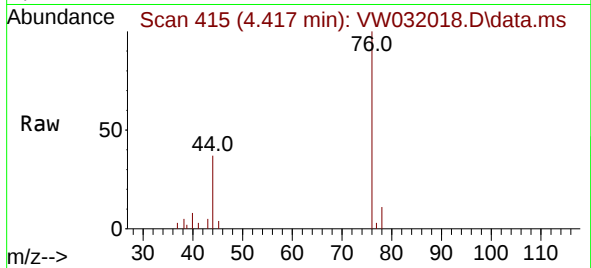




#17
Carbon Disulfide
Concen: 1.216 ug/l
RT: 4.417 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW032018.D
Acq: 05 Aug 2025 17:09

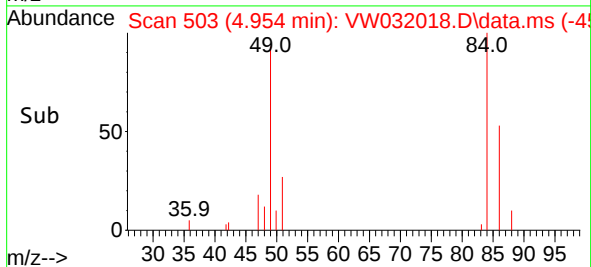
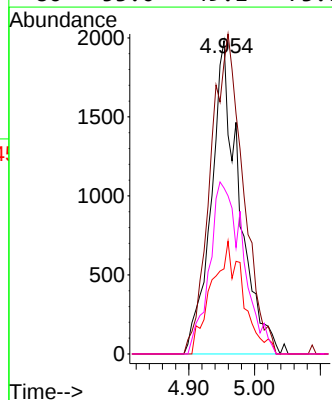
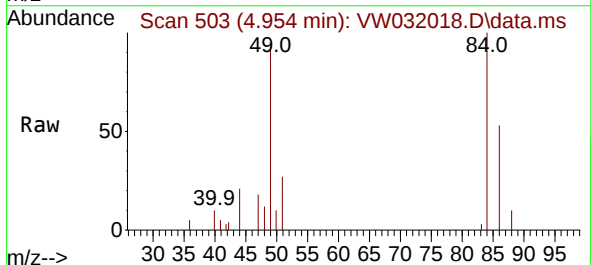
Instrument :
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ClientSampleId :
TP-3-VOC

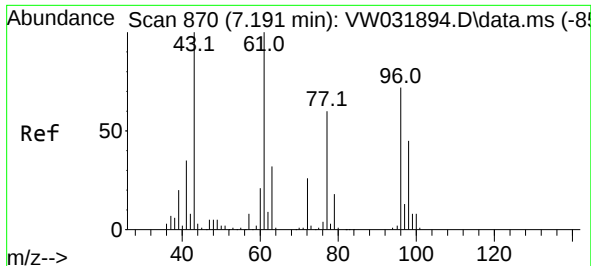
Tgt Ion: 76 Resp: 7571
Ion Ratio Lower Upper
76 100
78 10.9 7.5 11.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032018.D
Acq: 05 Aug 2025 17:09

Tgt Ion: 84 Resp: 5863
Ion Ratio Lower Upper
84 100
49 93.2 91.9 137.9
51 27.2 29.0 43.6#
86 53.0 49.1 73.7

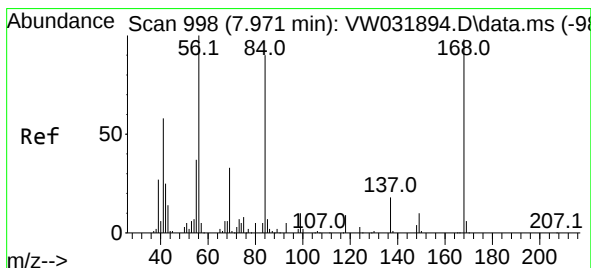
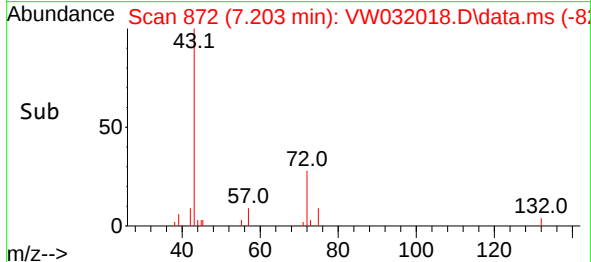
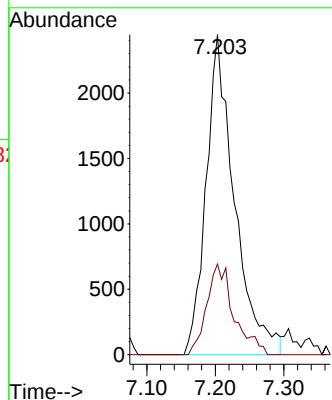
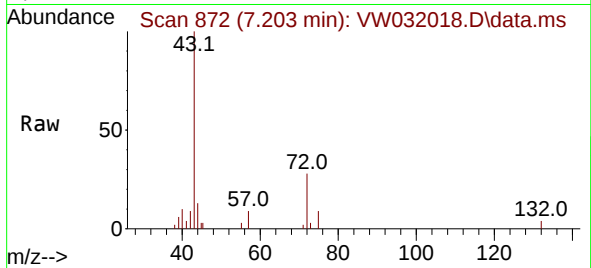




#25
2-Butanone
Concen: 7.976 ug/l
RT: 7.203 min Scan# 81
Delta R.T. 0.012 min
Lab File: VW032018.D
Acq: 05 Aug 2025 17:09

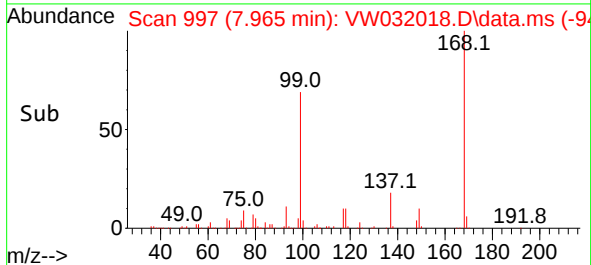
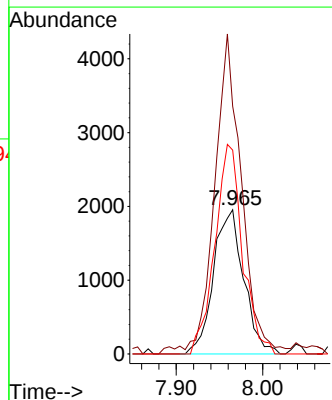
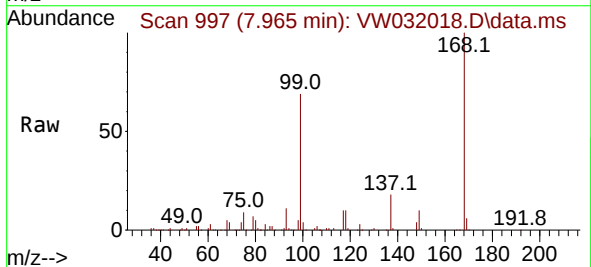
Instrument :
MSVOA_W
ClientSampleId :
TP-3-VOC

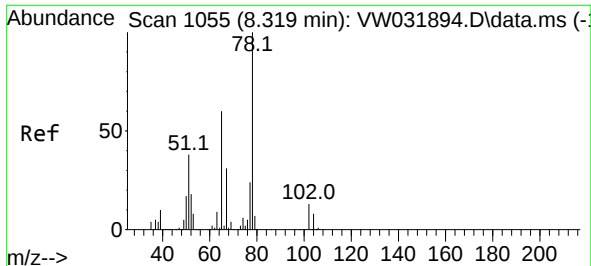
Tgt Ion: 43 Resp: 7051
Ion Ratio Lower Upper
43 100
72 28.3 20.8 31.2



#31
Cyclohexane
Concen: 1.136 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032018.D
Acq: 05 Aug 2025 17:09

Tgt Ion: 56 Resp: 4744
Ion Ratio Lower Upper
56 100
69 166.8 26.7 40.1#
84 141.3 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 49.331 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032018.D

Acq: 05 Aug 2025 17:09

Instrument :

MSVOA_W

ClientSampleId :

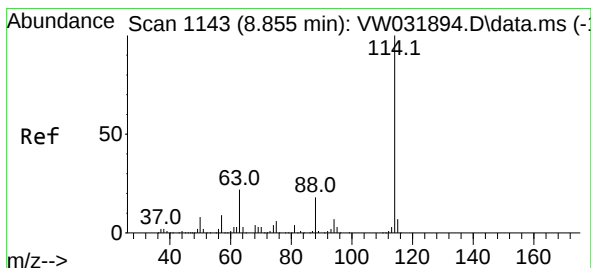
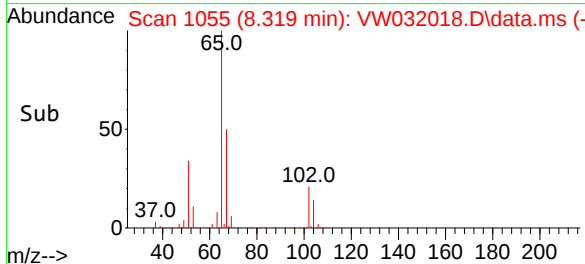
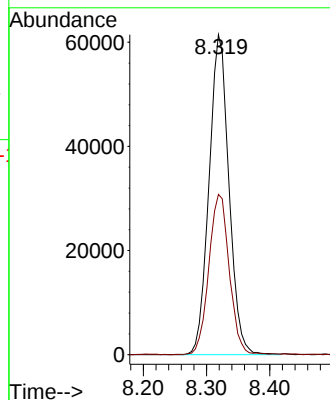
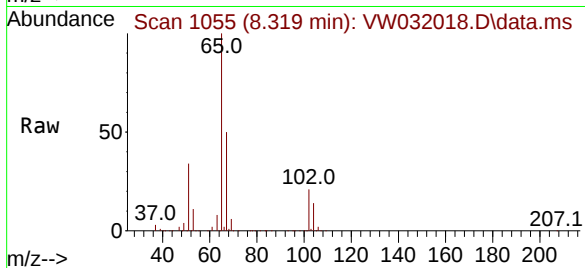
TP-3-VOC

Tgt Ion: 65 Resp: 134319

Ion Ratio Lower Upper

65 100

67 51.5 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: VW032018.D

Acq: 05 Aug 2025 17:09

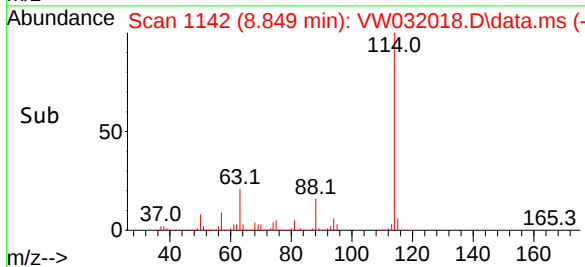
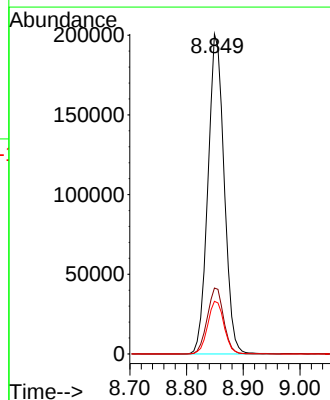
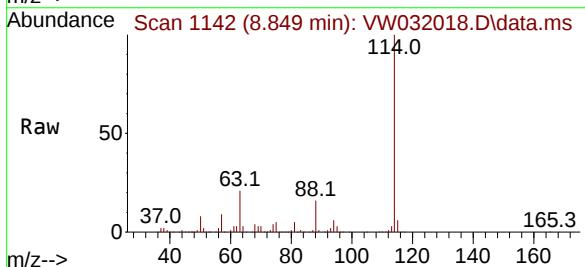
Tgt Ion: 114 Resp: 397846

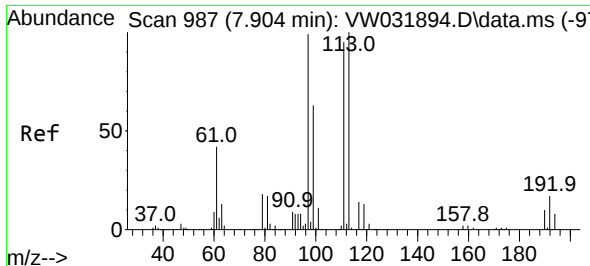
Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.2

88 16.4 0.0 35.6

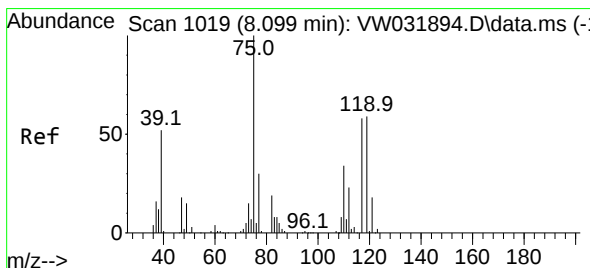
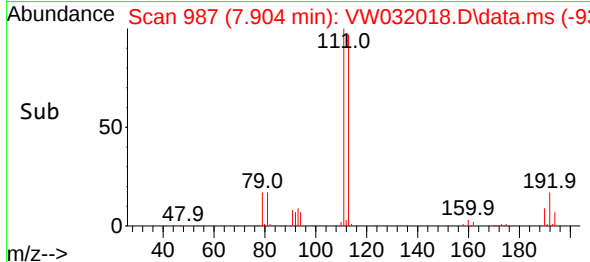
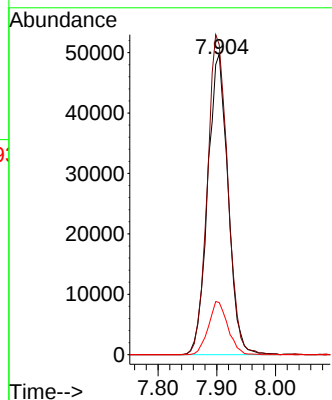
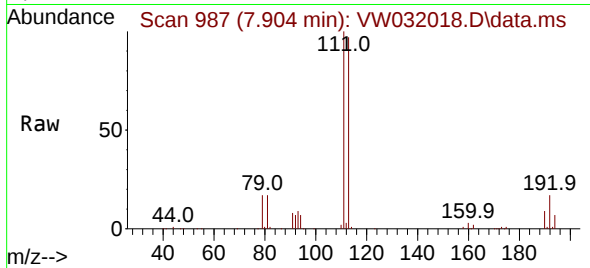




#35
 Dibromofluoromethane
 Concen: 44.241 ug/l
 RT: 7.904 min Scan# 997
 Delta R.T. -0.000 min
 Lab File: VW032018.D
 Acq: 05 Aug 2025 17:09

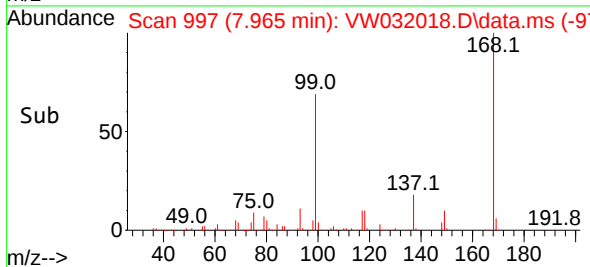
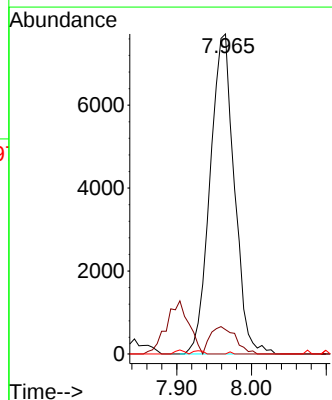
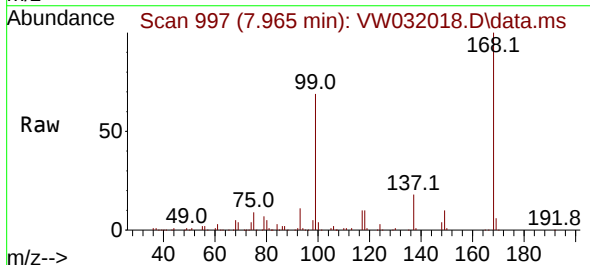
Instrument :
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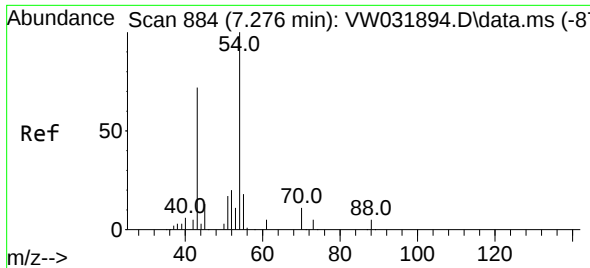
Tgt Ion:113 Resp: 119601
 Ion Ratio Lower Upper
 113 100
 111 106.2 79.9 119.9
 192 16.9 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 4.186 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032018.D
 Acq: 05 Aug 2025 17:09

Tgt Ion: 75 Resp: 17377
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.0 50.9#
 77 0.1 25.1 37.7#

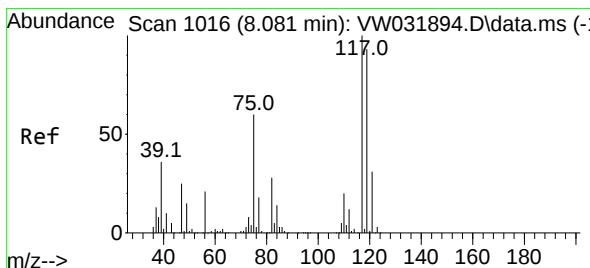
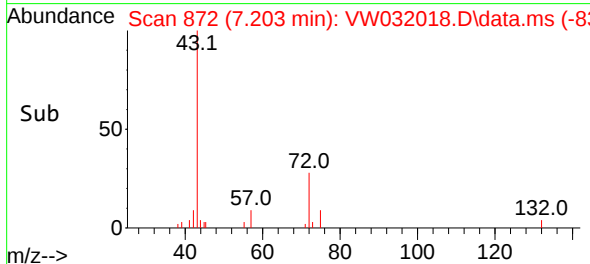
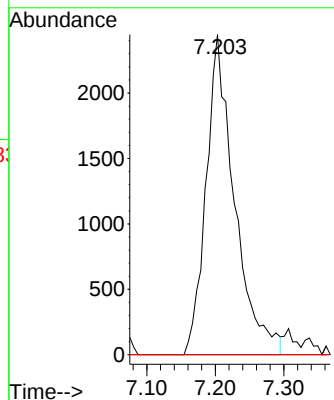
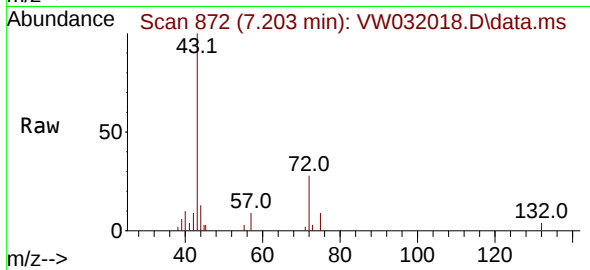




#37
Ethyl Acetate
Concen: 2.977 ug/l
RT: 7.203 min Scan# 81
Delta R.T. -0.073 min
Lab File: VW032018.D
Acq: 05 Aug 2025 17:09

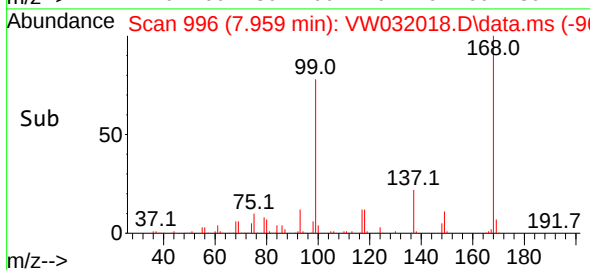
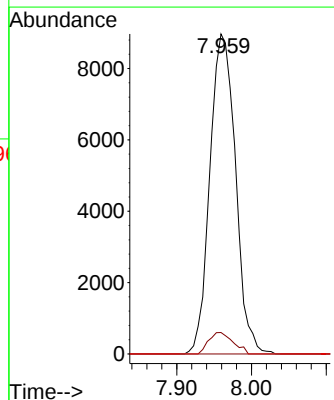
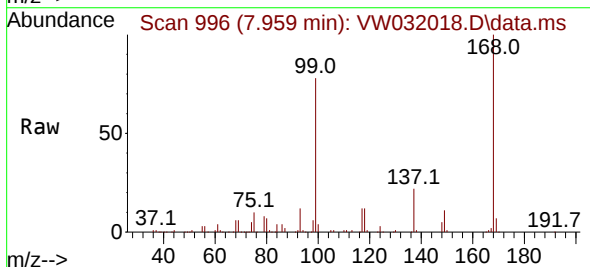
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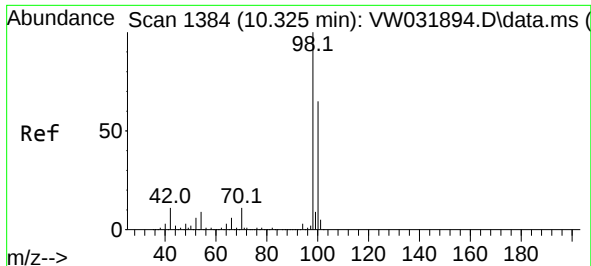
Tgt Ion: 43 Resp: 7051
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 9.0 13.4#



#38
Carbon Tetrachloride
Concen: 5.357 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032018.D
Acq: 05 Aug 2025 17:09

Tgt Ion: 117 Resp: 21345
Ion Ratio Lower Upper
117 100
119 6.7 74.3 111.5#
121 0.0 24.6 37.0#

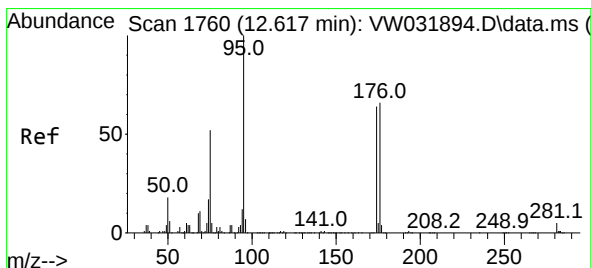
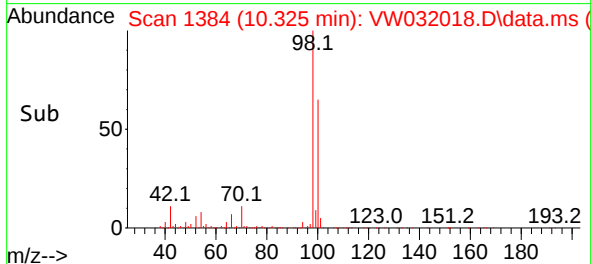
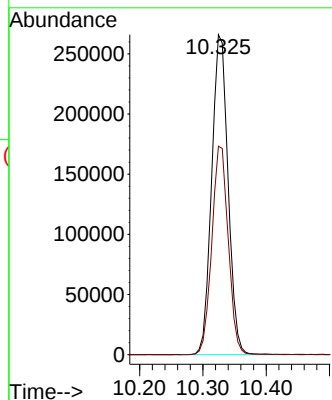
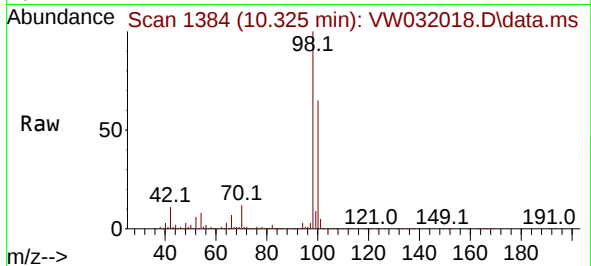




#50
Toluene-d8
Concen: 46.665 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032018.D
Acq: 05 Aug 2025 17:09

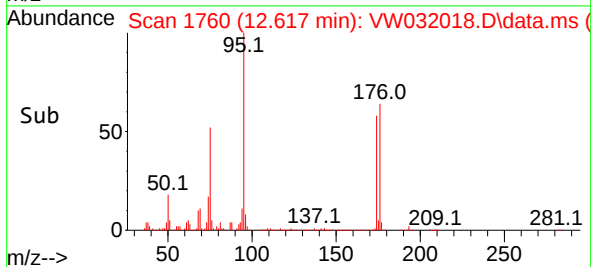
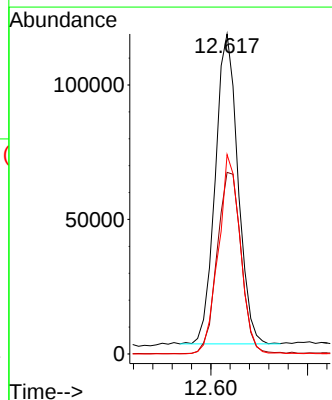
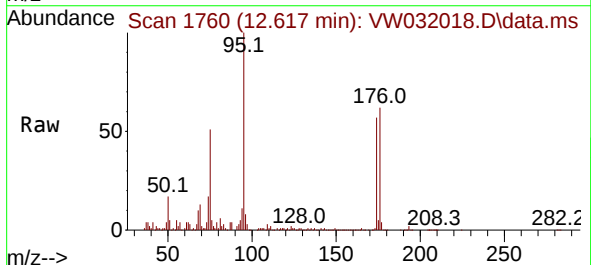
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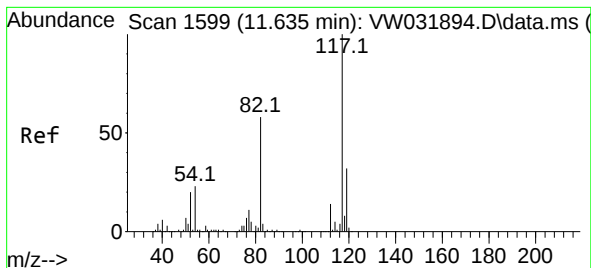
Tgt Ion: 98 Resp: 477454
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.675 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032018.D
Acq: 05 Aug 2025 17:09

Tgt Ion: 95 Resp: 187303
Ion Ratio Lower Upper
95 100
174 61.8 0.0 129.8
176 62.2 0.0 130.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032018.D

Acq: 05 Aug 2025 17:09

Instrument :

MSVOA_W

ClientSampleId :

TP-3-VOC

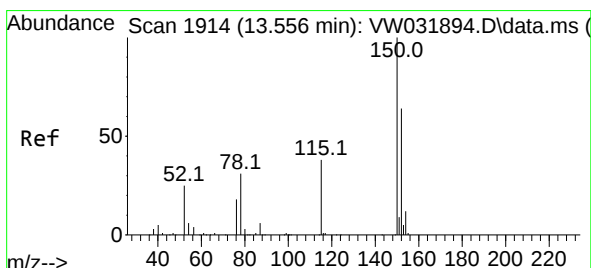
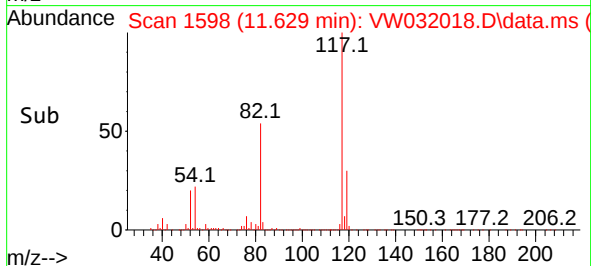
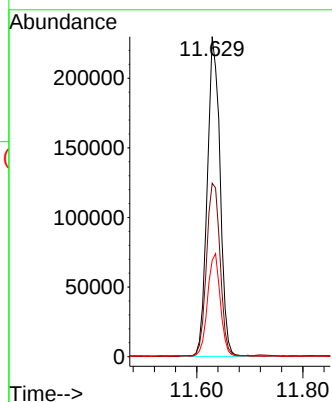
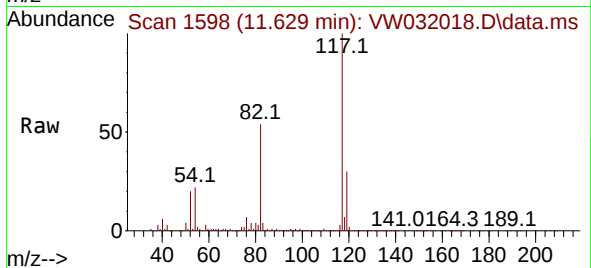
Tgt Ion:117 Resp: 384127

Ion Ratio Lower Upper

117 100

82 54.0 46.5 69.7

119 30.1 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: VW032018.D

Acq: 05 Aug 2025 17:09

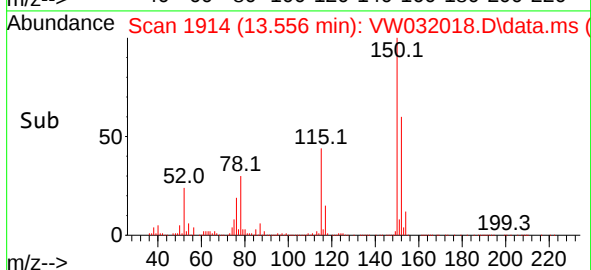
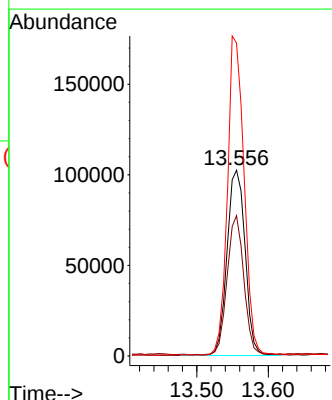
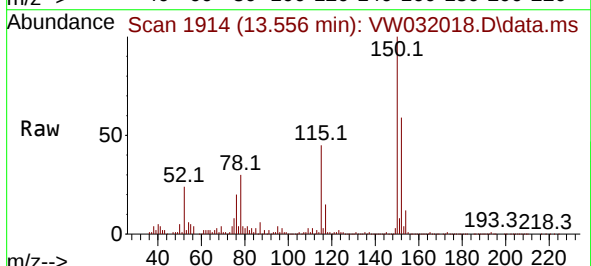
Tgt Ion:152 Resp: 179256

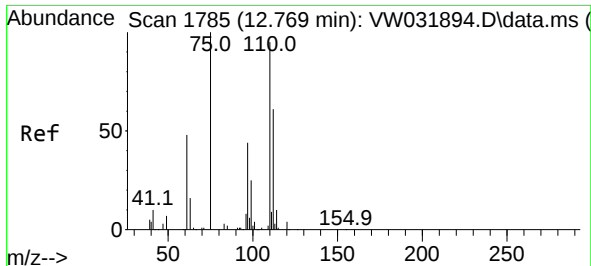
Ion Ratio Lower Upper

152 100

115 69.7 33.4 100.1

150 158.4 0.0 352.2

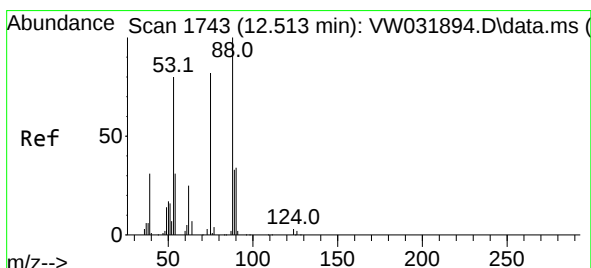
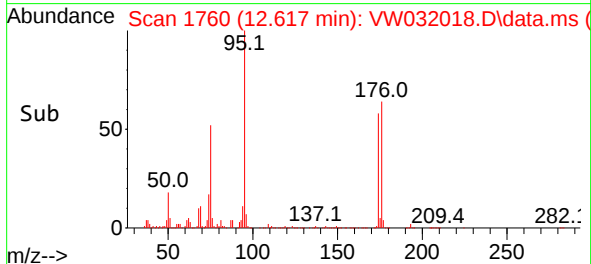
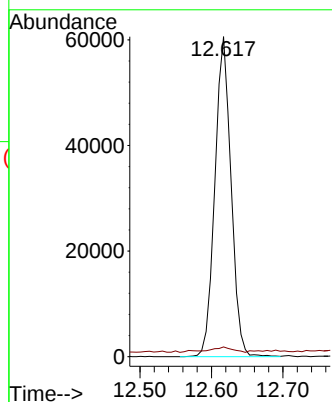
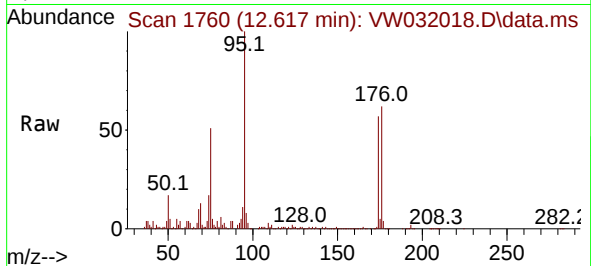




#76
1,2,3-Trichloropropane
Concen: 38.459 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW032018.D
Acq: 05 Aug 2025 17:09

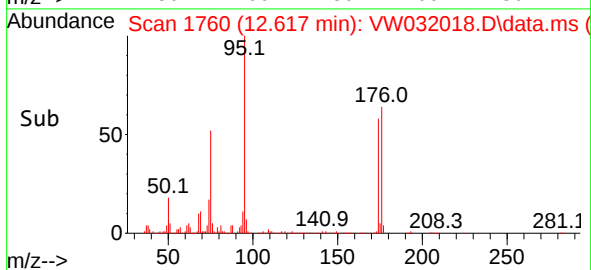
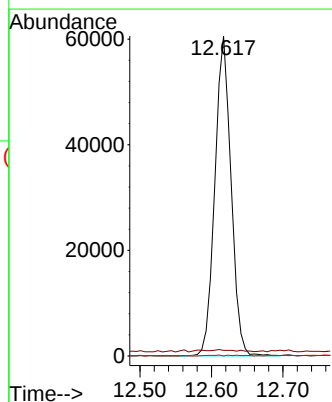
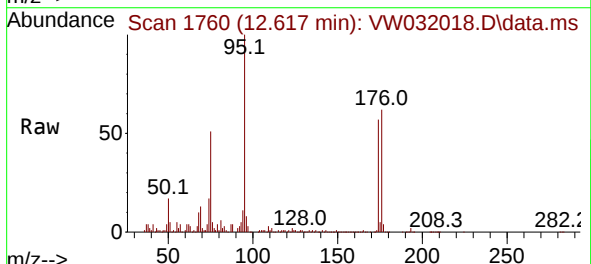
Instrument :
MSVOA_W
ClientSampleId :
TP-3-VOC

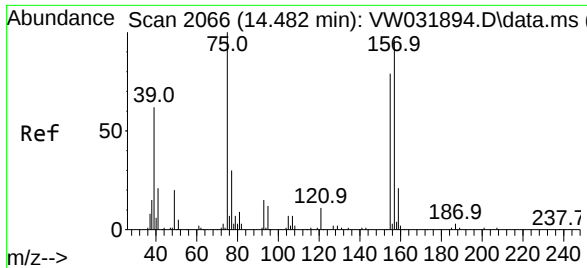
Tgt Ion: 75 Resp: 95183
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.792 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032018.D
Acq: 05 Aug 2025 17:09

Tgt Ion: 75 Resp: 95183
Ion Ratio Lower Upper
75 100
53 0.4 83.7 125.5#
89 0.3 39.0 58.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.992 ug/l
 RT: 14.488 min Scan# 2067
 Delta R.T. 0.006 min
 Lab File: VW032018.D
 Acq: 05 Aug 2025 17:09

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3-VOC

Tgt Ion: 75 Resp: 1188
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.9 107.7#
 157 141.0 47.4 142.2

