

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032009.D
 Acq On : 05 Aug 2025 12:35
 Operator : SY/MD
 Sample : Q2757-02
 Misc : 5.20g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC

Quant Time: Aug 06 03:53:53 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	142857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	290928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	269684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	133389	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	102206	47.294	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	94.580%
35) Dibromofluoromethane	7.898	113	93035	47.061	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.120%
50) Toluene-d8	10.325	98	337506	45.110	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.220%
62) 4-Bromofluorobenzene	12.617	95	120555	41.963	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	83.920%

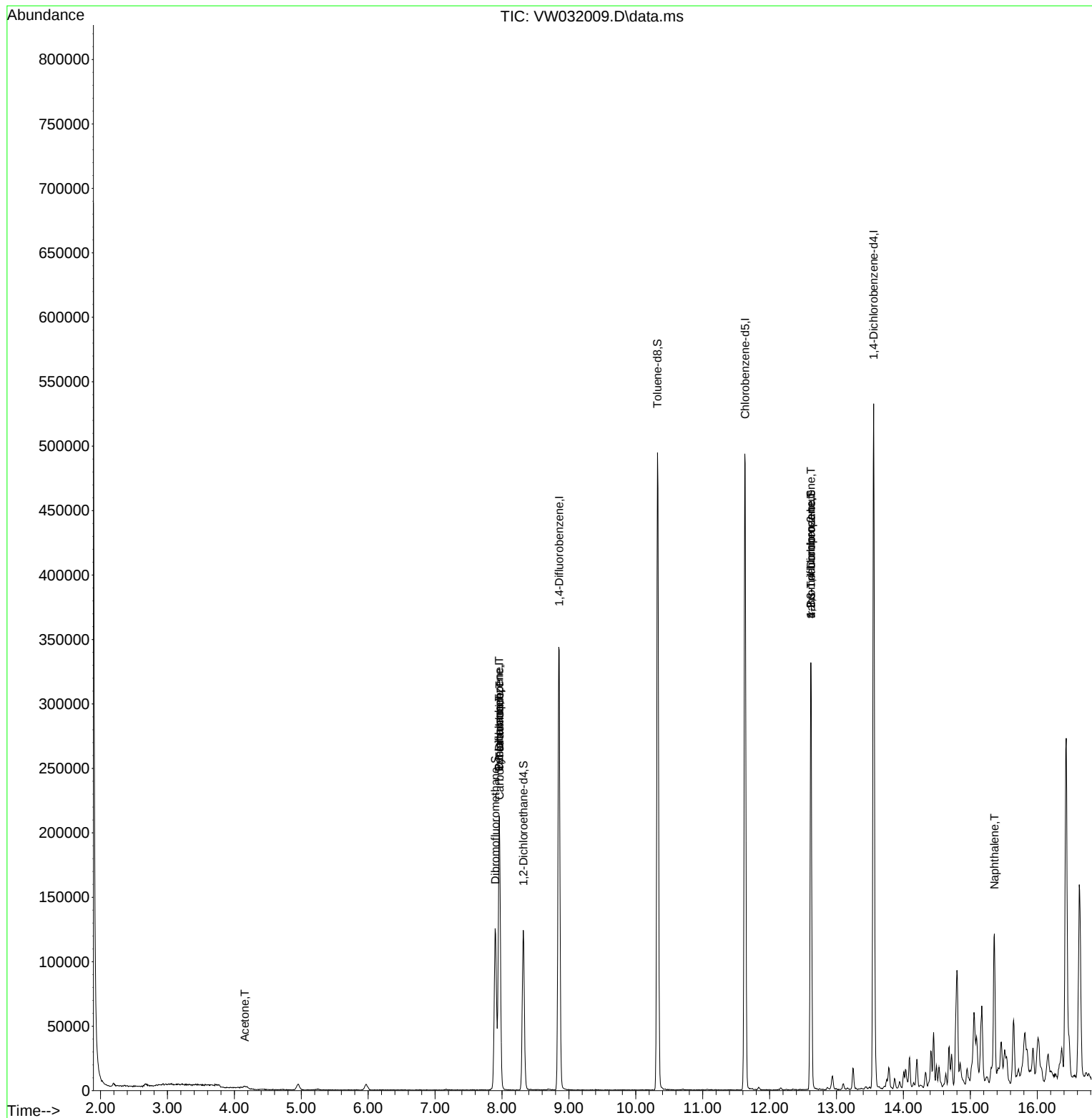
Target Compounds					Qvalue	
13) Acrolein	3.936	56	127	Below Cal	#	14
16) Acetone	4.155	43	1741	3.395	ug/l	93
20) Methylene Chloride	4.960	84	3477	Below Cal		95
31) Cyclohexane	7.959	56	3565	1.076	ug/l	# 1
36) 1,1-Dichloropropene	7.959	75	13464	4.435	ug/l	# 50
38) Carbon Tetrachloride	7.965	117	16788	5.762	ug/l	# 16
76) 1,2,3-Trichloropropane	12.617	75	60287	32.736	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.617	75	60287	75.577	ug/l	# 8
95) Naphthalene	15.360	128	96664	14.113	ug/l	98

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

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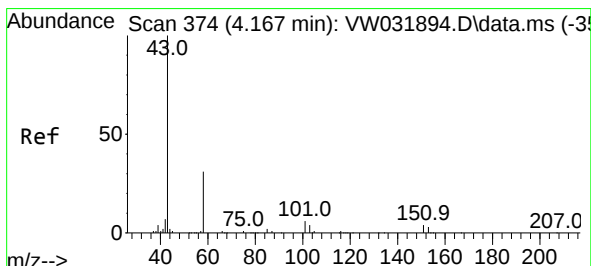
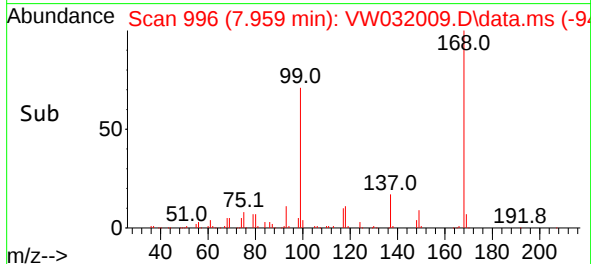
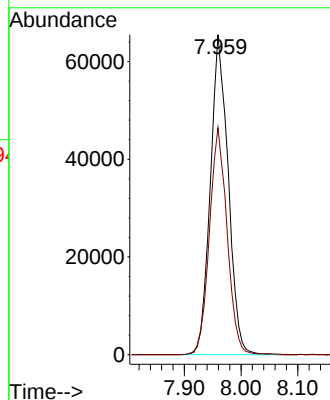
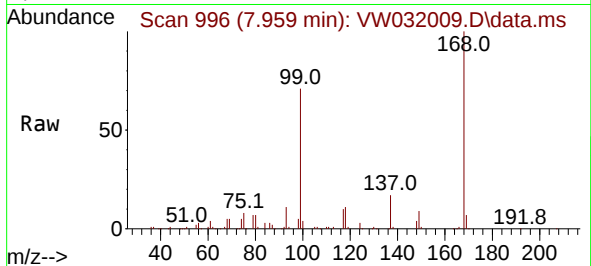




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032009.D
Acq: 05 Aug 2025 12:35

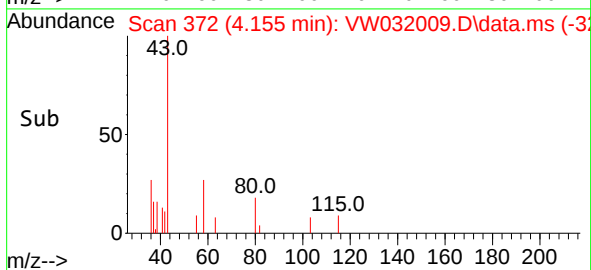
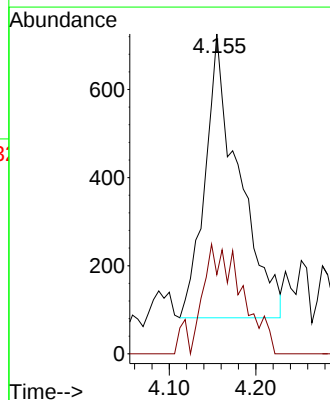
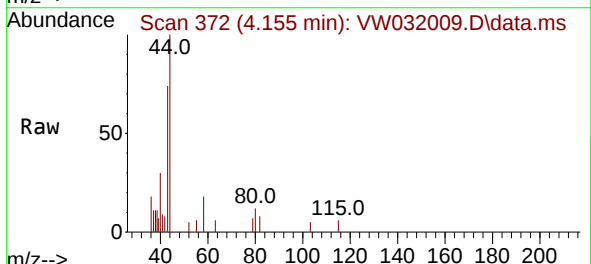
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MSVOA_W
ClientSampleId :
VOC

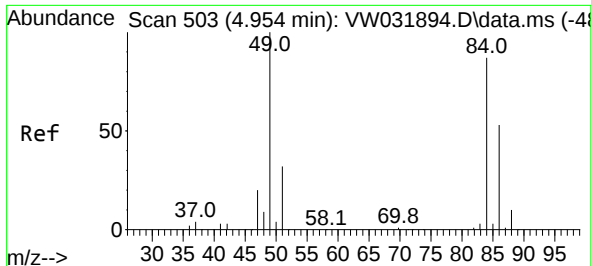
Tgt Ion:168 Resp: 142857
Ion Ratio Lower Upper
168 100
99 70.9 48.2 72.2



#16
Acetone
Concen: 3.395 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.012 min
Lab File: VW032009.D
Acq: 05 Aug 2025 12:35

Tgt Ion: 43 Resp: 1741
Ion Ratio Lower Upper
43 100
58 28.0 25.5 38.3

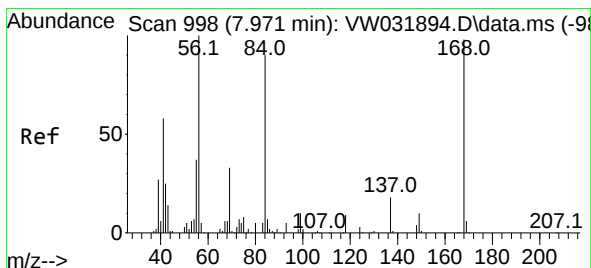
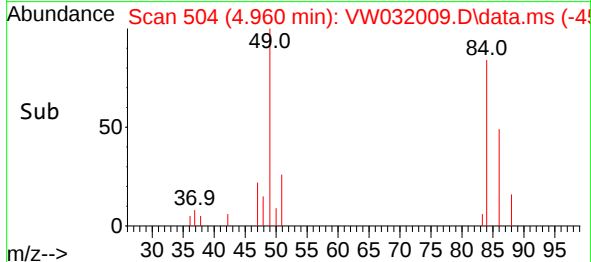
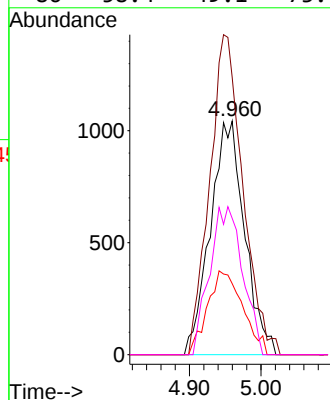
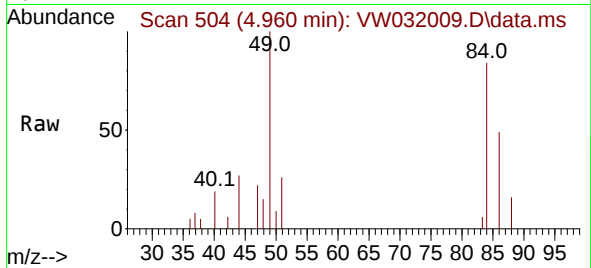




#20
Methylene Chloride
Concen: Below Cal
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032009.D
Acq: 05 Aug 2025 12:35

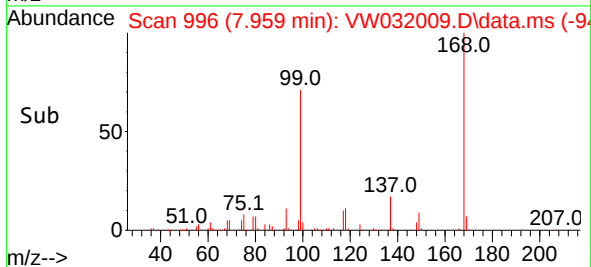
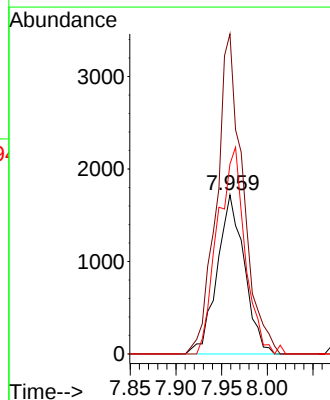
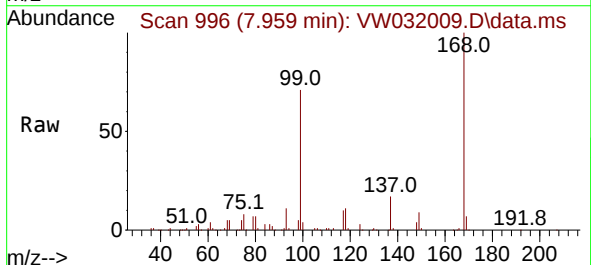
Instrument :
MSVOA_W
ClientSampleId :
VOC

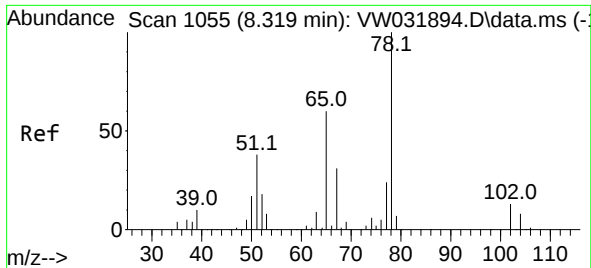
Tgt Ion:	84	Resp:	3477
Ion	Ratio	Lower	Upper
84	100		
49	118.7	91.9	137.9
51	30.4	29.0	43.6
86	58.4	49.1	73.7



#31
Cyclohexane
Concen: 1.076 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032009.D
Acq: 05 Aug 2025 12:35

Tgt Ion:	56	Resp:	3565
Ion	Ratio	Lower	Upper
56	100		
69	201.3	26.7	40.1#
84	119.4	71.8	107.6#

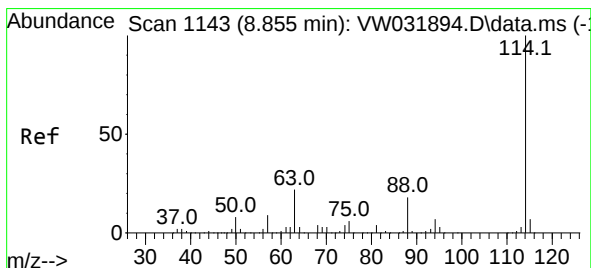
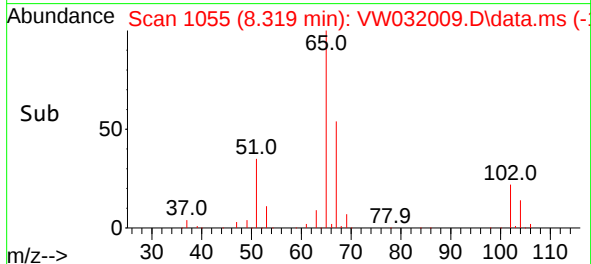
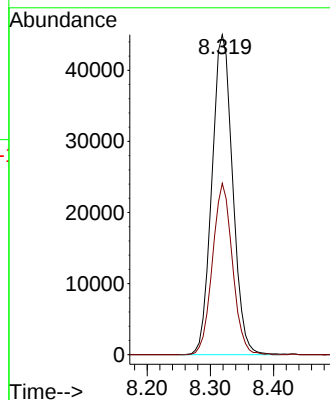
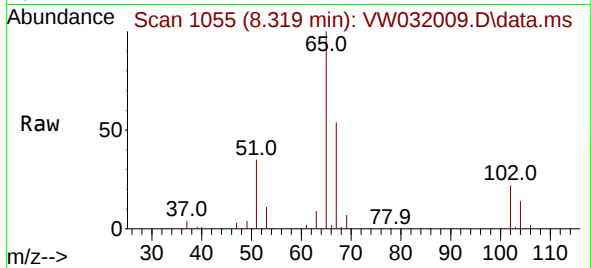




#33
 1,2-Dichloroethane-d4
 Concen: 47.294 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032009.D
 Acq: 05 Aug 2025 12:35

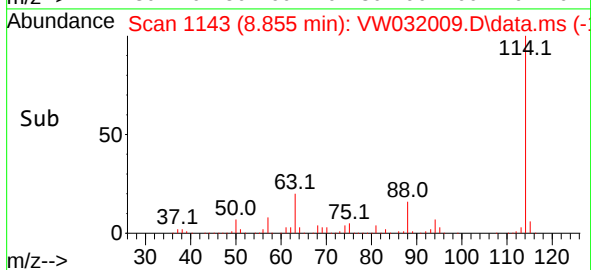
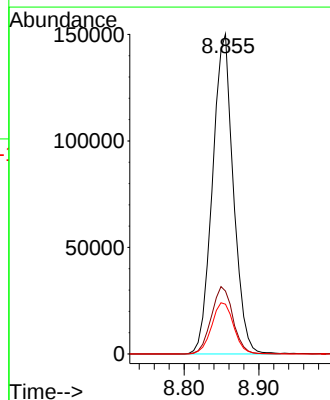
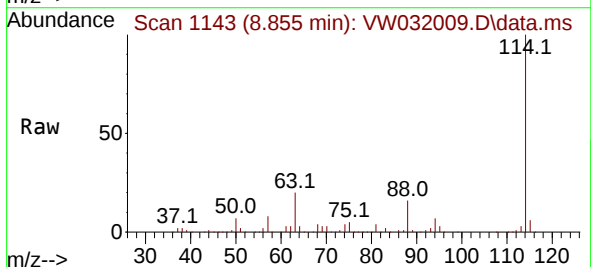
Instrument :
 MSVOA_W
 ClientSampleId :
 VOC

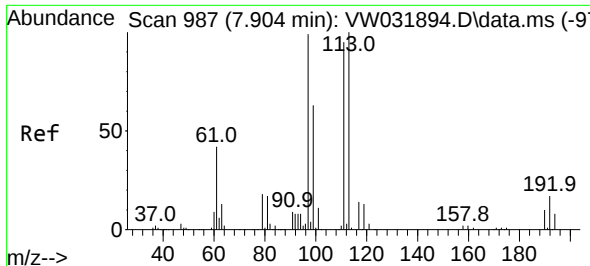
Tgt Ion: 65 Resp: 102206
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032009.D
 Acq: 05 Aug 2025 12:35

Tgt Ion: 114 Resp: 290928
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 44.2
 88 15.5 0.0 35.6

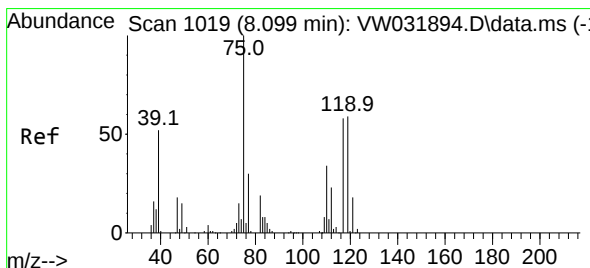
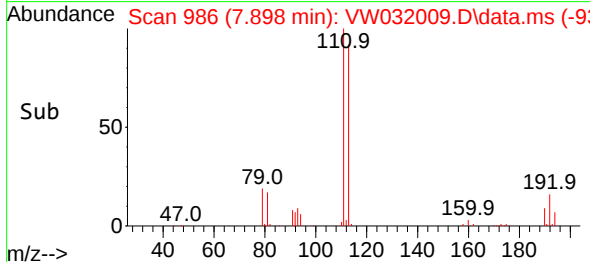
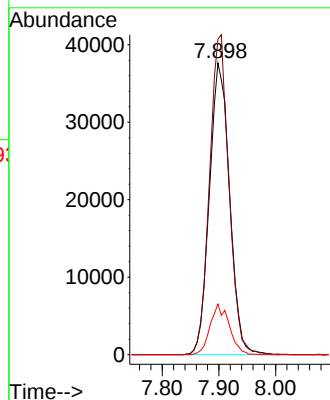
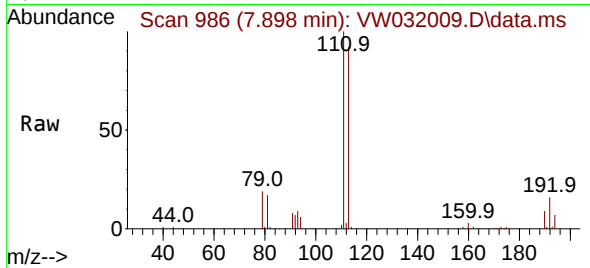




#35
 Dibromofluoromethane
 Concen: 47.061 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032009.D
 Acq: 05 Aug 2025 12:35

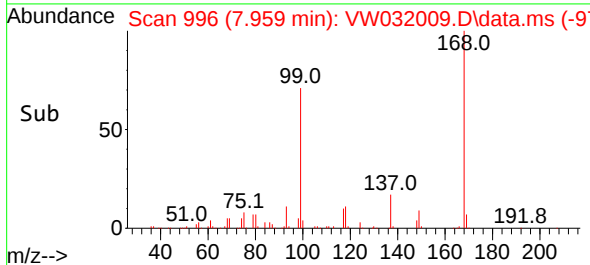
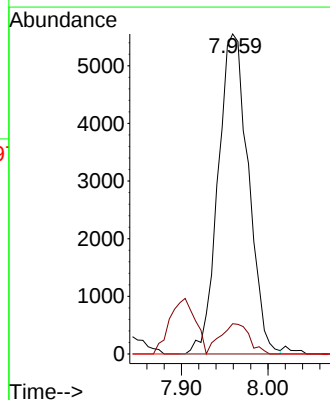
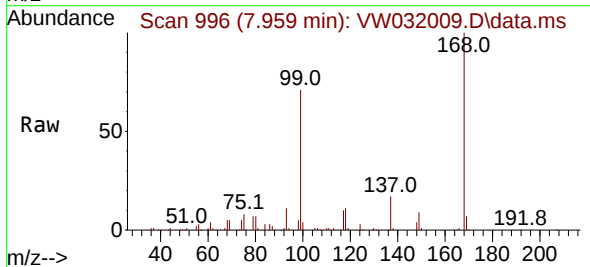
Instrument :
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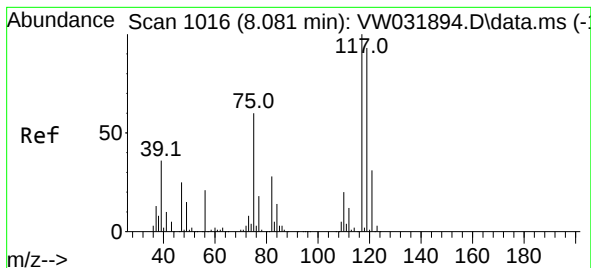
Tgt Ion:113 Resp: 93035
 Ion Ratio Lower Upper
 113 100
 111 105.5 79.9 119.9
 192 16.5 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 4.435 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032009.D
 Acq: 05 Aug 2025 12:35

Tgt Ion: 75 Resp: 13464
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.0 50.9#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.762 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032009.D

Acq: 05 Aug 2025 12:35

Instrument :

MSVOA_W

ClientSampleId :

VOC

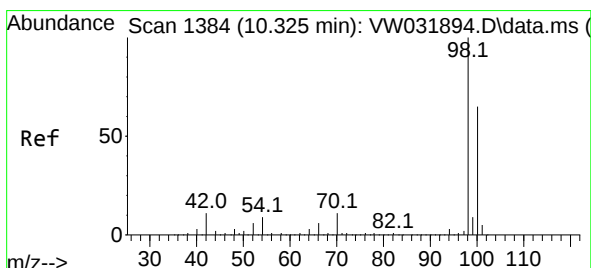
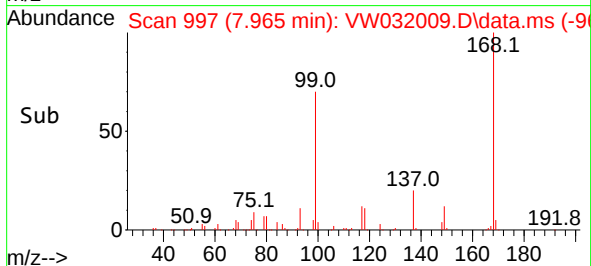
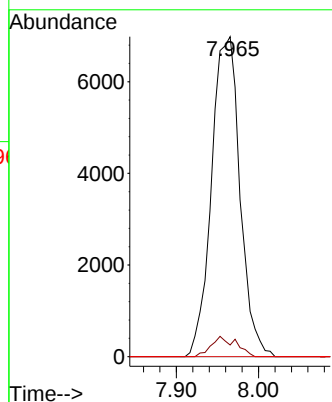
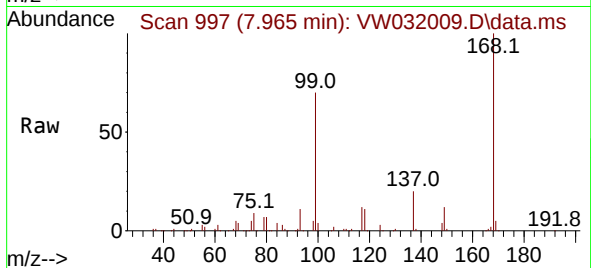
Tgt Ion:117 Resp: 16788

Ion Ratio Lower Upper

117 100

119 3.6 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 45.110 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032009.D

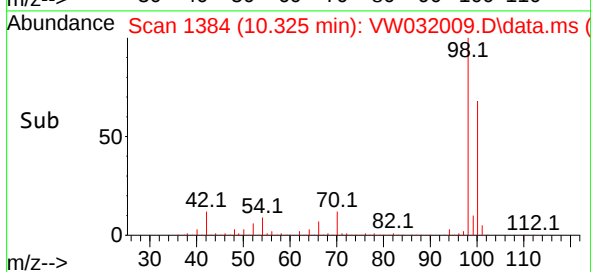
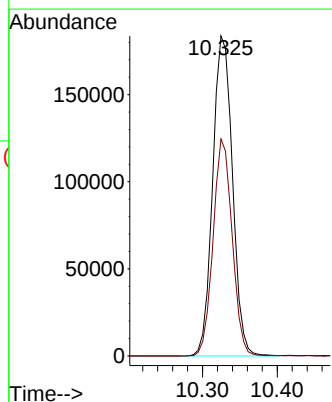
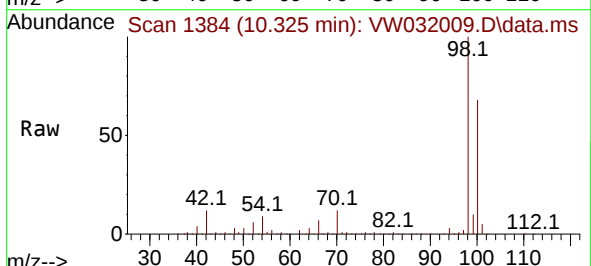
Acq: 05 Aug 2025 12:35

Tgt Ion: 98 Resp: 337506

Ion Ratio Lower Upper

98 100

100 65.5 51.7 77.5

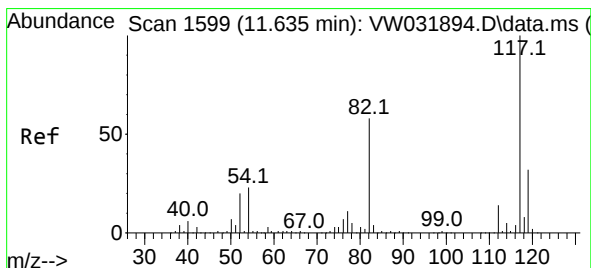
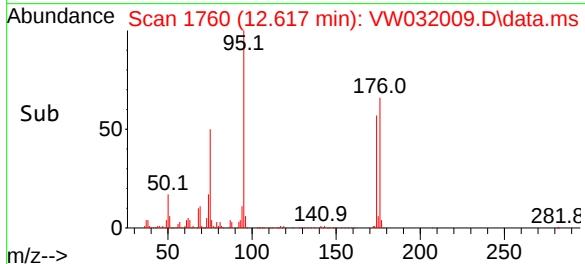
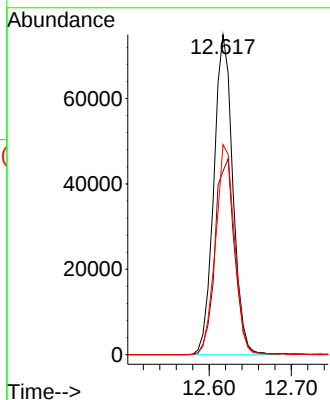
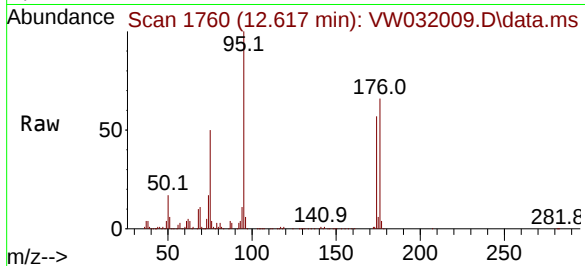




#62
4-Bromofluorobenzene
Concen: 41.963 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032009.D
Acq: 05 Aug 2025 12:35

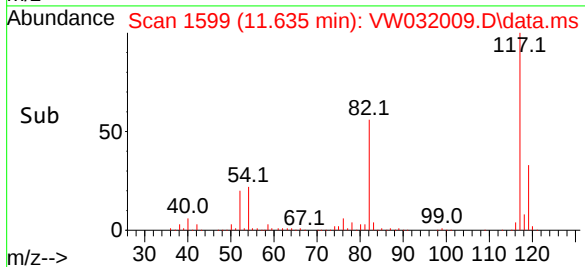
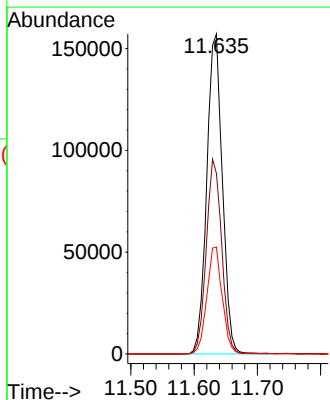
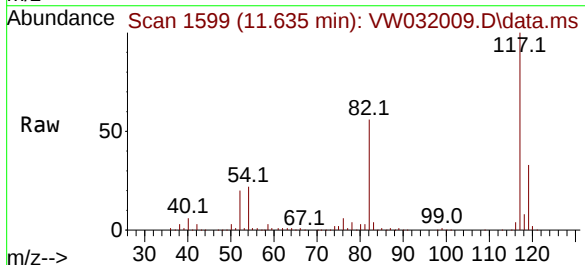
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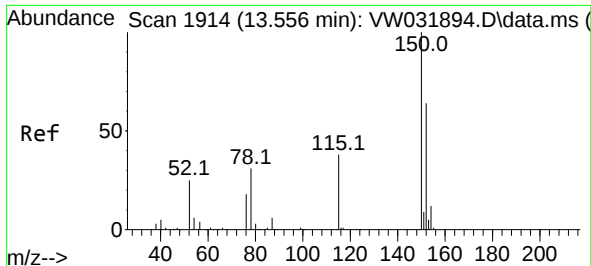
Tgt Ion: 95 Resp: 120555
Ion Ratio Lower Upper
95 100
174 63.1 0.0 129.8
176 65.9 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW032009.D
Acq: 05 Aug 2025 12:35

Tgt Ion: 117 Resp: 269684
Ion Ratio Lower Upper
117 100
82 56.4 46.5 69.7
119 33.4 25.8 38.6

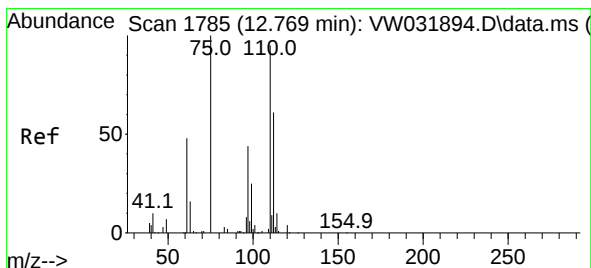
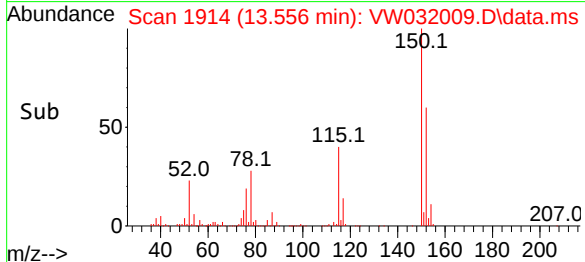
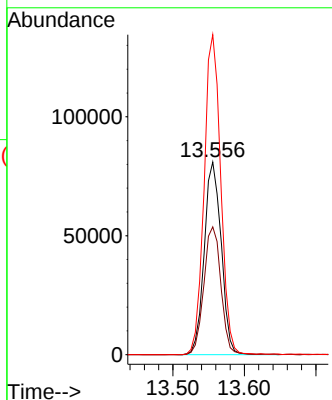
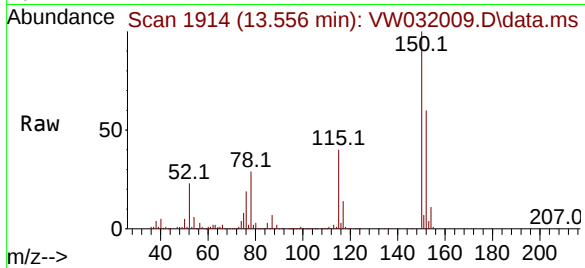




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032009.D
Acq: 05 Aug 2025 12:35

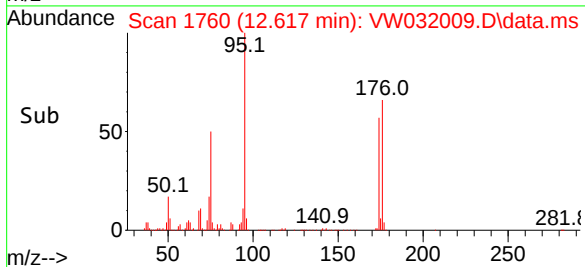
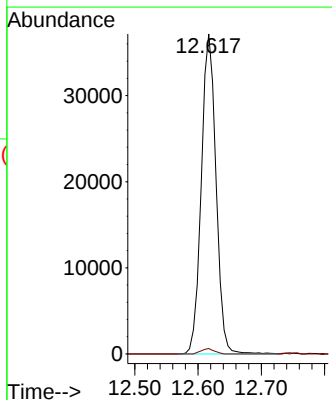
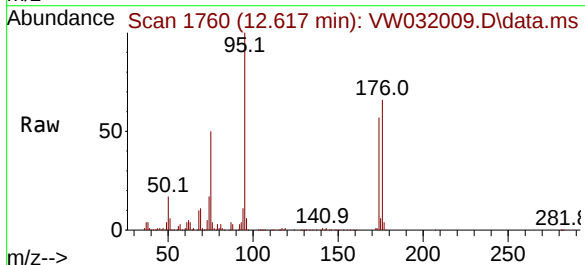
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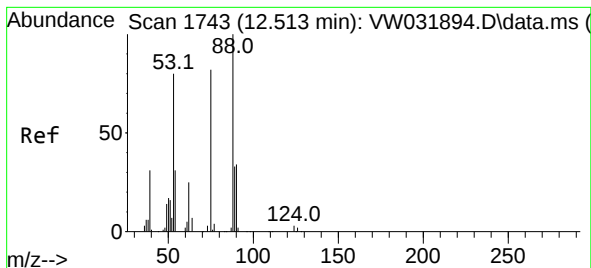
Tgt Ion:152 Resp: 133389
Ion Ratio Lower Upper
152 100
115 66.7 33.4 100.1
150 162.9 0.0 352.2



#76
1,2,3-Trichloropropane
Concen: 32.736 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW032009.D
Acq: 05 Aug 2025 12:35

Tgt Ion: 75 Resp: 60287
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

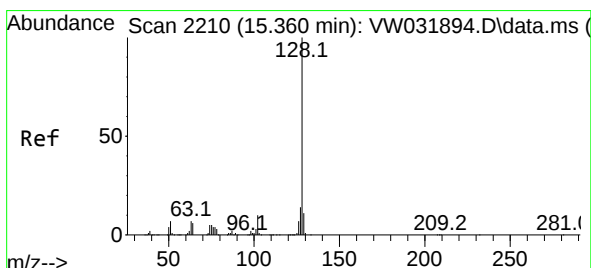
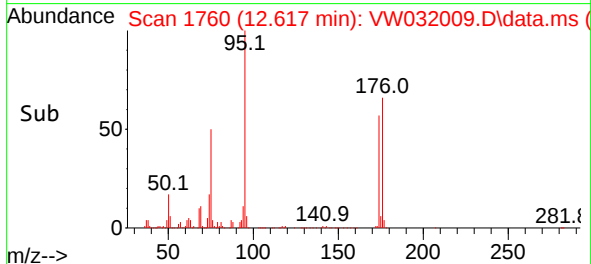
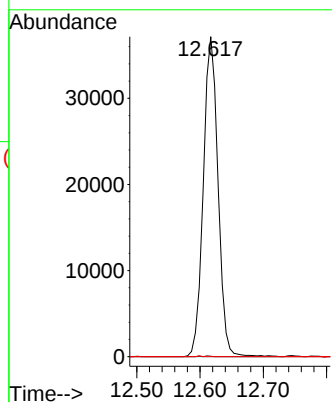
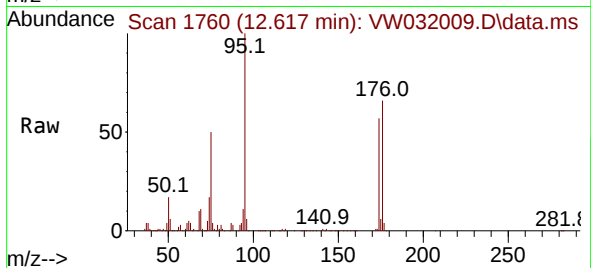




#81
trans-1,4-Dichloro-2-butene
Concen: 75.577 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032009.D
Acq: 05 Aug 2025 12:35

Instrument :
MSVOA_W
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 60287
Ion Ratio Lower Upper
75 100
53 0.1 83.7 125.5#
89 0.1 39.0 58.6#



#95
Naphthalene
Concen: 14.113 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW032009.D
Acq: 05 Aug 2025 12:35

Tgt Ion: 128 Resp: 96664
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.3 9.2 13.8

