

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW031995.D
 Acq On : 04 Aug 2025 12:50
 Operator : SY/MD
 Sample : Q2747-09
 Misc : 3.15g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-TSCP02-073125RE

Quant Time: Aug 05 01:18:04 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)

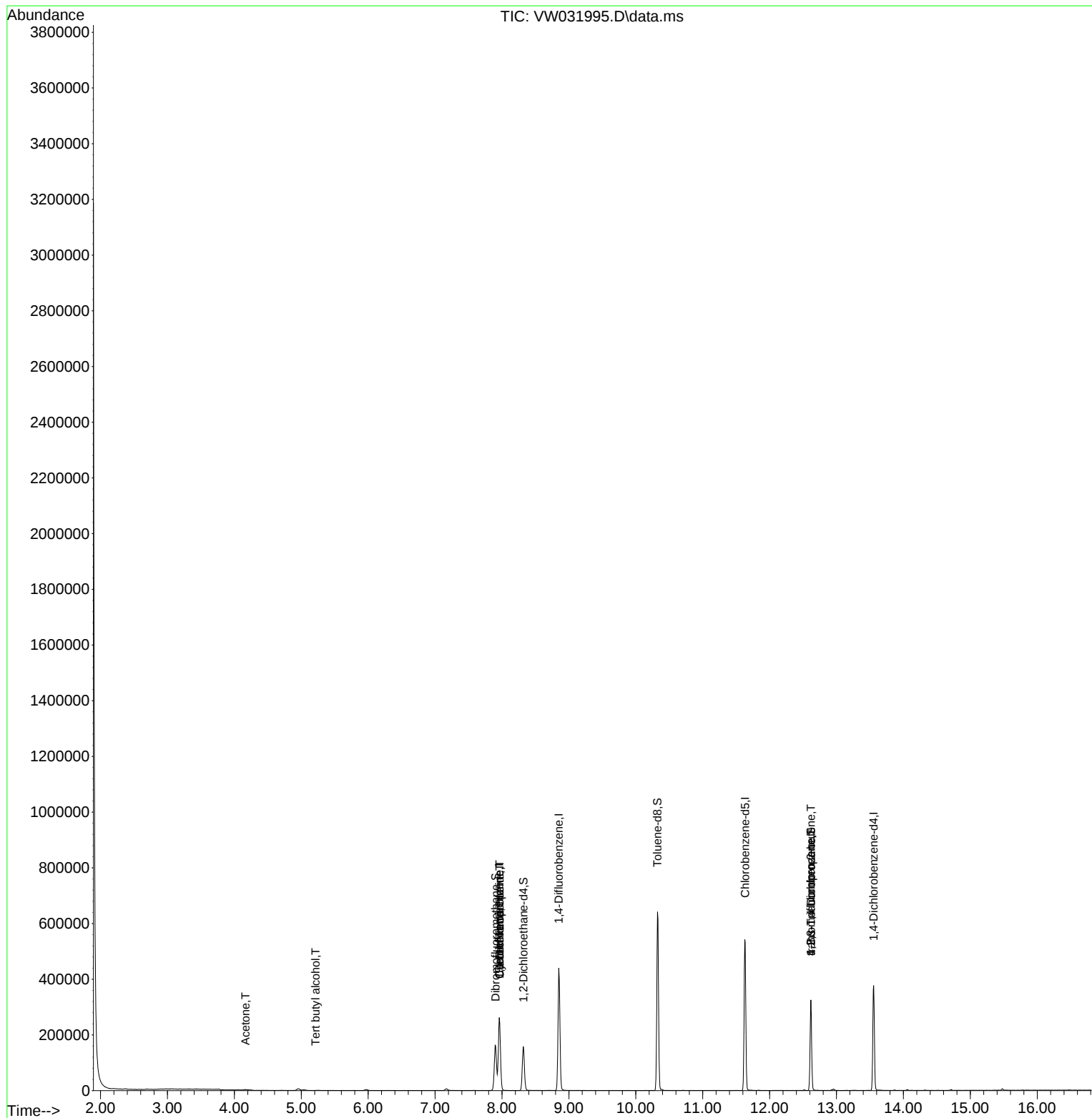
Internal Standards						
1) Pentafluorobenzene	7.959	168	170532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	361147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	301306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	100656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	129306	50.124	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 100.240%		
35) Dibromofluoromethane	7.904	113	120157	48.963	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 97.920%		
50) Toluene-d8	10.325	98	430665	46.369	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 92.740%		
62) 4-Bromofluorobenzene	12.617	95	116131	32.563	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 65.120%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	675	4.451	ug/l #	72
13) Acrolein	3.923	56	38	Below Cal	#	14
16) Acetone	4.167	43	3082	5.035	ug/l	96
20) Methylene Chloride	4.954	84	5032	Below Cal		94
31) Cyclohexane	7.965	56	4816	1.217	ug/l #	27
36) 1,1-Dichloropropene	7.965	75	16187	4.295	ug/l #	50
38) Carbon Tetrachloride	7.965	117	20704	5.724	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	59200	42.599	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	59200	98.349	ug/l #	8

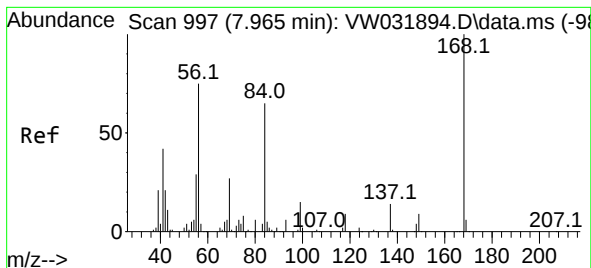
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 997

Delta R.T. -0.006 min

Lab File: VW031995.D

Acq: 04 Aug 2025 12:50

Instrument :

MSVOA_W

ClientSampleId :

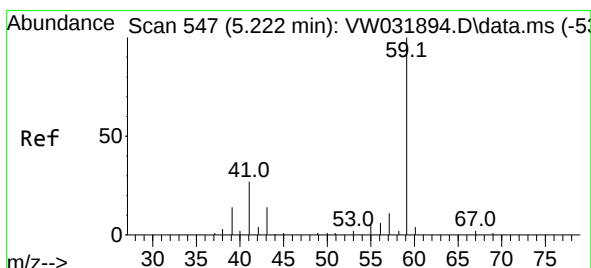
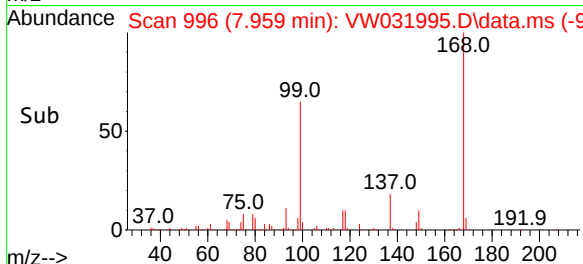
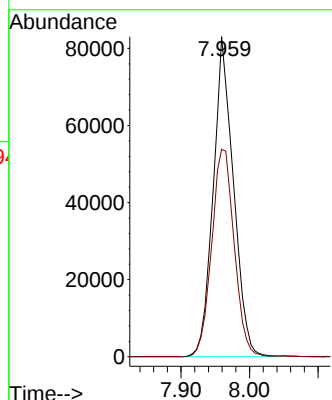
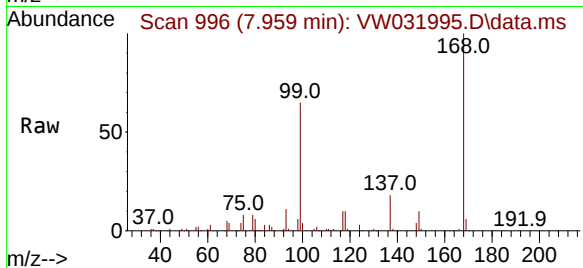
OU4-TS-GRILLO-TSCP02-073125RE

Tgt Ion:168 Resp: 170532

Ion Ratio Lower Upper

168 100

99 64.8 48.2 72.2



#11

Tert butyl alcohol

Concen: 4.451 ug/l

RT: 5.216 min Scan# 546

Delta R.T. -0.006 min

Lab File: VW031995.D

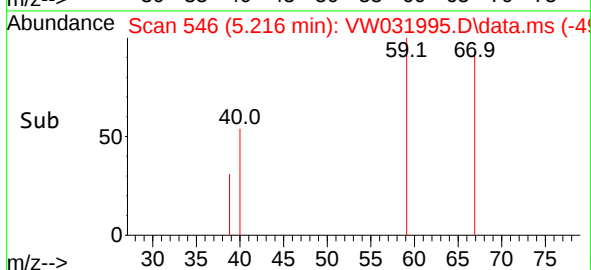
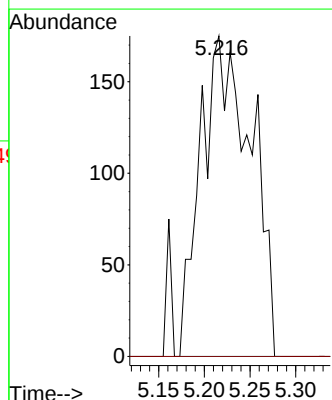
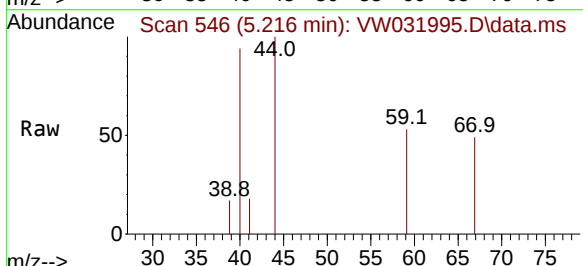
Acq: 04 Aug 2025 12:50

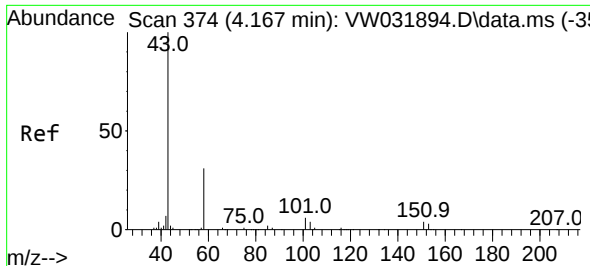
Tgt Ion: 59 Resp: 675

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8

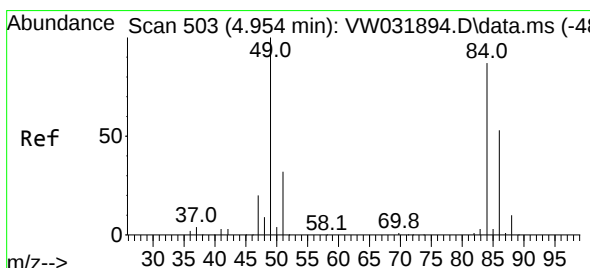
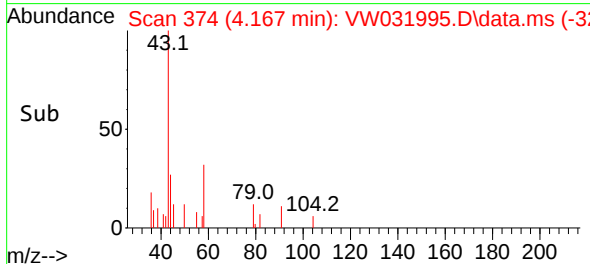
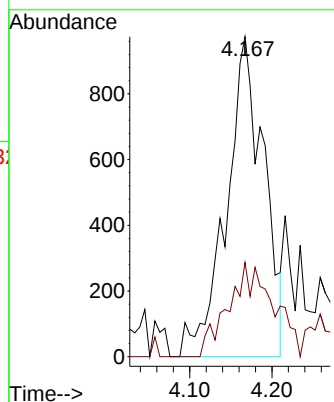
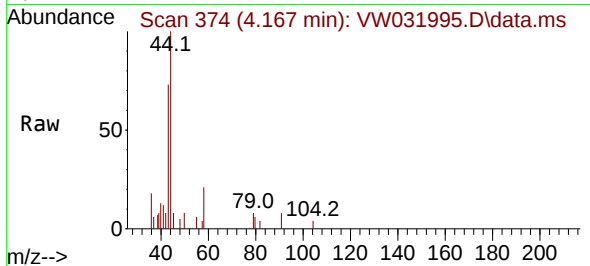




#16
Acetone
Concen: 5.035 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

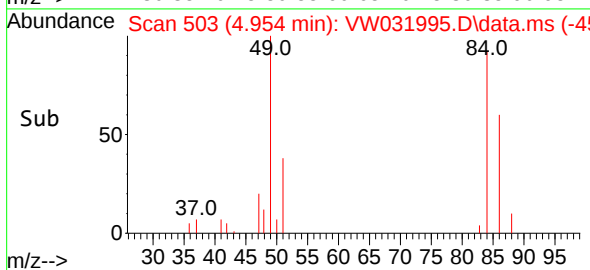
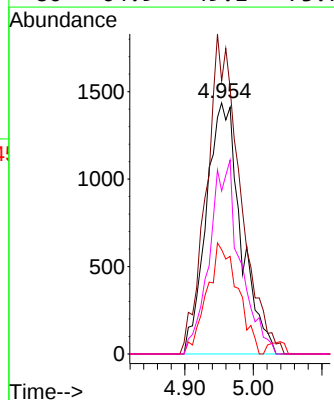
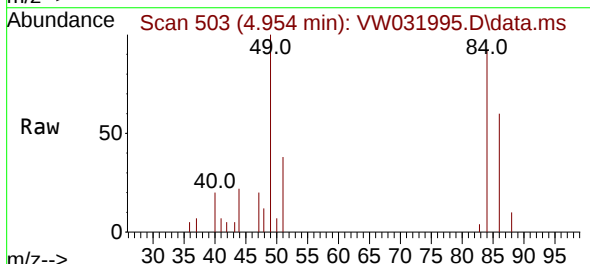
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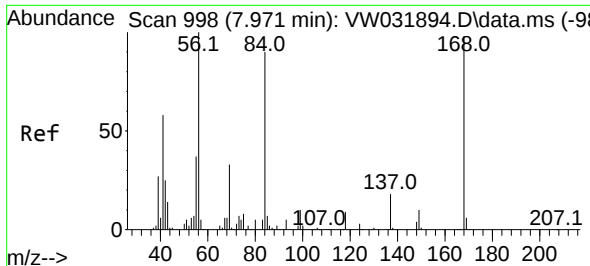
Tgt Ion: 43 Resp: 3082
Ion Ratio Lower Upper
43 100
58 29.5 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion: 84 Resp: 5032
Ion Ratio Lower Upper
84 100
49 108.7 91.9 137.9
51 41.6 29.0 43.6
86 64.9 49.1 73.7

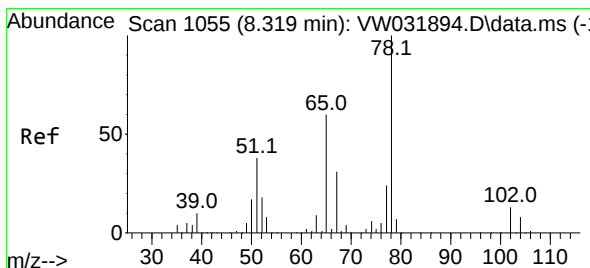
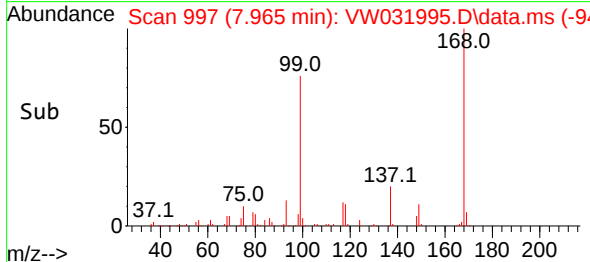
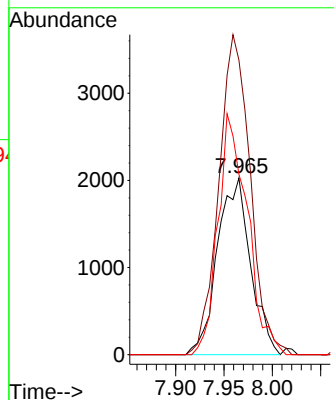
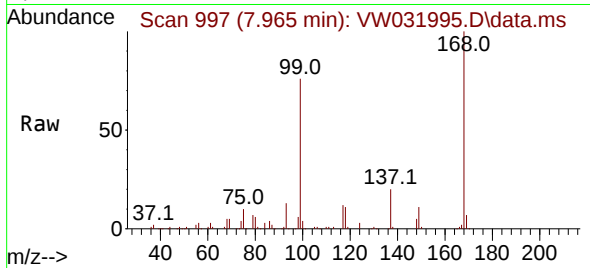




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

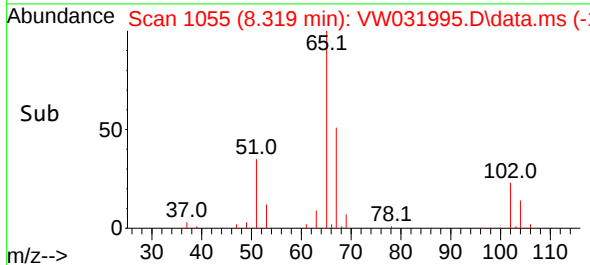
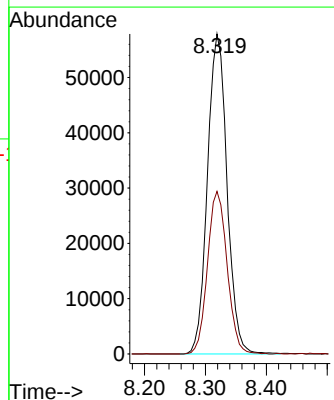
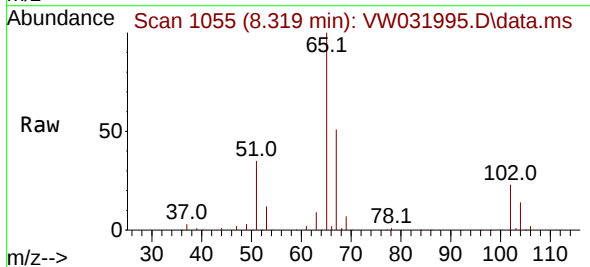
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125RE

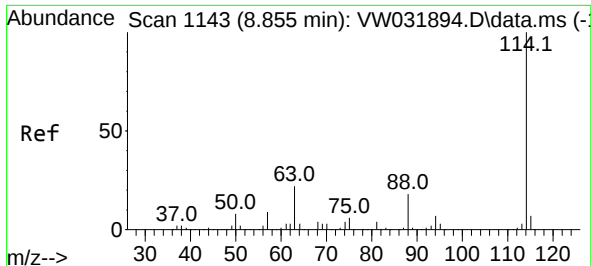
Tgt Ion: 56 Resp: 4816
Ion Ratio Lower Upper
56 100
69 166.6 26.7 40.1#
84 102.1 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 50.124 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion: 65 Resp: 129306
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.4

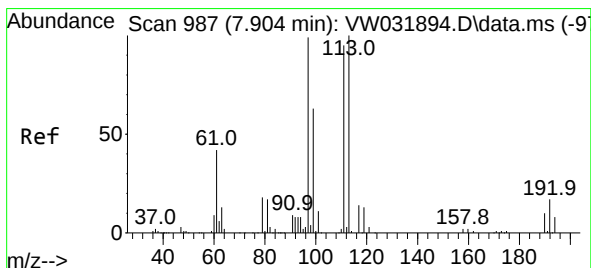
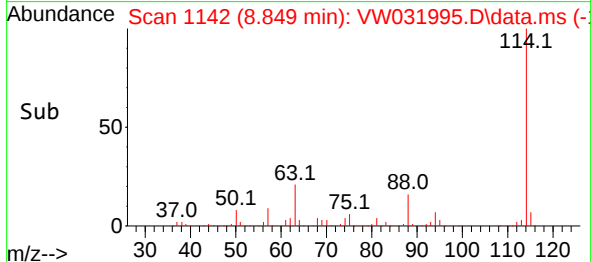
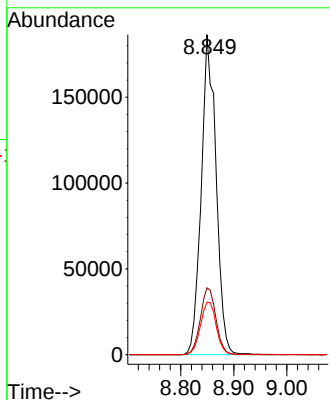
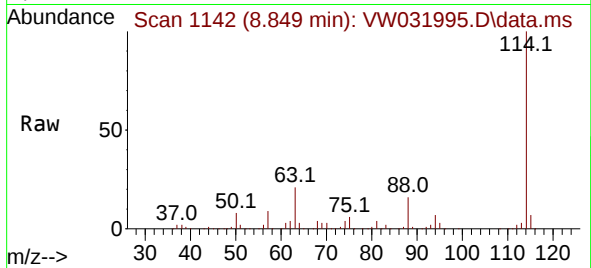




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

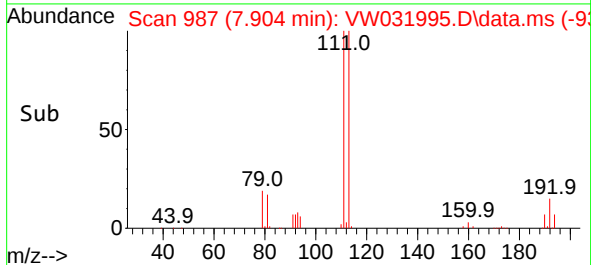
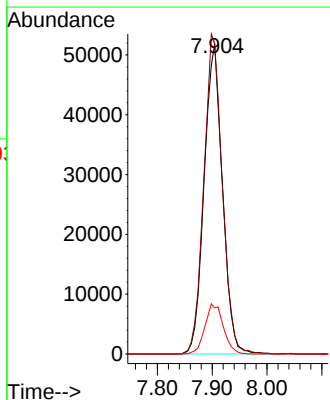
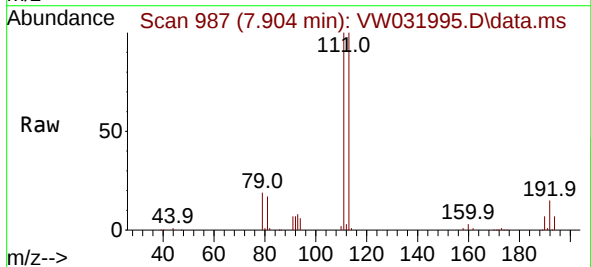
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125RE

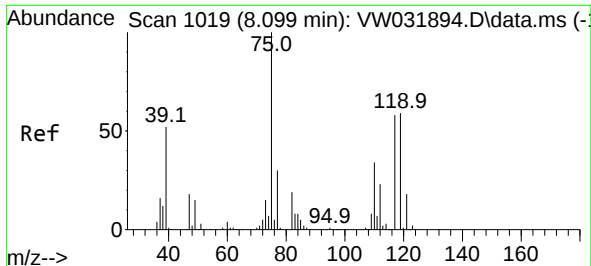
Tgt Ion:114 Resp: 361147
Ion Ratio Lower Upper
114 100
63 20.9 0.0 44.2
88 16.4 0.0 35.6



#35
Dibromofluoromethane
Concen: 48.963 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion:113 Resp: 120157
Ion Ratio Lower Upper
113 100
111 103.6 79.9 119.9
192 16.2 12.6 19.0

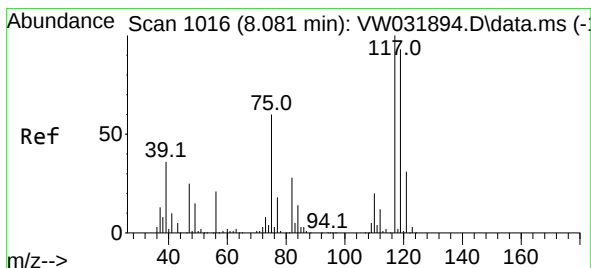
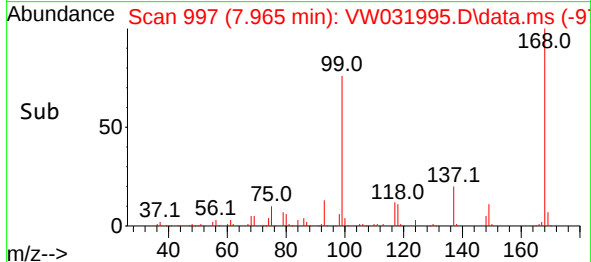
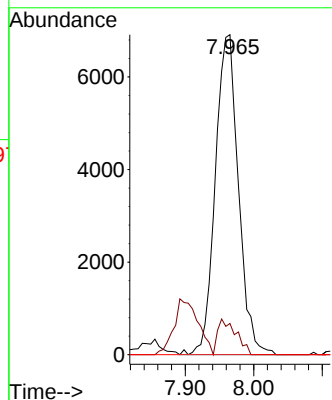
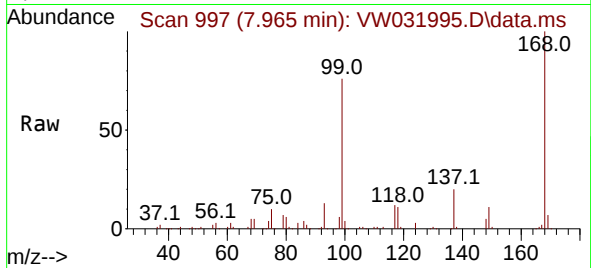




#36
1,1-Dichloropropene
Concen: 4.295 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

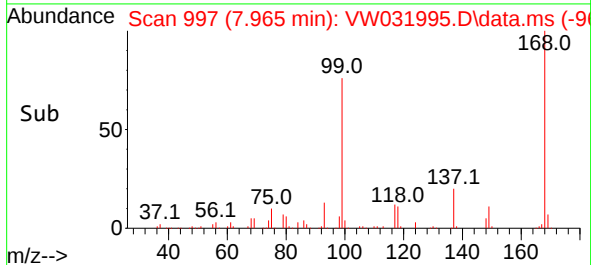
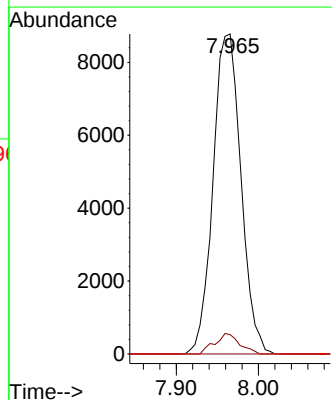
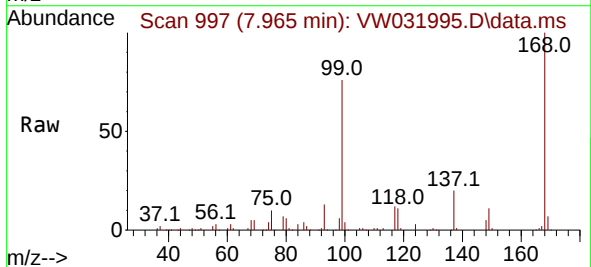
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ClientSampleId :
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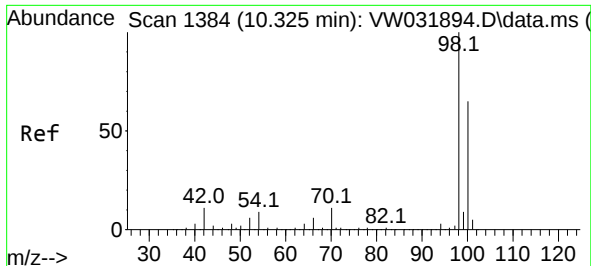
Tgt Ion: 75 Resp: 16187
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.724 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion: 117 Resp: 20704
Ion Ratio Lower Upper
117 100
119 6.0 74.3 111.5#
121 0.0 24.6 37.0#

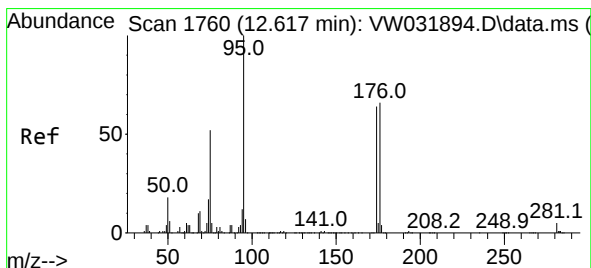
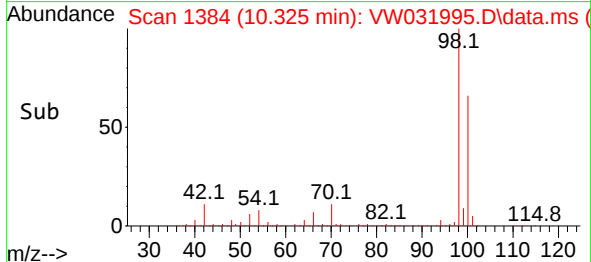
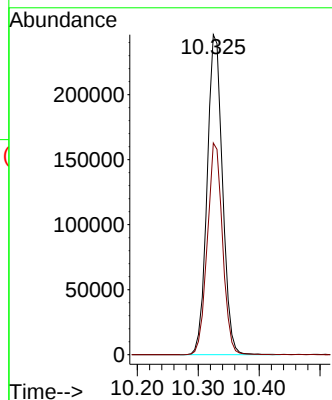
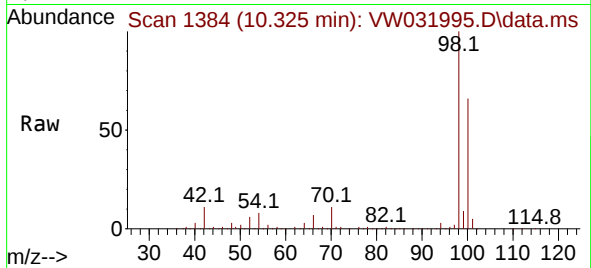




#50
Toluene-d8
Concen: 46.369 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

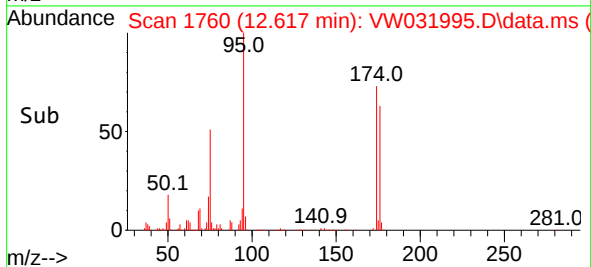
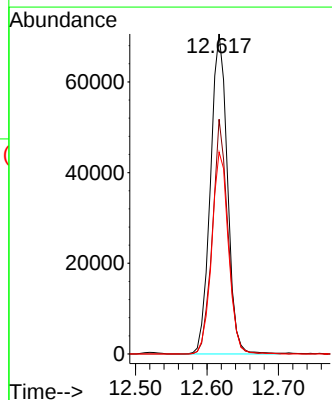
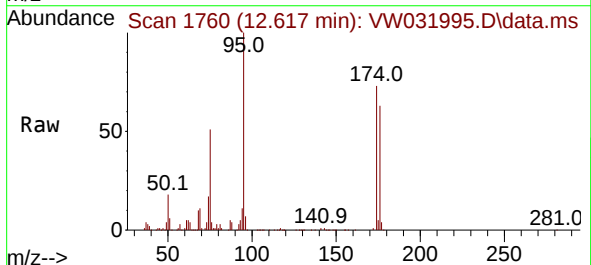
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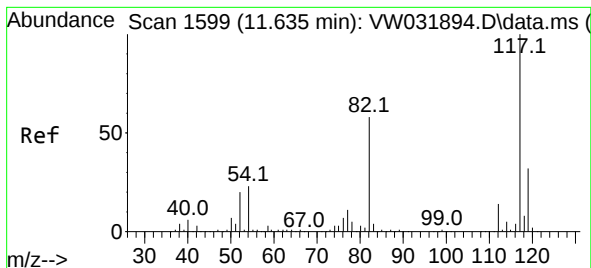
Tgt Ion: 98 Resp: 430665
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 32.563 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion: 95 Resp: 116131
Ion Ratio Lower Upper
95 100
174 66.9 0.0 129.8
176 62.2 0.0 130.4

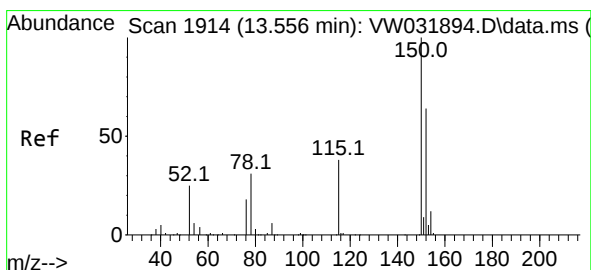
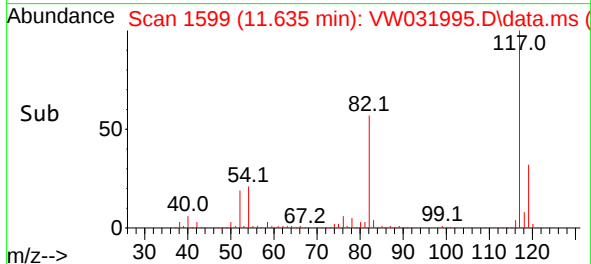
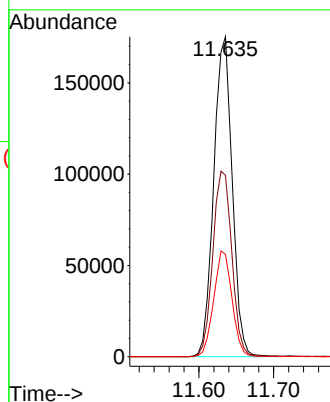
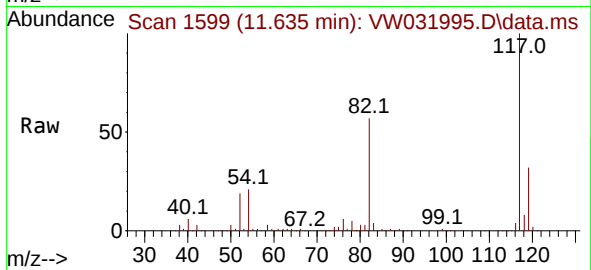




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

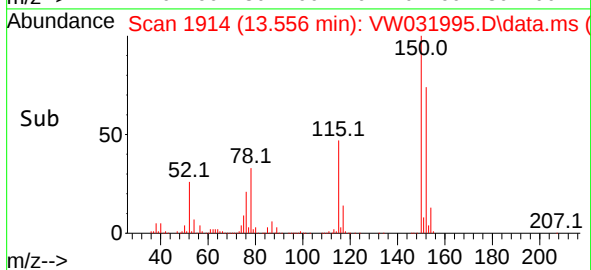
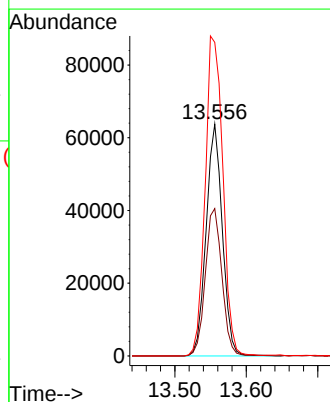
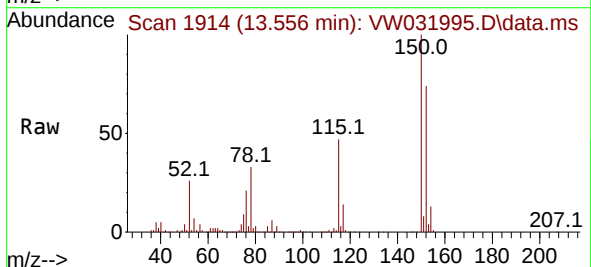
Instrument :
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OU4-TS-GRILLO-TSCP02-073125RE

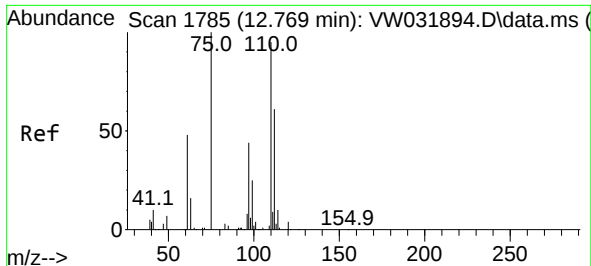
Tgt Ion:117 Resp: 301306
Ion Ratio Lower Upper
117 100
82 56.6 46.5 69.7
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion:152 Resp: 100656
Ion Ratio Lower Upper
152 100
115 65.2 33.4 100.1
150 150.0 0.0 352.2

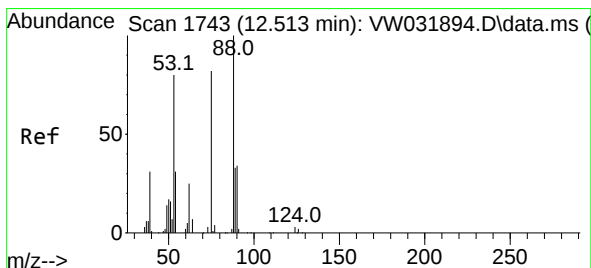
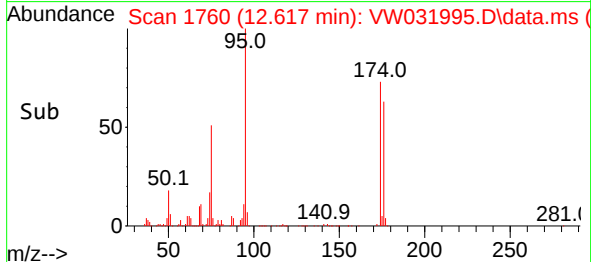
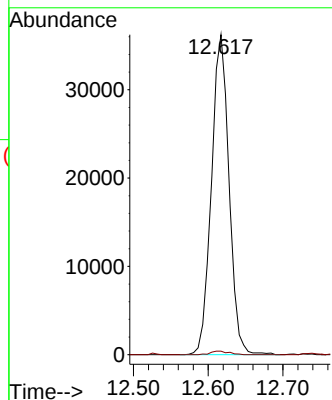
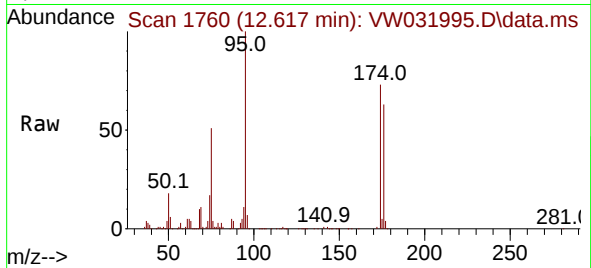




#76
1,2,3-Trichloropropane
Concen: 42.599 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125RE

Tgt Ion: 75 Resp: 59200
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.349 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion: 75 Resp: 59200
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 39.0 58.6#

