

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW031991.D
 Acq On : 04 Aug 2025 11:22
 Operator : SY/MD
 Sample : Q2747-01
 Misc : 3.93g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-OG2-073125RE

Quant Time: Aug 05 01:16:24 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)

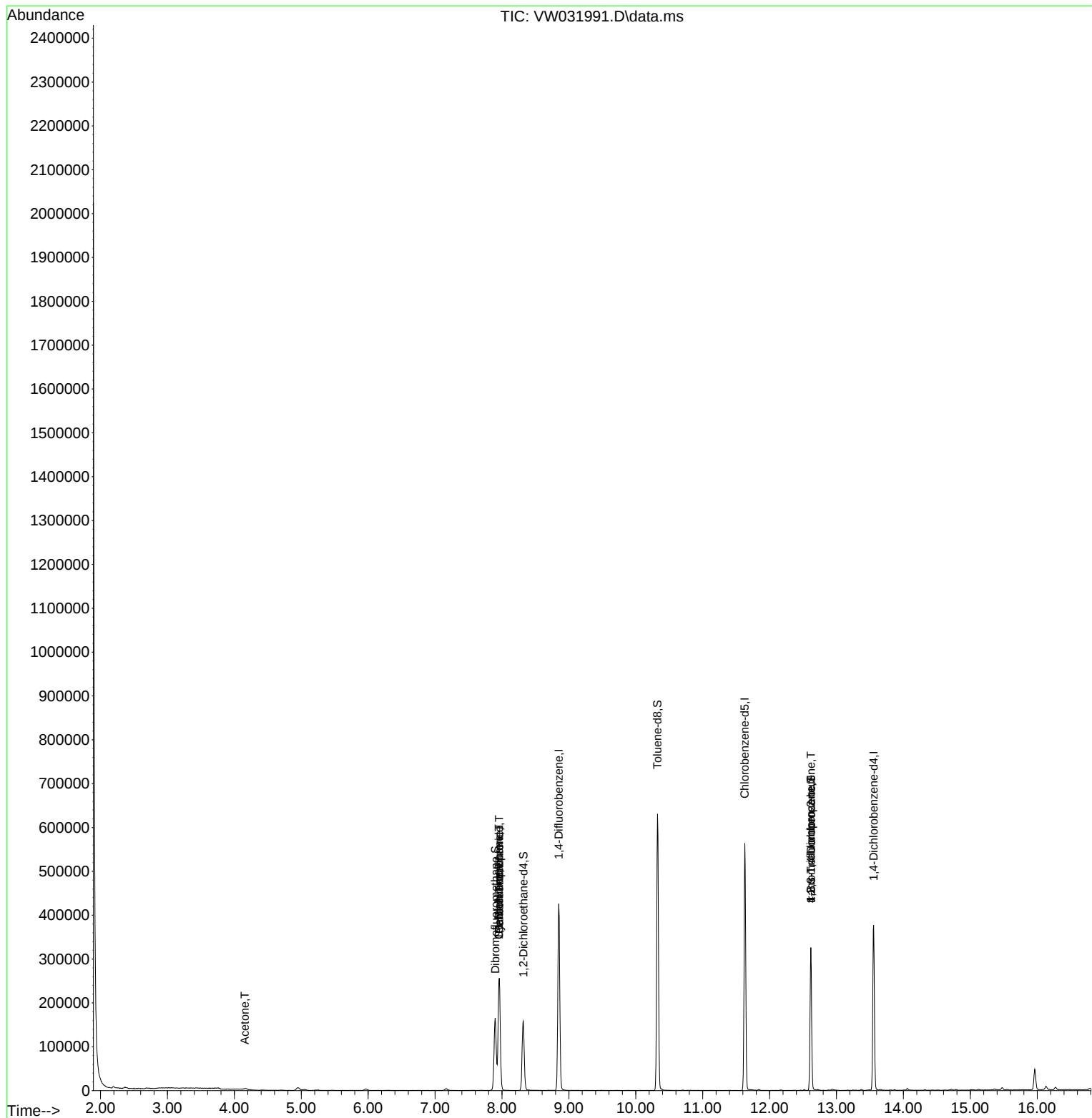
Internal Standards						
1) Pentafluorobenzene	7.959	168	182402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	364170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	310098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	100373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	132965	48.188	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	96.380%	
35) Dibromofluoromethane	7.898	113	121261	49.003	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	98.000%	
50) Toluene-d8	10.325	98	429410	45.850	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	91.700%	
62) 4-Bromofluorobenzene	12.617	95	114570	31.859	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	63.720%	
Target Compounds						
					Qvalue	
13) Acrolein	3.936	56	61	Below Cal	#	45
16) Acetone	4.155	43	2065	3.154	ug/l	90
20) Methylene Chloride	4.954	84	5400	Below Cal		87
31) Cyclohexane	7.953	56	4241	1.002	ug/l #	6
36) 1,1-Dichloropropene	7.953	75	16598	4.368	ug/l #	49
38) Carbon Tetrachloride	7.959	117	19799	5.429	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	61599	44.450	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	61599	102.623	ug/l #	8

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

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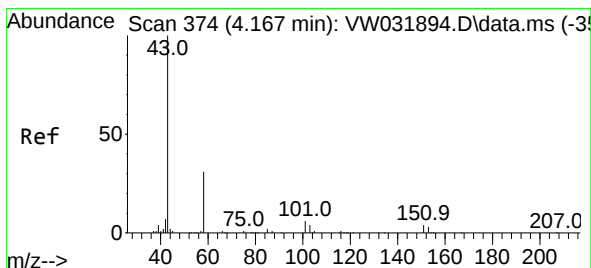
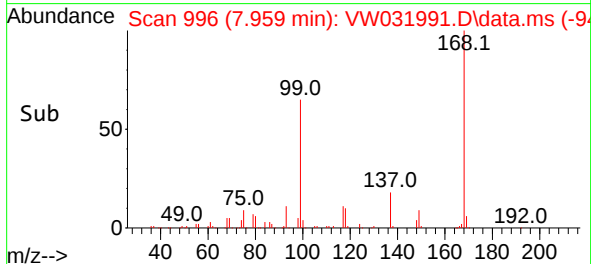
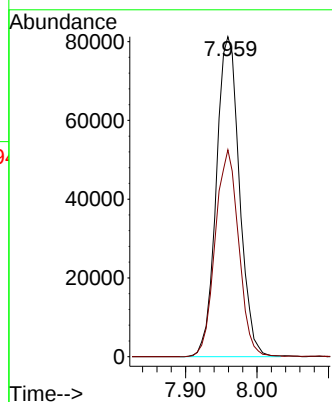
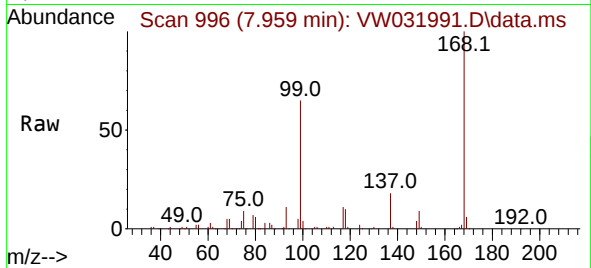




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

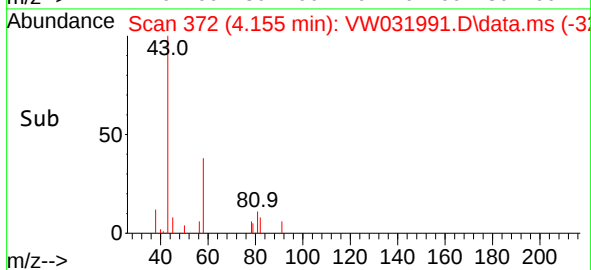
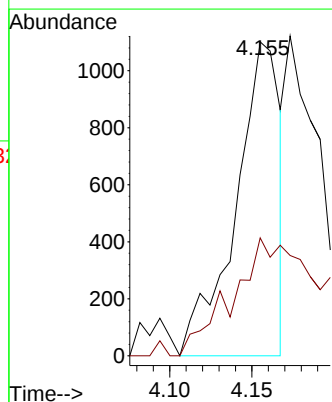
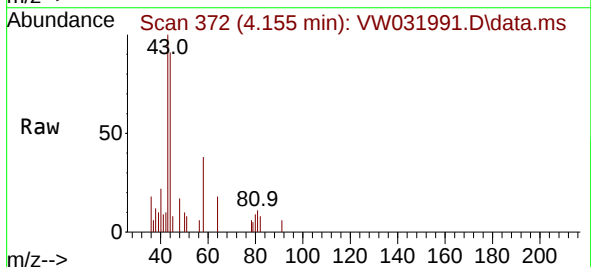
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

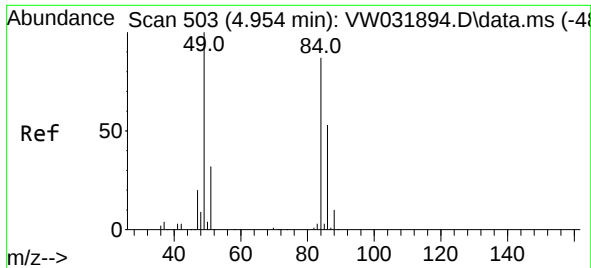
Tgt Ion:168 Resp: 182402
Ion Ratio Lower Upper
168 100
99 64.7 48.2 72.2



#16
Acetone
Concen: 3.154 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.012 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Tgt Ion: 43 Resp: 2065
Ion Ratio Lower Upper
43 100
58 37.6 25.5 38.3

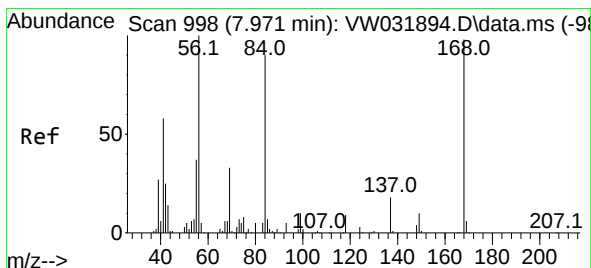
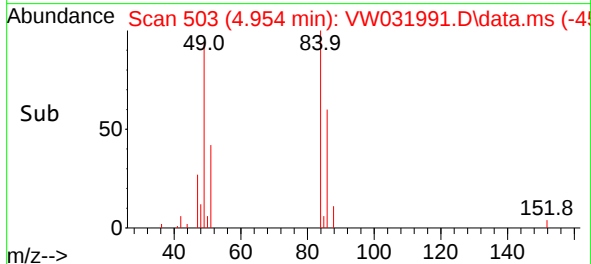
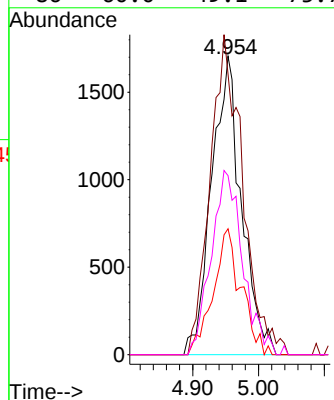
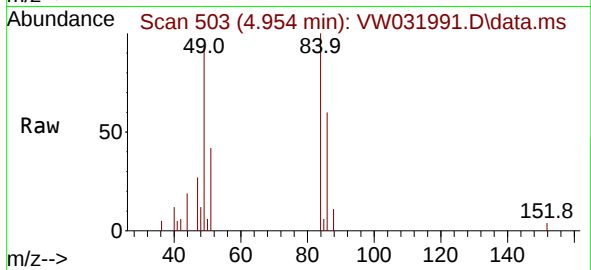




#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

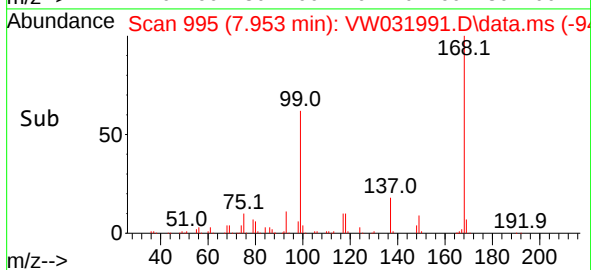
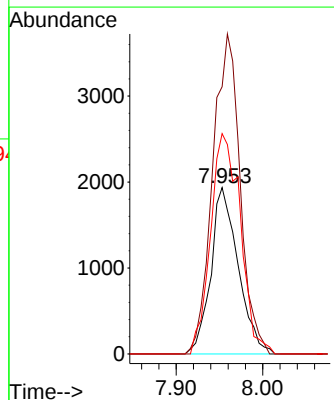
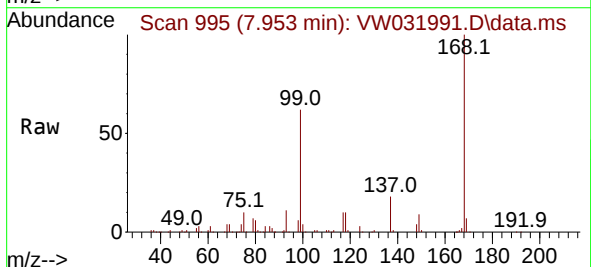
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

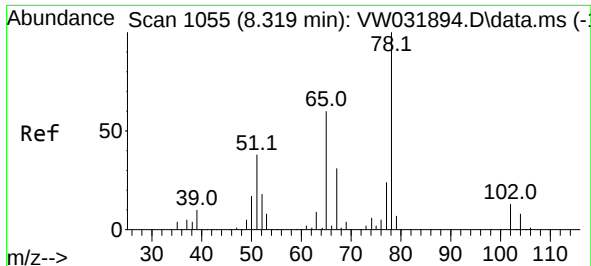
Tgt Ion:	84	Resp:	5400
Ion	Ratio	Lower	Upper
84	100		
49	94.0	91.9	137.9
51	42.2	29.0	43.6
86	60.0	49.1	73.7



#31
Cyclohexane
Concen: 1.002 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Tgt Ion:	56	Resp:	4241
Ion	Ratio	Lower	Upper
56	100		
69	160.6	26.7	40.1#
84	132.5	71.8	107.6#

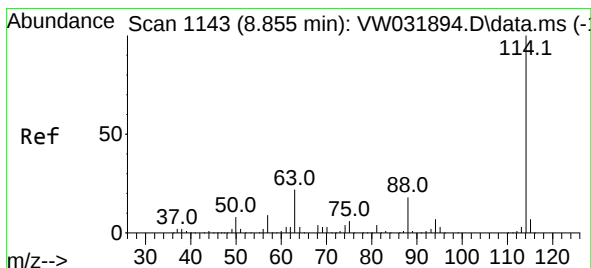
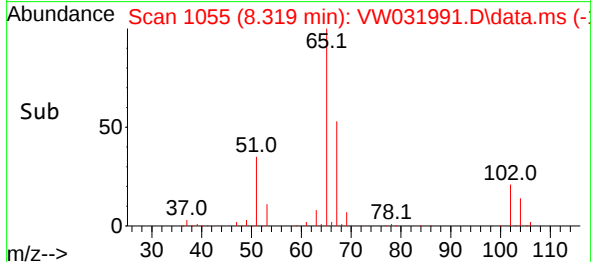
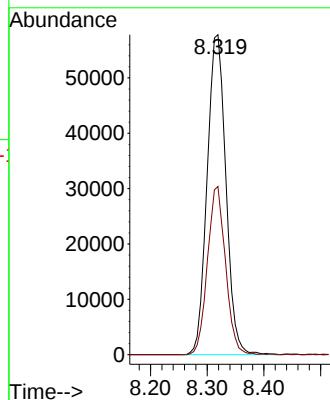
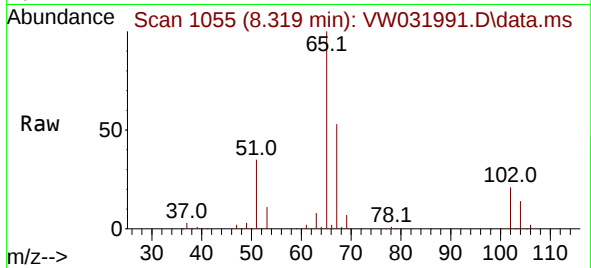




#33
 1,2-Dichloroethane-d4
 Concen: 48.188 ug/l
 RT: 8.319 min Scan# 1105
 Delta R.T. 0.000 min
 Lab File: VW031991.D
 Acq: 04 Aug 2025 11:22

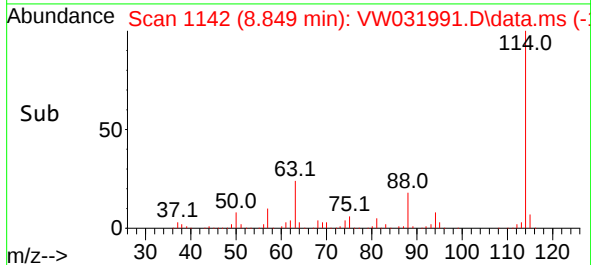
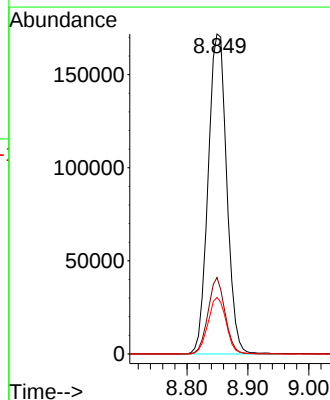
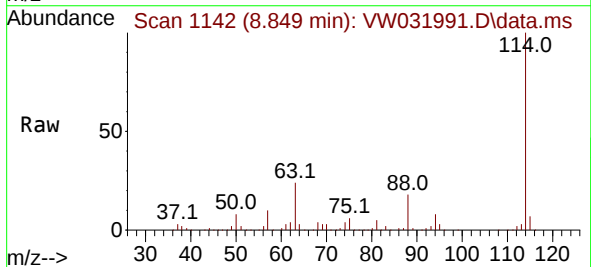
Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-OG2-073125RE

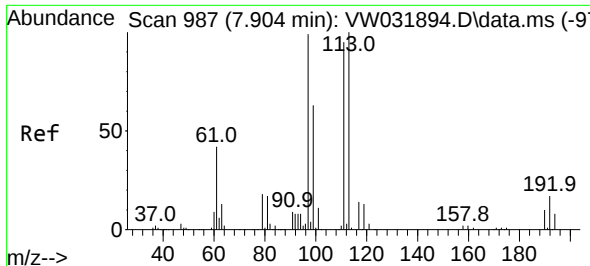
Tgt Ion: 65 Resp: 132965
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW031991.D
 Acq: 04 Aug 2025 11:22

Tgt Ion: 114 Resp: 364170
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 44.2
 88 17.6 0.0 35.6

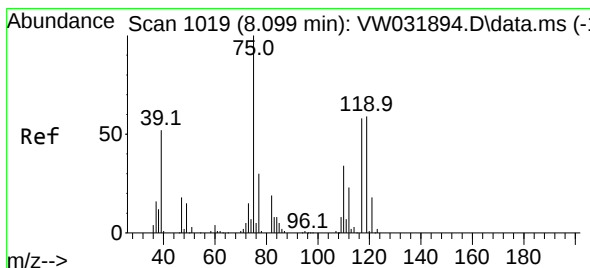
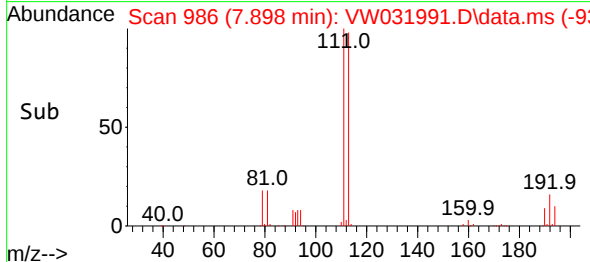
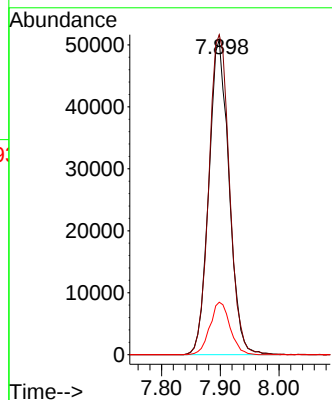
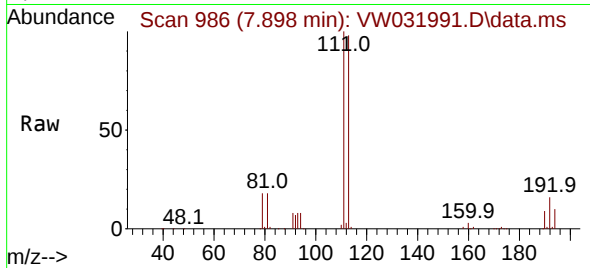




#35
 Dibromofluoromethane
 Concen: 49.003 ug/l
 RT: 7.898 min Scan# 991
 Delta R.T. -0.006 min
 Lab File: VW031991.D
 Acq: 04 Aug 2025 11:22

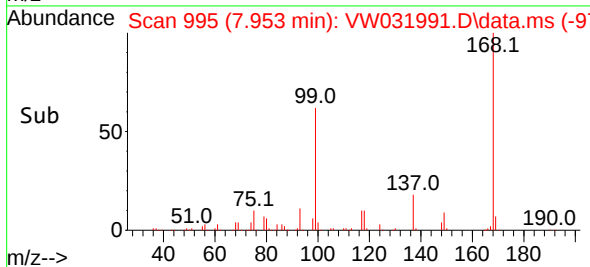
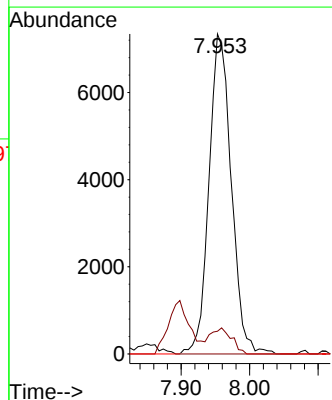
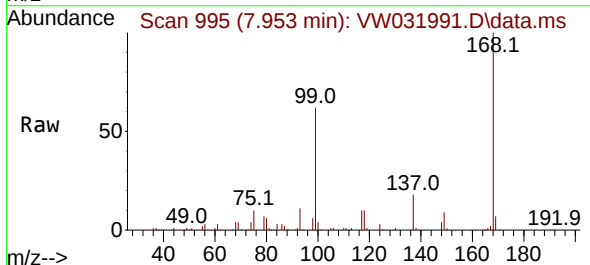
Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-OG2-073125RE

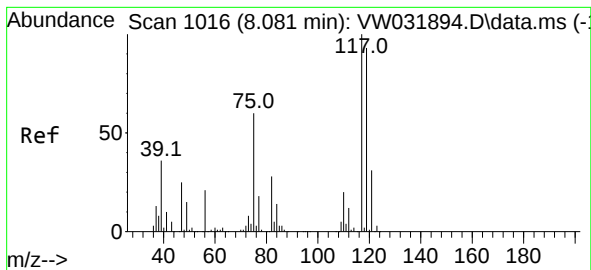
Tgt Ion: 113 Resp: 121261
 Ion Ratio Lower Upper
 113 100
 111 103.7 79.9 119.9
 192 16.6 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 4.368 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.146 min
 Lab File: VW031991.D
 Acq: 04 Aug 2025 11:22

Tgt Ion: 75 Resp: 16598
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.0 50.9#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.429 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031991.D

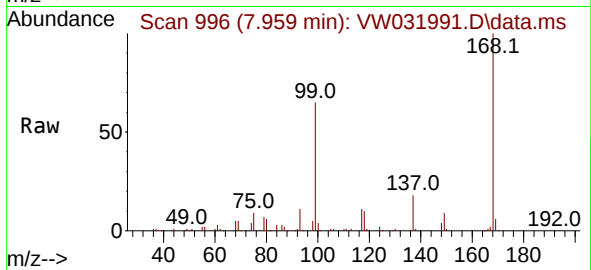
Acq: 04 Aug 2025 11:22

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-GRILLO-OG2-073125RE



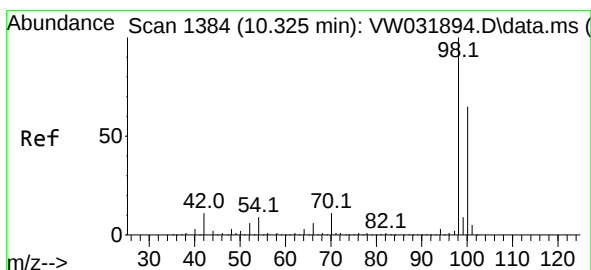
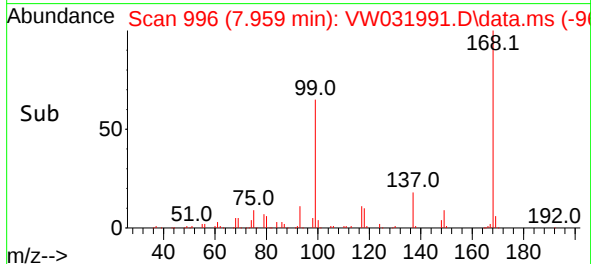
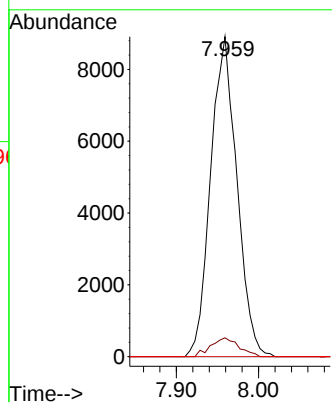
Tgt Ion: 117 Resp: 19799

Ion Ratio Lower Upper

117 100

119 5.9 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 45.850 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031991.D

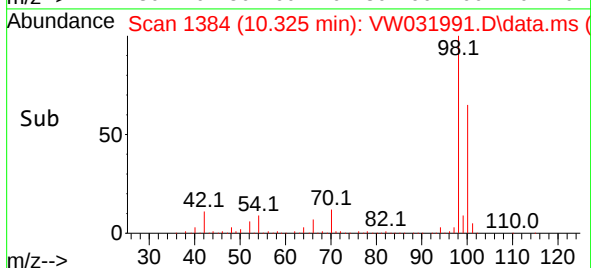
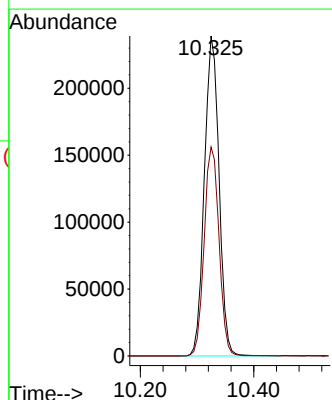
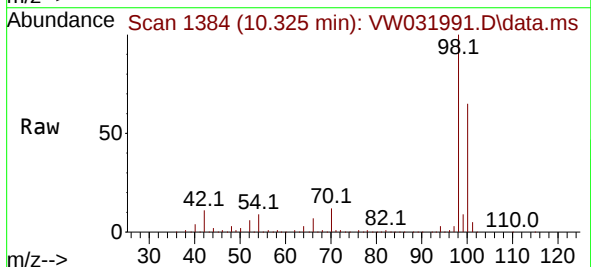
Acq: 04 Aug 2025 11:22

Tgt Ion: 98 Resp: 429410

Ion Ratio Lower Upper

98 100

100 66.2 51.7 77.5

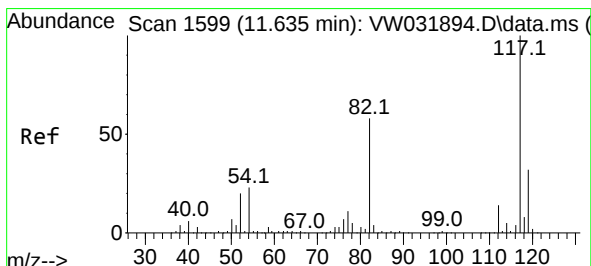
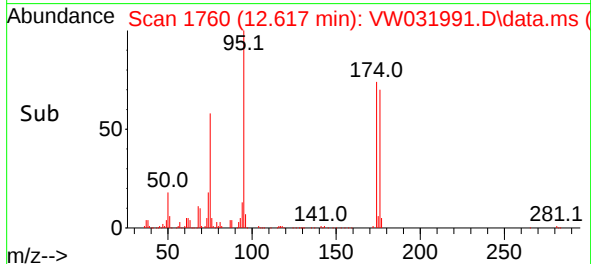
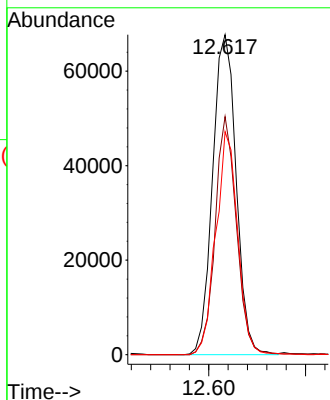
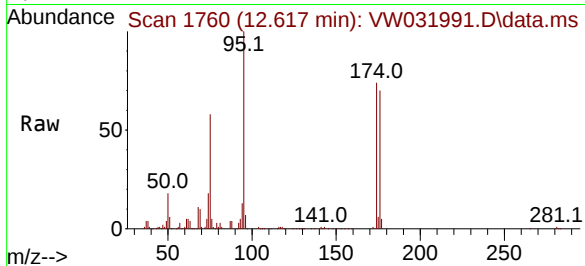




#62
4-Bromofluorobenzene
Concen: 31.859 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

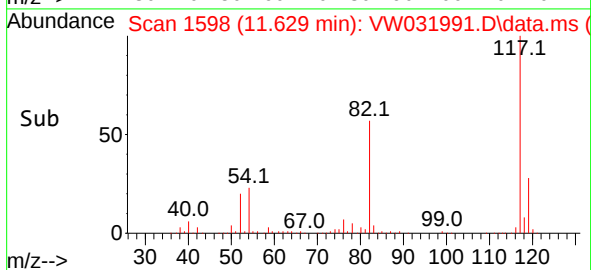
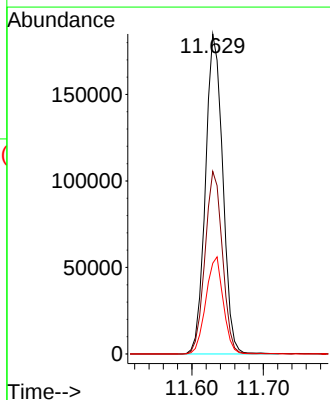
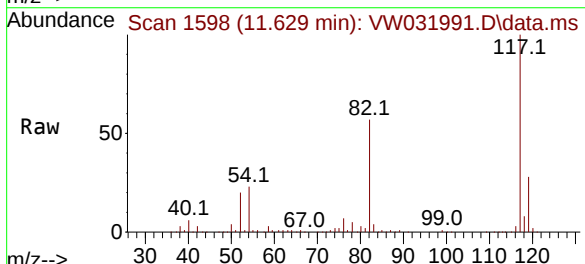
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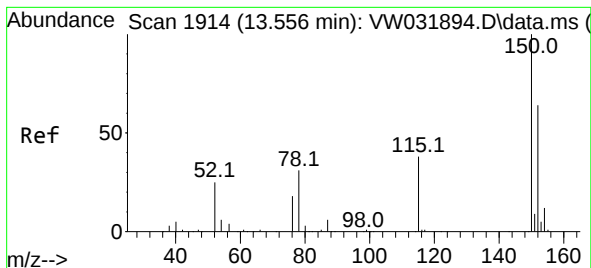
Tgt Ion:	95	Resp:	114570
Ion Ratio	Lower	Upper	
95	100		
174	67.3	0.0	129.8
176	64.8	0.0	130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Tgt Ion:	117	Resp:	310098
Ion Ratio	Lower	Upper	
117	100		
82	57.1	46.5	69.7
119	28.3	25.8	38.6

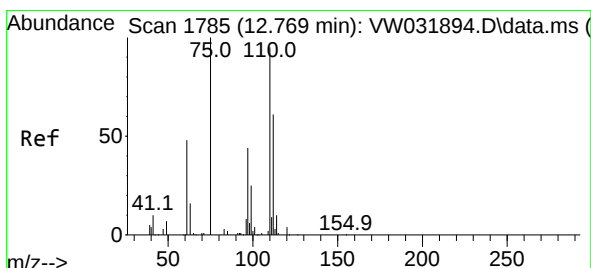
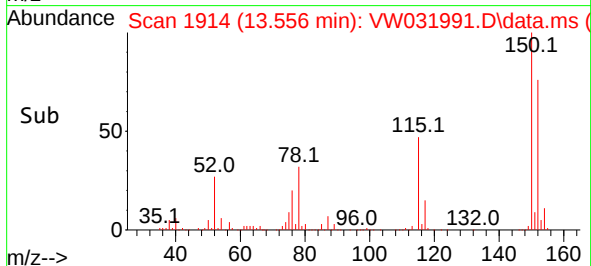
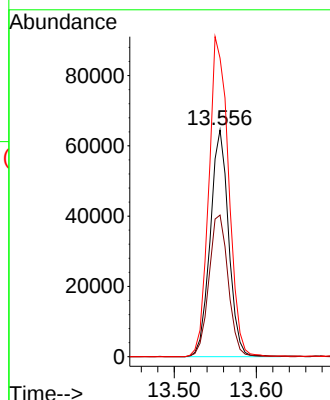
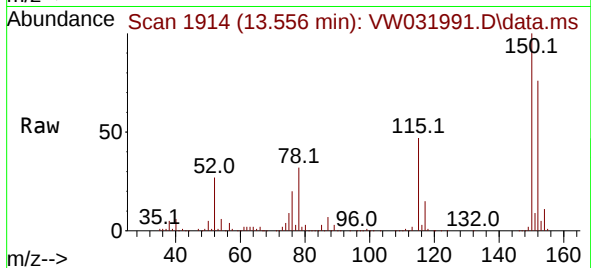




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

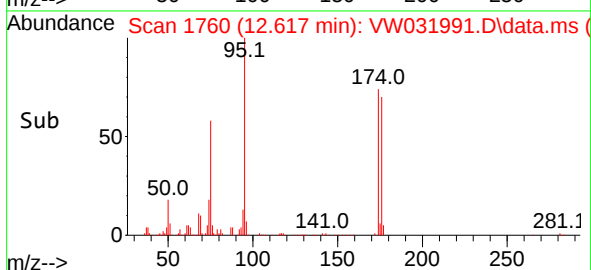
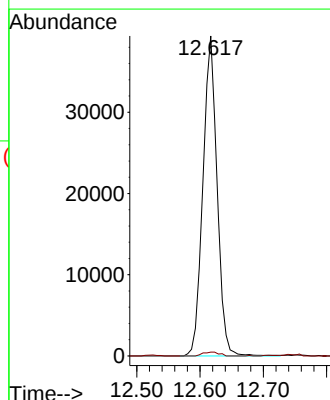
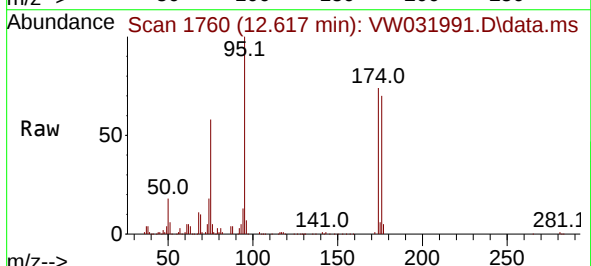
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

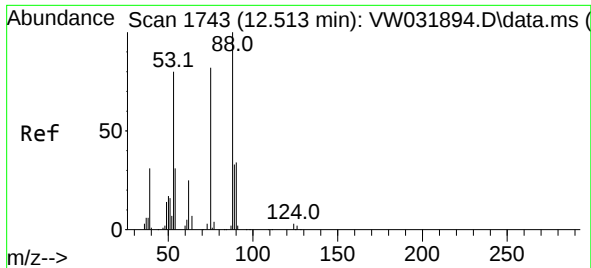
Tgt Ion:152 Resp: 100373
Ion Ratio Lower Upper
152 100
115 65.3 33.4 100.1
150 151.1 0.0 352.2



#76
1,2,3-Trichloropropane
Concen: 44.450 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

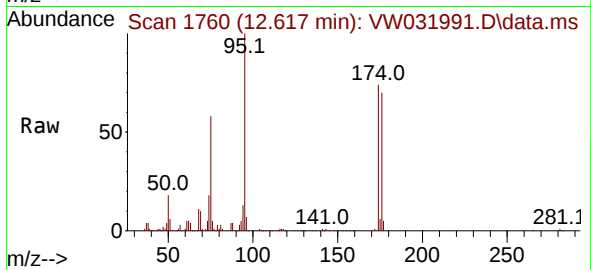
Tgt Ion: 75 Resp: 61599
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.623 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW031991.D
 Acq: 04 Aug 2025 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-OG2-073125RE



Tgt Ion: 75 Resp: 61599
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.7 125.5#
 89 0.0 39.0 58.6#

