

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW031993.D
 Acq On : 04 Aug 2025 12:06
 Operator : SY/MD
 Sample : Q2747-05
 Misc : 3.85g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-OG4-073125RE

Quant Time: Aug 05 01:17:07 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)

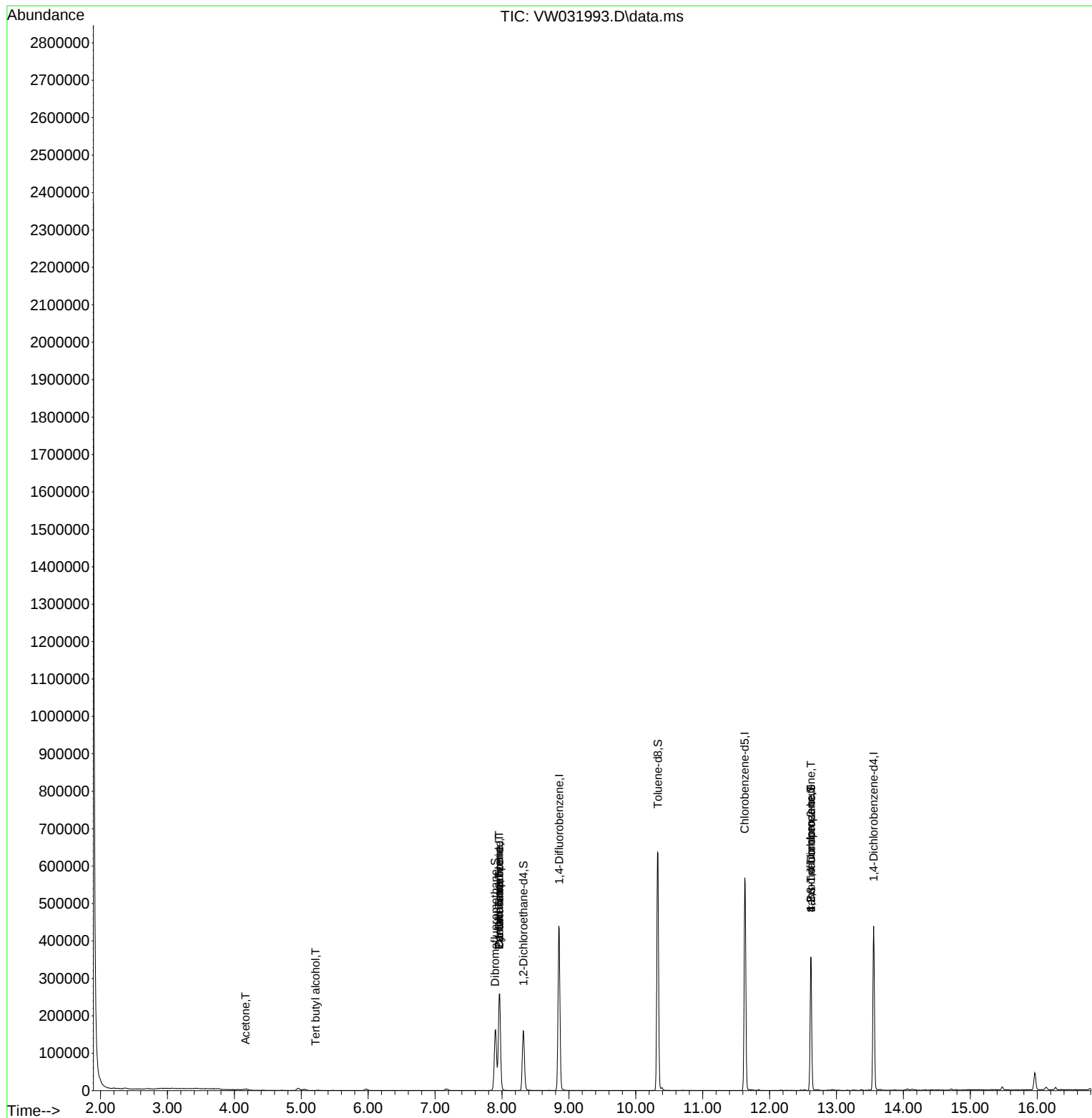
Internal Standards						
1) Pentafluorobenzene	7.959	168	184344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	375350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	319941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	110918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	132387	47.473	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	94.940%		
35) Dibromofluoromethane	7.898	113	121933	47.806	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	95.620%		
50) Toluene-d8	10.331	98	445150	46.115	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	92.240%		
62) 4-Bromofluorobenzene	12.617	95	129634	34.974	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	69.940%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	287	1.751	ug/l #	72
13) Acrolein	3.942	56	71	Below Cal	#	56
16) Acetone	4.167	43	2983	4.508	ug/l #	85
20) Methylene Chloride	4.960	84	5043	Below Cal		93
31) Cyclohexane	7.959	56	4321	1.010	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	16743	4.275	ug/l #	50
38) Carbon Tetrachloride	7.959	117	20789	5.530	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	64840	42.341	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	64840	97.753	ug/l #	8

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

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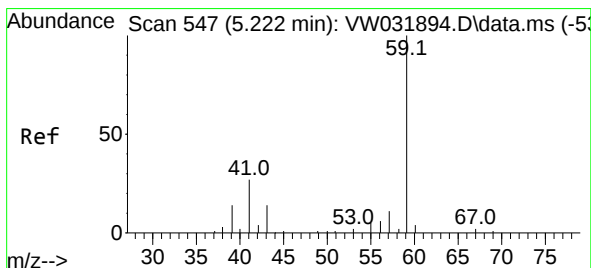
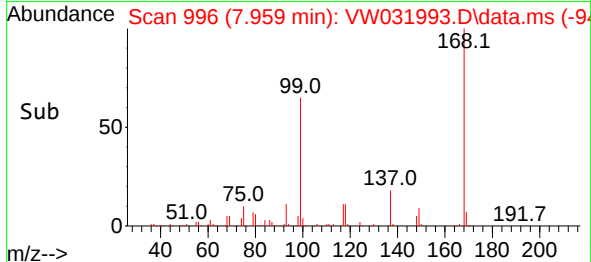
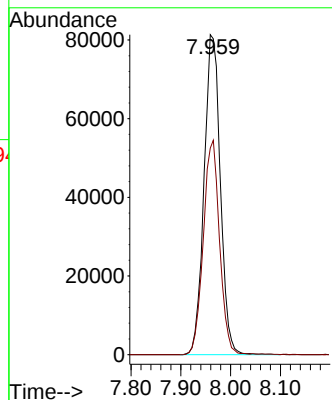
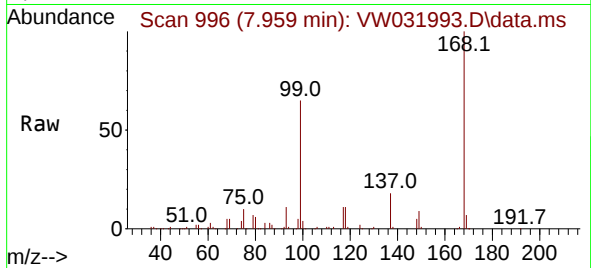




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

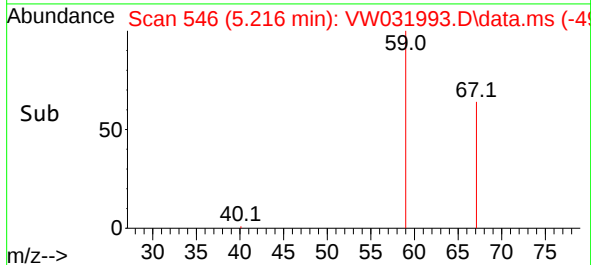
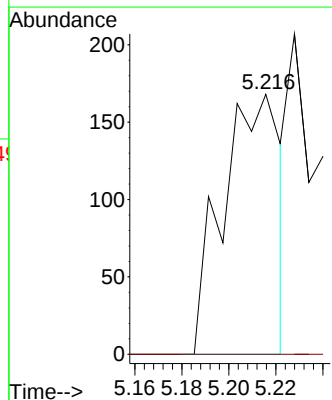
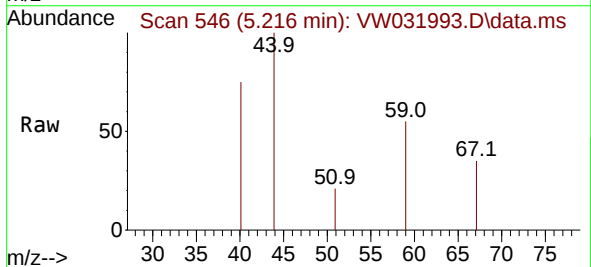
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125RE

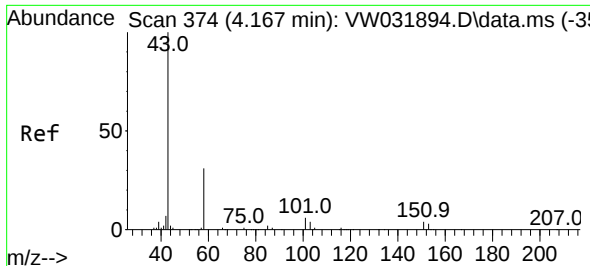
Tgt Ion:168 Resp: 184344
Ion Ratio Lower Upper
168 100
99 64.6 48.2 72.2



#11
Tert butyl alcohol
Concen: 1.751 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Tgt Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

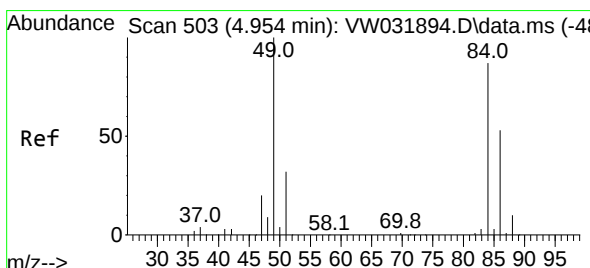
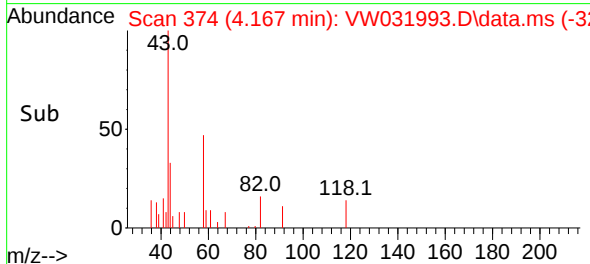
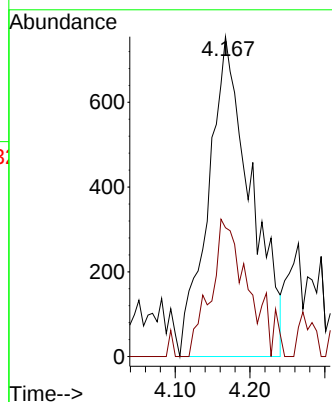
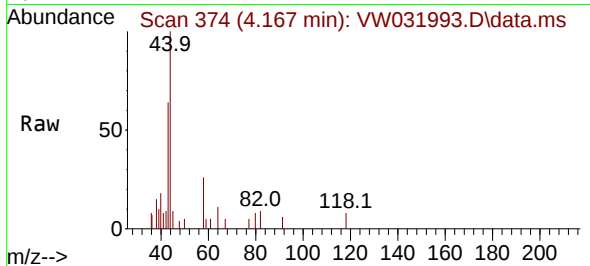




#16
Acetone
Concen: 4.508 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

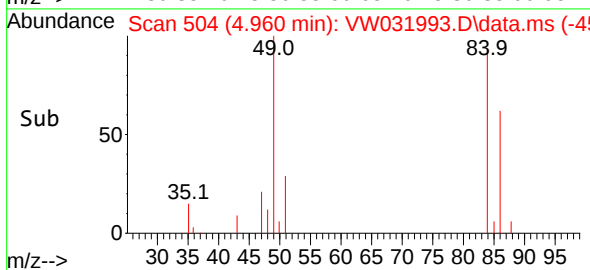
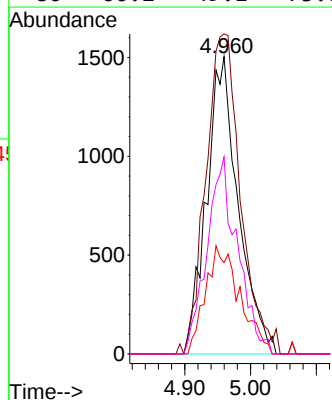
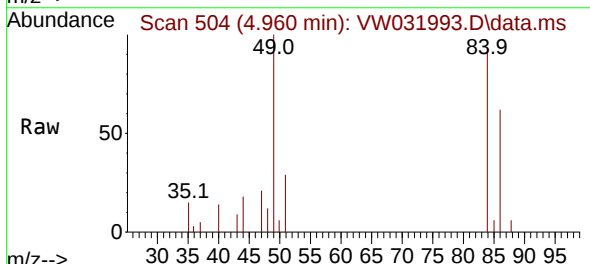
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125RE

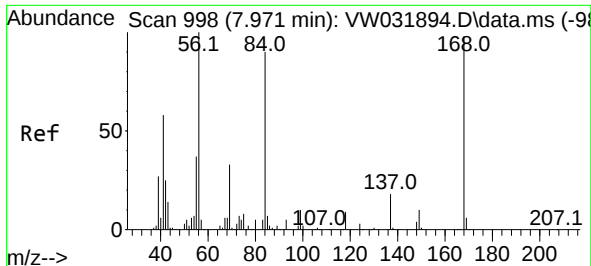
Tgt Ion: 43 Resp: 2983
Ion Ratio Lower Upper
43 100
58 40.3 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Tgt Ion: 84 Resp: 5043
Ion Ratio Lower Upper
84 100
49 107.6 91.9 137.9
51 30.7 29.0 43.6
86 66.2 49.1 73.7

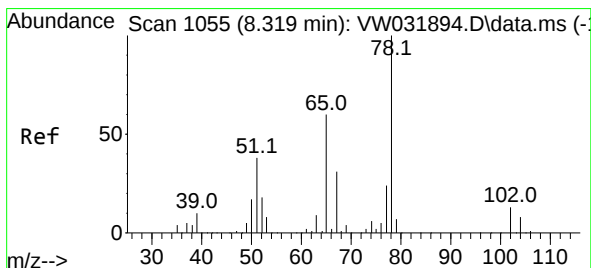
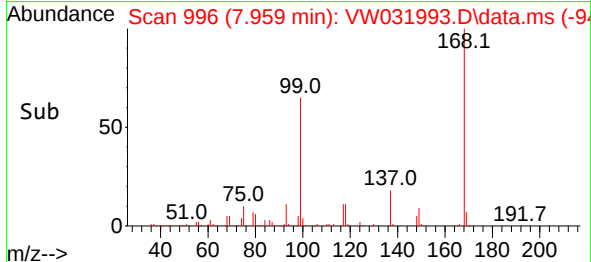
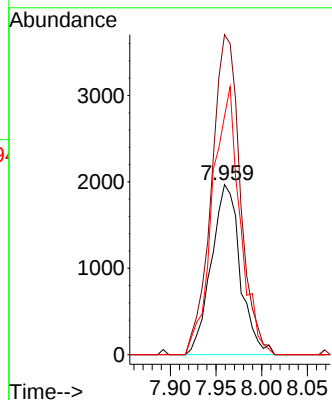
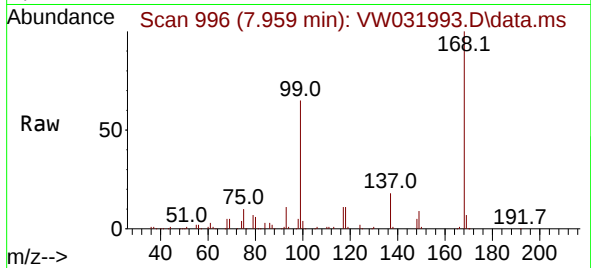




#31
Cyclohexane
Concen: 1.010 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

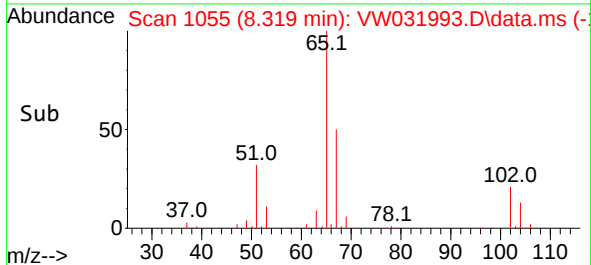
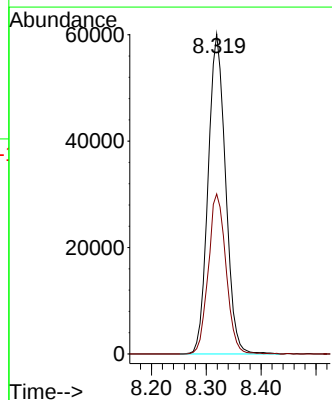
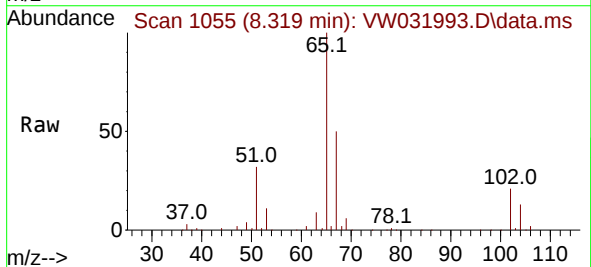
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125RE

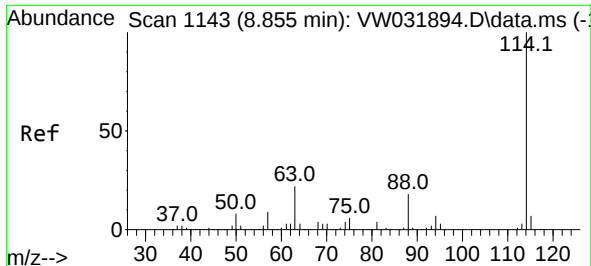
Tgt Ion: 56 Resp: 4321
Ion Ratio Lower Upper
56 100
69 188.2 26.7 40.1#
84 140.3 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 47.473 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Tgt Ion: 65 Resp: 132387
Ion Ratio Lower Upper
65 100
67 50.7 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: VW031993.D

Acq: 04 Aug 2025 12:06

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-GRILLO-OG4-073125RE

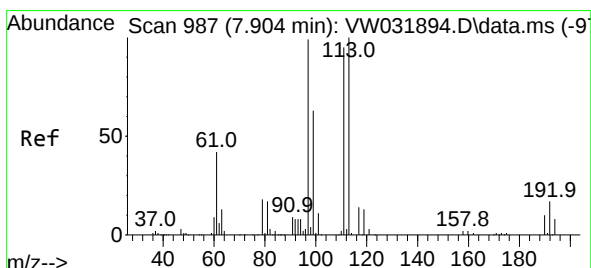
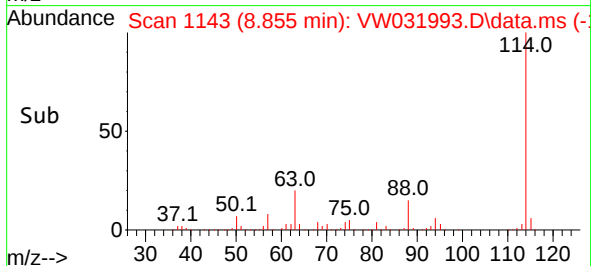
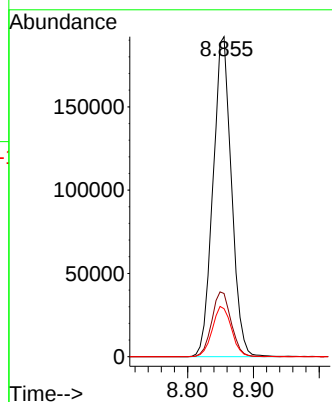
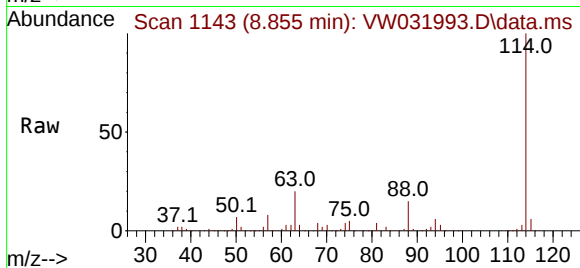
Tgt Ion:114 Resp: 375350

Ion Ratio Lower Upper

114 100

63 19.7 0.0 44.2

88 15.0 0.0 35.6



#35

Dibromofluoromethane

Concen: 47.806 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031993.D

Acq: 04 Aug 2025 12:06

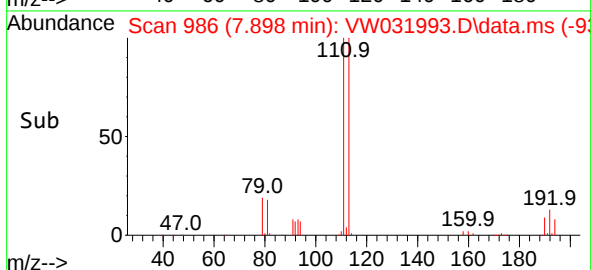
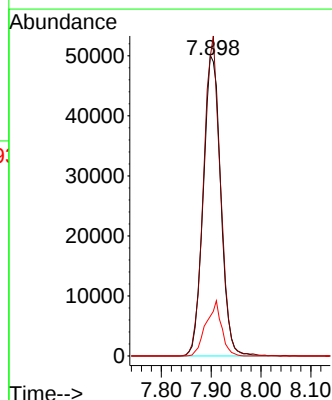
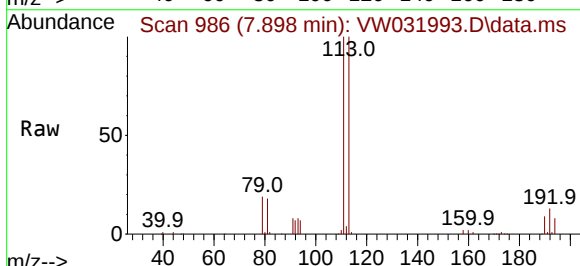
Tgt Ion:113 Resp: 121933

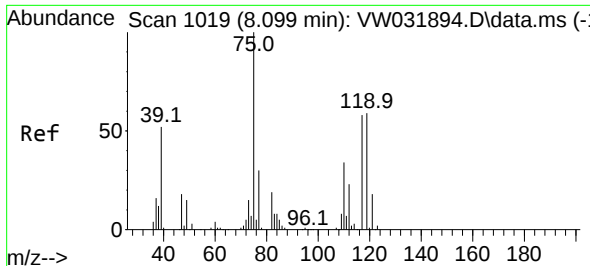
Ion Ratio Lower Upper

113 100

111 102.4 79.9 119.9

192 16.3 12.6 19.0





#36

1,1-Dichloropropene

Concen: 4.275 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW031993.D

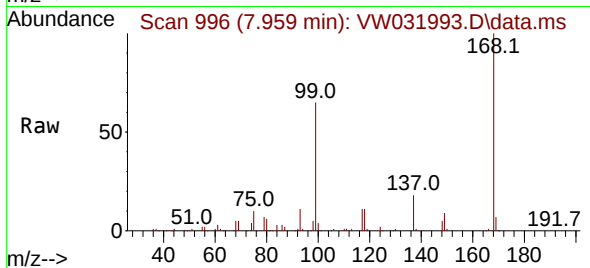
Acq: 04 Aug 2025 12:06

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-GRILLO-OG4-073125RE



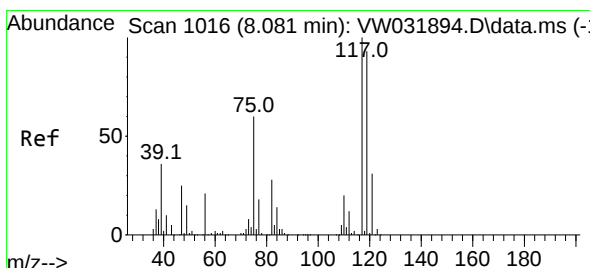
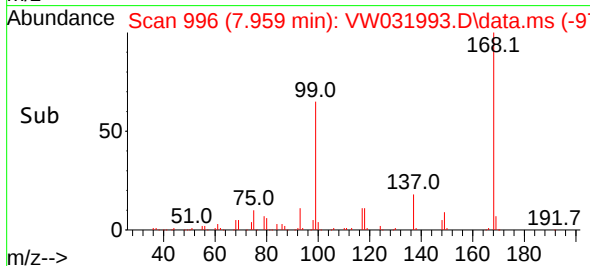
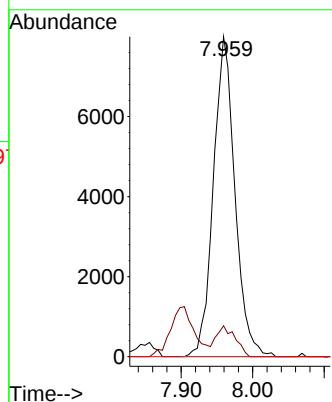
Tgt Ion: 75 Resp: 16743

Ion Ratio Lower Upper

75 100

110 8.4 17.0 50.9#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.530 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031993.D

Acq: 04 Aug 2025 12:06

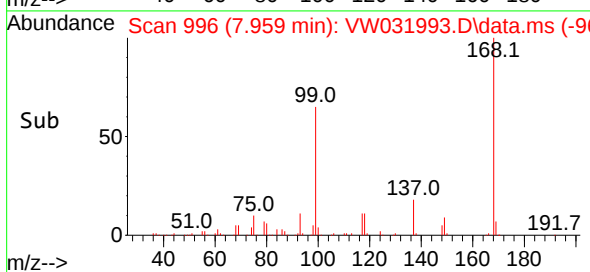
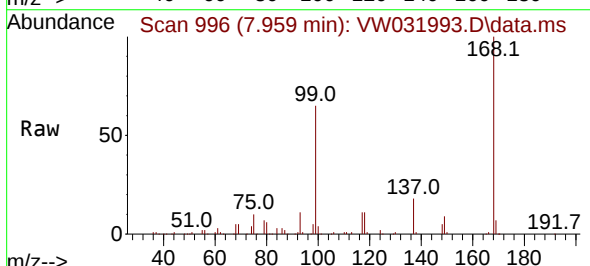
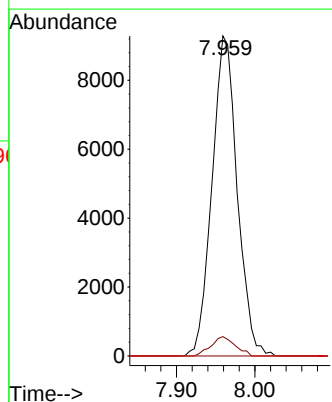
Tgt Ion: 117 Resp: 20789

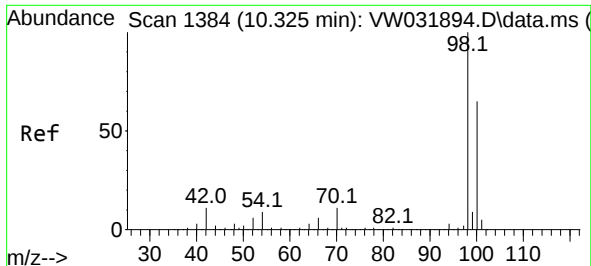
Ion Ratio Lower Upper

117 100

119 6.0 74.3 111.5#

121 0.0 24.6 37.0#

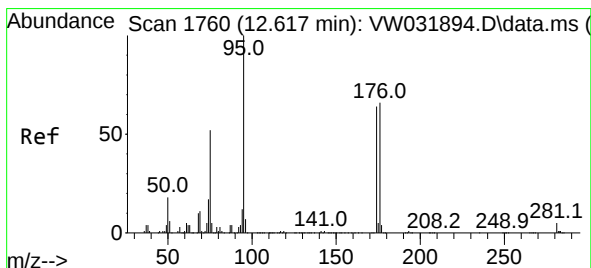
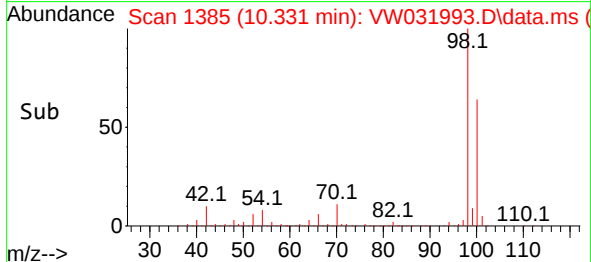
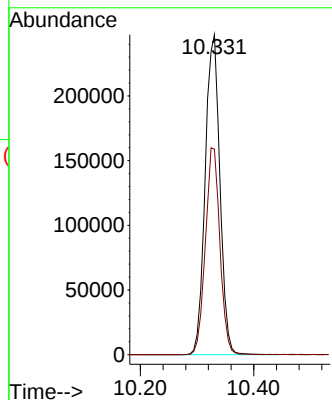
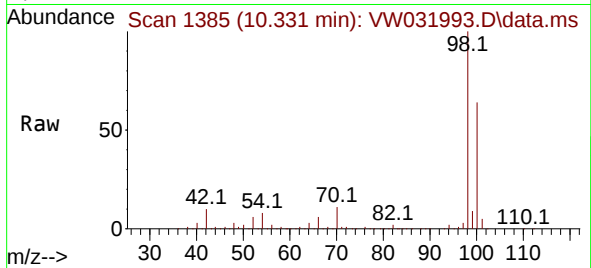




#50
Toluene-d8
Concen: 46.115 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

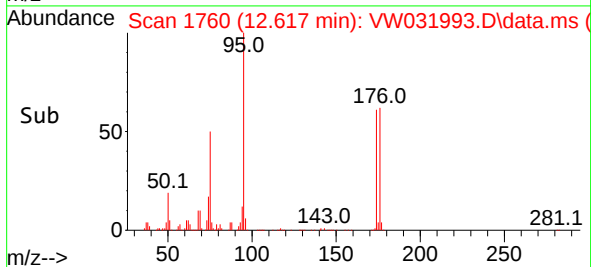
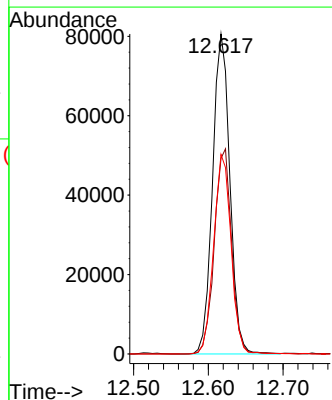
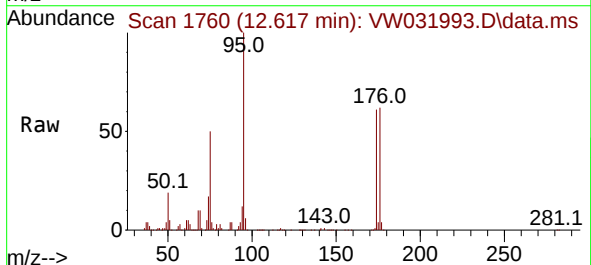
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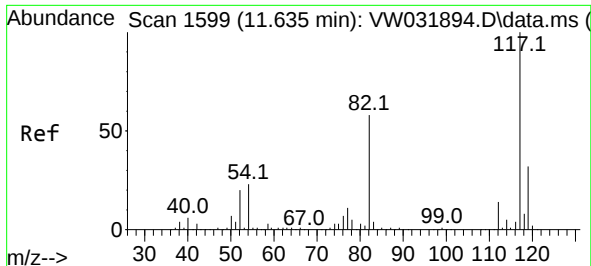
Tgt Ion: 98 Resp: 445150
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 34.974 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Tgt Ion: 95 Resp: 129634
Ion Ratio Lower Upper
95 100
174 64.0 0.0 129.8
176 62.7 0.0 130.4

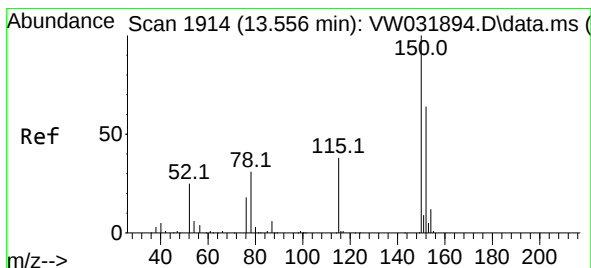
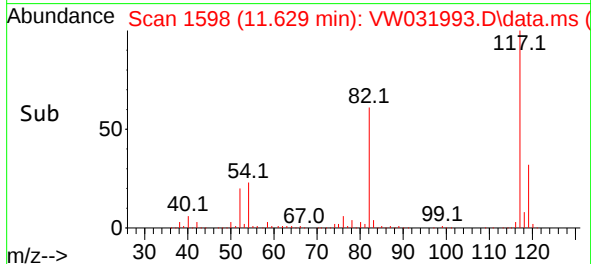
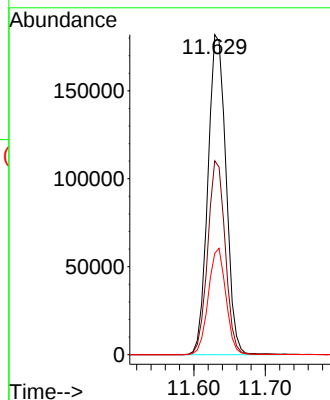
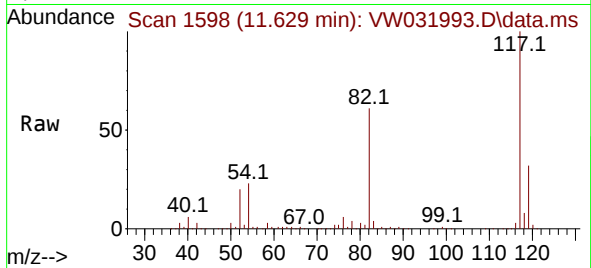




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

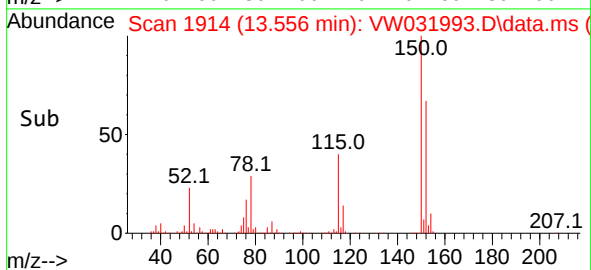
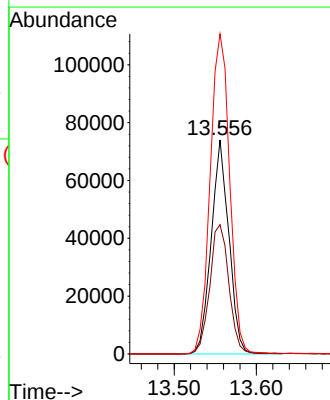
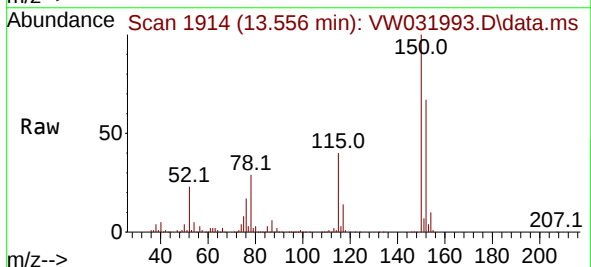
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125RE

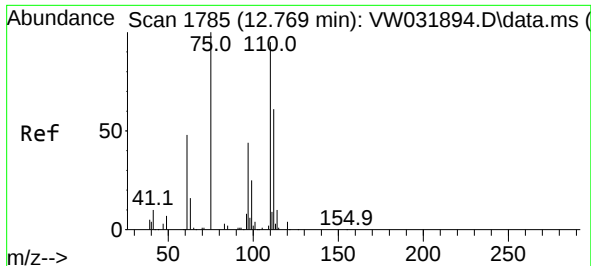
Tgt Ion:117 Resp: 319941
Ion Ratio Lower Upper
117 100
82 60.6 46.5 69.7
119 31.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Tgt Ion:152 Resp: 110918
Ion Ratio Lower Upper
152 100
115 65.3 33.4 100.1
150 164.3 0.0 352.2

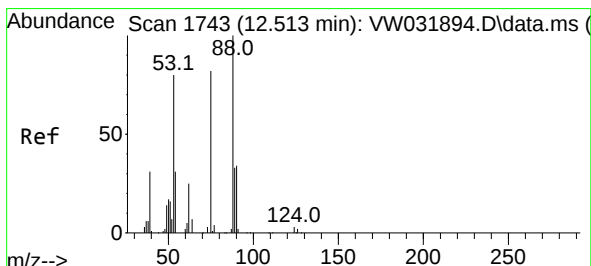
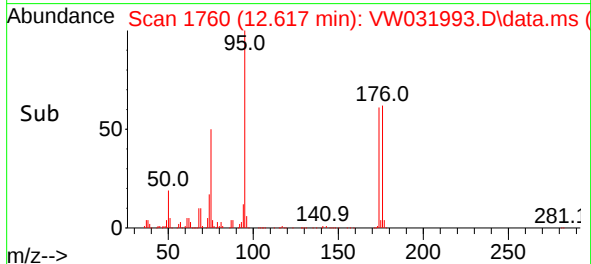
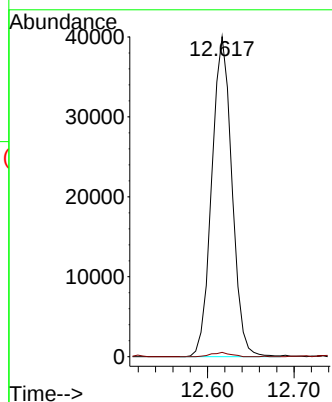
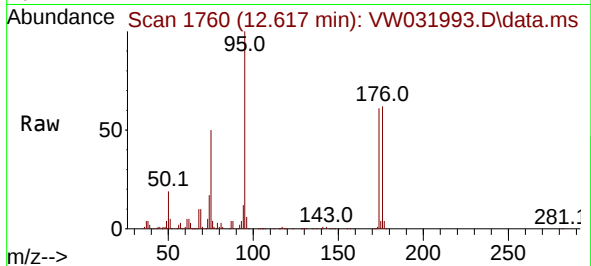




#76
1,2,3-Trichloropropane
Concen: 42.341 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125RE

Tgt Ion: 75 Resp: 64840
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.753 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Tgt Ion: 75 Resp: 64840
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 39.0 58.6#

