

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031979.D
 Acq On : 01 Aug 2025 12:40
 Operator : SY/MD
 Sample : Q2747-03
 Misc : 3.83g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-OG3-073125

Quant Time: Aug 01 23:11:48 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)

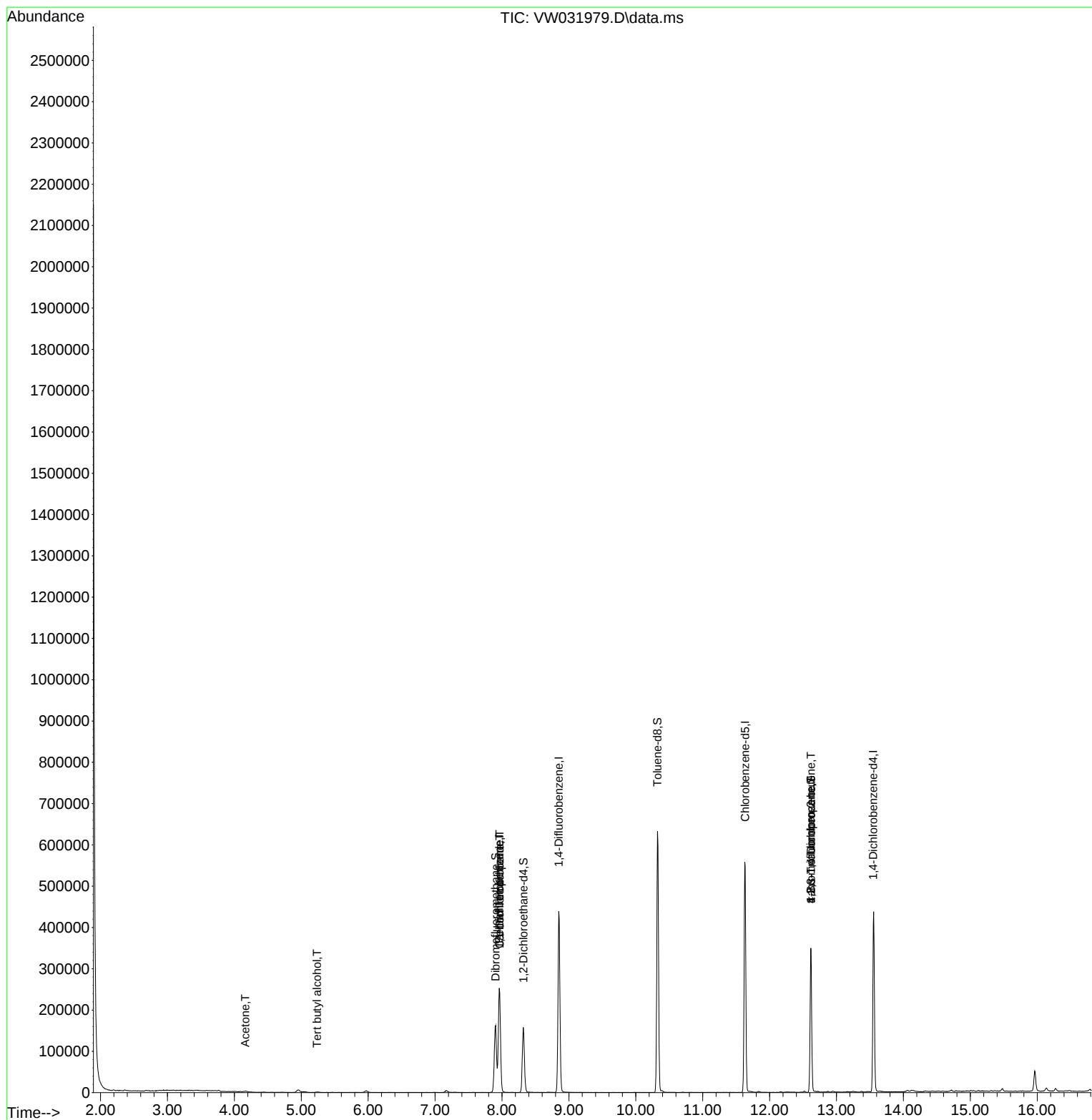
Internal Standards						
1) Pentafluorobenzene	7.959	168	177359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	372534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	301695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	108718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	128257	47.804	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	95.600%		
35) Dibromofluoromethane	7.904	113	120022	47.413	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	94.820%		
50) Toluene-d8	10.325	98	417902	43.620	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	87.240%		
62) 4-Bromofluorobenzene	12.617	95	126498	34.386	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	68.780%		
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.234	59	353	2.238	ug/l #	89
13) Acrolein	3.917	56	45	Below Cal	#	1
16) Acetone	4.161	43	1948	3.060	ug/l #	78
20) Methylene Chloride	4.960	84	5279	Below Cal	#	84
36) 1,1-Dichloropropene	7.965	75	16107	4.143	ug/l #	50
38) Carbon Tetrachloride	7.965	117	20070	5.379	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	65691	43.764	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	65691	101.040	ug/l #	8

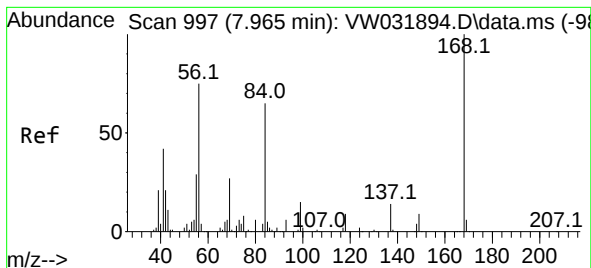
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
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ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Quant Time: Aug 01 23:11:48 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 997

Delta R.T. -0.006 min

Lab File: VW031979.D

Acq: 01 Aug 2025 12:40

Instrument :

MSVOA_W

ClientSampleId :

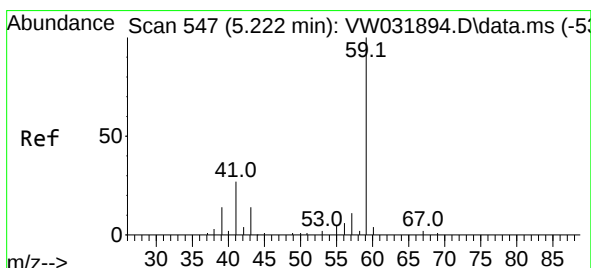
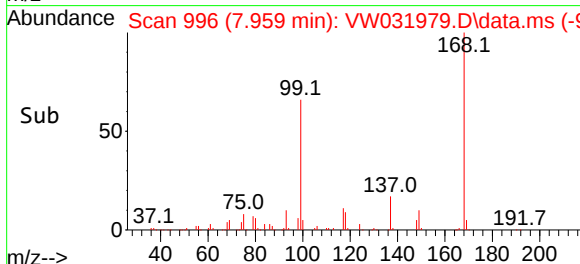
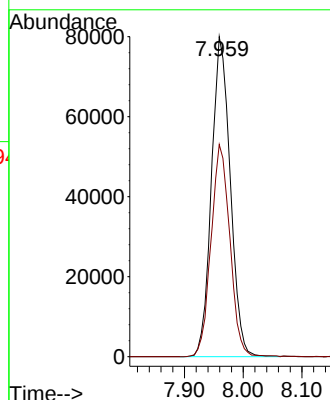
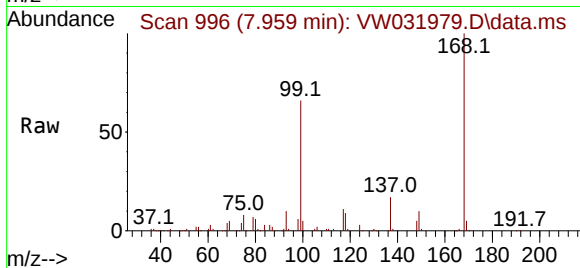
OU4-TS-GRILLO-OG3-073125

Tgt Ion:168 Resp: 177359

Ion Ratio Lower Upper

168 100

99 66.3 48.2 72.2



#11

Tert butyl alcohol

Concen: 2.238 ug/l

RT: 5.234 min Scan# 549

Delta R.T. 0.012 min

Lab File: VW031979.D

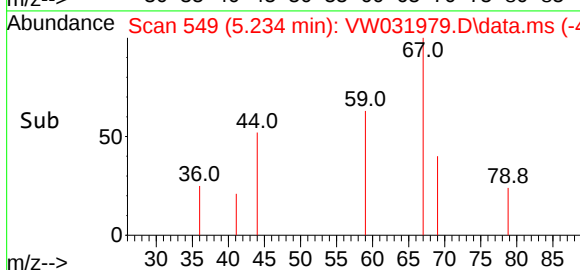
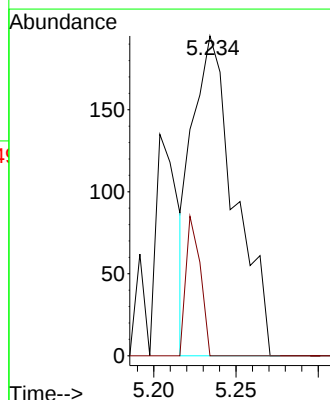
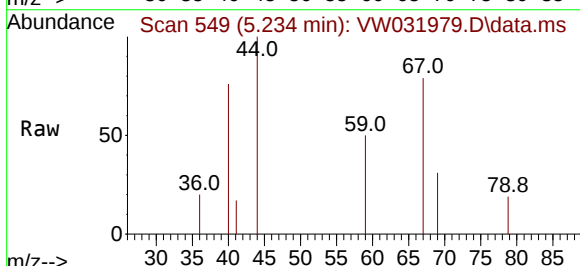
Acq: 01 Aug 2025 12:40

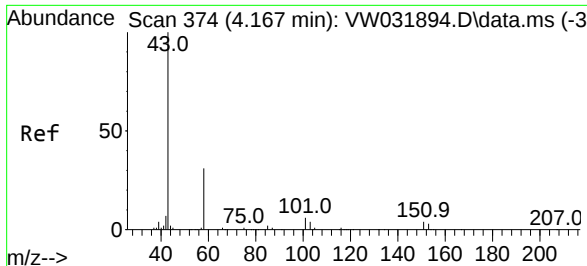
Tgt Ion: 59 Resp: 353

Ion Ratio Lower Upper

59 100

57 14.7 8.6 12.8#

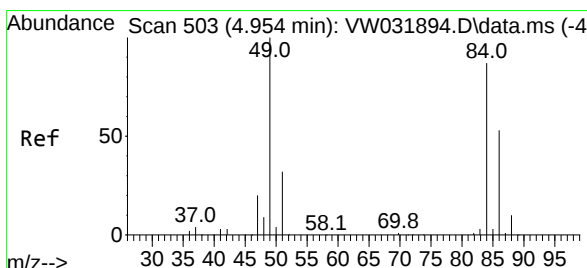
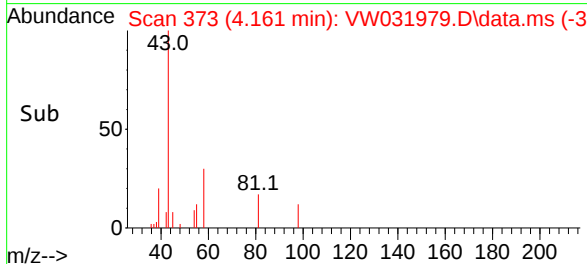
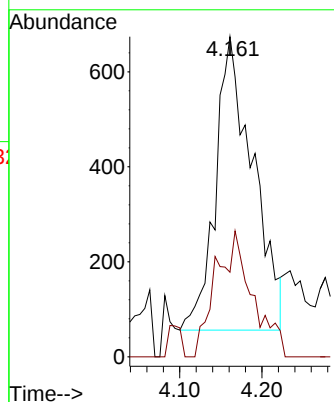
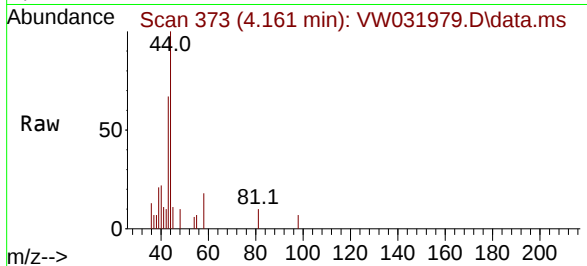




#16
Acetone
Concen: 3.060 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW031979.D
Acq: 01 Aug 2025 12:40

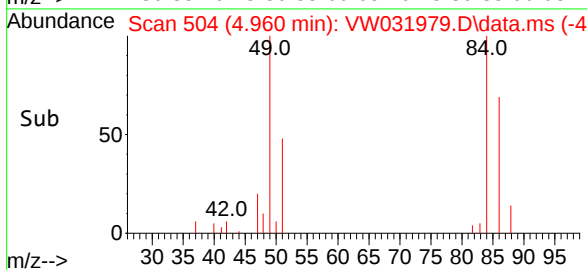
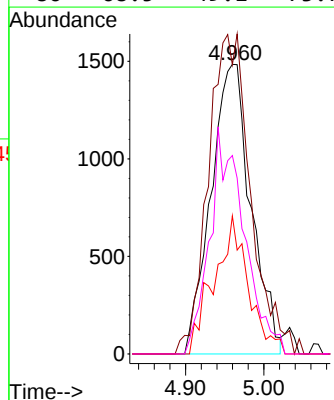
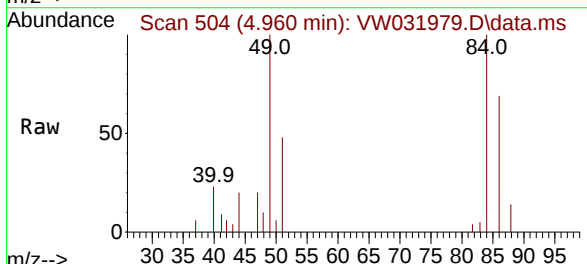
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

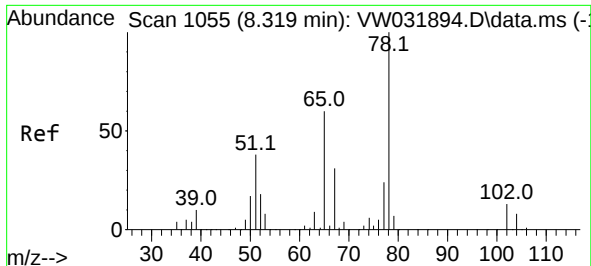
Tgt Ion: 43 Resp: 1948
Ion Ratio Lower Upper
43 100
58 19.9 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW031979.D
Acq: 01 Aug 2025 12:40

Tgt Ion: 84 Resp: 5279
Ion Ratio Lower Upper
84 100
49 95.2 91.9 137.9
51 47.7 29.0 43.6#
86 68.5 49.1 73.7





#33

1,2-Dichloroethane-d4

Concen: 47.804 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031979.D

Acq: 01 Aug 2025 12:40

Instrument :

MSVOA_W

ClientSampleId :

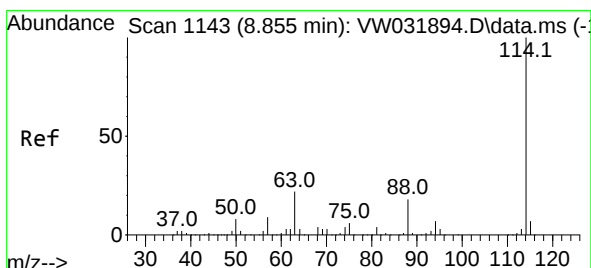
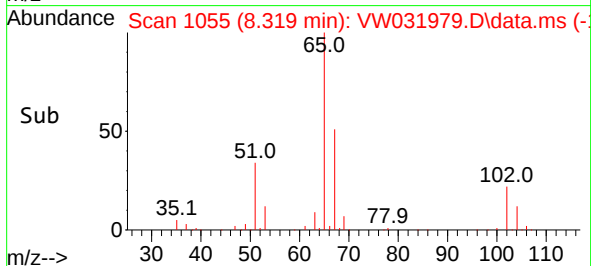
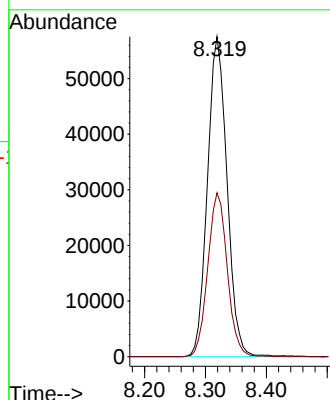
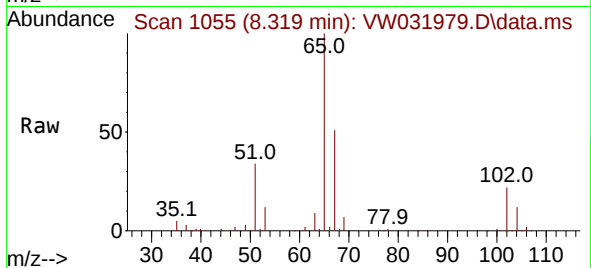
OU4-TS-GRILLO-OG3-073125

Tgt Ion: 65 Resp: 128257

Ion Ratio Lower Upper

65 100

67 51.1 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: VW031979.D

Acq: 01 Aug 2025 12:40

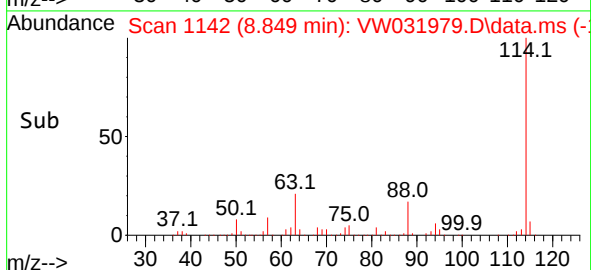
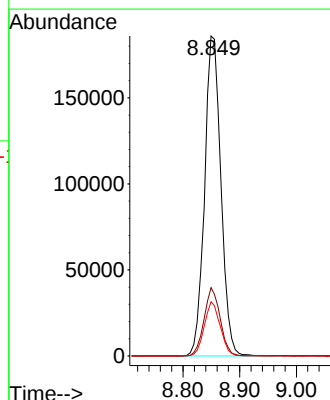
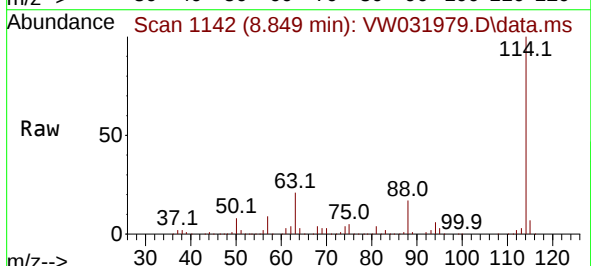
Tgt Ion: 114 Resp: 372534

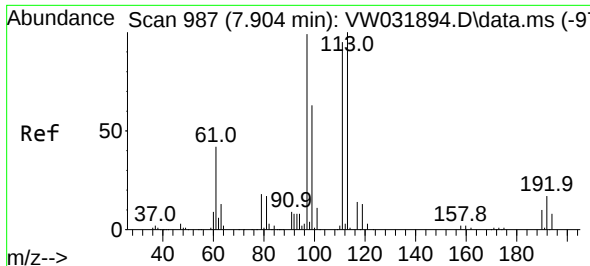
Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.2

88 17.0 0.0 35.6

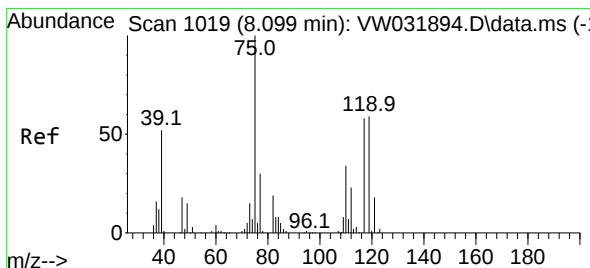
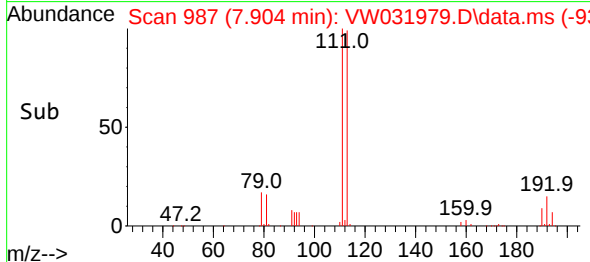
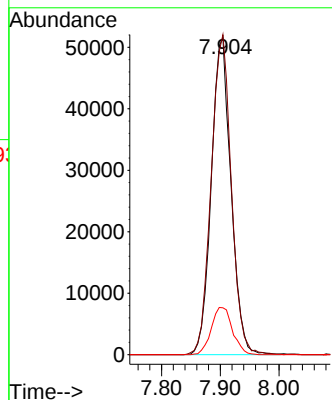
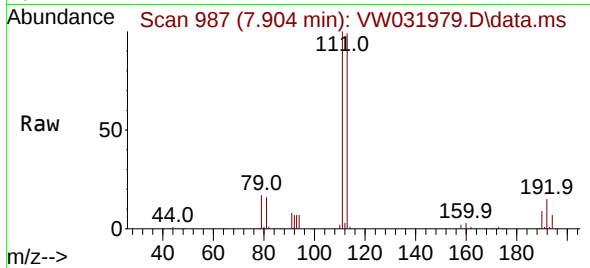




#35
 Dibromofluoromethane
 Concen: 47.413 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VW031979.D
 Acq: 01 Aug 2025 12:40

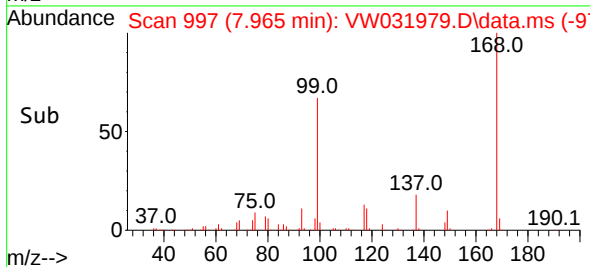
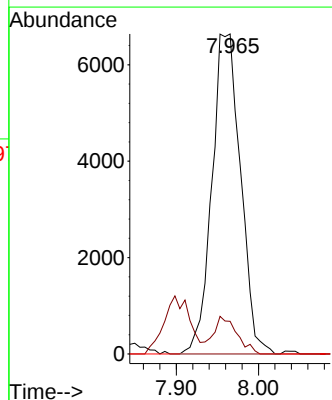
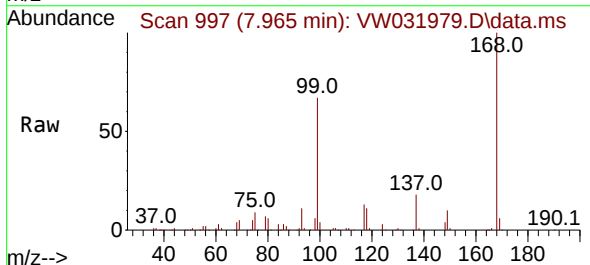
Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-OG3-073125

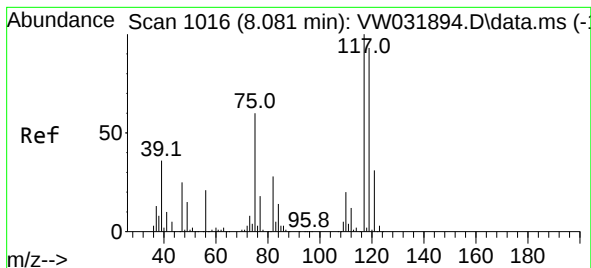
Tgt Ion: 113 Resp: 120022
 Ion Ratio Lower Upper
 113 100
 111 102.9 79.9 119.9
 192 16.0 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 4.143 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW031979.D
 Acq: 01 Aug 2025 12:40

Tgt Ion: 75 Resp: 16107
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.0 50.9#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.379 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW031979.D

Acq: 01 Aug 2025 12:40

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-GRILLO-OG3-073125

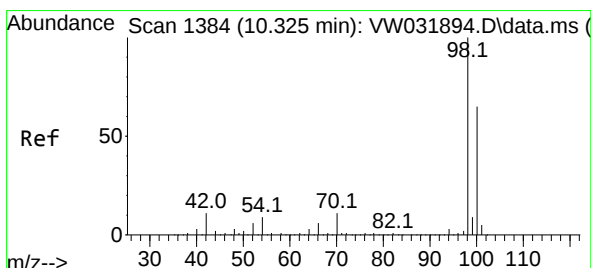
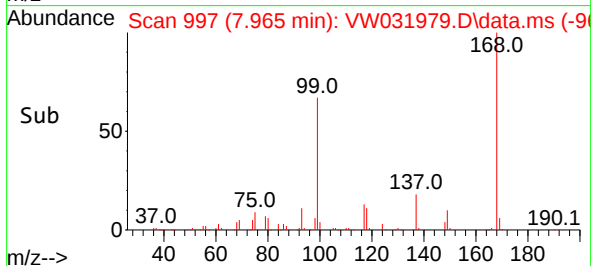
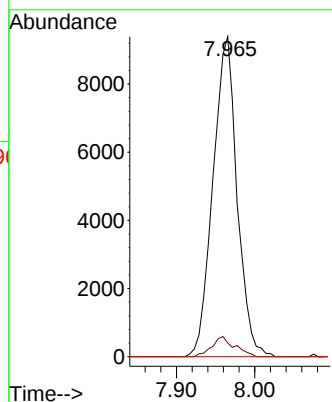
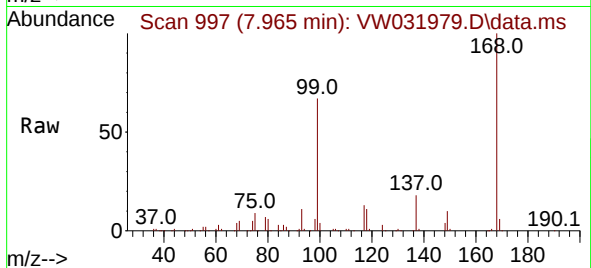
Tgt Ion:117 Resp: 20070

Ion Ratio Lower Upper

117 100

119 4.3 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 43.620 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031979.D

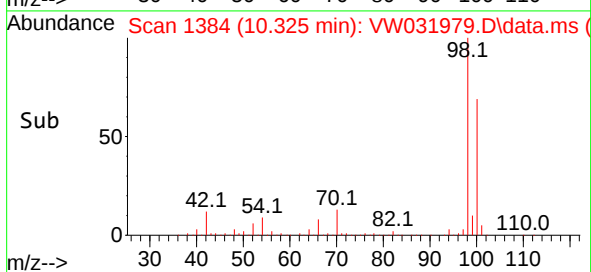
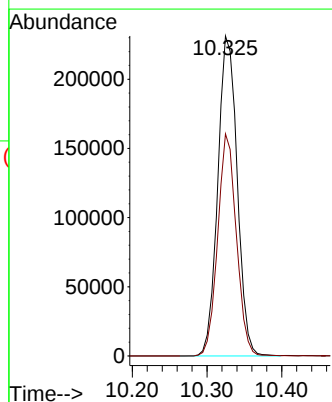
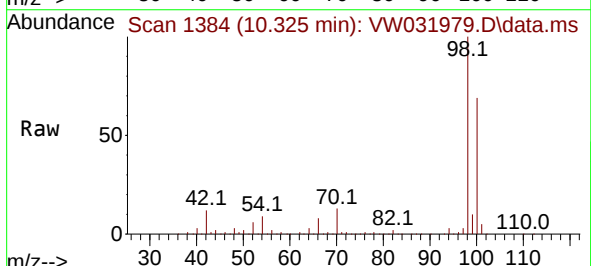
Acq: 01 Aug 2025 12:40

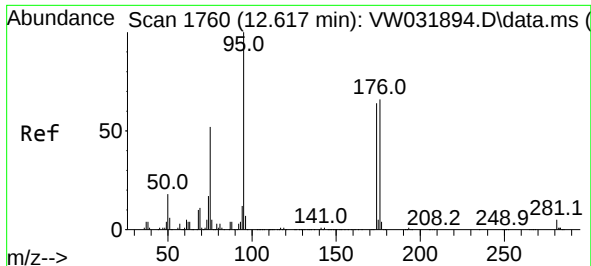
Tgt Ion: 98 Resp: 417902

Ion Ratio Lower Upper

98 100

100 66.7 51.7 77.5

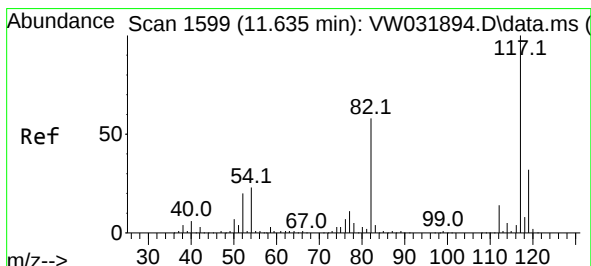
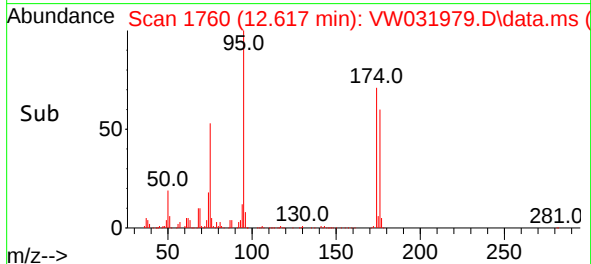
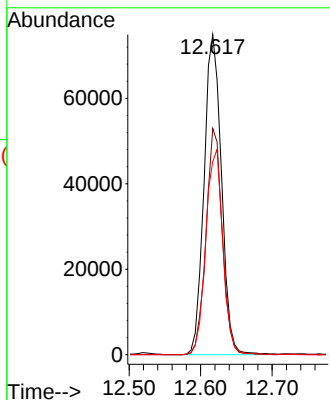
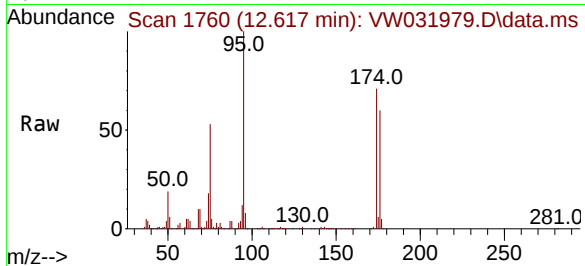




#62
4-Bromofluorobenzene
Concen: 34.386 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031979.D
Acq: 01 Aug 2025 12:40

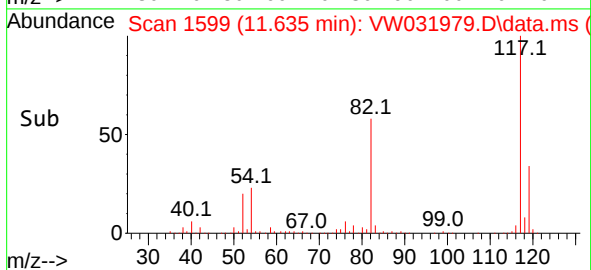
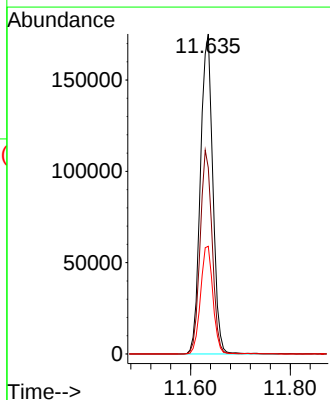
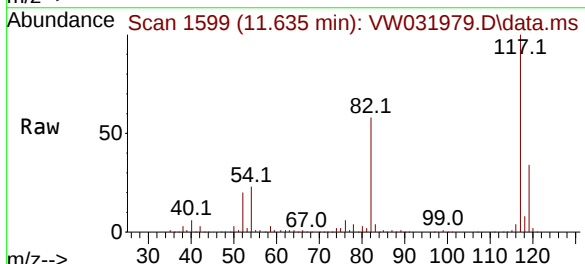
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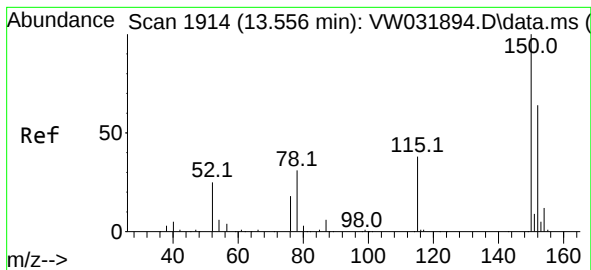
Tgt Ion: 95 Resp: 126498
Ion Ratio Lower Upper
95 100
174 66.0 0.0 129.8
176 63.1 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW031979.D
Acq: 01 Aug 2025 12:40

Tgt Ion: 117 Resp: 301695
Ion Ratio Lower Upper
117 100
82 58.2 46.5 69.7
119 33.6 25.8 38.6

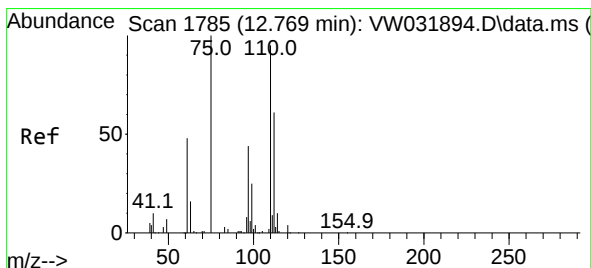
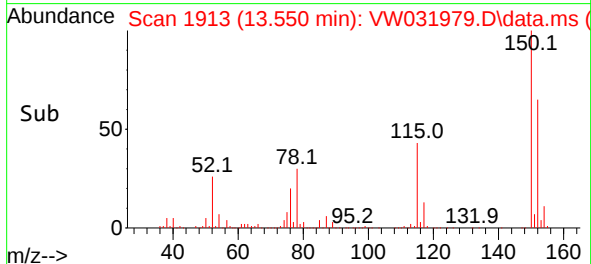
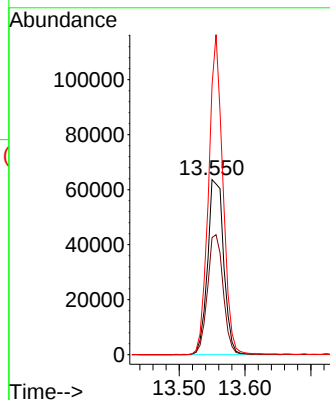
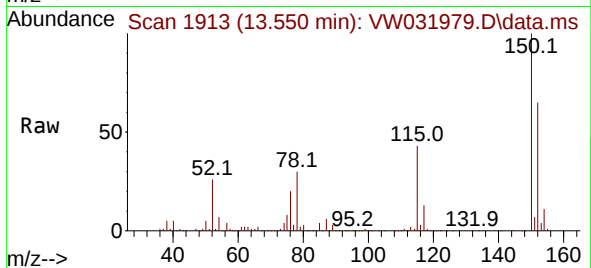




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.550 min Scan# 1914
 Delta R.T. -0.006 min
 Lab File: VW031979.D
 Acq: 01 Aug 2025 12:40

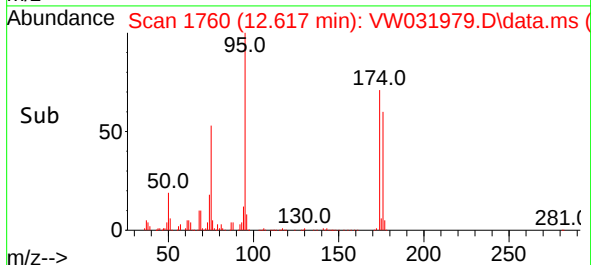
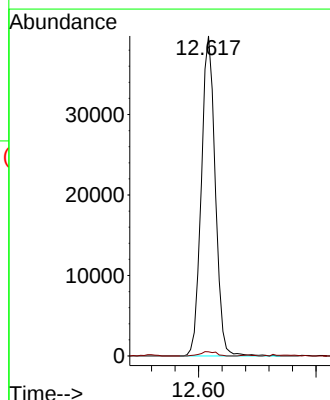
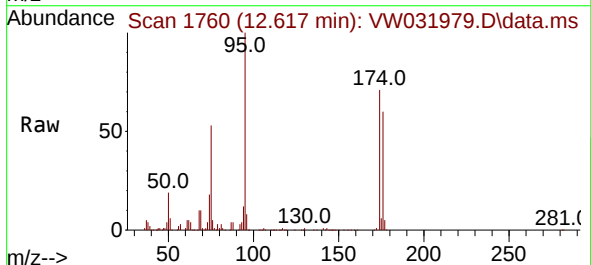
Instrument :
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 OU4-TS-GRILLO-OG3-073125

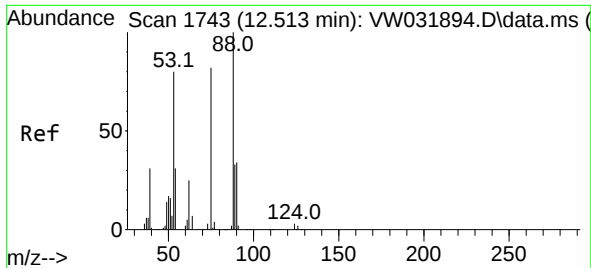
Tgt Ion:152 Resp: 108718
 Ion Ratio Lower Upper
 152 100
 115 67.0 33.4 100.1
 150 162.6 0.0 352.2



#76
 1,2,3-Trichloropropane
 Concen: 43.764 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.152 min
 Lab File: VW031979.D
 Acq: 01 Aug 2025 12:40

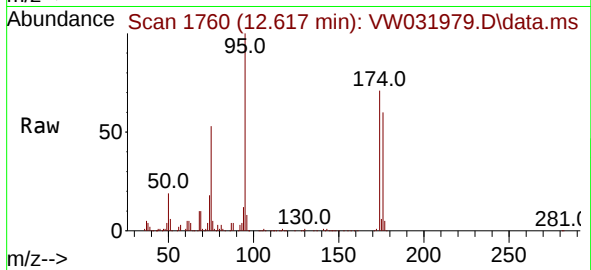
Tgt Ion: 75 Resp: 65691
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.040 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW031979.D
 Acq: 01 Aug 2025 12:40

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-OG3-073125



Tgt Ion: 75 Resp: 65691
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.7 125.5#
 89 0.0 39.0 58.6#

