

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031980.D
 Acq On : 01 Aug 2025 13:02
 Operator : SY/MD
 Sample : Q2747-05
 Misc : 4.11g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 01 23:12:15 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)

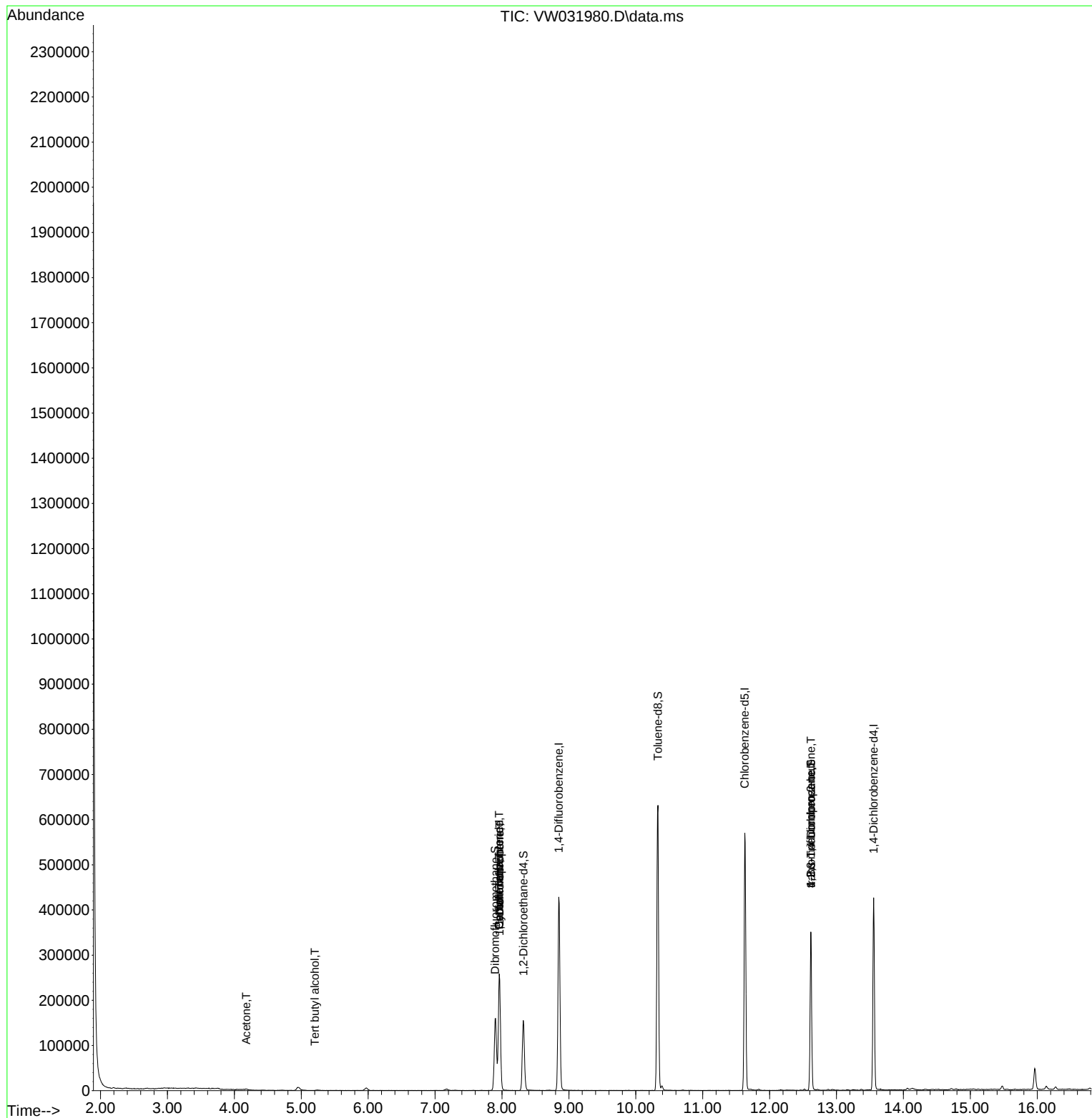
Internal Standards						
1) Pentafluorobenzene	7.959	168	176395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	371246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	309612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	107269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	127888	47.927	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	95.860%
35) Dibromofluoromethane	7.898	113	116760	46.284	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.560%
50) Toluene-d8	10.331	98	434704	45.531	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.060%
62) 4-Bromofluorobenzene	12.617	95	122959	33.540	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	67.080%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.204	59	200	1.275	ug/l #	72
13) Acrolein	3.954	56	59	Below Cal	#	1
16) Acetone	4.179	43	2386	3.768	ug/l	90
20) Methylene Chloride	4.942	84	6406	Below Cal	#	86
31) Cyclohexane	7.959	56	4458	1.089	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	16115	4.160	ug/l #	51
38) Carbon Tetrachloride	7.959	117	20189	5.430	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	63601	42.944	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	63601	99.146	ug/l #	8

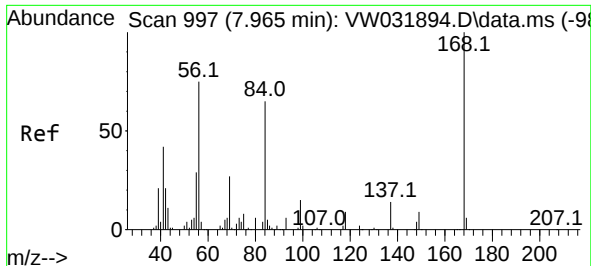
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-TS-GRILLO-OG4-073125

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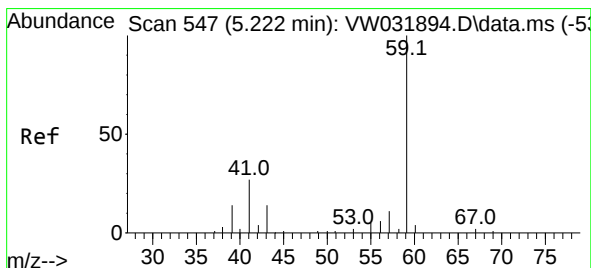
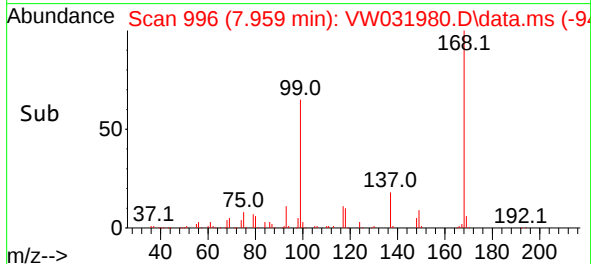
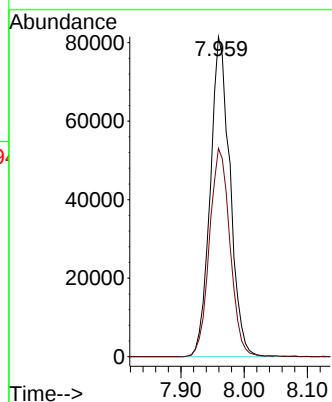
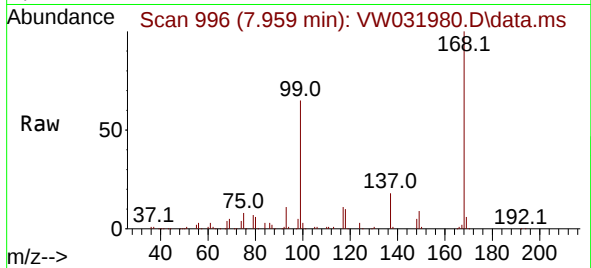




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

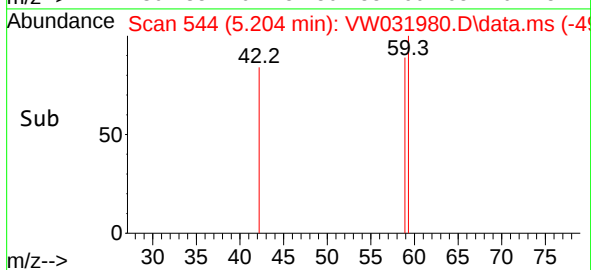
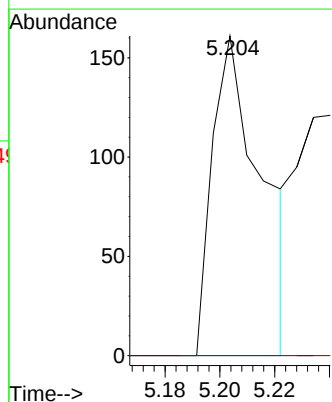
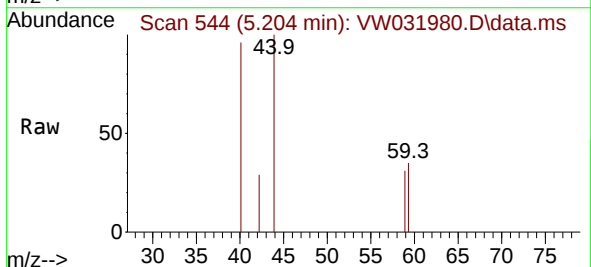
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

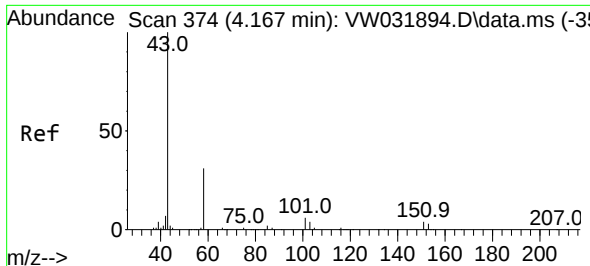
Tgt Ion:168 Resp: 176395
Ion Ratio Lower Upper
168 100
99 65.1 48.2 72.2



#11
Tert butyl alcohol
Concen: 1.275 ug/l
RT: 5.204 min Scan# 544
Delta R.T. -0.018 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

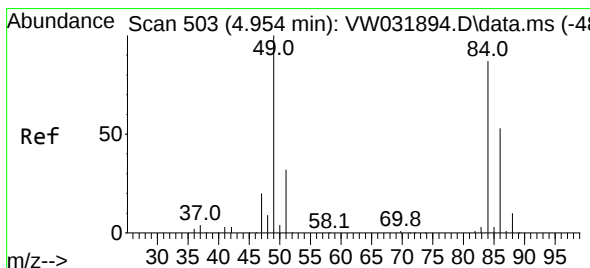
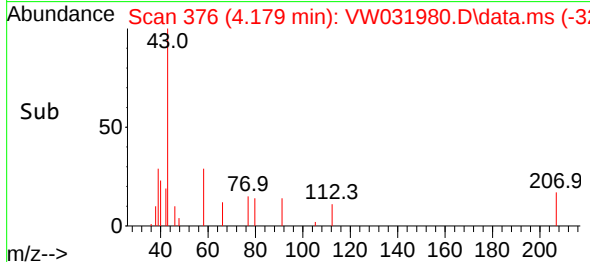
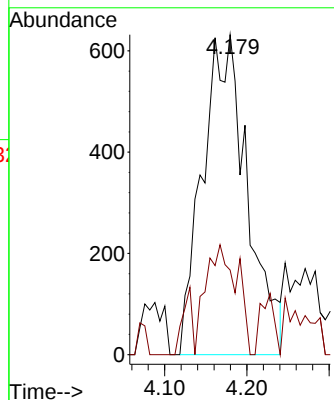
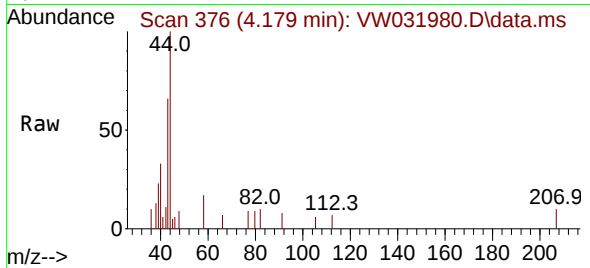




#16
Acetone
Concen: 3.768 ug/l
RT: 4.179 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

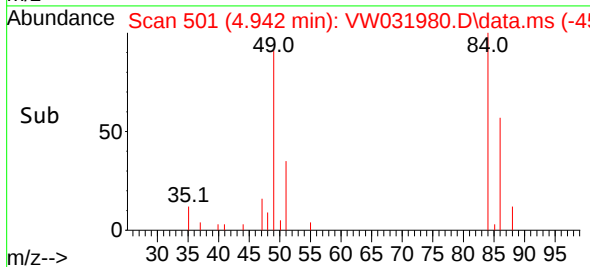
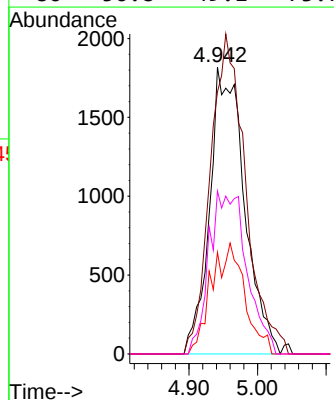
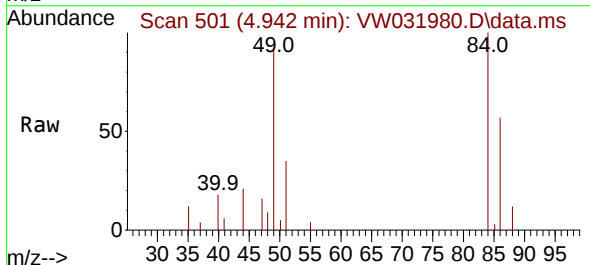
Instrument :
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OU4-TS-GRILLO-OG4-073125

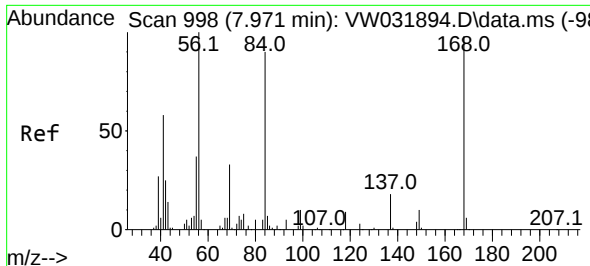
Tgt Ion: 43 Resp: 2386
Ion Ratio Lower Upper
43 100
58 26.4 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.942 min Scan# 501
Delta R.T. -0.012 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Tgt Ion: 84 Resp: 6406
Ion Ratio Lower Upper
84 100
49 91.4 91.9 137.9#
51 35.4 29.0 43.6
86 56.8 49.1 73.7

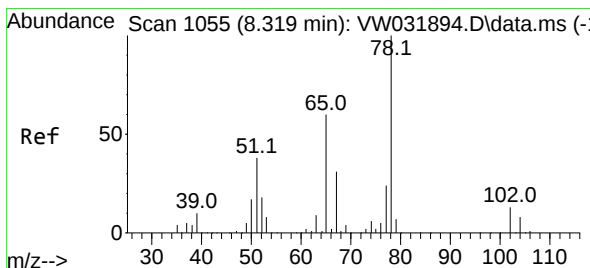
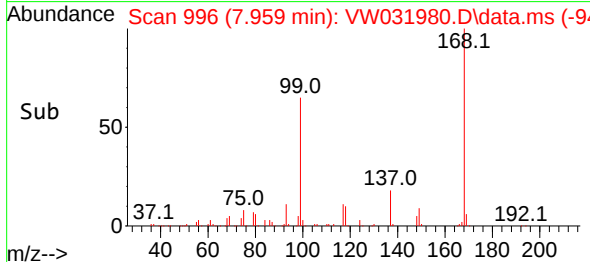
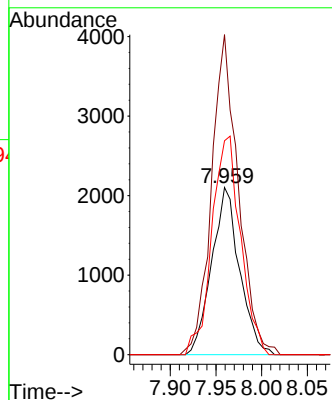
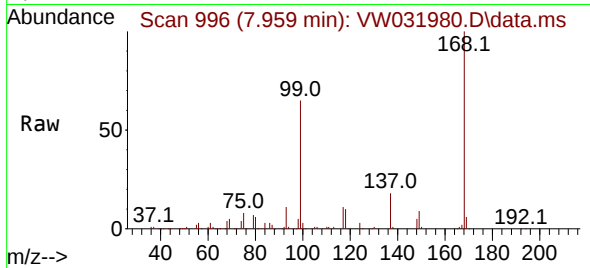




#31
Cyclohexane
Concen: 1.089 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

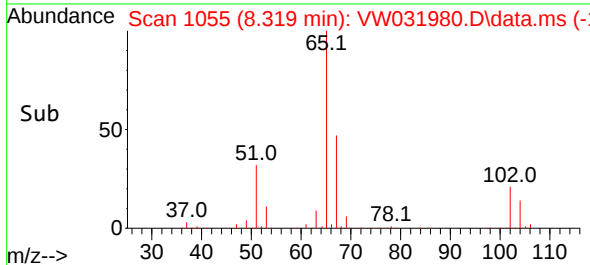
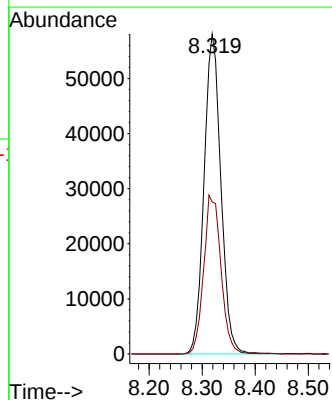
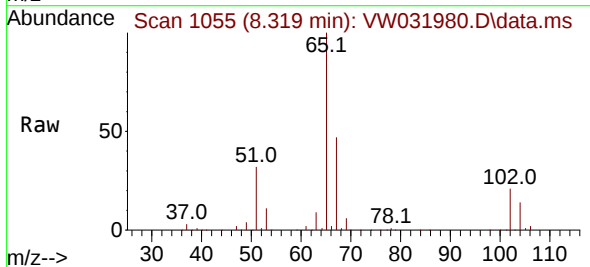
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

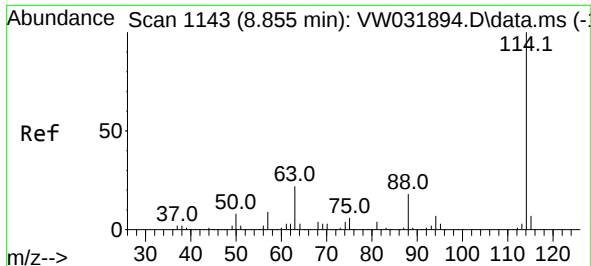
Tgt Ion: 56 Resp: 4458
Ion Ratio Lower Upper
56 100
69 191.4 26.7 40.1#
84 128.0 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 47.927 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Tgt Ion: 65 Resp: 127888
Ion Ratio Lower Upper
65 100
67 51.0 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: VW031980.D

Acq: 01 Aug 2025 13:02

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-GRILLO-OG4-073125

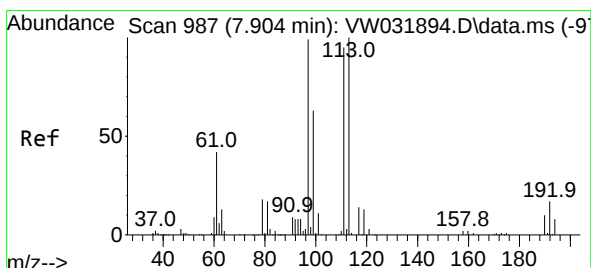
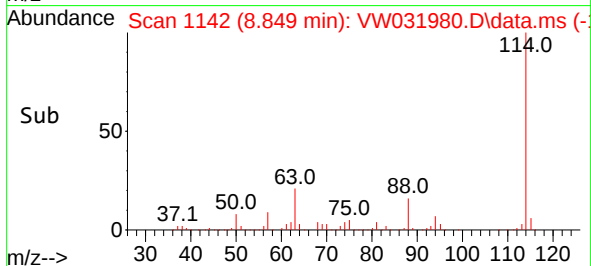
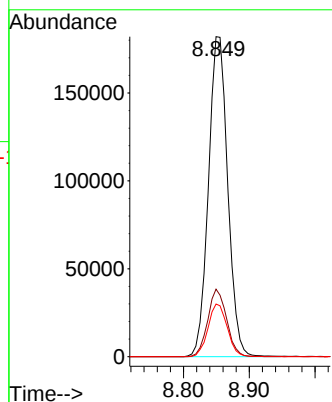
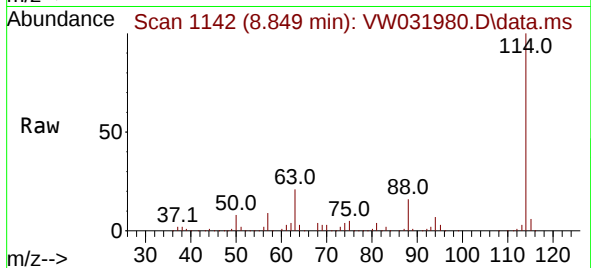
Tgt Ion:114 Resp: 371246

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.2

88 16.5 0.0 35.6



#35

Dibromofluoromethane

Concen: 46.284 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031980.D

Acq: 01 Aug 2025 13:02

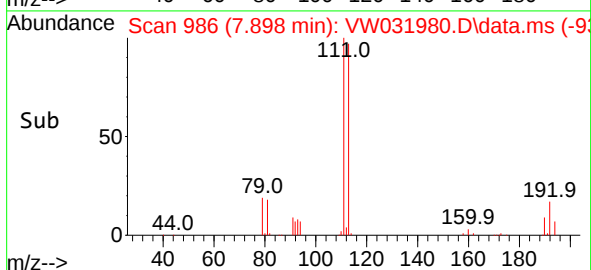
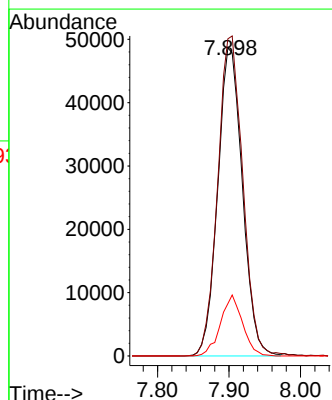
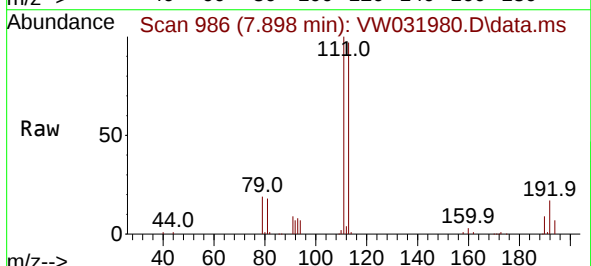
Tgt Ion:113 Resp: 116760

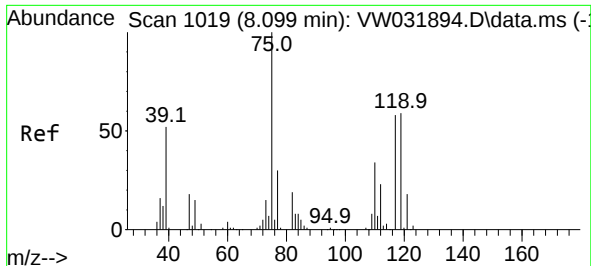
Ion Ratio Lower Upper

113 100

111 105.5 79.9 119.9

192 17.7 12.6 19.0





#36

1,1-Dichloropropene

Concen: 4.160 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.134 min

Lab File: VW031980.D

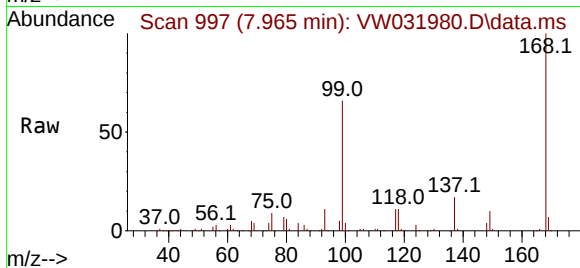
Acq: 01 Aug 2025 13:02

Instrument :

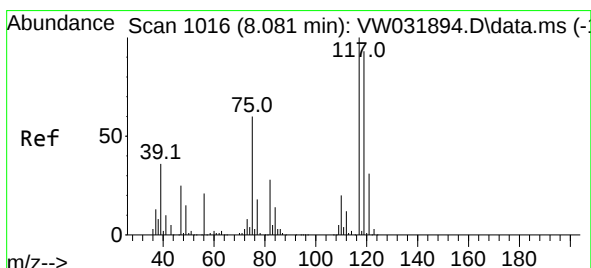
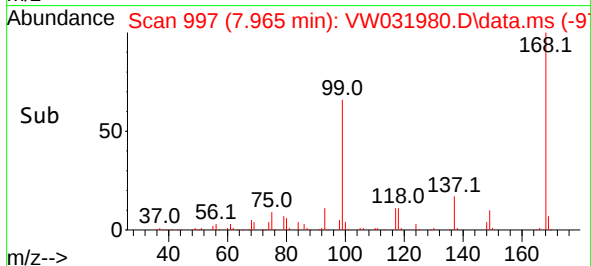
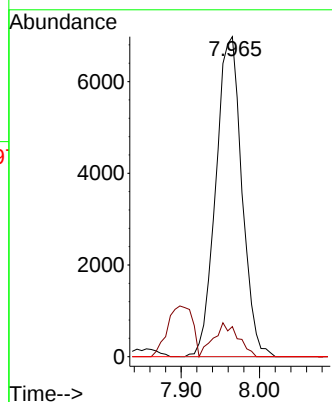
MSVOA_W

ClientSampleId :

OU4-TS-GRILLO-OG4-073125



Tgt Ion: 75	Resp: 16115
Ion Ratio	Lower Upper
75	100
110	9.5 17.0 50.9#
77	0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.430 ug/l

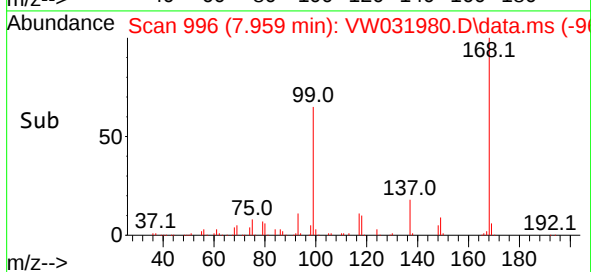
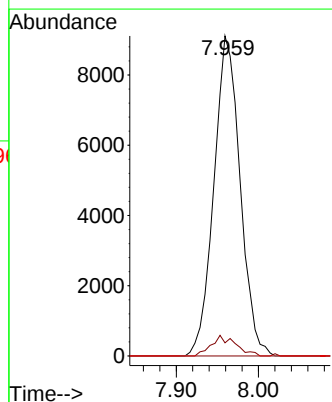
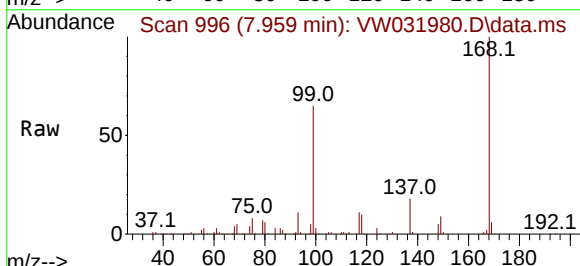
RT: 7.959 min Scan# 996

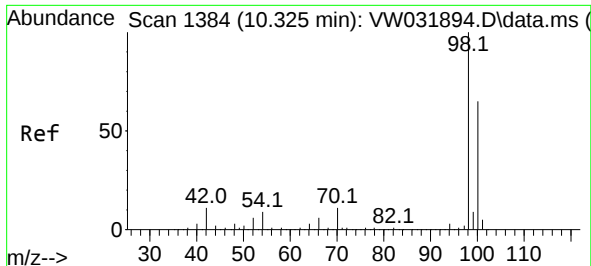
Delta R.T. -0.122 min

Lab File: VW031980.D

Acq: 01 Aug 2025 13:02

Tgt Ion: 117	Resp: 20189
Ion Ratio	Lower Upper
117	100
119	4.1 74.3 111.5#
121	0.0 24.6 37.0#

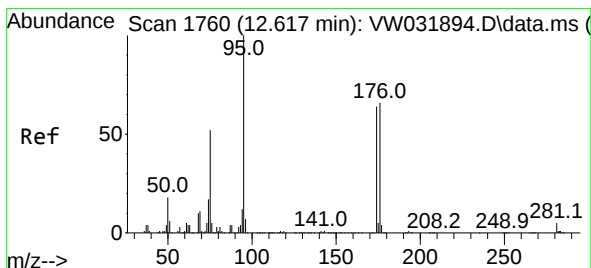
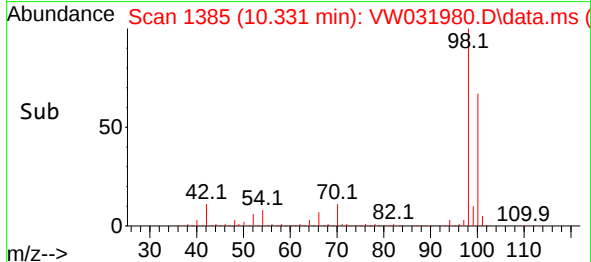
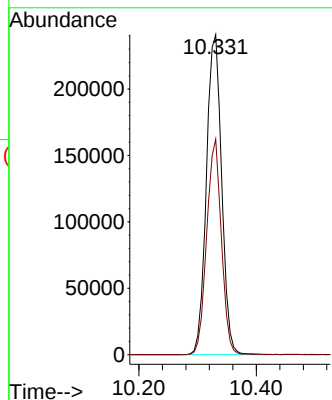
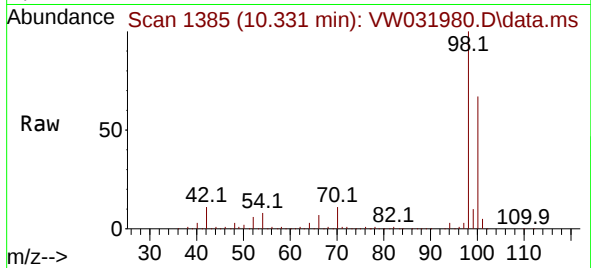




#50
Toluene-d8
Concen: 45.531 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

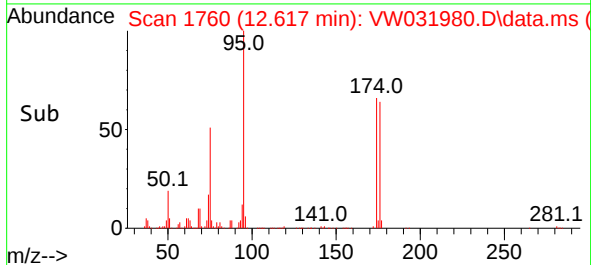
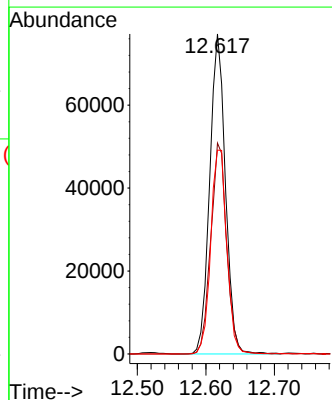
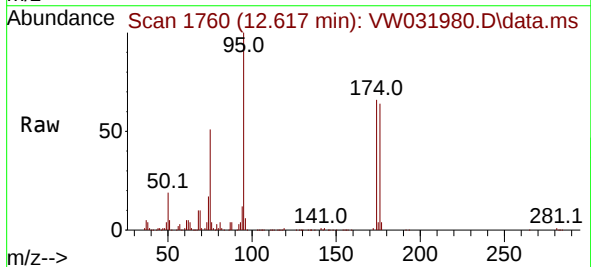
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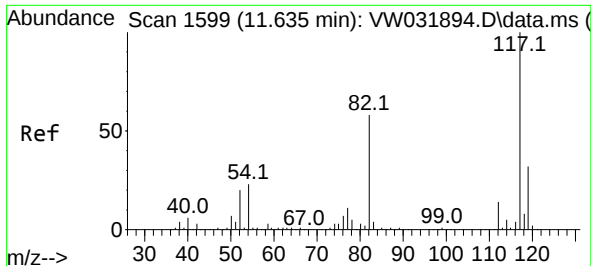
Tgt Ion: 98 Resp: 434704
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 33.540 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Tgt Ion: 95 Resp: 122959
Ion Ratio Lower Upper
95 100
174 66.5 0.0 129.8
176 65.3 0.0 130.4

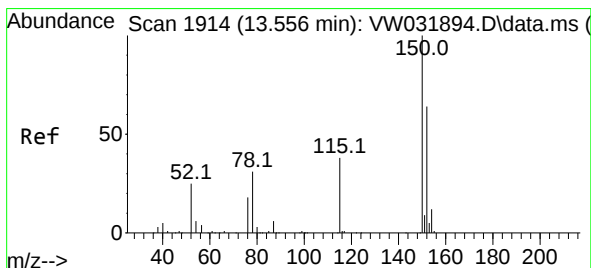
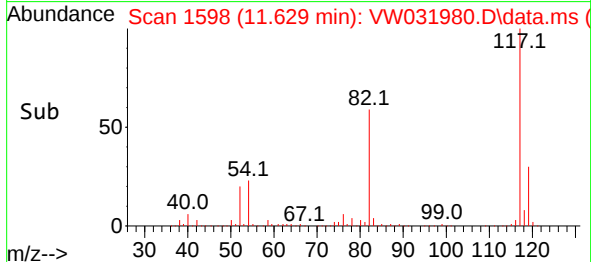
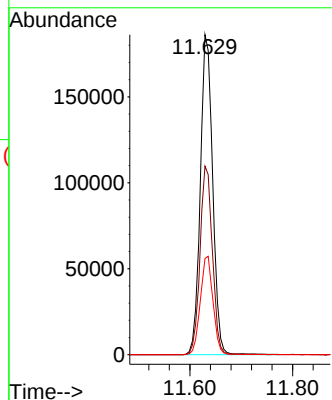
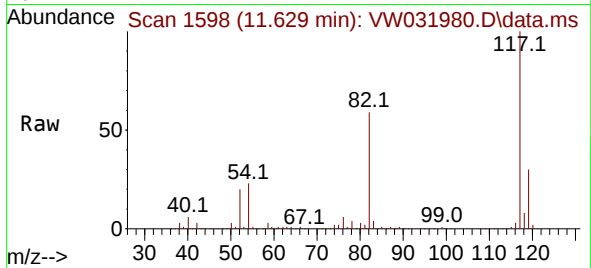




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

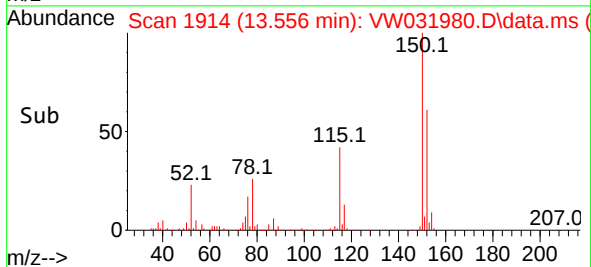
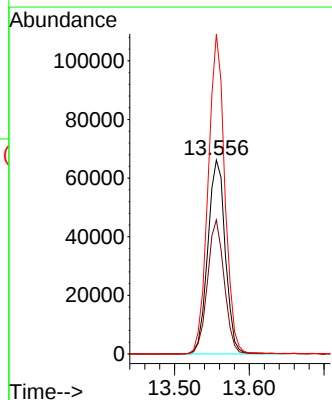
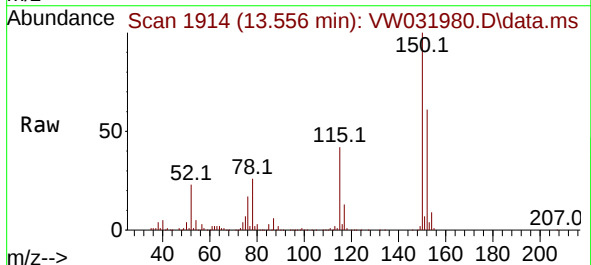
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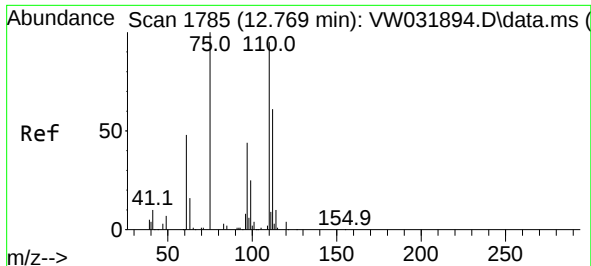
Tgt Ion:117 Resp: 309612
Ion Ratio Lower Upper
117 100
82 58.9 46.5 69.7
119 30.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Tgt Ion:152 Resp: 107269
Ion Ratio Lower Upper
152 100
115 66.6 33.4 100.1
150 157.3 0.0 352.2

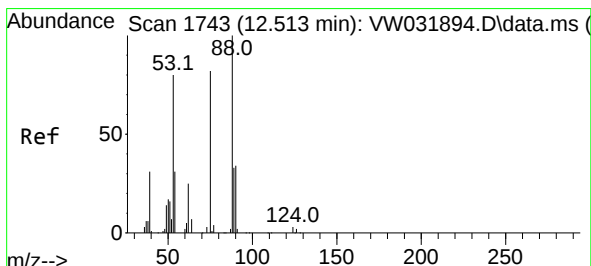
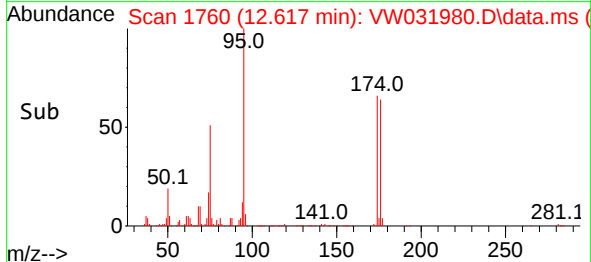
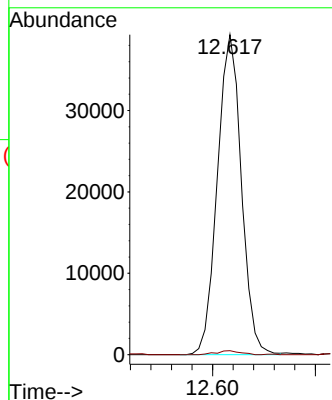
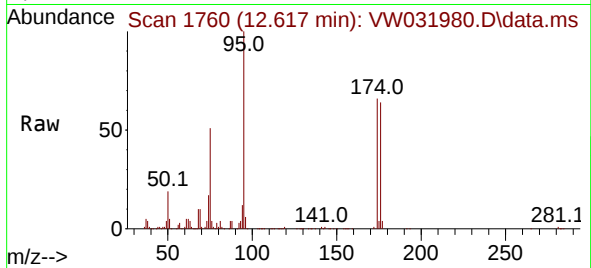




#76
1,2,3-Trichloropropane
Concen: 42.944 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

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

Tgt Ion: 75 Resp: 63601
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.146 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Tgt Ion: 75 Resp: 63601
Ion Ratio Lower Upper
75 100
53 0.1 83.7 125.5#
89 0.0 39.0 58.6#

