

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW031992.D
 Acq On : 04 Aug 2025 11:44
 Operator : SY/MD
 Sample : Q2747-03
 Misc : 3.67g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Aug 05 01:16:46 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)

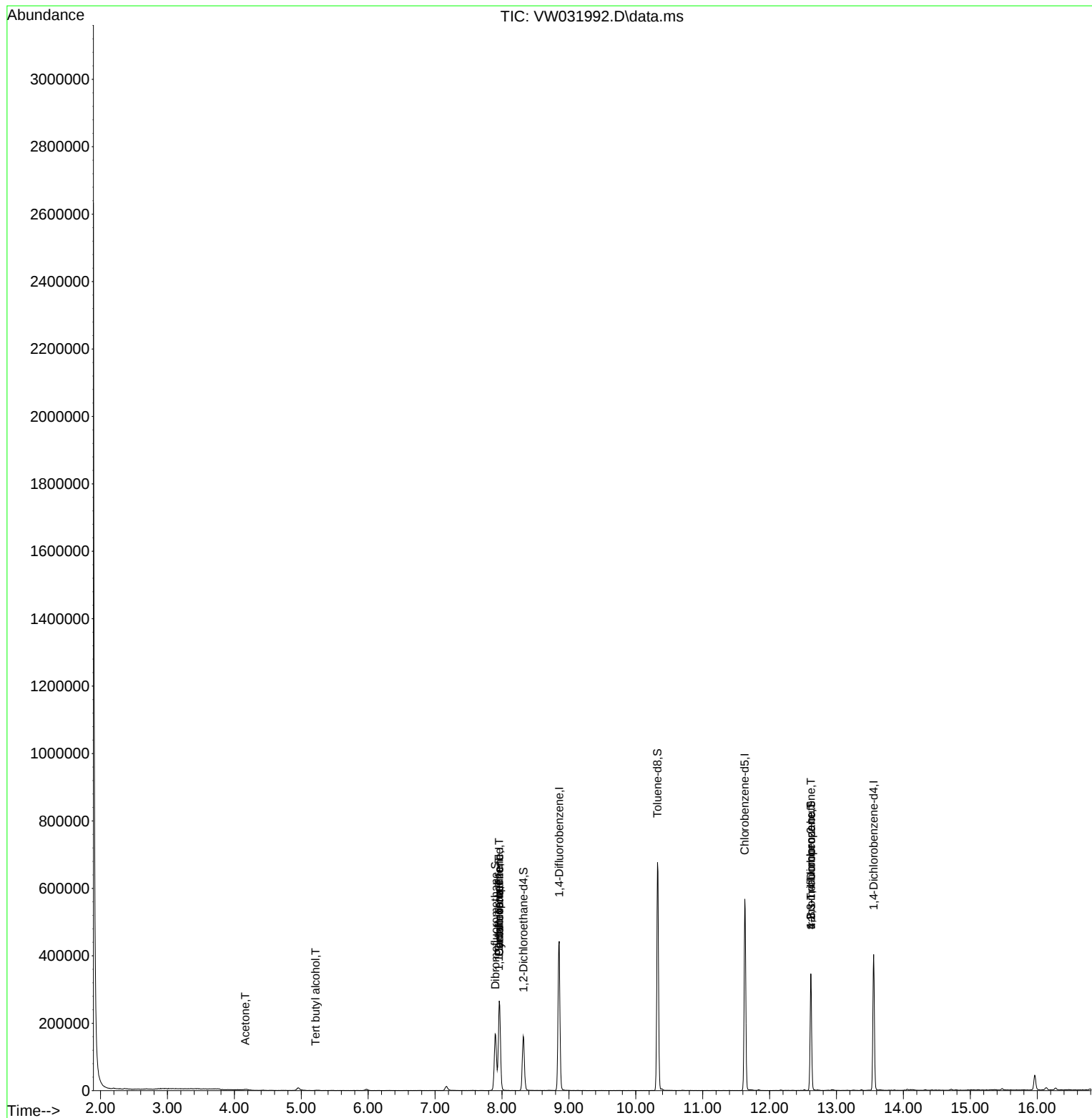
Internal Standards						
1) Pentafluorobenzene	7.959	168	177665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	379769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	308519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	101860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131706	49.005	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	98.000%		
35) Dibromofluoromethane	7.898	113	125306	48.557	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	97.120%		
50) Toluene-d8	10.325	98	450238	46.099	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	92.200%		
62) 4-Bromofluorobenzene	12.617	95	122757	32.733	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	65.460%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	357	2.260	ug/l #	72
13) Acrolein	3.942	56	42	Below Cal	#	1
16) Acetone	4.161	43	2809	4.404	ug/l	91
20) Methylene Chloride	4.954	84	6550	Below Cal		95
31) Cyclohexane	7.959	56	4324	1.049	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	16687	4.211	ug/l #	49
38) Carbon Tetrachloride	7.959	117	20538	5.400	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	61423	43.676	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	61423	100.836	ug/l #	8

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

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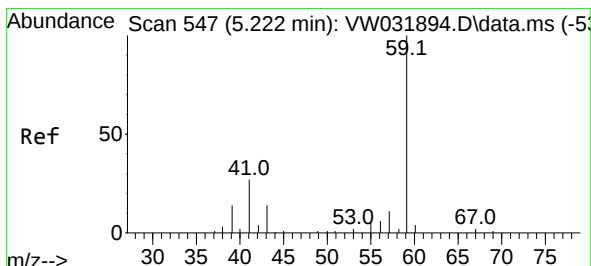
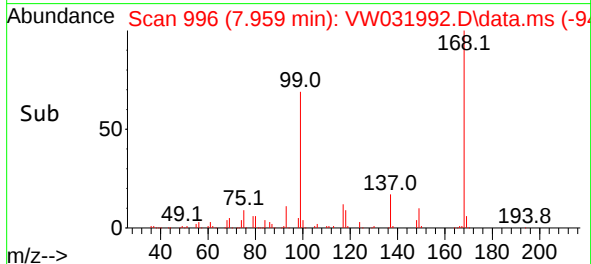
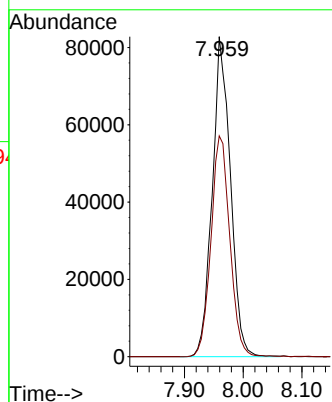
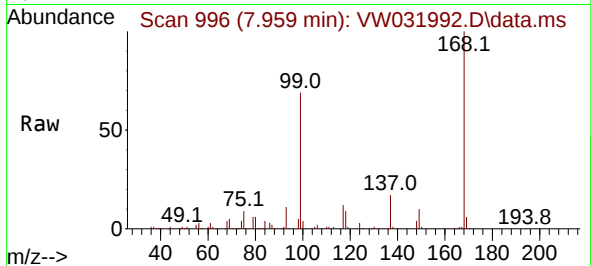




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

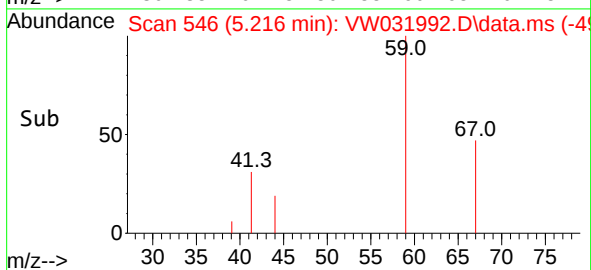
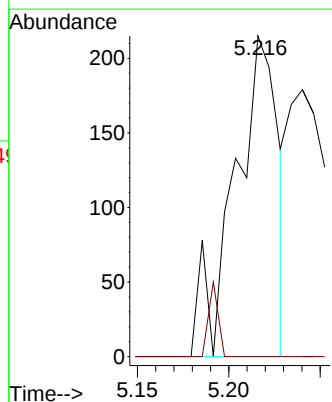
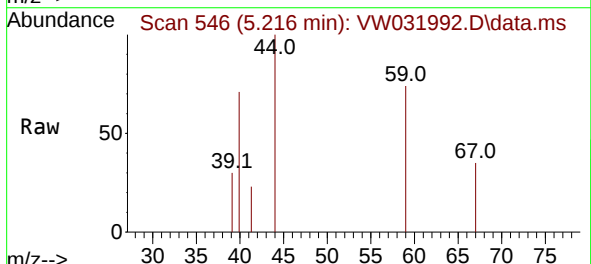
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125RE

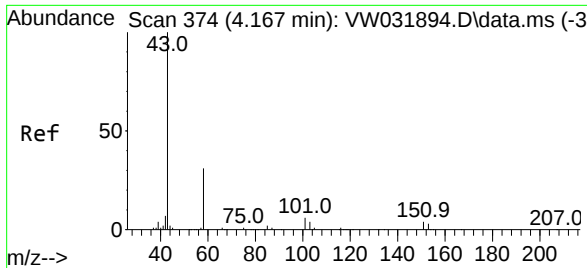
Tgt Ion:168 Resp: 177665
Ion Ratio Lower Upper
168 100
99 69.0 48.2 72.2



#11
Tert butyl alcohol
Concen: 2.260 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Tgt Ion: 59 Resp: 357
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

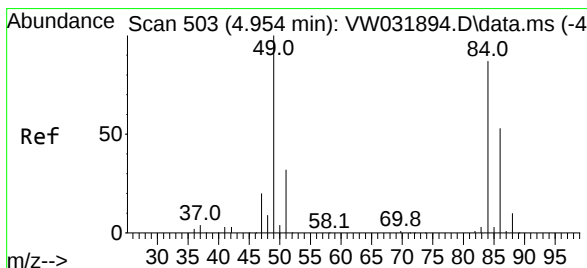
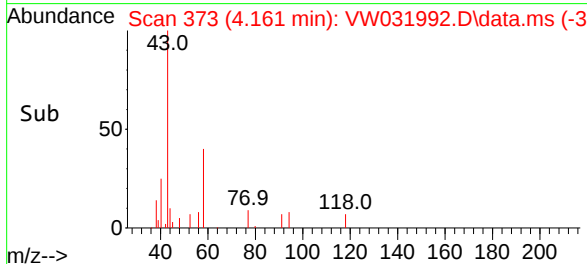
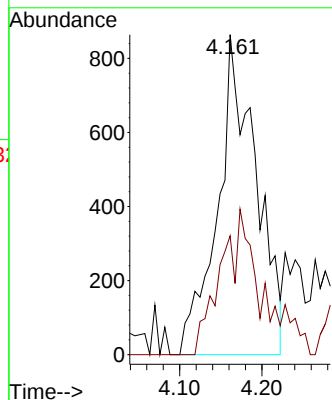
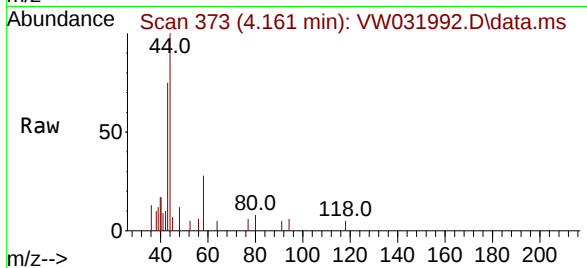




#16
Acetone
Concen: 4.404 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

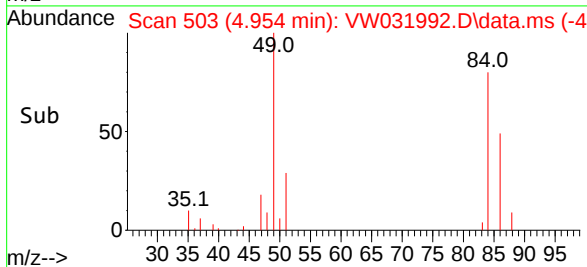
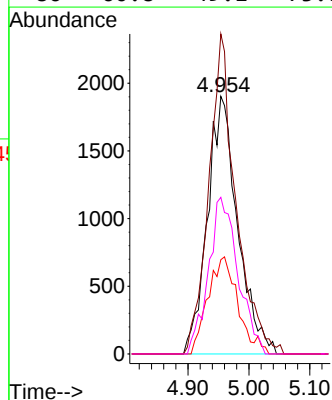
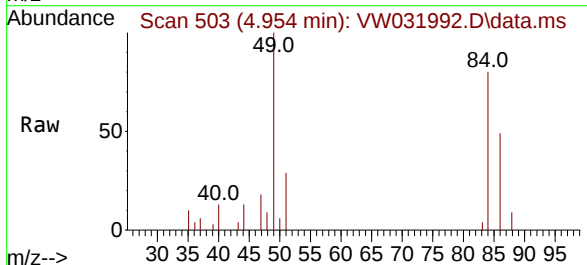
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125RE

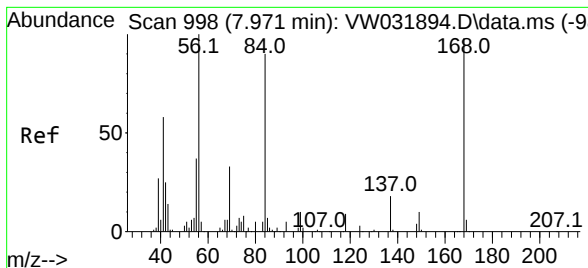
Tgt Ion: 43 Resp: 2809
Ion Ratio Lower Upper
43 100
58 37.2 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Tgt Ion: 84 Resp: 6550
Ion Ratio Lower Upper
84 100
49 124.2 91.9 137.9
51 36.6 29.0 43.6
86 60.8 49.1 73.7

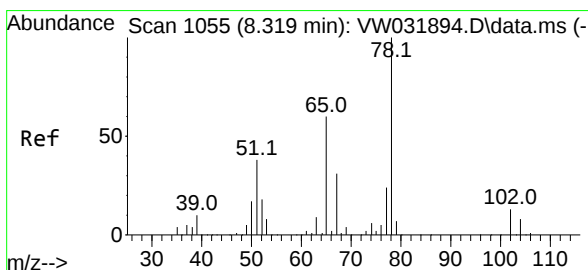
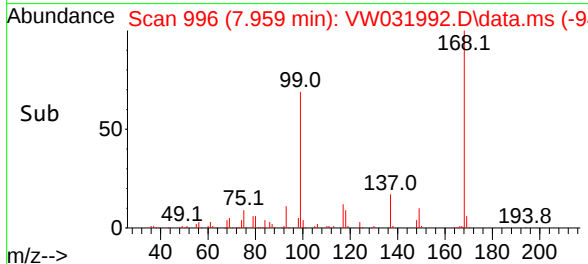
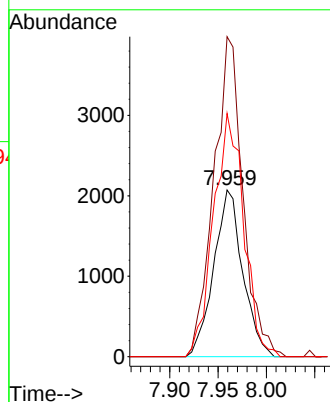
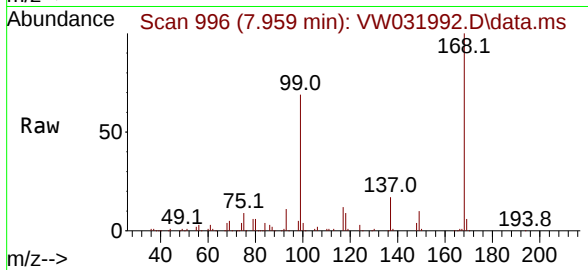




#31
Cyclohexane
Concen: 1.049 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

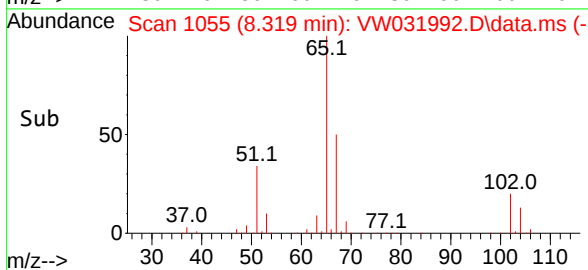
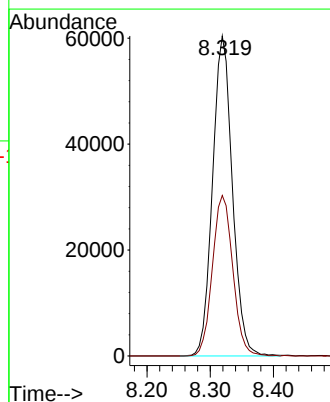
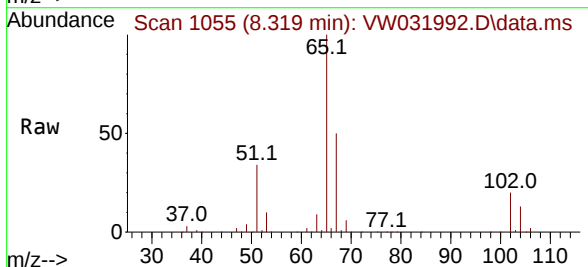
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125RE

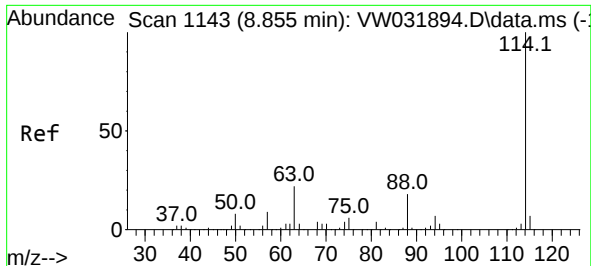
Tgt Ion: 56 Resp: 4324
Ion Ratio Lower Upper
56 100
69 192.0 26.7 40.1#
84 145.9 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 49.005 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Tgt Ion: 65 Resp: 131706
Ion Ratio Lower Upper
65 100
67 51.5 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: VW031992.D

Acq: 04 Aug 2025 11:44

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-GRILLO-OG3-073125RE

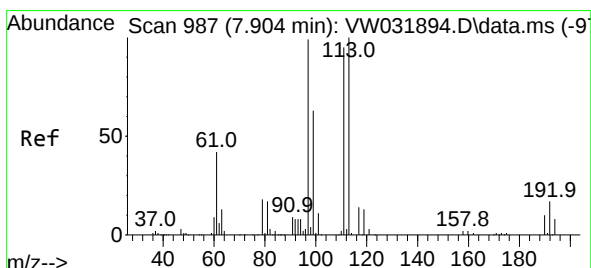
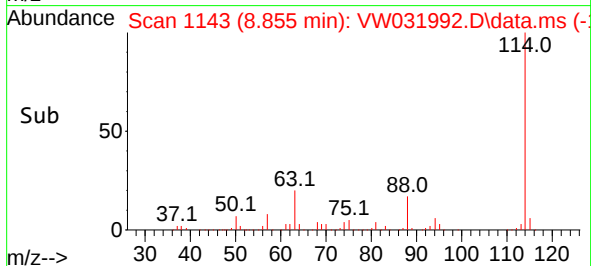
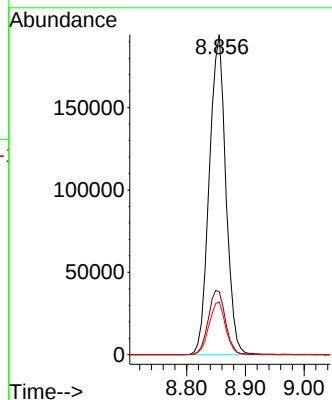
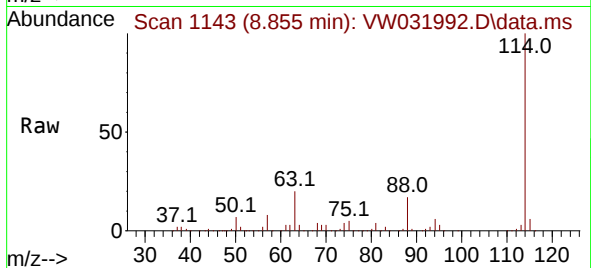
Tgt Ion:114 Resp: 379769

Ion Ratio Lower Upper

114 100

63 19.7 0.0 44.2

88 16.5 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.557 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031992.D

Acq: 04 Aug 2025 11:44

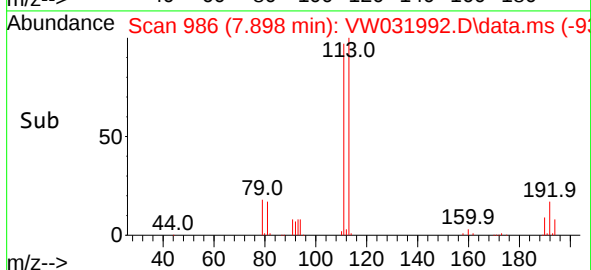
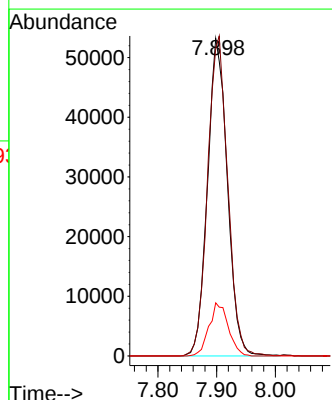
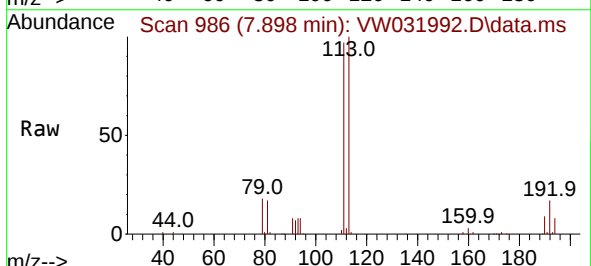
Tgt Ion:113 Resp: 125306

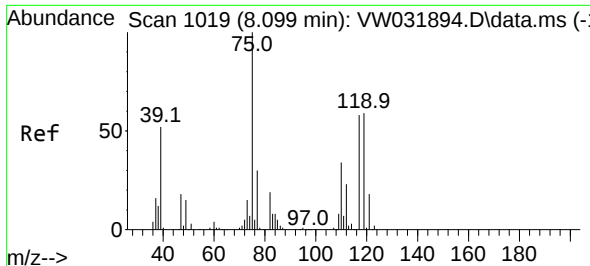
Ion Ratio Lower Upper

113 100

111 101.7 79.9 119.9

192 16.2 12.6 19.0

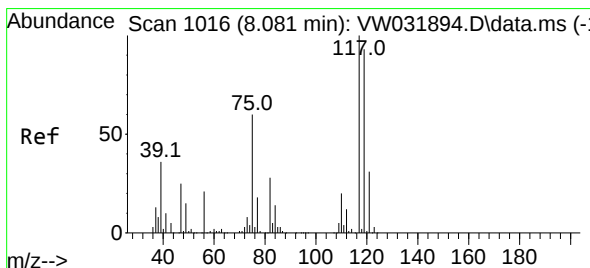
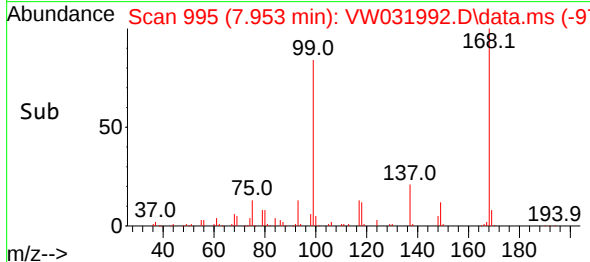
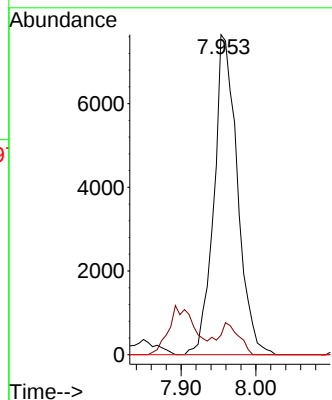
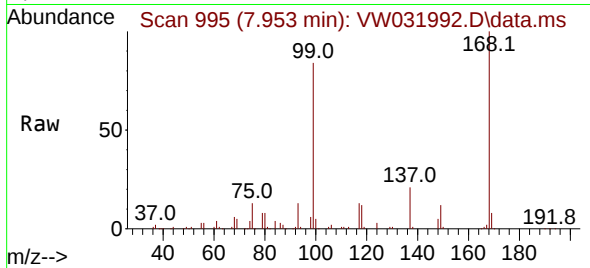




#36
1,1-Dichloropropene
Concen: 4.211 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.146 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

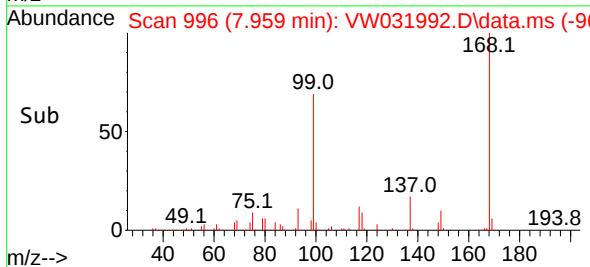
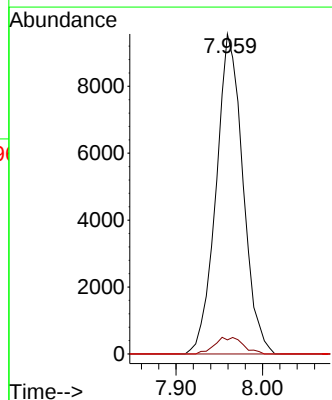
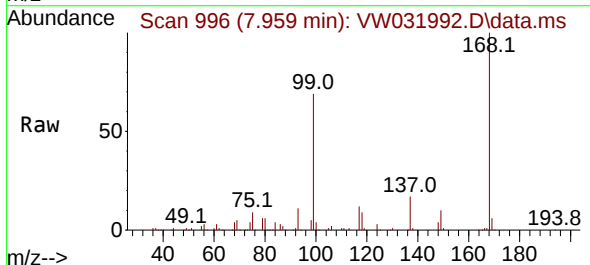
Instrument :
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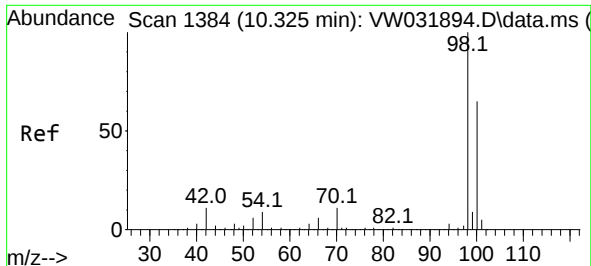
Tgt Ion: 75 Resp: 16687
Ion Ratio Lower Upper
75 100
110 7.4 17.0 50.9#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.400 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Tgt Ion: 117 Resp: 20538
Ion Ratio Lower Upper
117 100
119 4.4 74.3 111.5#
121 0.0 24.6 37.0#

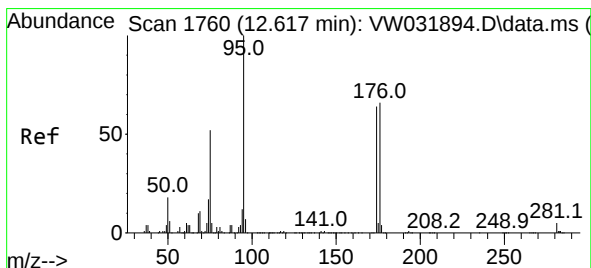
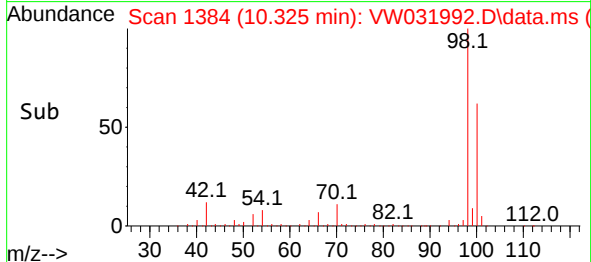
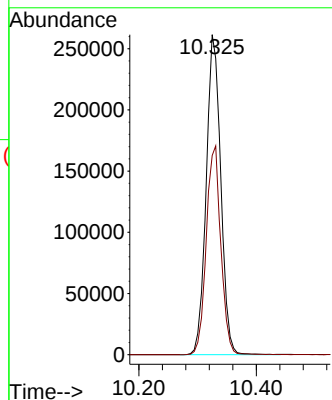
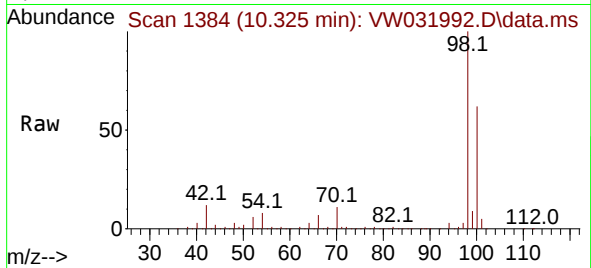




#50
Toluene-d8
Concen: 46.099 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

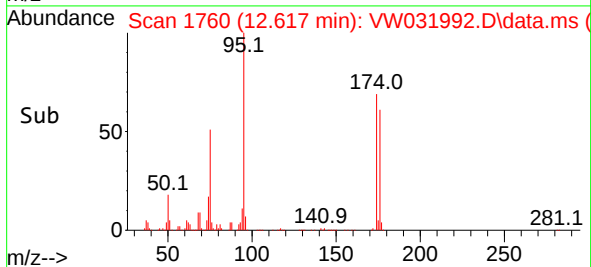
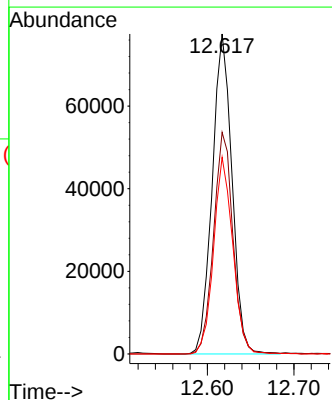
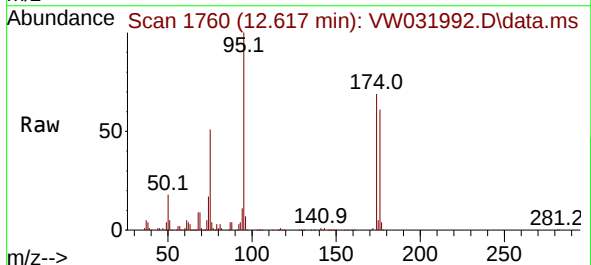
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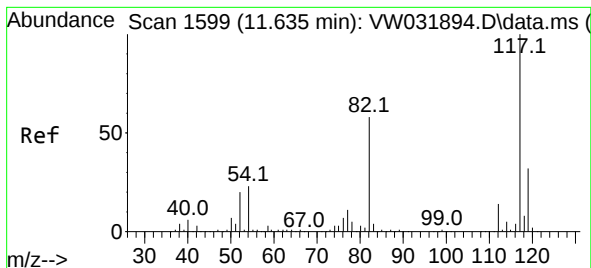
Tgt Ion: 98 Resp: 450238
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 32.733 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Tgt Ion: 95 Resp: 122757
Ion Ratio Lower Upper
95 100
174 68.0 0.0 129.8
176 60.0 0.0 130.4

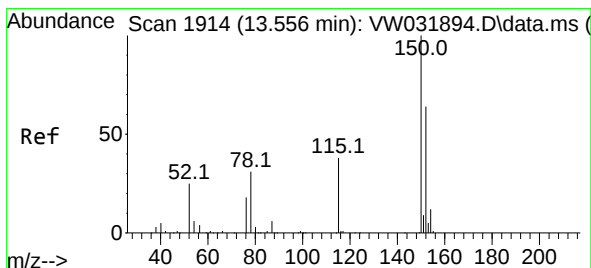
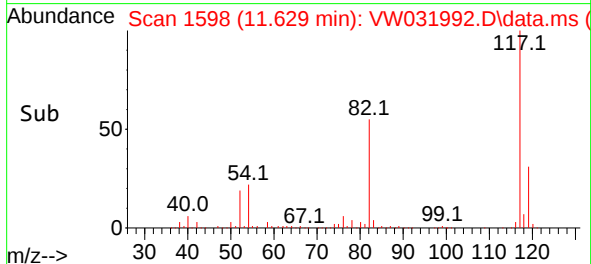
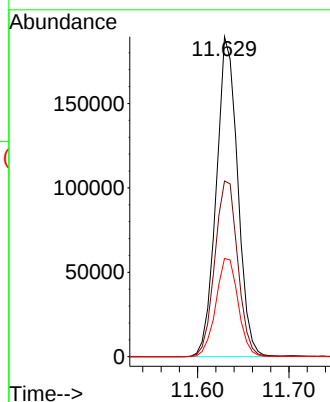
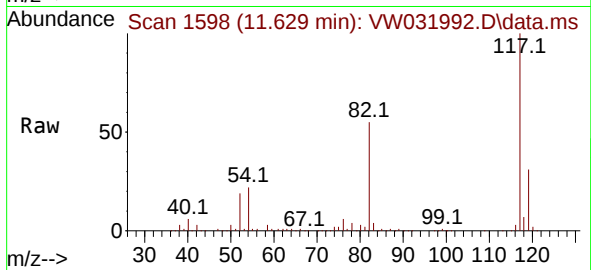




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

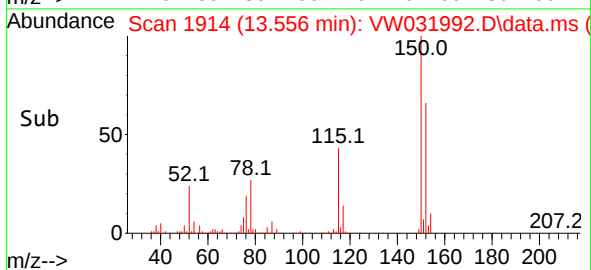
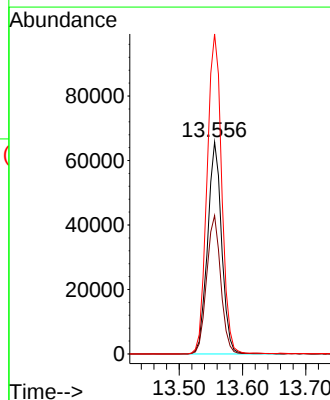
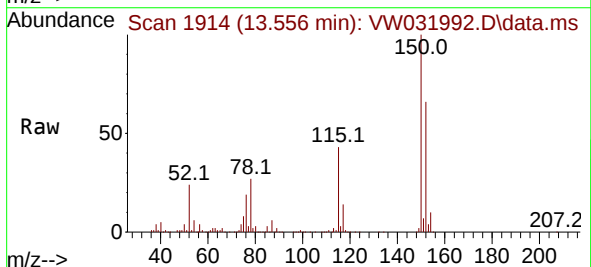
Instrument :
MSVOA_W
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OU4-TS-GRILLO-OG3-073125RE

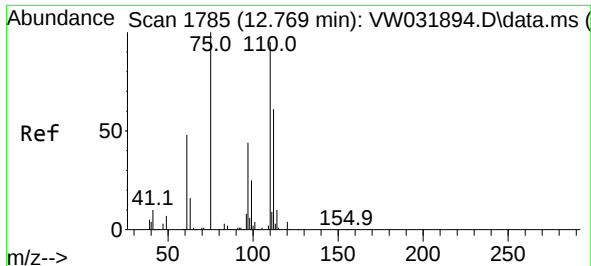
Tgt Ion:117 Resp: 308519
Ion Ratio Lower Upper
117 100
82 54.9 46.5 69.7
119 30.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Tgt Ion:152 Resp: 101860
Ion Ratio Lower Upper
152 100
115 65.3 33.4 100.1
150 157.2 0.0 352.2

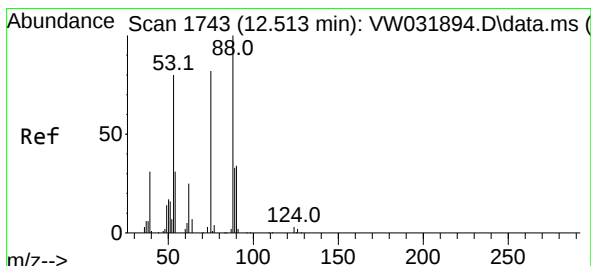
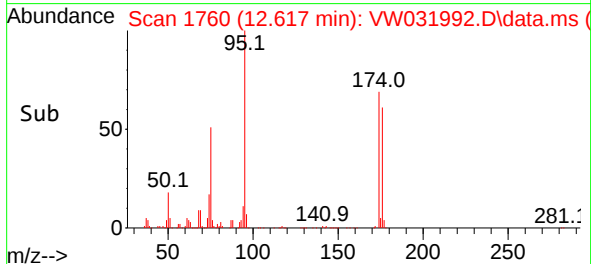
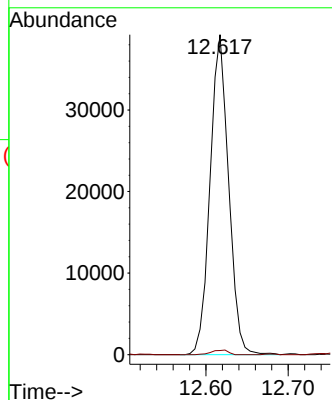
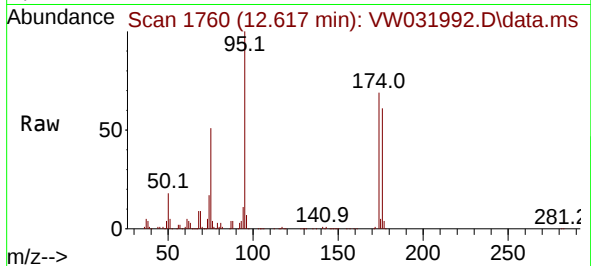




#76
1,2,3-Trichloropropane
Concen: 43.676 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

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

Tgt Ion: 75 Resp: 61423
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.836 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Tgt Ion: 75 Resp: 61423
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 39.0 58.6#

