

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031982.D
 Acq On : 01 Aug 2025 13:47
 Operator : SY/MD
 Sample : Q2747-09
 Misc : 3.29g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-TSCP02-073125

Quant Time: Aug 01 23:13:00 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)

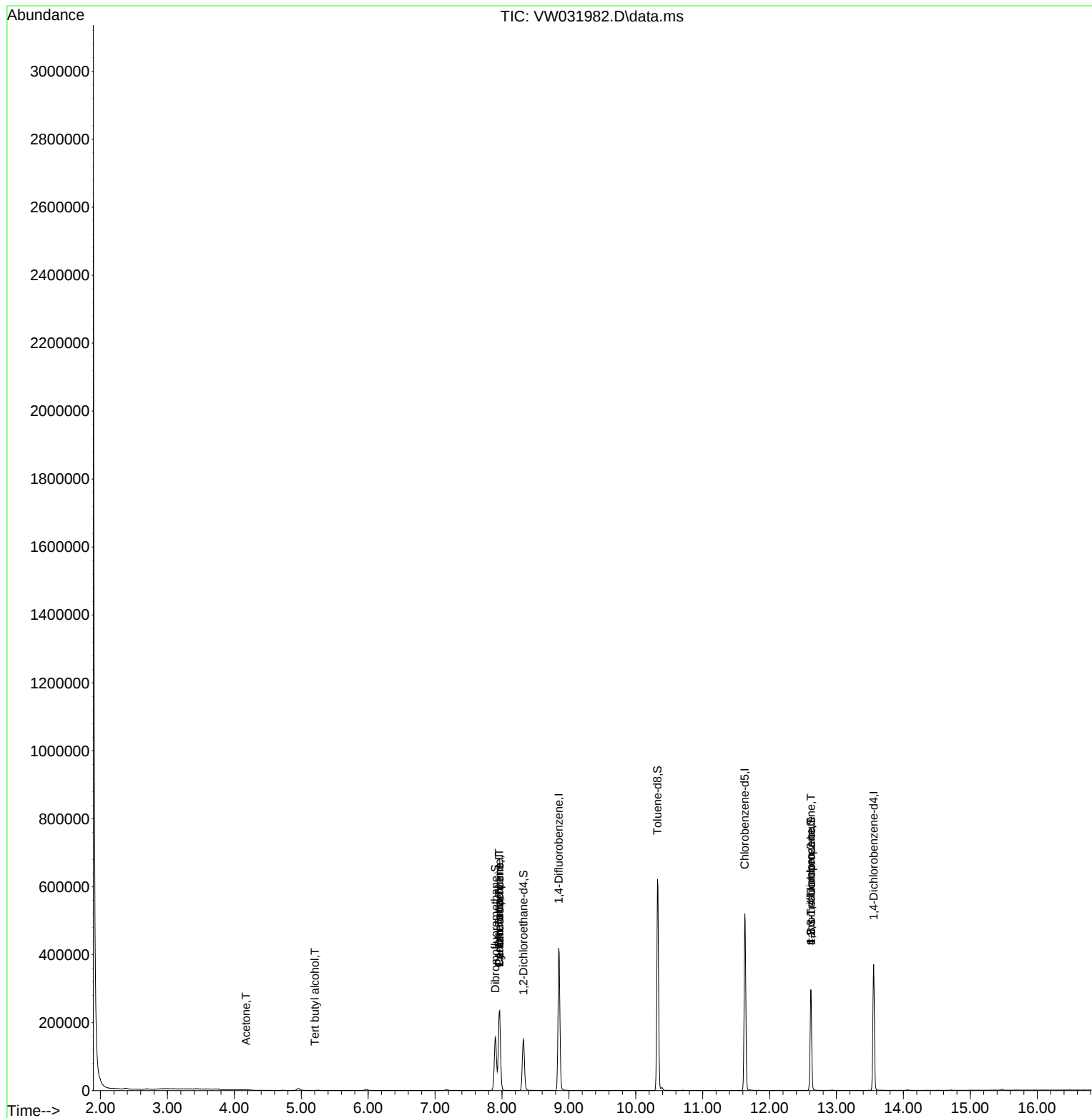
Internal Standards						
1) Pentafluorobenzene	7.965	168	164473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	352062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	286269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	96002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	123320	49.565	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.120%		
35) Dibromofluoromethane	7.898	113	116488	48.693	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	97.380%		
50) Toluene-d8	10.325	98	417750	46.139	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	92.280%		
62) 4-Bromofluorobenzene	12.617	95	106188	30.543	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	61.080%		
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.204	59	386	2.639 ug/l #	72	
13) Acrolein	3.936	56	53	Below Cal #	40	
16) Acetone	4.173	43	1711	2.898 ug/l	98	
20) Methylene Chloride	4.954	84	5229	Below Cal	88	
31) Cyclohexane	7.959	56	4102	1.075 ug/l #	1	
36) 1,1-Dichloropropene	7.959	75	15080	4.105 ug/l #	50	
38) Carbon Tetrachloride	7.959	117	19228	5.453 ug/l #	17	
76) 1,2,3-Trichloropropane	12.617	75	55302	41.723 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.617	75	55302	96.327 ug/l #	8	

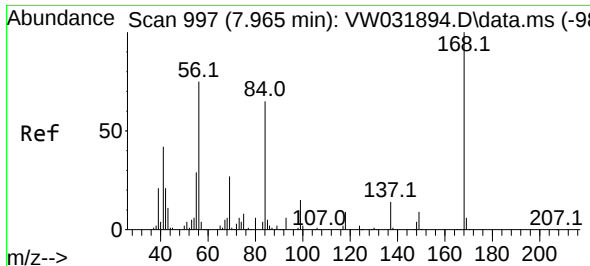
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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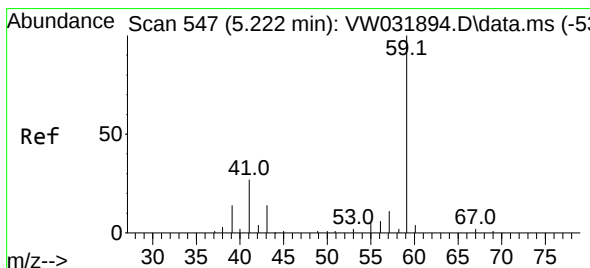
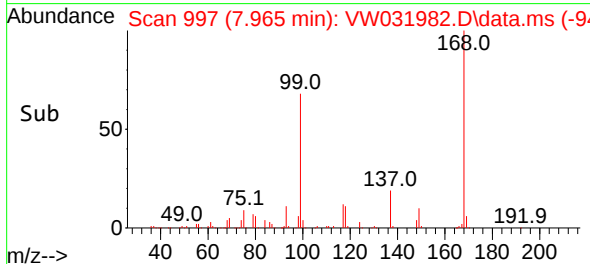
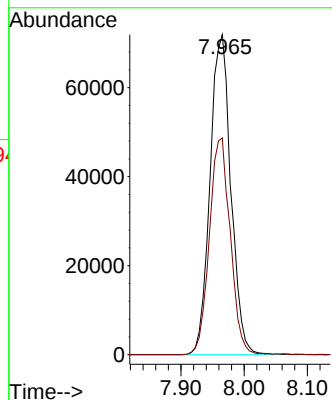
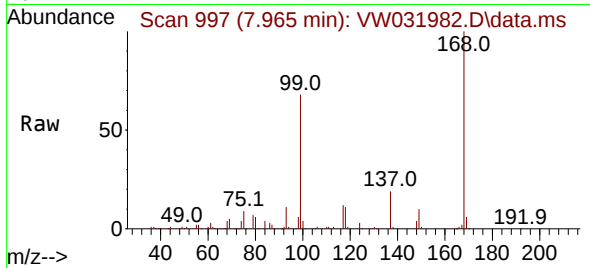




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

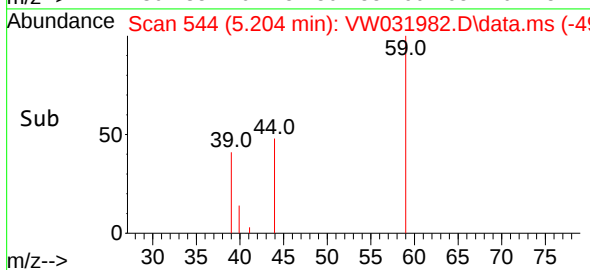
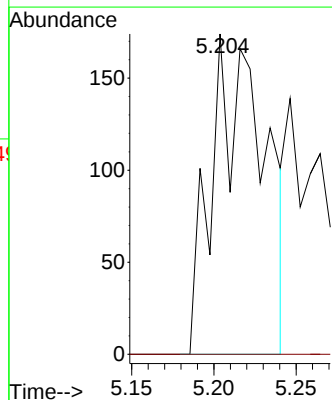
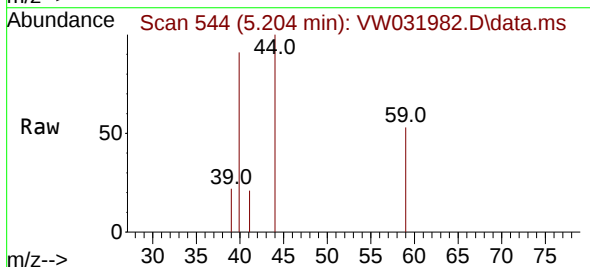
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

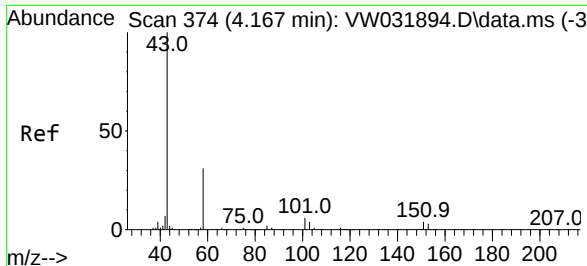
Tgt Ion:168 Resp: 164473
Ion Ratio Lower Upper
168 100
99 67.8 48.2 72.2



#11
Tert butyl alcohol
Concen: 2.639 ug/l
RT: 5.204 min Scan# 544
Delta R.T. -0.018 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion: 59 Resp: 386
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

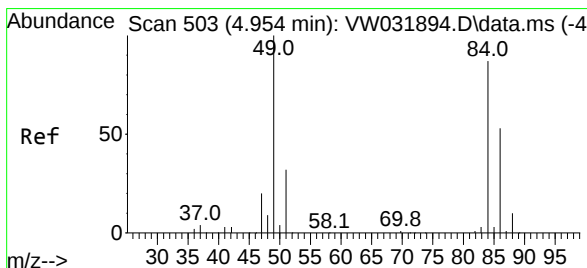
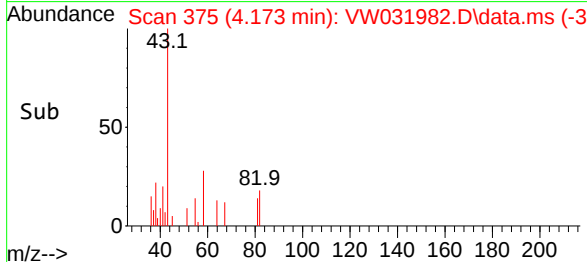
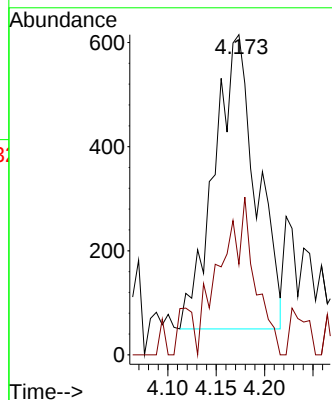
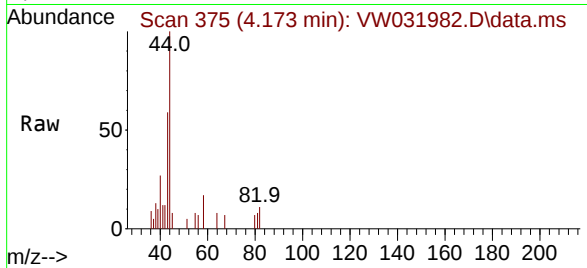




#16
Acetone
Concen: 2.898 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

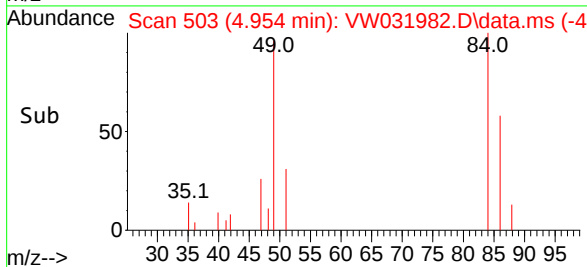
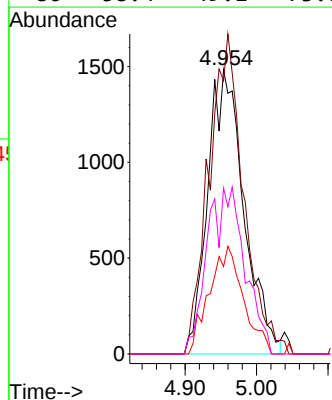
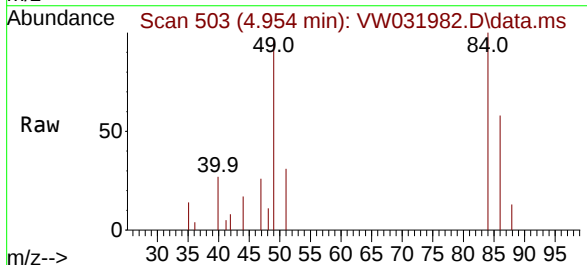
Instrument :
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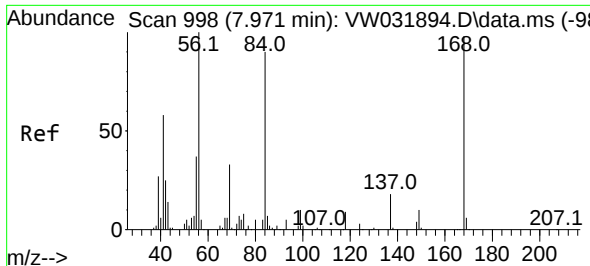
Tgt Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
58 30.8 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion: 84 Resp: 5229
Ion Ratio Lower Upper
84 100
49 96.2 91.9 137.9
51 30.7 29.0 43.6
86 58.4 49.1 73.7

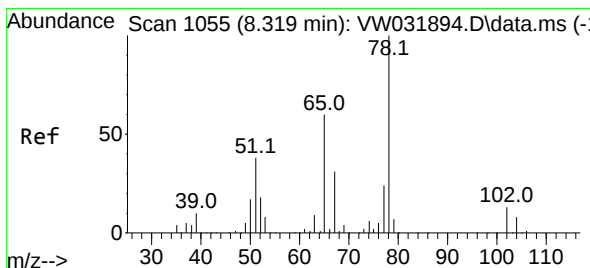
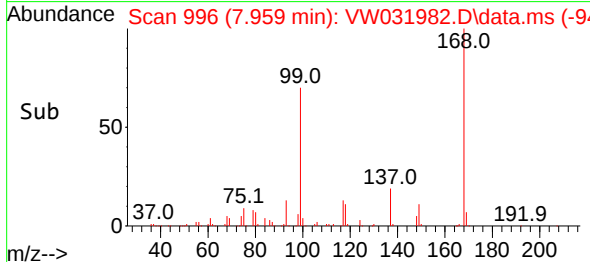
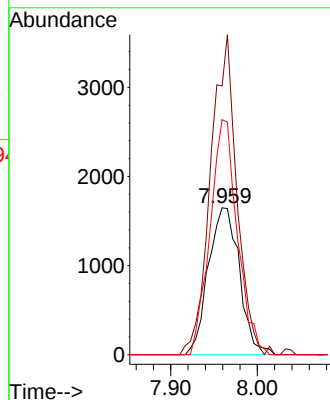
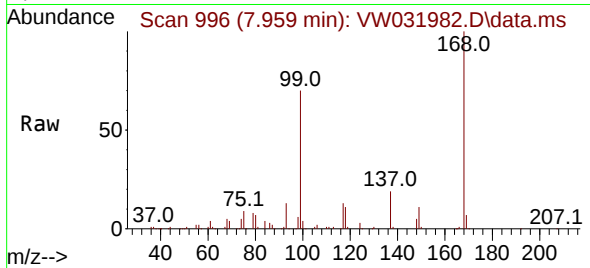




#31
Cyclohexane
Concen: 1.075 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

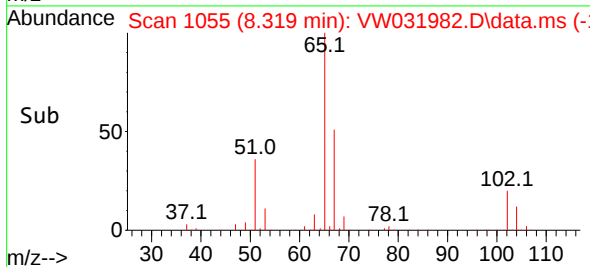
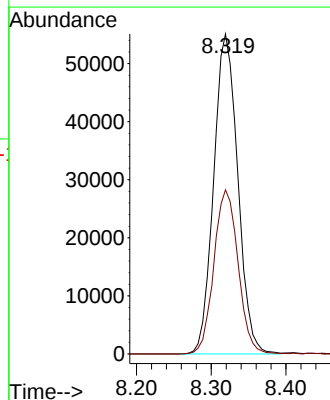
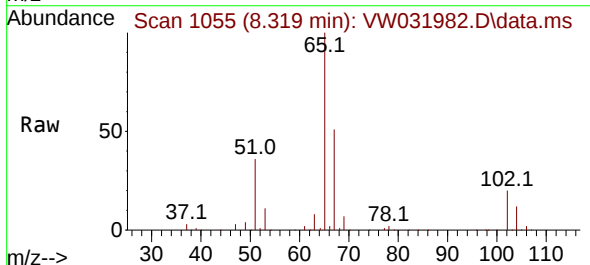
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

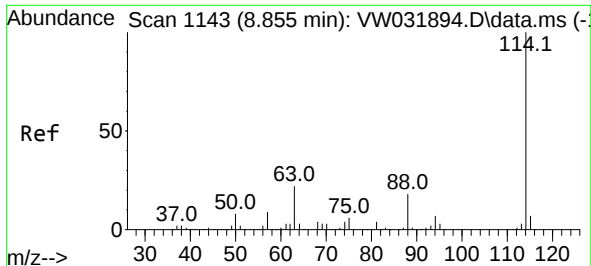
Tgt Ion: 56 Resp: 4102
Ion Ratio Lower Upper
56 100
69 183.2 26.7 40.1#
84 160.0 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 49.565 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion: 65 Resp: 123320
Ion Ratio Lower Upper
65 100
67 51.6 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: VW031982.D

Acq: 01 Aug 2025 13:47

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-GRILLO-TSCP02-073125

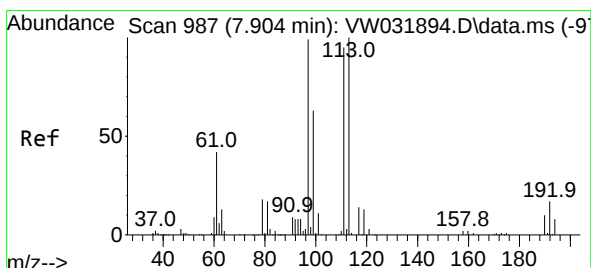
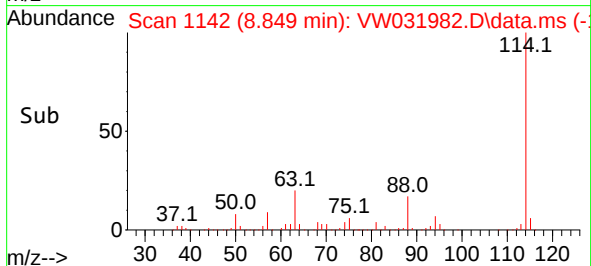
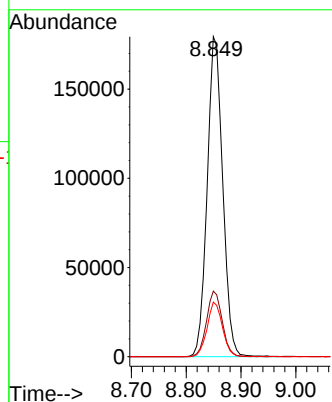
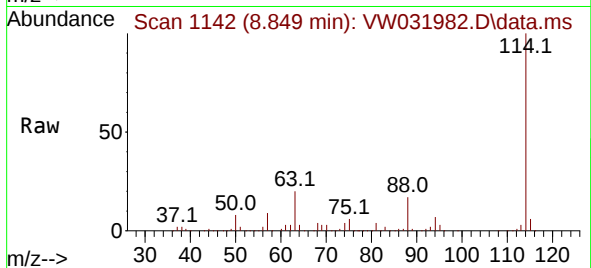
Tgt Ion:114 Resp: 352062

Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.2

88 17.1 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.693 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031982.D

Acq: 01 Aug 2025 13:47

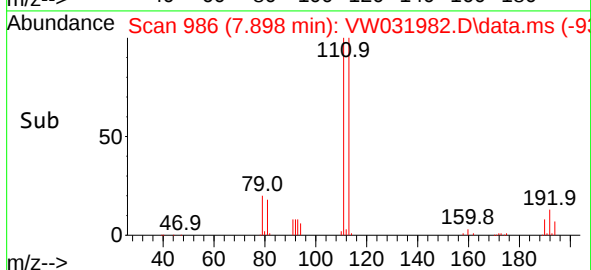
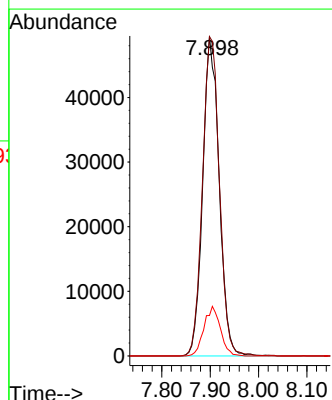
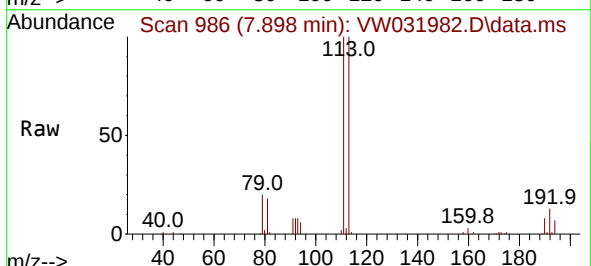
Tgt Ion:113 Resp: 116488

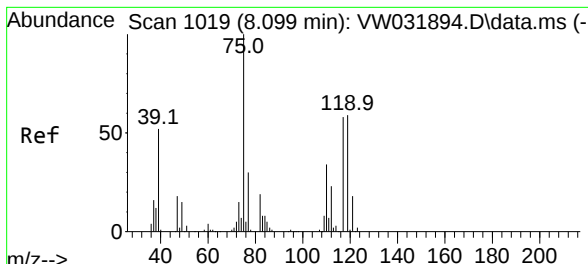
Ion Ratio Lower Upper

113 100

111 103.1 79.9 119.9

192 15.6 12.6 19.0

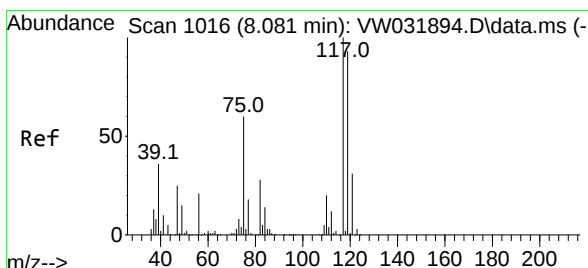
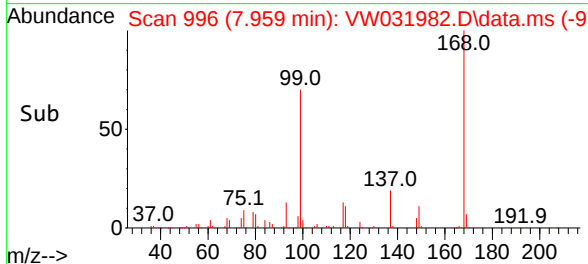
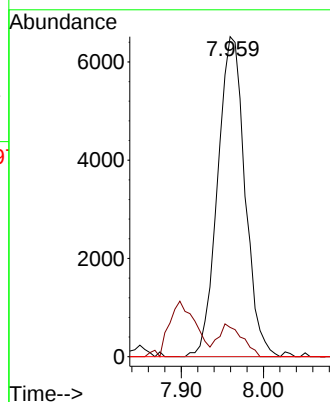
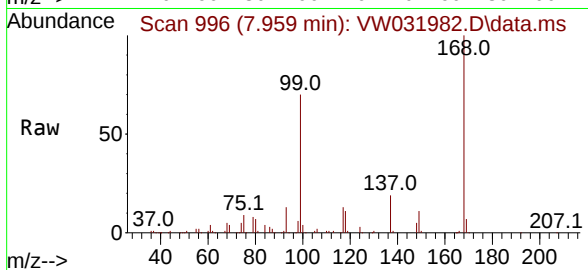




#36
1,1-Dichloropropene
Concen: 4.105 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

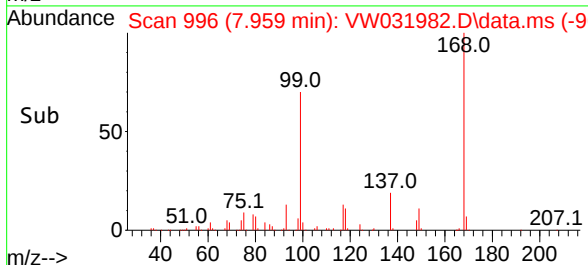
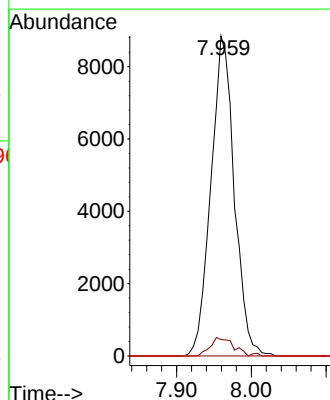
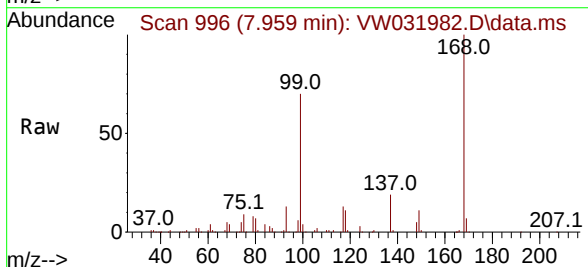
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ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

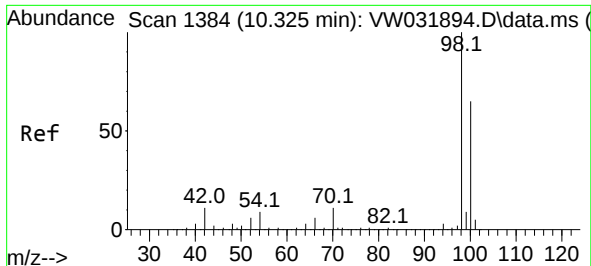
Tgt Ion: 75 Resp: 15080
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.453 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion: 117 Resp: 19228
Ion Ratio Lower Upper
117 100
119 5.2 74.3 111.5#
121 0.0 24.6 37.0#

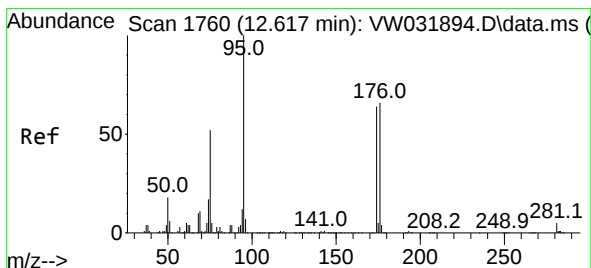
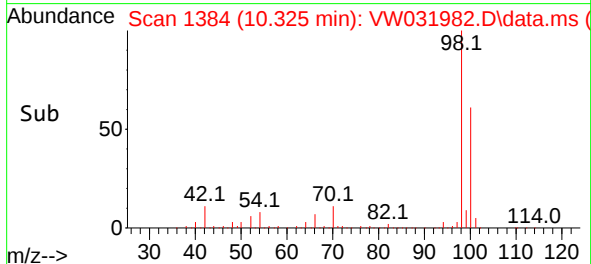
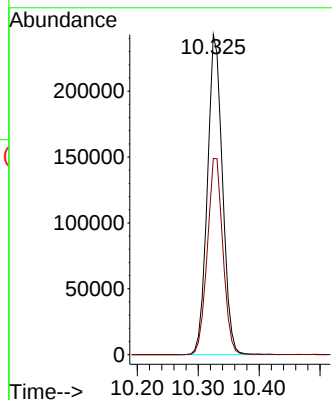
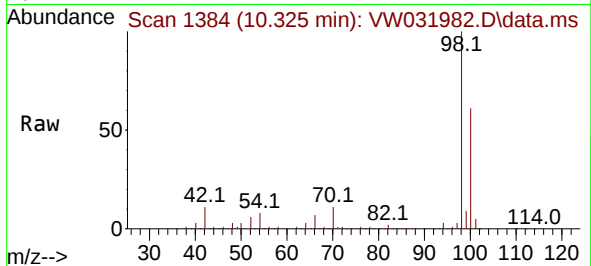




#50
Toluene-d8
Concen: 46.139 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

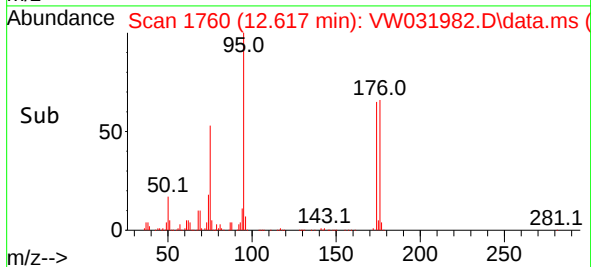
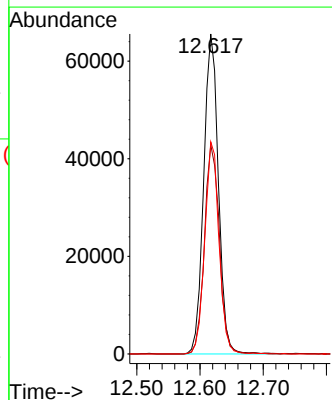
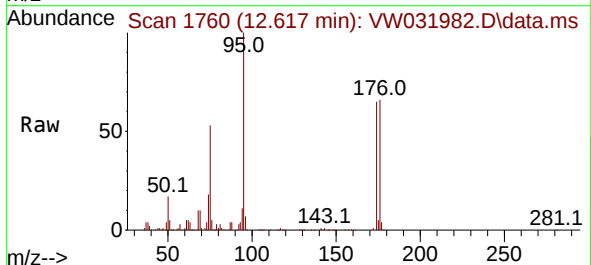
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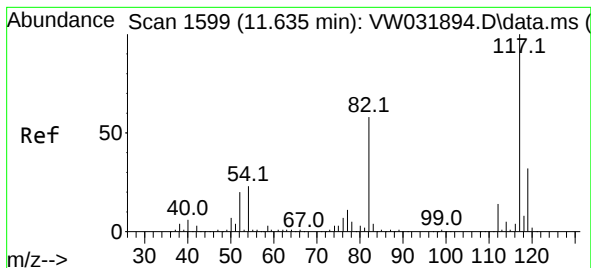
Tgt Ion: 98 Resp: 417750
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 30.543 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion: 95 Resp: 106188
Ion Ratio Lower Upper
95 100
174 66.4 0.0 129.8
176 64.6 0.0 130.4

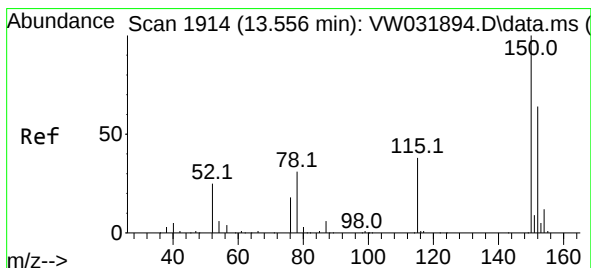
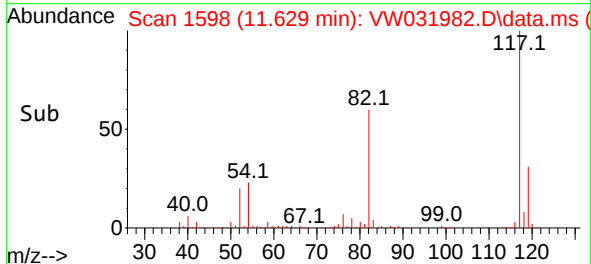
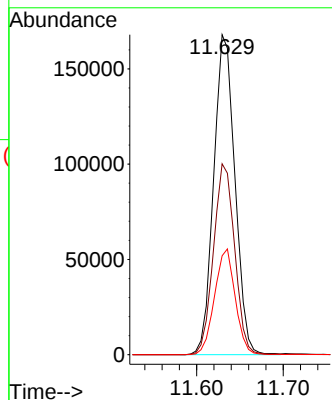
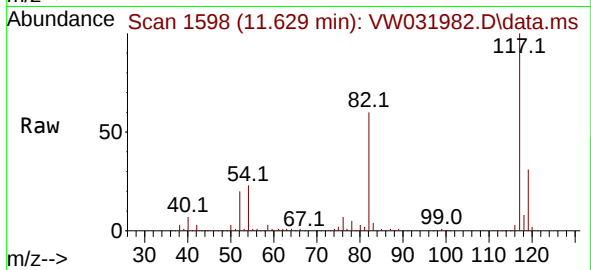




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

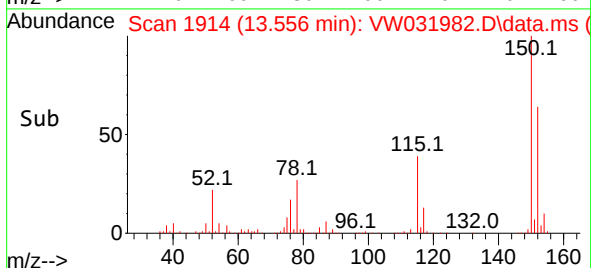
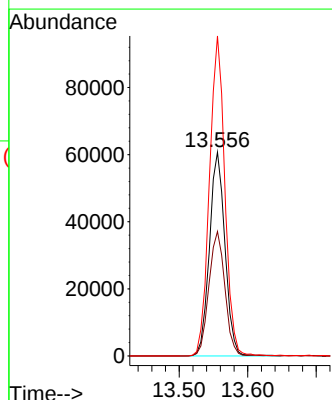
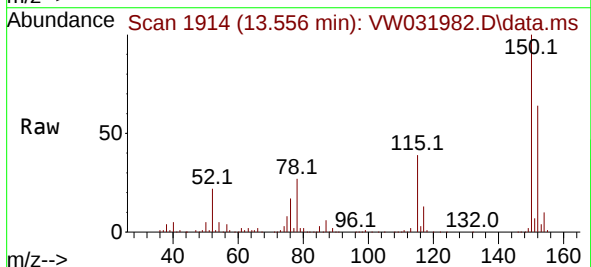
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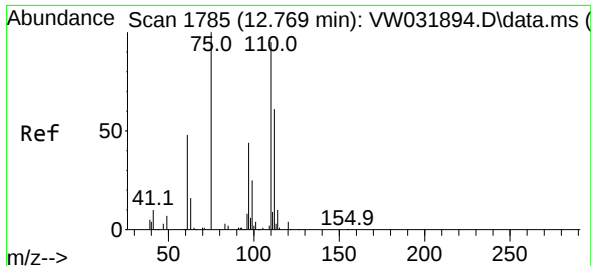
Tgt Ion:117 Resp: 286269
Ion Ratio Lower Upper
117 100
82 59.7 46.5 69.7
119 30.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion:152 Resp: 96002
Ion Ratio Lower Upper
152 100
115 62.6 33.4 100.1
150 155.1 0.0 352.2

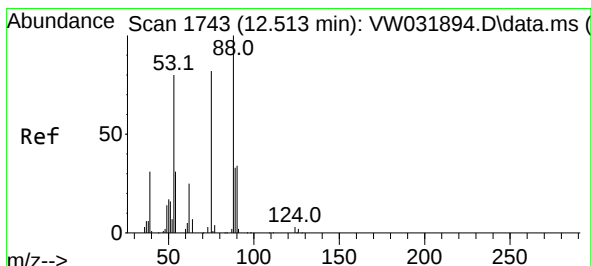
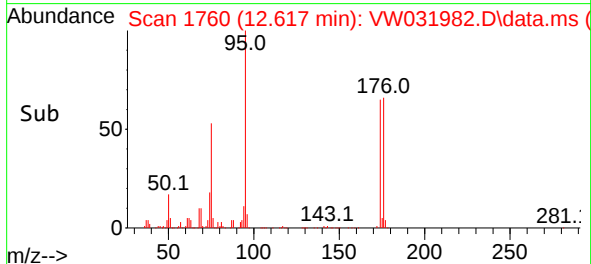
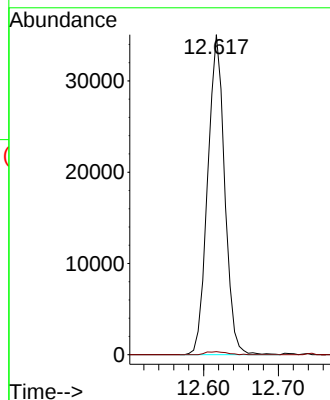
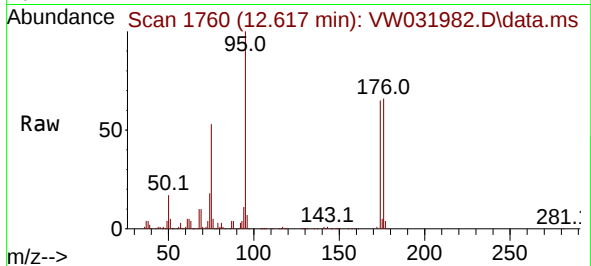




#76
1,2,3-Trichloropropane
Concen: 41.723 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion: 75 Resp: 55302
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.327 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion: 75 Resp: 55302
Ion Ratio Lower Upper
75 100
53 0.1 83.7 125.5#
89 0.0 39.0 58.6#

