

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031981.D
 Acq On : 01 Aug 2025 13:24
 Operator : SY/MD
 Sample : Q2747-07
 Misc : 2.78g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-TSCP01-073125

Quant Time: Aug 01 23:12:38 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)

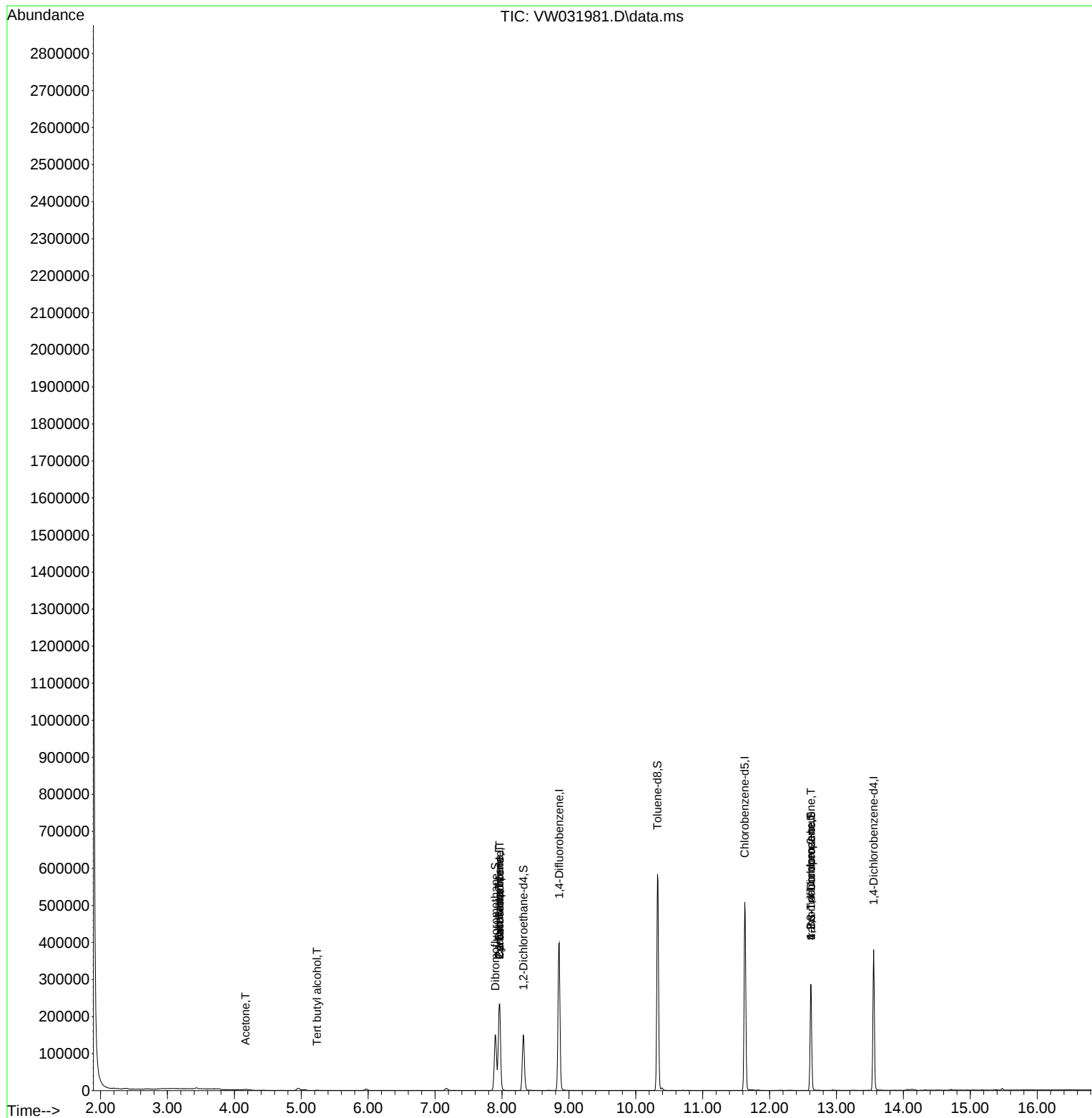
Internal Standards						
1) Pentafluorobenzene	7.965	168	167026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	345398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	278680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	92634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	122782	48.594	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	97.180%	
35) Dibromofluoromethane	7.898	113	112710	48.022	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	96.040%	
50) Toluene-d8	10.325	98	393444	44.293	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	88.580%	
62) 4-Bromofluorobenzene	12.617	95	103545	30.358	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	60.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.234	59	452	3.043	ug/l #	72
13) Acrolein	3.899	56	19	Below Cal	#	1
16) Acetone	4.167	43	2356	3.929	ug/l	97
20) Methylene Chloride	4.954	84	5564	Below Cal	#	81
31) Cyclohexane	7.959	56	4151	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	15654	4.343	ug/l #	49
38) Carbon Tetrachloride	7.965	117	19622	5.672	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	52103	40.739	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	52103	94.055	ug/l #	8

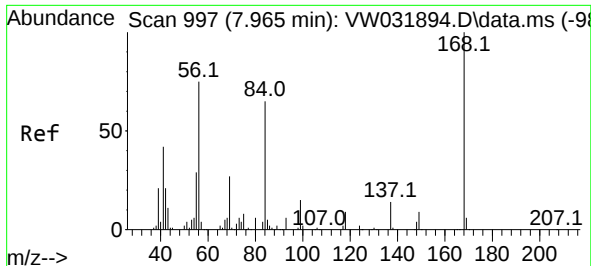
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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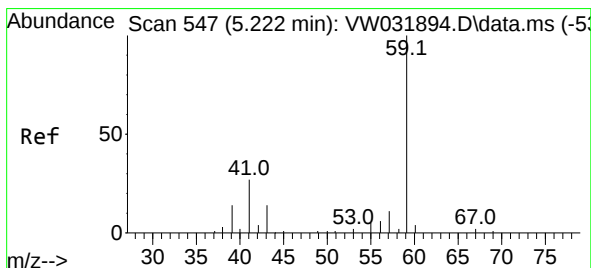
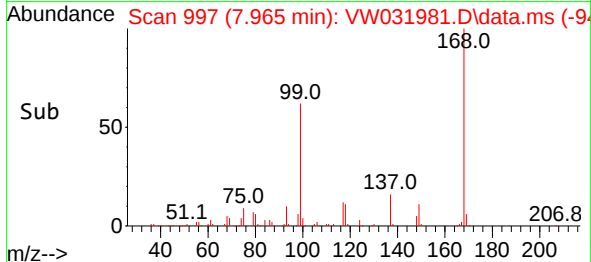
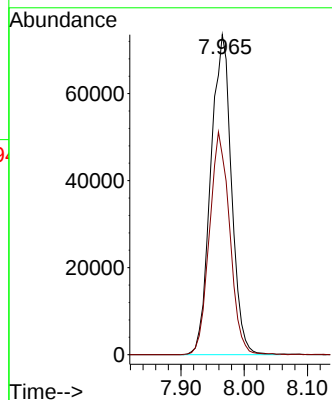
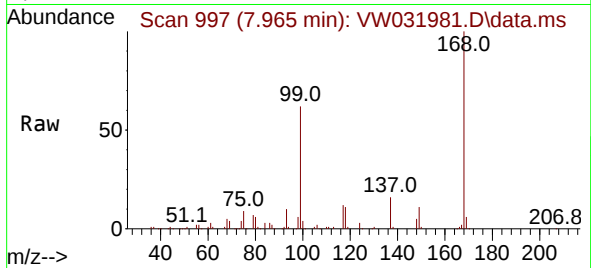




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

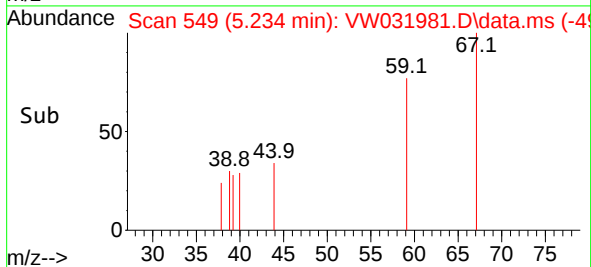
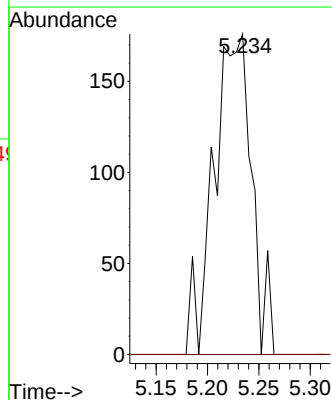
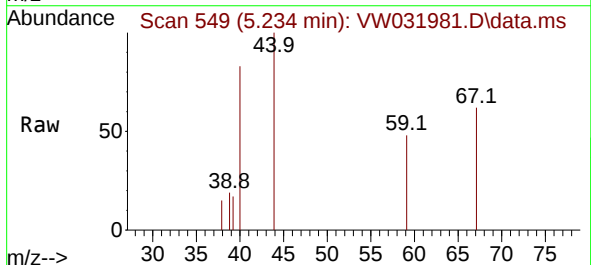
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MSVOA_W
ClientSampleId :
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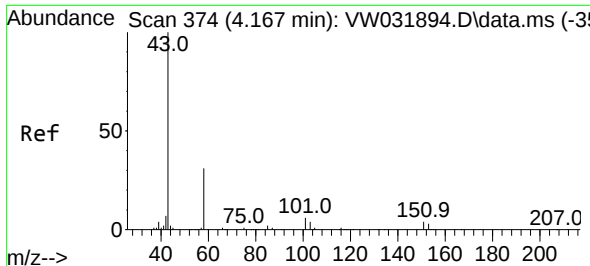
Tgt Ion:168 Resp: 167026
Ion Ratio Lower Upper
168 100
99 62.3 48.2 72.2



#11
Tert butyl alcohol
Concen: 3.043 ug/l
RT: 5.234 min Scan# 549
Delta R.T. 0.012 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Tgt Ion: 59 Resp: 452
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

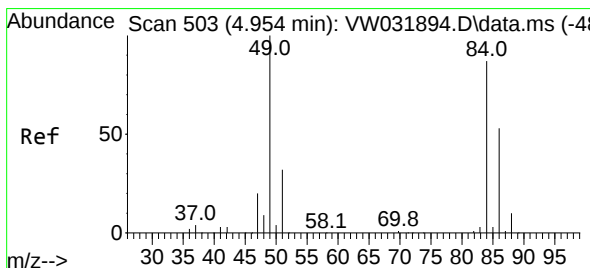
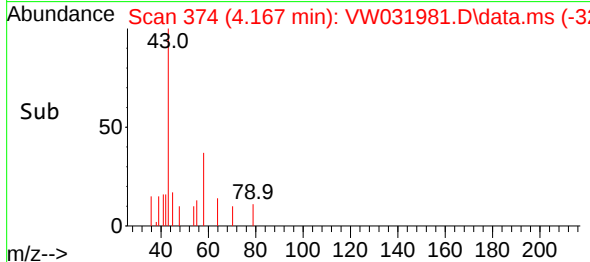
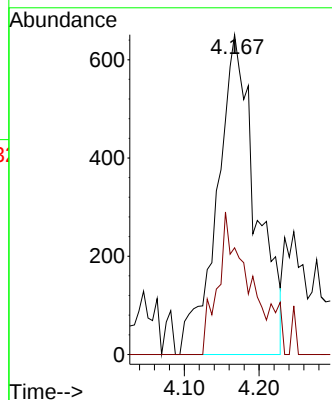
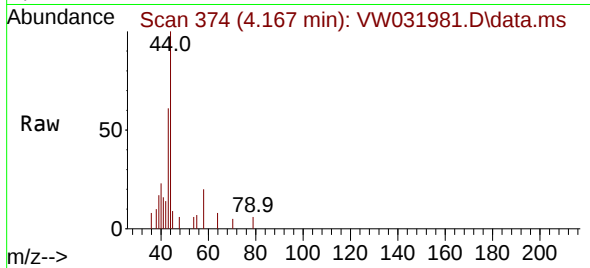




#16
Acetone
Concen: 3.929 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

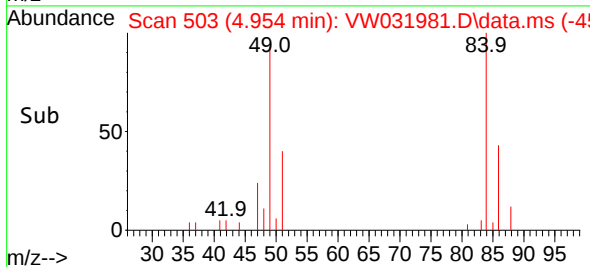
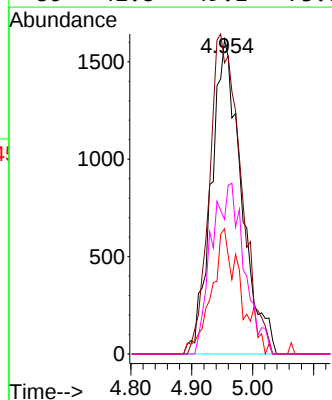
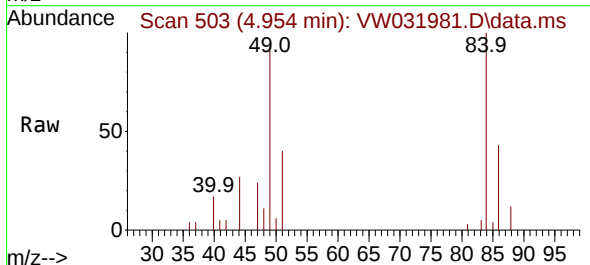
Instrument :
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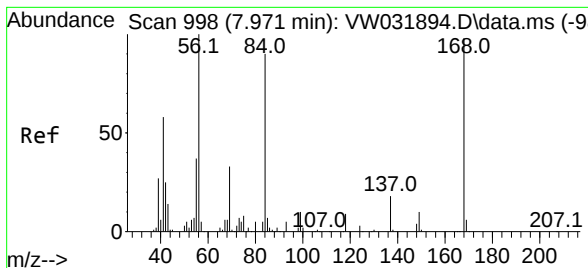
Tgt Ion: 43 Resp: 2356
Ion Ratio Lower Upper
43 100
58 33.3 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Tgt Ion: 84 Resp: 5564
Ion Ratio Lower Upper
84 100
49 92.6 91.9 137.9
51 39.8 29.0 43.6
86 42.8 49.1 73.7#

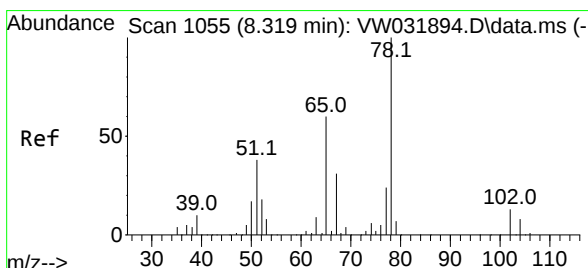
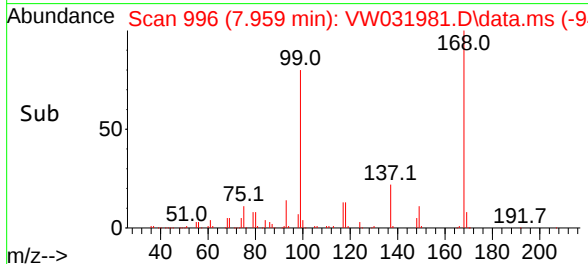
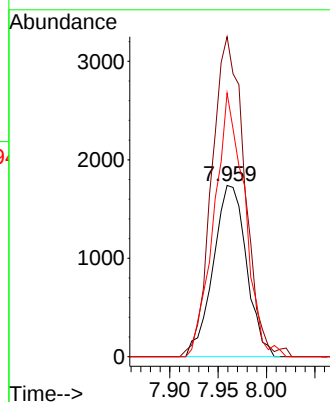
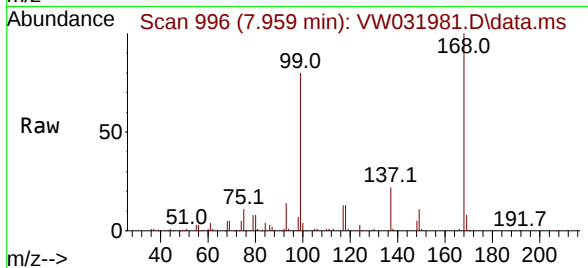




#31
Cyclohexane
Concen: 1.071 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

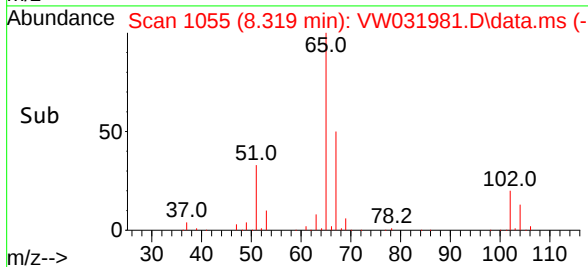
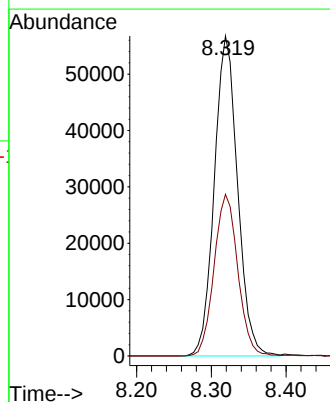
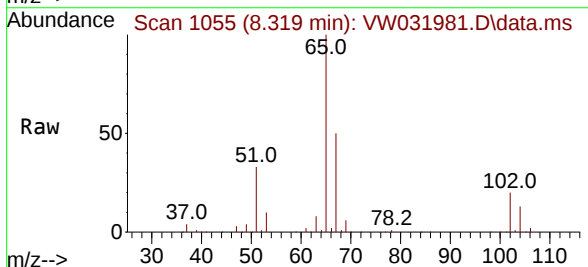
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

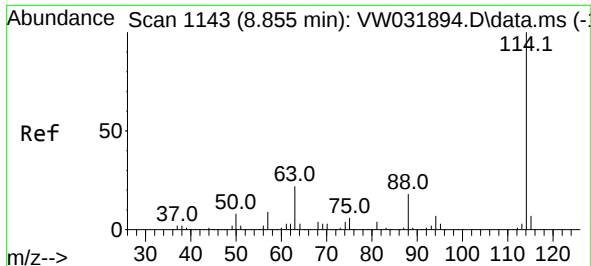
Tgt Ion: 56 Resp: 4151
Ion Ratio Lower Upper
56 100
69 186.9 26.7 40.1#
84 154.0 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 48.594 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Tgt Ion: 65 Resp: 122782
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.4

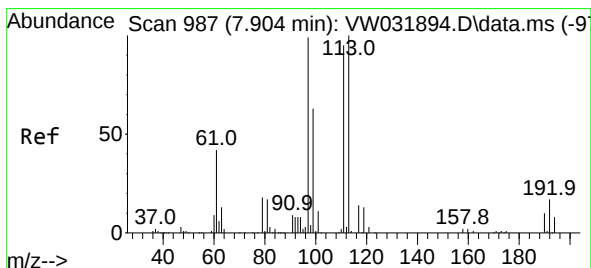
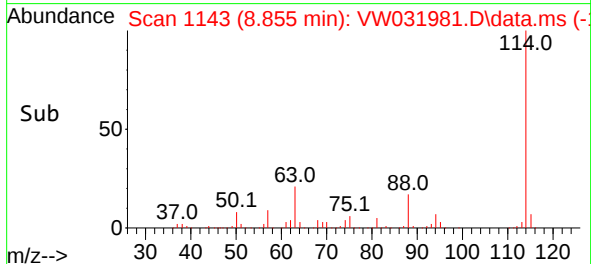
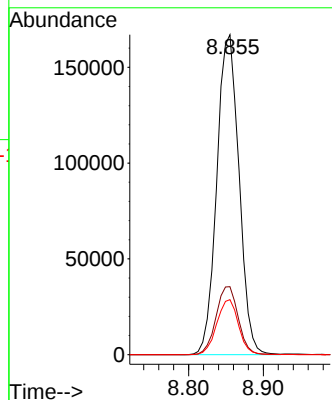
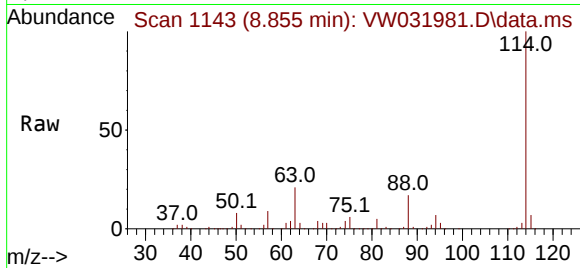




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

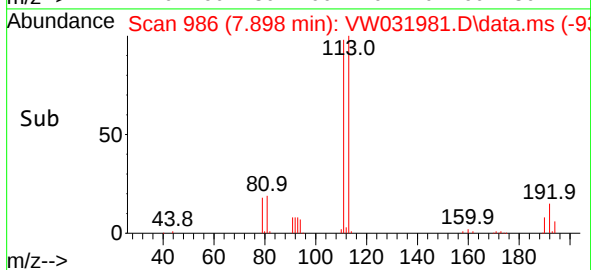
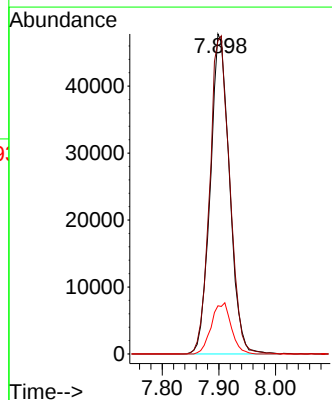
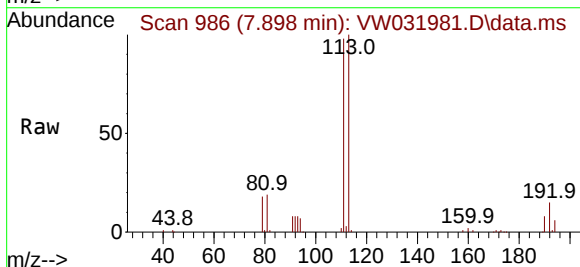
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

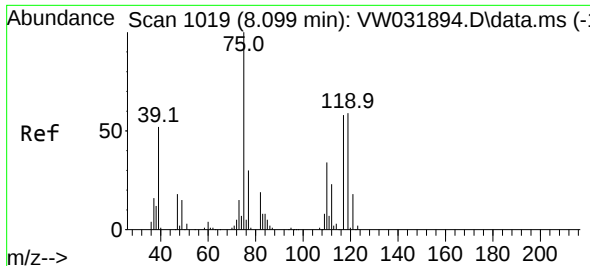
Tgt Ion:114 Resp: 345398
Ion Ratio Lower Upper
114 100
63 21.3 0.0 44.2
88 17.2 0.0 35.6



#35
Dibromofluoromethane
Concen: 48.022 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Tgt Ion:113 Resp: 112710
Ion Ratio Lower Upper
113 100
111 102.7 79.9 119.9
192 16.4 12.6 19.0

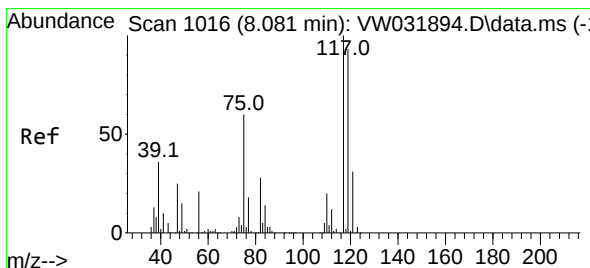
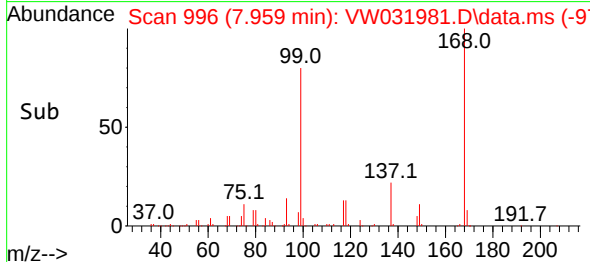
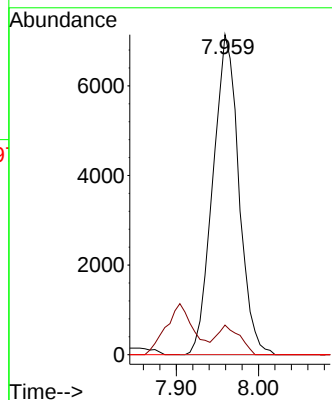
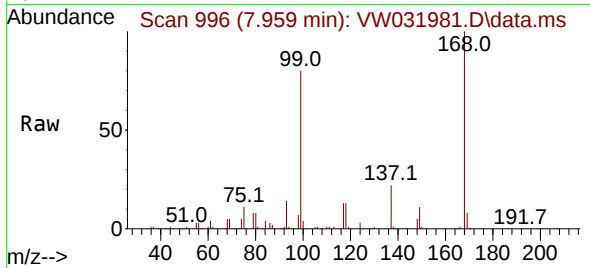




#36
 1,1-Dichloropropene
 Concen: 4.343 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW031981.D
 Acq: 01 Aug 2025 13:24

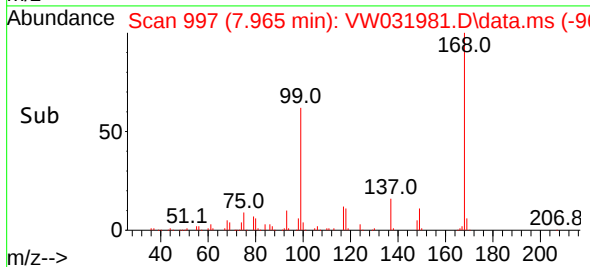
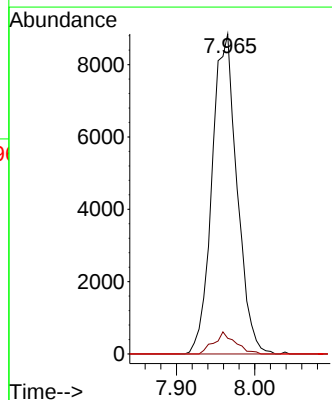
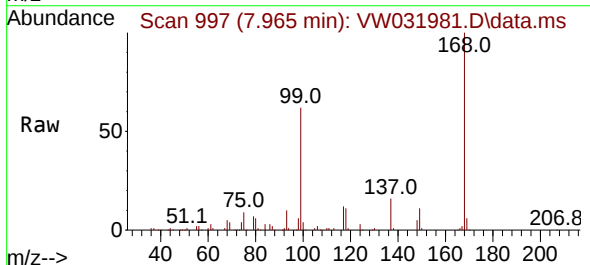
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 ClientSampleId :
 OU4-TS-GRILLO-TSCP01-073125

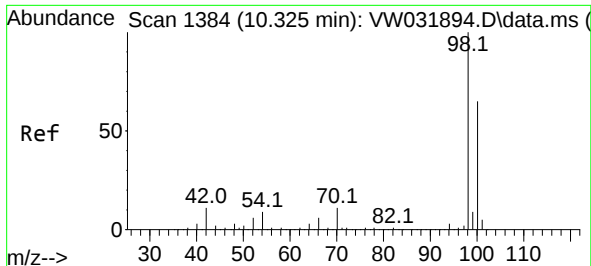
Tgt Ion: 75 Resp: 15654
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.0 50.9#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.672 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.116 min
 Lab File: VW031981.D
 Acq: 01 Aug 2025 13:24

Tgt Ion: 117 Resp: 19622
 Ion Ratio Lower Upper
 117 100
 119 4.9 74.3 111.5#
 121 0.0 24.6 37.0#

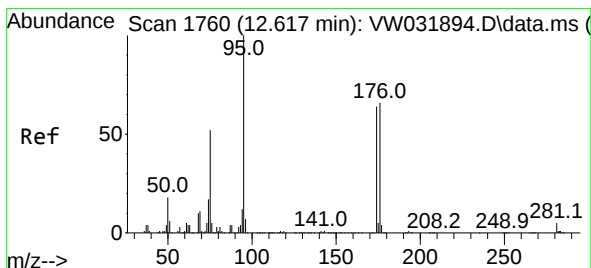
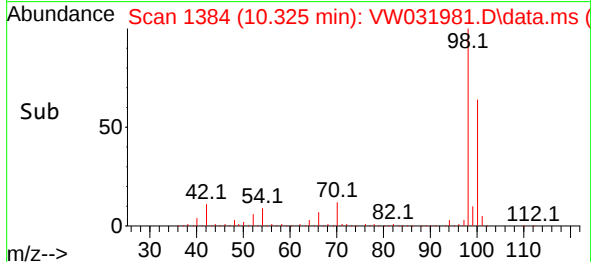
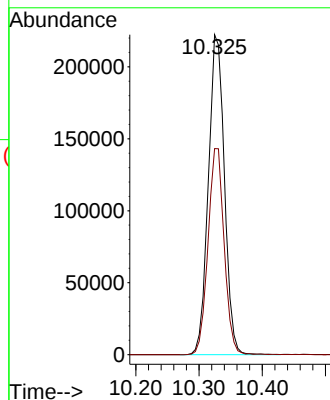
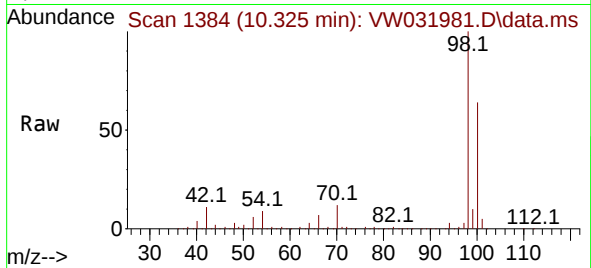




#50
Toluene-d8
Concen: 44.293 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

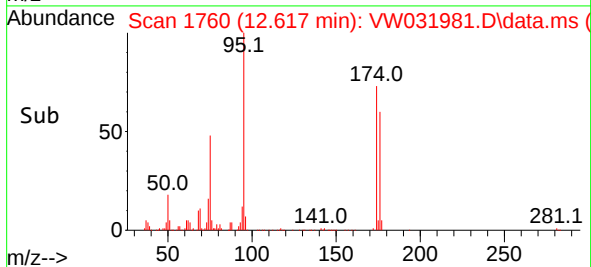
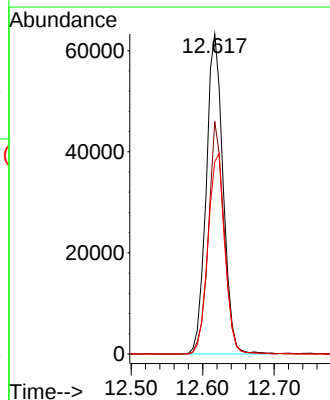
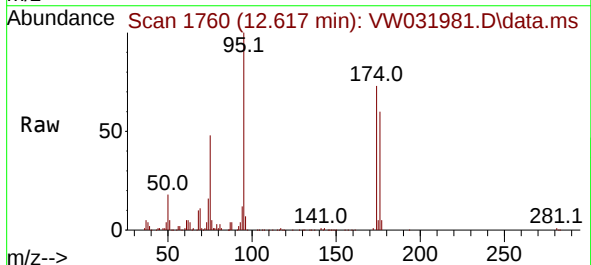
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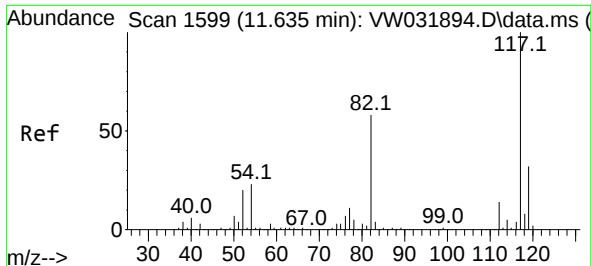
Tgt Ion: 98 Resp: 393444
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 30.358 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Tgt Ion: 95 Resp: 103545
Ion Ratio Lower Upper
95 100
174 67.5 0.0 129.8
176 63.1 0.0 130.4

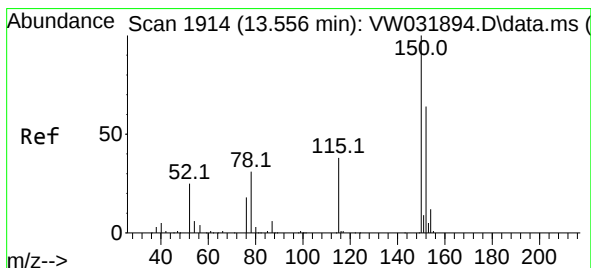
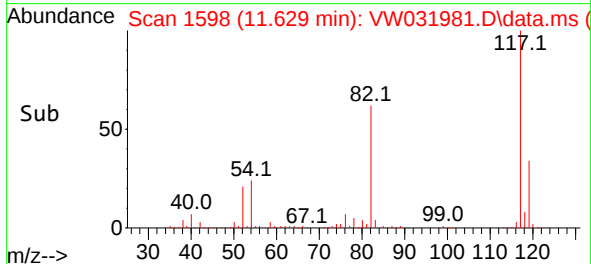
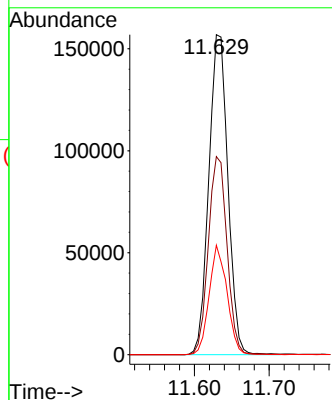
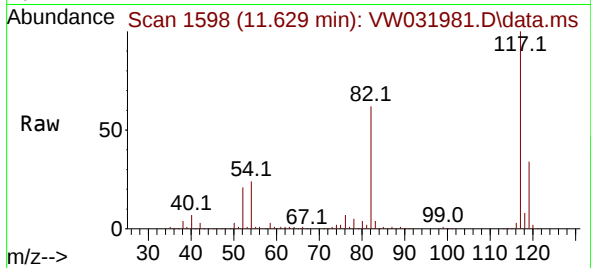




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. -0.006 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

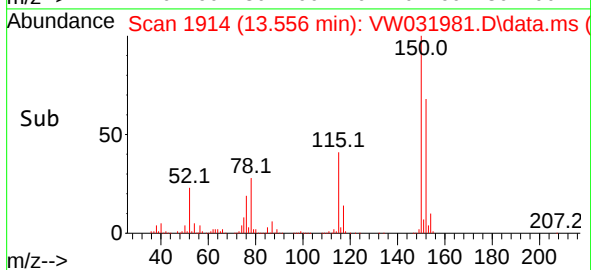
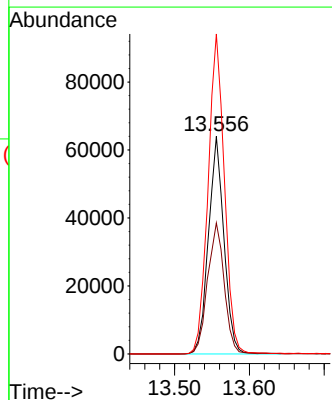
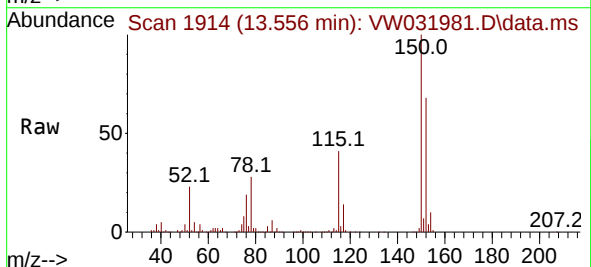
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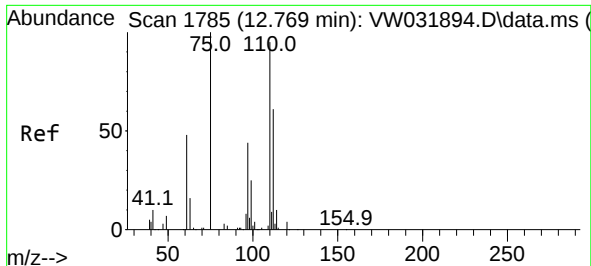
Tgt Ion:117 Resp: 278680
Ion Ratio Lower Upper
117 100
82 61.9 46.5 69.7
119 34.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Tgt Ion:152 Resp: 92634
Ion Ratio Lower Upper
152 100
115 64.3 33.4 100.1
150 154.3 0.0 352.2

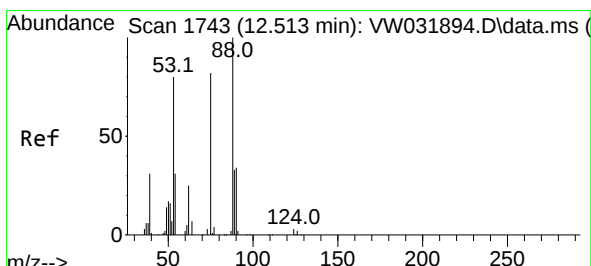
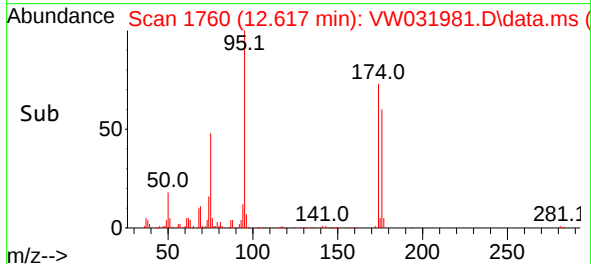
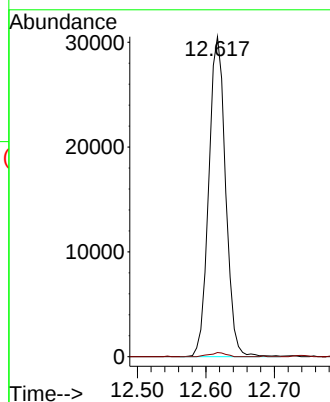
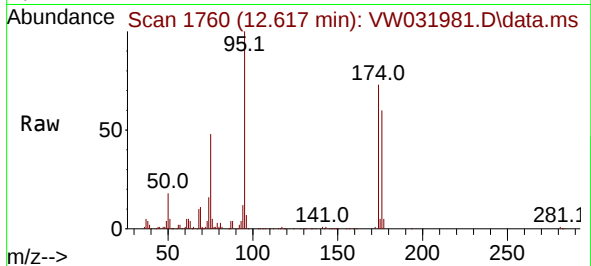




#76
1,2,3-Trichloropropane
Concen: 40.739 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion: 75 Resp: 52103
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.055 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Tgt Ion: 75 Resp: 52103
Ion Ratio Lower Upper
75 100
53 0.1 83.7 125.5#
89 0.0 39.0 58.6#

