

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031805.D
 Acq On : 10 Jul 2025 15:58
 Operator : SY/MD
 Sample : Q2551-03
 Misc : 4.03g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-30-070925

Quant Time: Jul 11 02:22:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

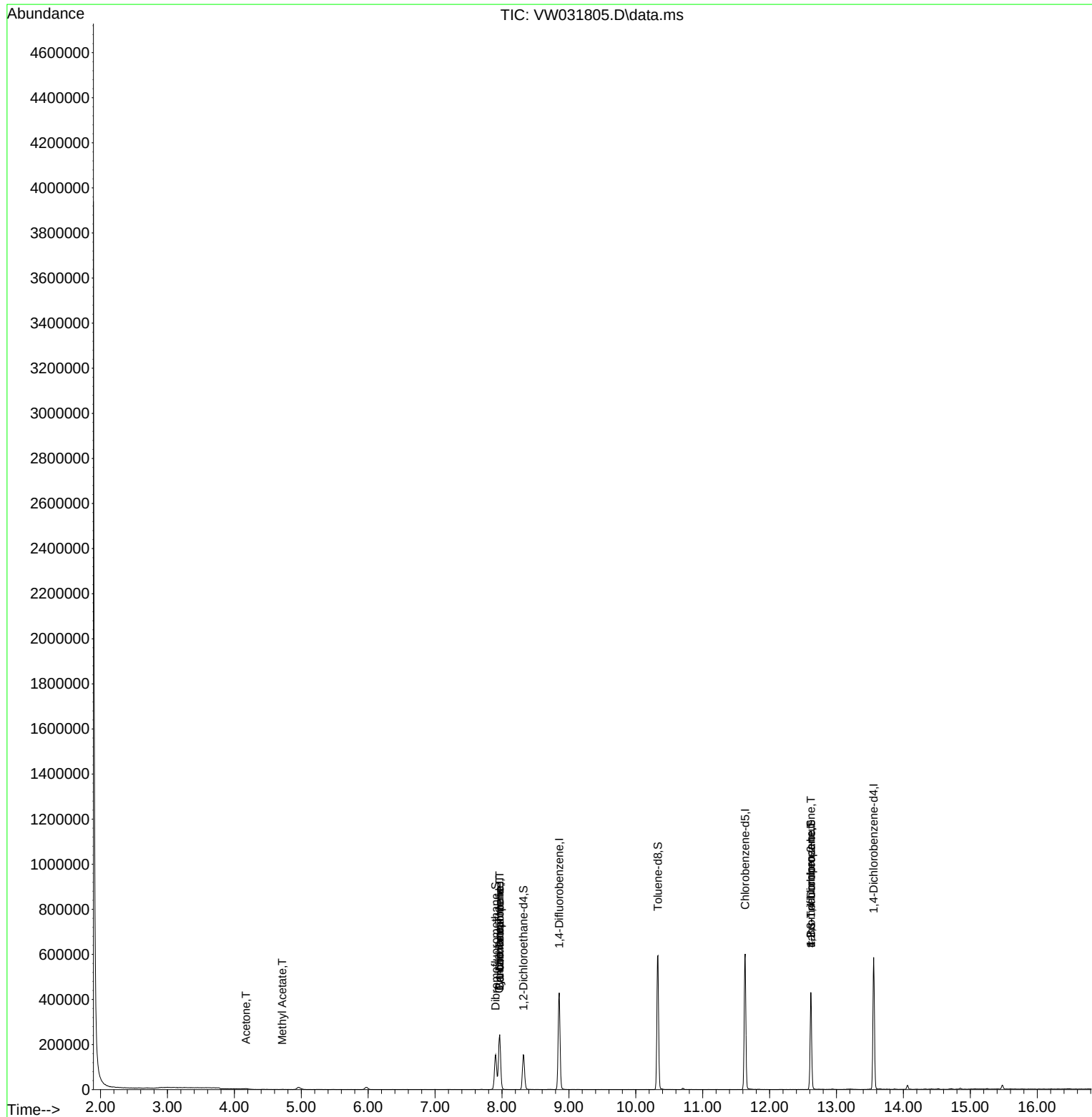
Internal Standards						
1) Pentafluorobenzene	7.965	168	164102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	356847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	318986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	145135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	129914	55.164	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.320%
35) Dibromofluoromethane	7.904	113	109107	46.856	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	93.720%
50) Toluene-d8	10.331	98	398020	45.931	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.860%
62) 4-Bromofluorobenzene	12.617	95	148223	46.480	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	92.960%
Target Compounds						
					Qvalue	
16) Acetone	4.173	43	2270	3.900	ug/l #	86
18) Methyl Acetate	4.716	43	1779	1.069	ug/l	93
20) Methylene Chloride	4.960	84	8516	Below Cal		94
31) Cyclohexane	7.959	56	4321	1.289	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	15495	4.599	ug/l #	52
38) Carbon Tetrachloride	7.965	117	19132	5.572	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	77840	41.502	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	77840	96.666	ug/l #	8

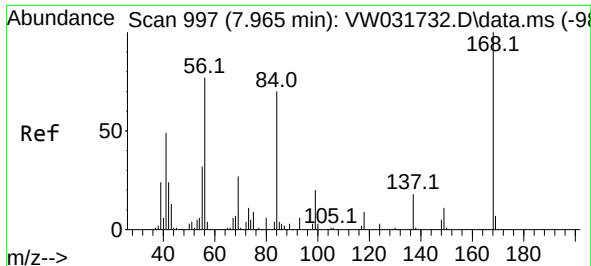
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-TS-30-070925

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QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

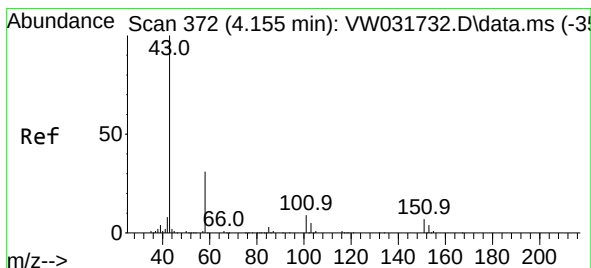
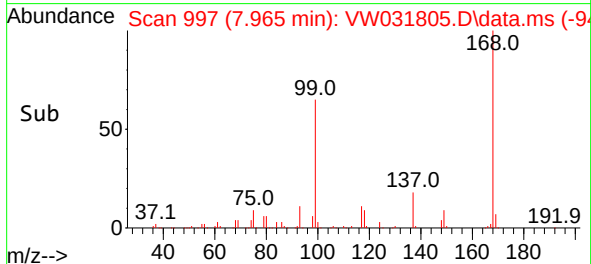
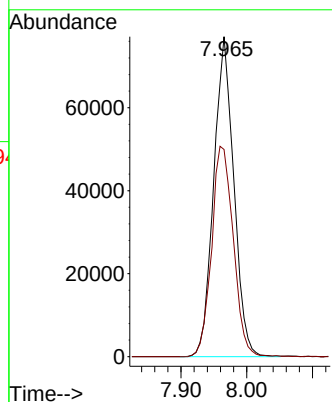
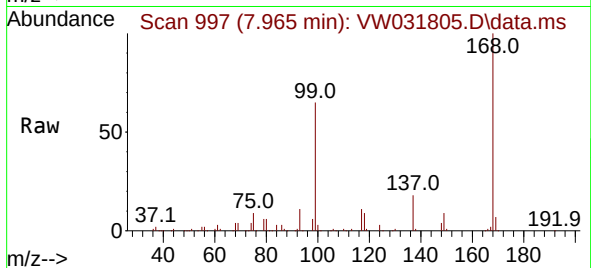




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

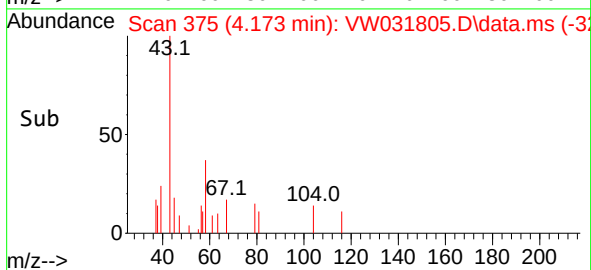
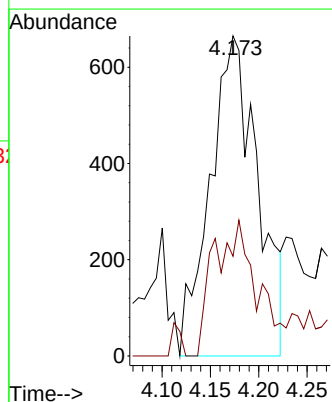
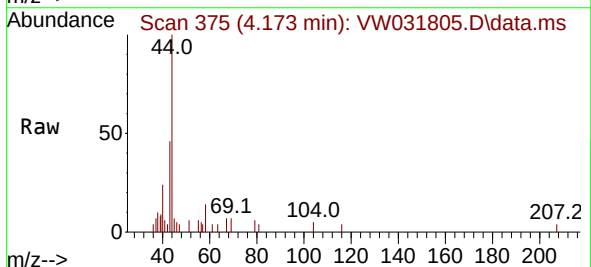
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-30-070925

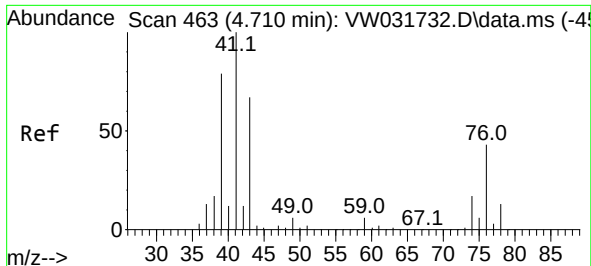
Tgt Ion:168 Resp: 164102
Ion Ratio Lower Upper
168 100
99 64.7 49.4 74.2



#16
Acetone
Concen: 3.900 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.019 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

Tgt Ion: 43 Resp: 2270
Ion Ratio Lower Upper
43 100
58 23.5 24.8 37.2#

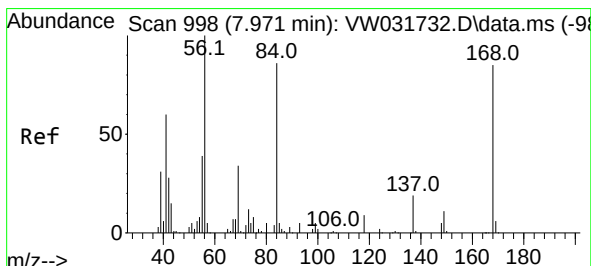
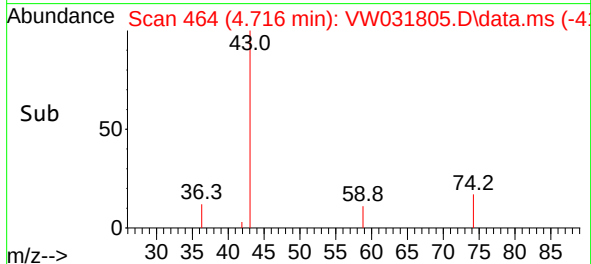
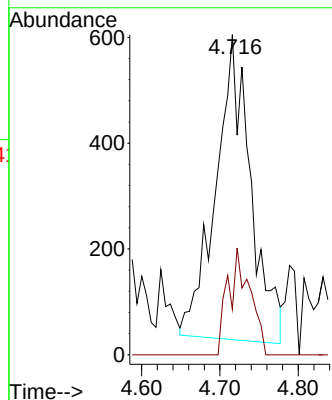
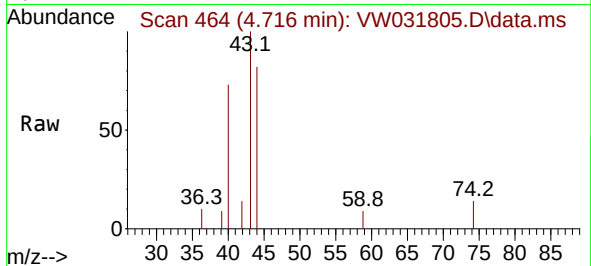




#18
Methyl Acetate
Concen: 1.069 ug/l
RT: 4.716 min Scan# 418
Delta R.T. 0.006 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

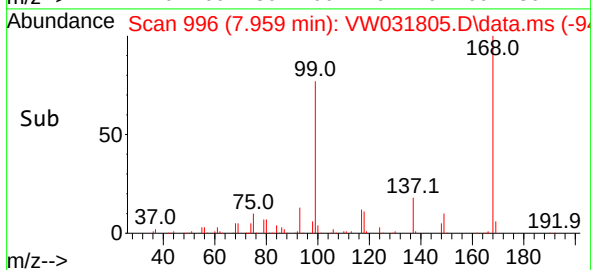
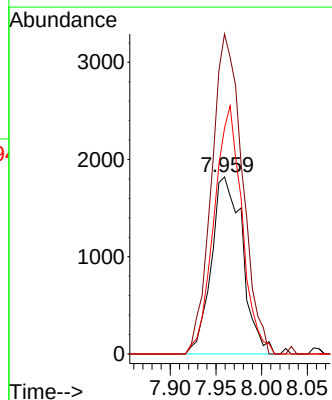
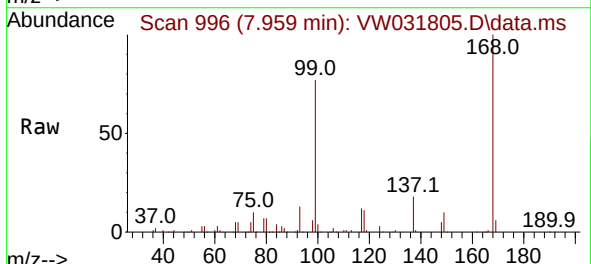
Instrument :
MSVOA_W
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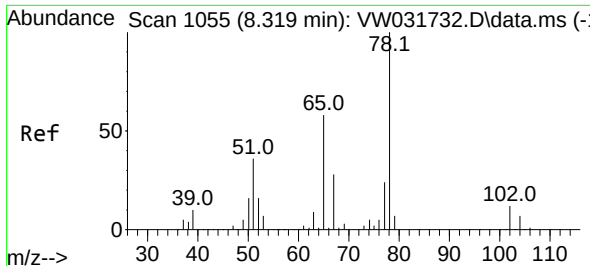
Tgt Ion: 43 Resp: 1779
Ion Ratio Lower Upper
43 100
74 22.0 20.6 30.8



#31
Cyclohexane
Concen: 1.289 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

Tgt Ion: 56 Resp: 4321
Ion Ratio Lower Upper
56 100
69 180.9 27.2 40.8#
84 127.7 68.5 102.7#

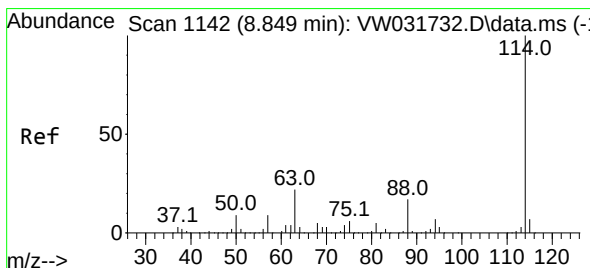
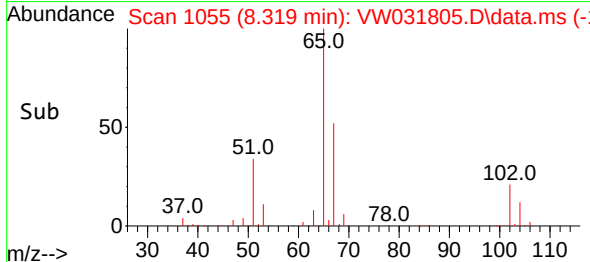
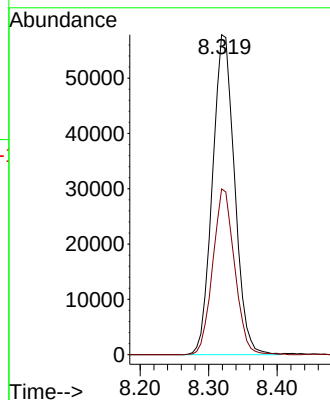
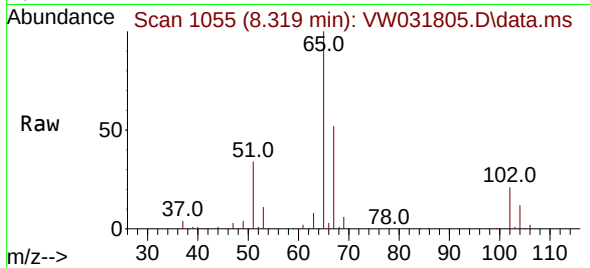




#33
 1,2-Dichloroethane-d4
 Concen: 55.164 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031805.D
 Acq: 10 Jul 2025 15:58

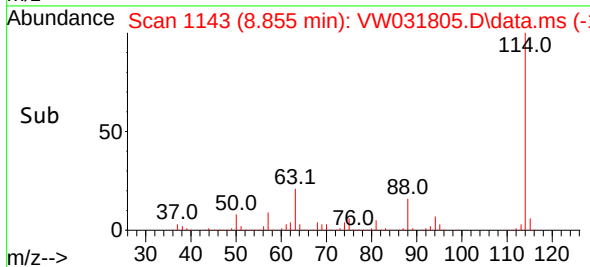
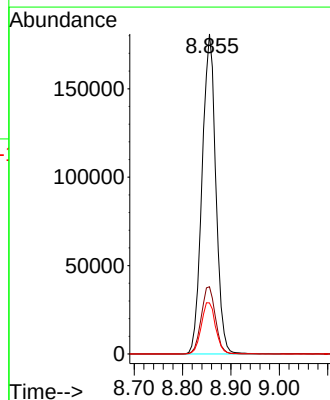
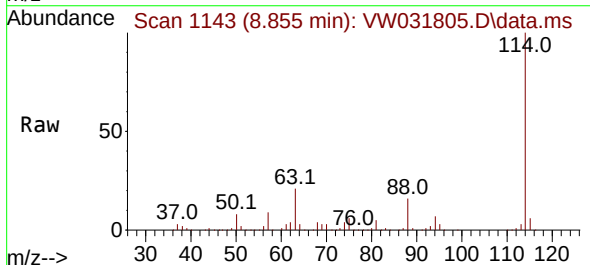
Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-30-070925

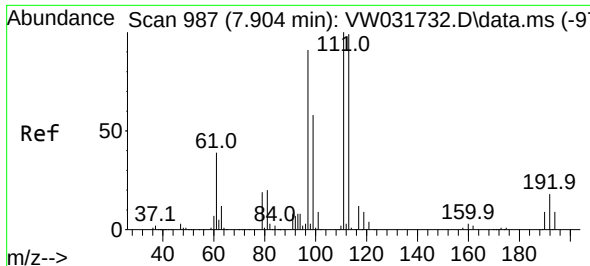
Tgt Ion: 65 Resp: 129914
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW031805.D
 Acq: 10 Jul 2025 15:58

Tgt Ion: 114 Resp: 356847
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.6
 88 16.0 0.0 34.2

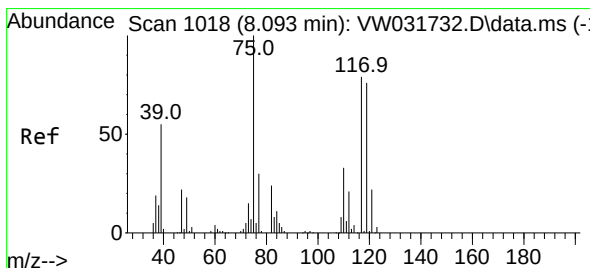
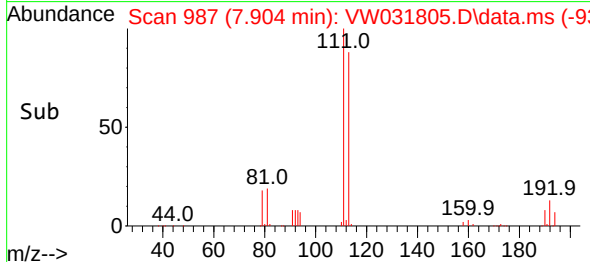
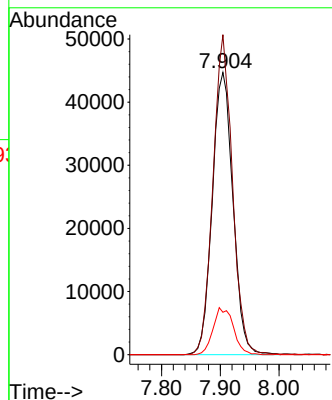
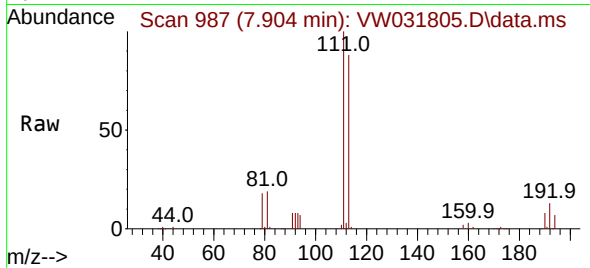




#35
Dibromofluoromethane
Concen: 46.856 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

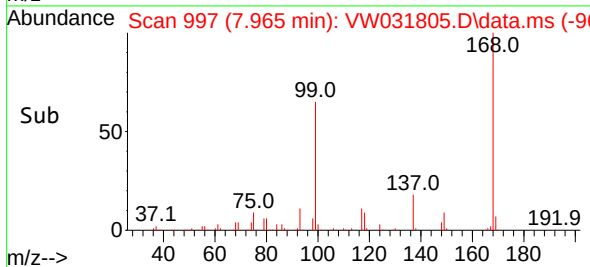
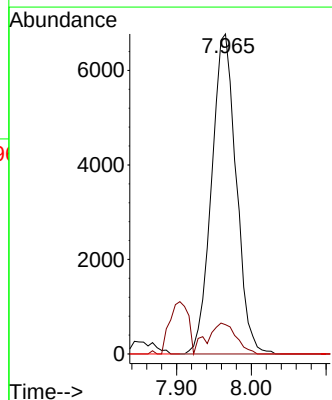
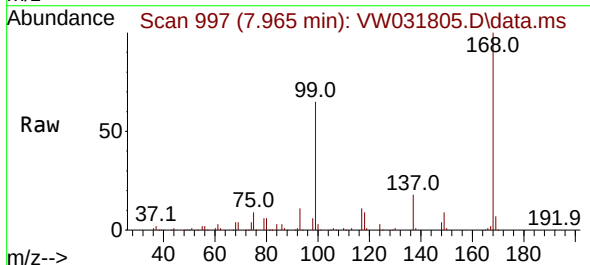
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-30-070925

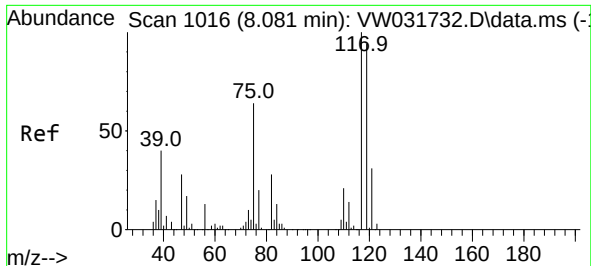
Tgt Ion:113 Resp: 109107
Ion Ratio Lower Upper
113 100
111 106.7 82.1 123.1
192 16.4 13.8 20.6



#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.128 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

Tgt Ion: 75 Resp: 15495
Ion Ratio Lower Upper
75 100
110 10.5 16.8 50.4#
77 0.0 25.0 37.6#

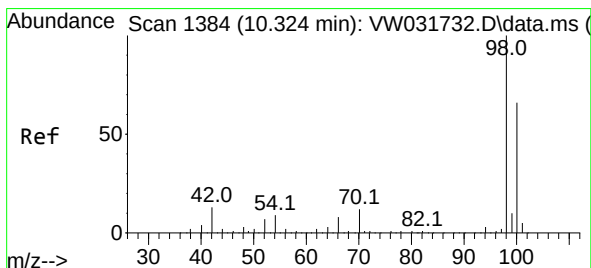
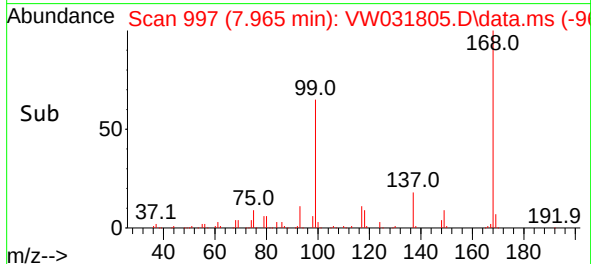
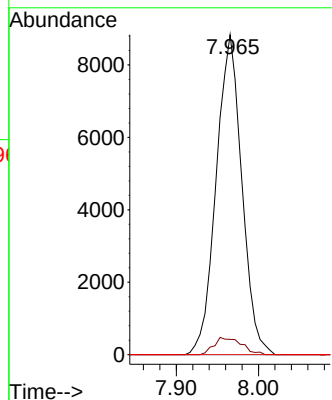
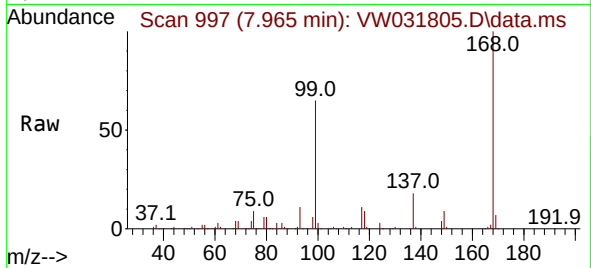




#38
Carbon Tetrachloride
Concen: 5.572 ug/l
RT: 7.965 min Scan# 91
Delta R.T. -0.116 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

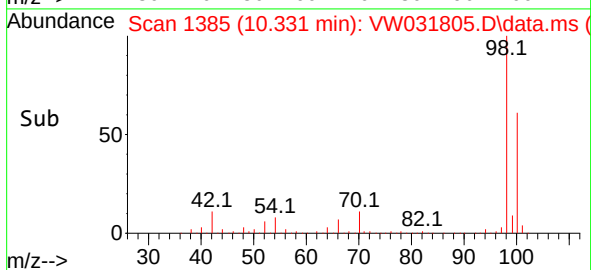
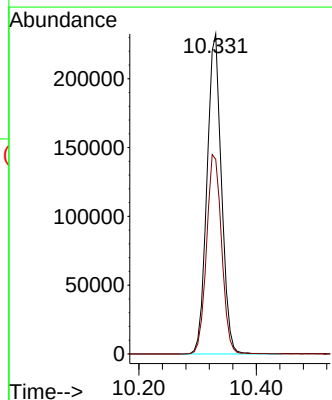
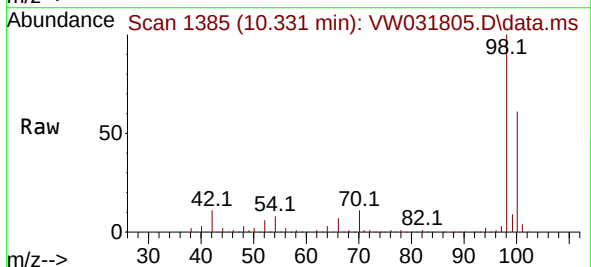
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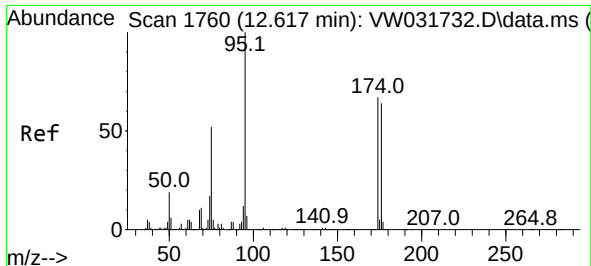
Tgt Ion:117 Resp: 19132
Ion Ratio Lower Upper
117 100
119 4.8 75.0 112.6#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 45.931 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

Tgt Ion: 98 Resp: 398020
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.4

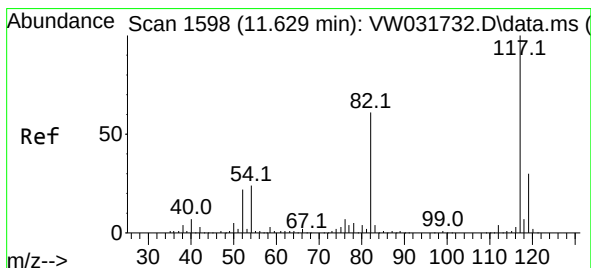
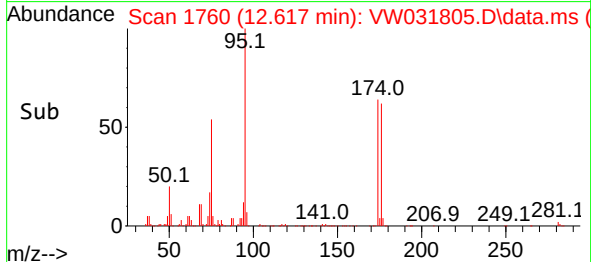
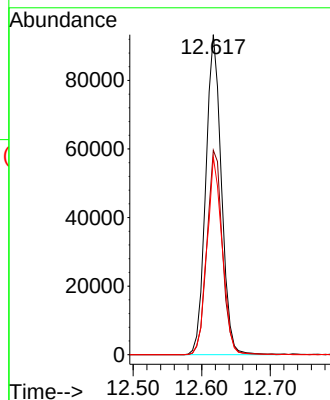
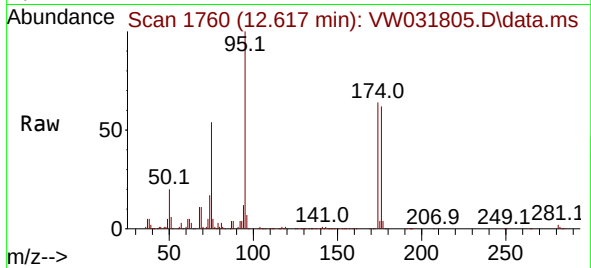




#62
4-Bromofluorobenzene
Concen: 46.480 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

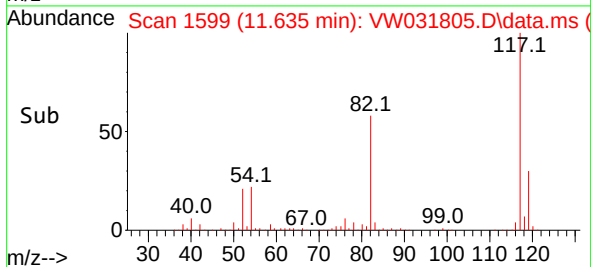
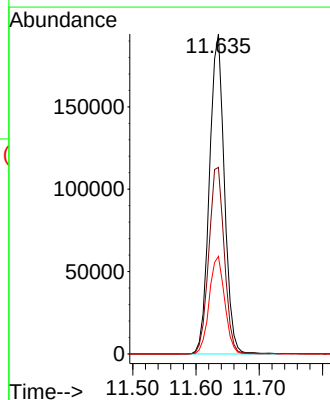
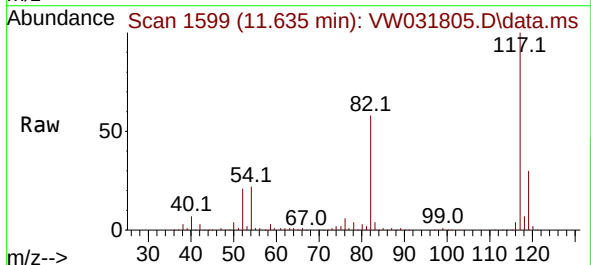
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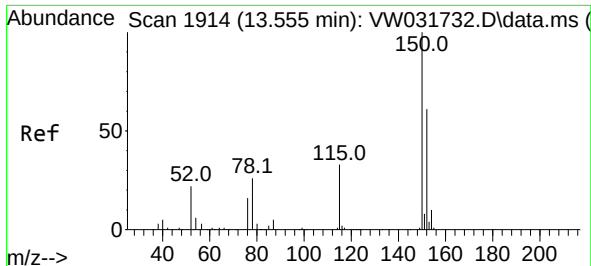
Tgt Ion: 95 Resp: 148223
Ion Ratio Lower Upper
95 100
174 63.2 0.0 133.8
176 60.7 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

Tgt Ion: 117 Resp: 318986
Ion Ratio Lower Upper
117 100
82 58.3 48.6 72.8
119 30.5 23.9 35.9

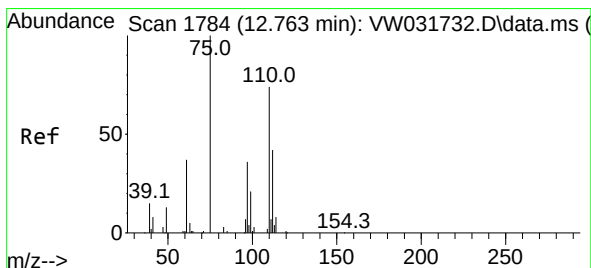
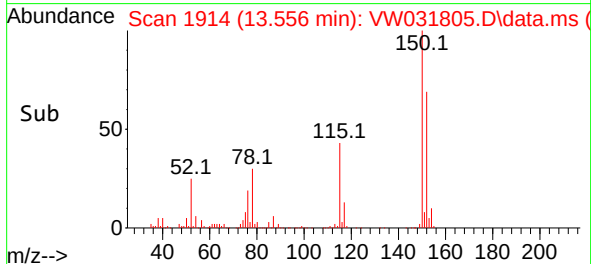
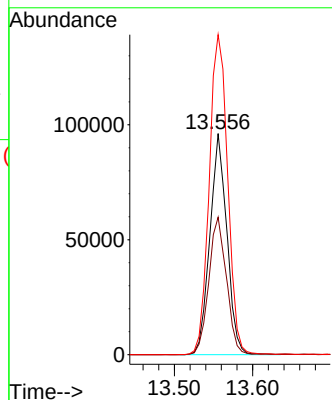
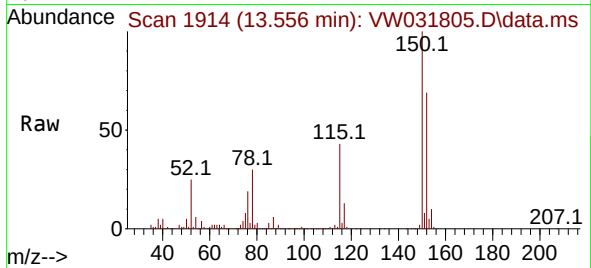




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031805.D
 Acq: 10 Jul 2025 15:58

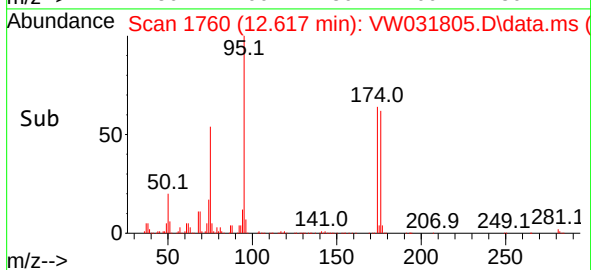
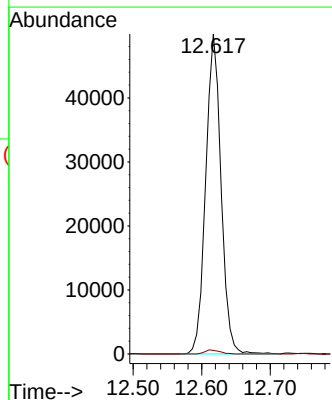
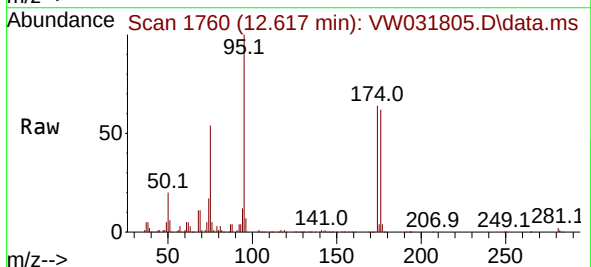
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 OU4-TS-30-070925

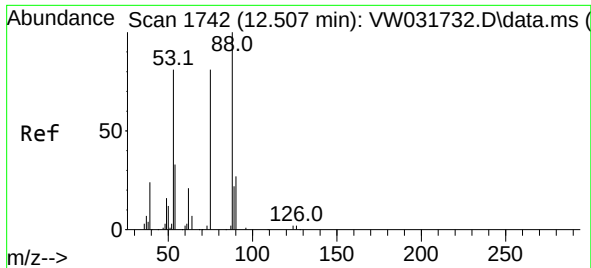
Tgt Ion:152 Resp: 145135
 Ion Ratio Lower Upper
 152 100
 115 64.6 31.9 95.7
 150 156.8 0.0 356.4



#76
 1,2,3-Trichloropropane
 Concen: 41.502 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW031805.D
 Acq: 10 Jul 2025 15:58

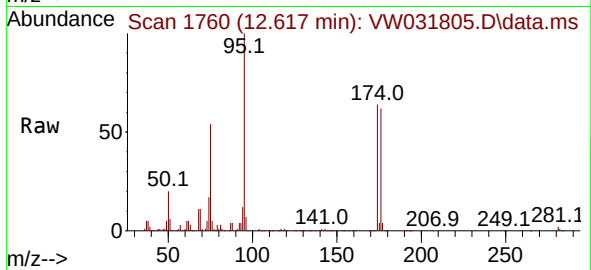
Tgt Ion: 75 Resp: 77840
 Ion Ratio Lower Upper
 75 100
 77 1.2 141.2 423.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.666 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW031805.D
 Acq: 10 Jul 2025 15:58

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-30-070925



Tgt Ion: 75 Resp: 77840
 Ion Ratio Lower Upper
 75 100
 53 0.1 83.5 125.3#
 89 0.1 38.3 57.5#

