

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032473.D
 Acq On : 18 Nov 2025 12:12
 Operator : SY/MD
 Sample : Q3656-01
 Misc : 5.85g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T2-GRAVEL

Quant Time: Nov 19 00:26:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

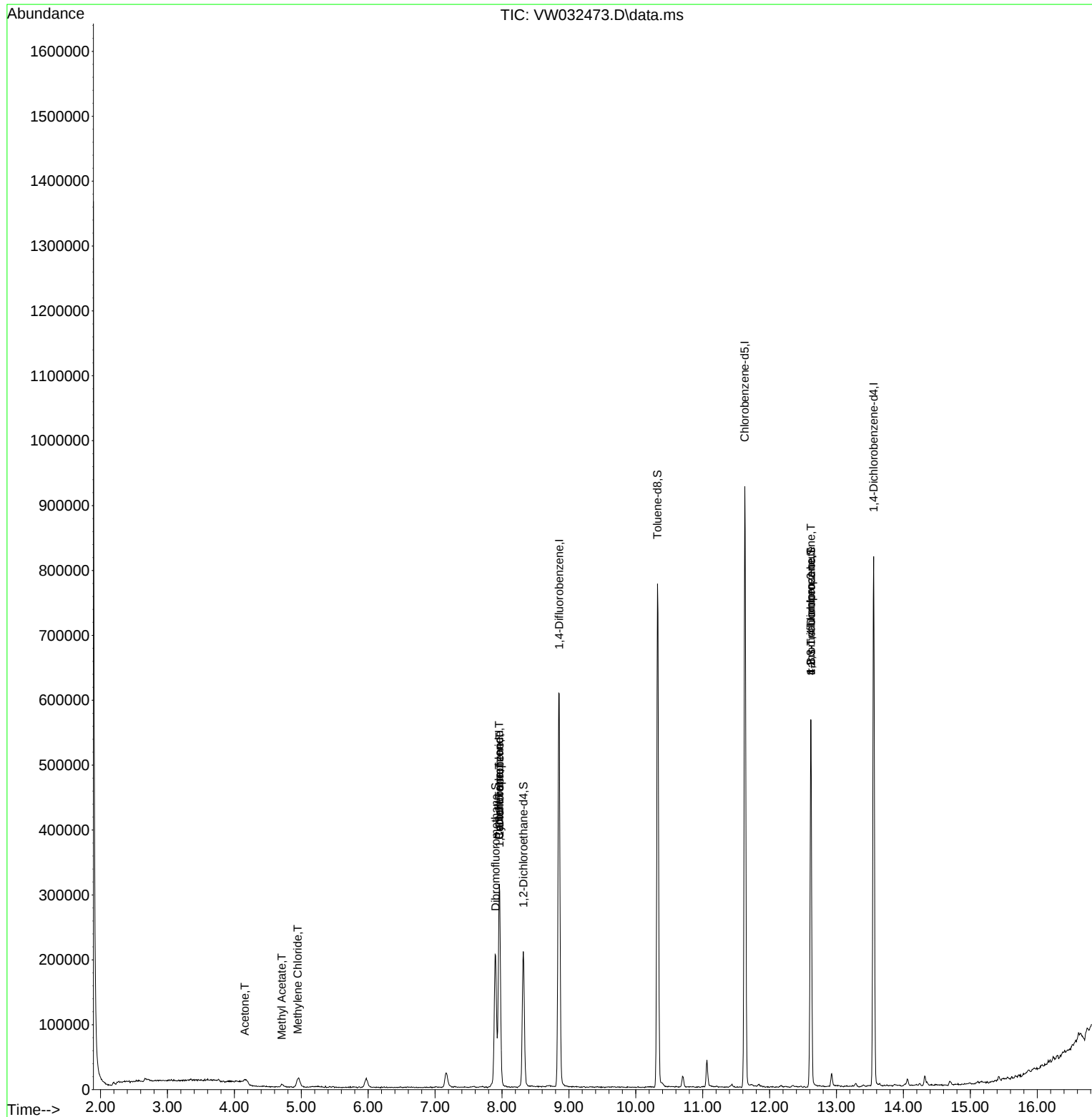
Internal Standards						
1) Pentafluorobenzene	7.959	168	220334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	521704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	506344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	202274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169437	59.648	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 119.300%		
35) Dibromofluoromethane	7.904	113	156925	50.239	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 100.480%		
50) Toluene-d8	10.325	98	509446	42.514	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 85.020%		
62) 4-Bromofluorobenzene	12.617	95	200985	44.400	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 88.800%		
Target Compounds						
					Qvalue	
16) Acetone	4.155	43	4620	5.436	ug/l	95
18) Methyl Acetate	4.710	43	8405	3.994	ug/l	96
20) Methylene Chloride	4.947	84	6221	2.047	ug/l	93
31) Cyclohexane	7.959	56	5881	1.251	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	20755	4.510	ug/l #	50
38) Carbon Tetrachloride	7.959	117	23059	5.639	ug/l #	15
76) 1,2,3-Trichloropropane	12.617	75	100449	36.217	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	100449	82.954	ug/l #	11

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

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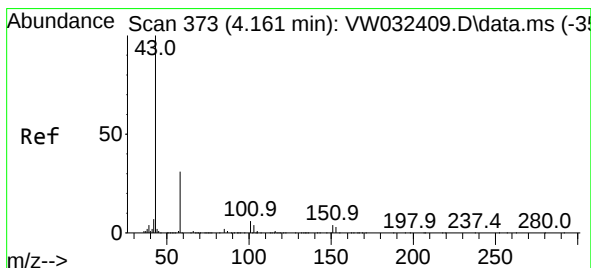
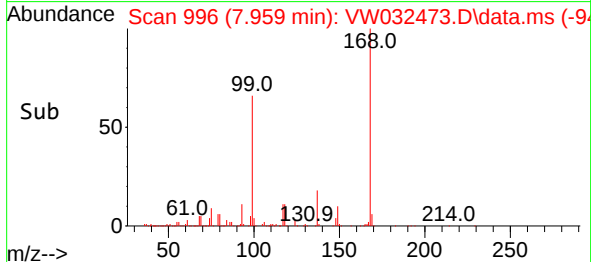
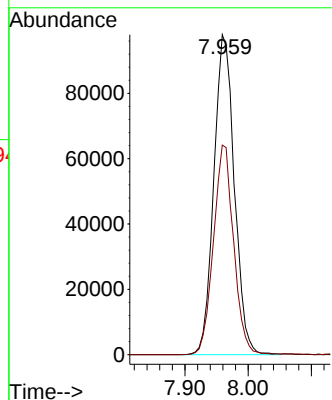
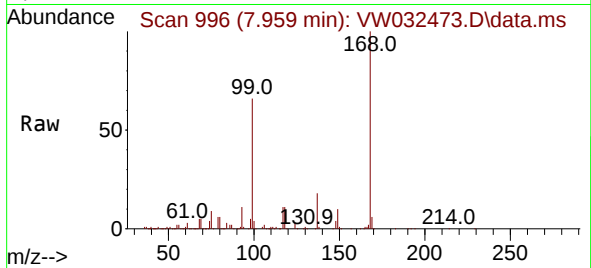




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

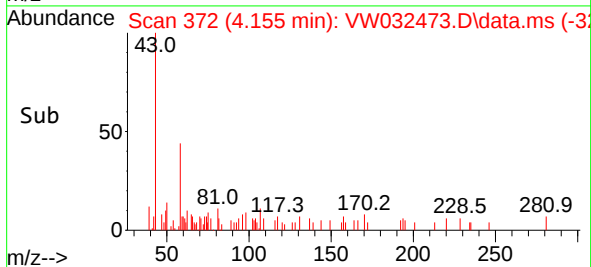
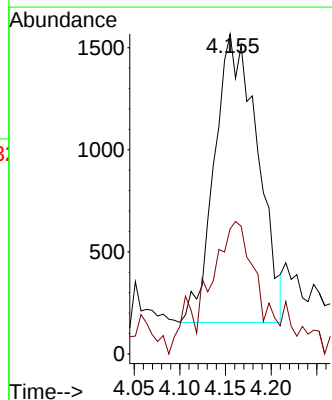
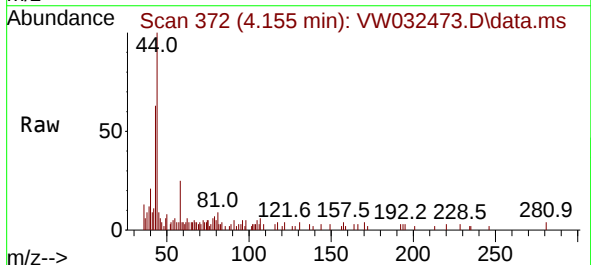
Instrument :
MSVOA_W
ClientSampleId :
T2-GRAVEL

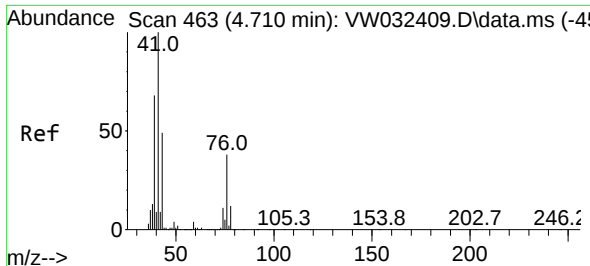
Tgt Ion:168 Resp: 220334
Ion Ratio Lower Upper
168 100
99 65.5 45.4 68.2



#16
Acetone
Concen: 5.436 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

Tgt Ion: 43 Resp: 4620
Ion Ratio Lower Upper
43 100
58 33.8 24.8 37.2

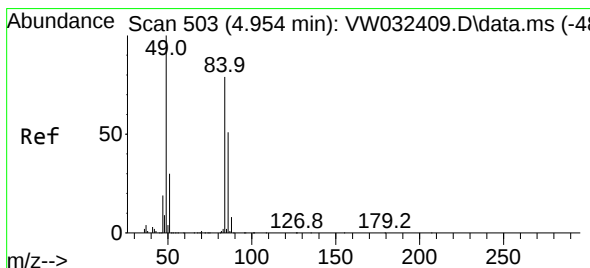
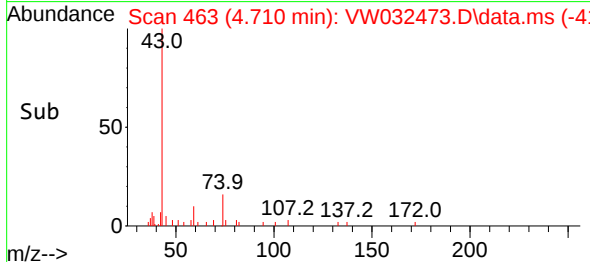
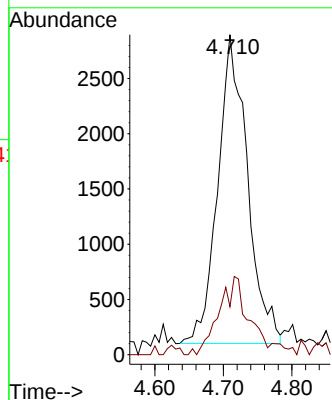
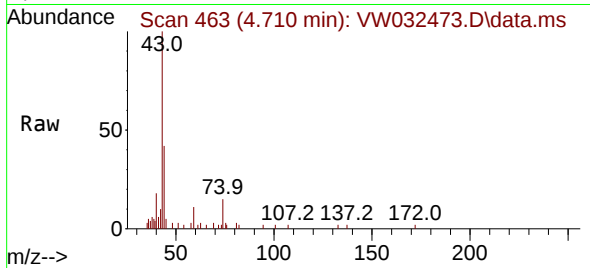




#18
Methyl Acetate
Concen: 3.994 ug/l
RT: 4.710 min Scan# 410
Delta R.T. -0.000 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

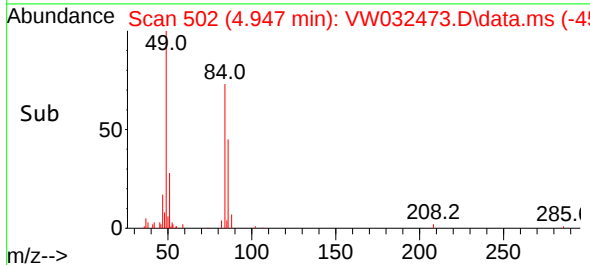
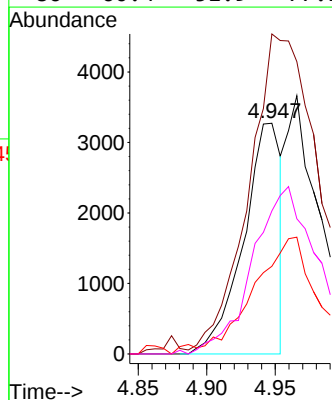
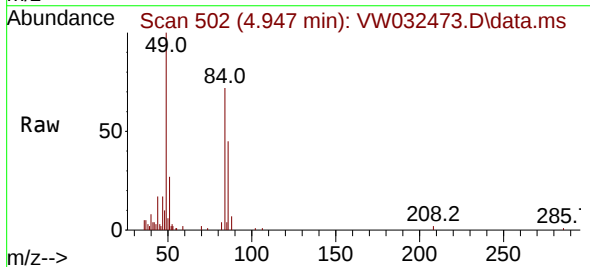
Instrument :
MSVOA_W
ClientSampleId :
T2-GRAVEL

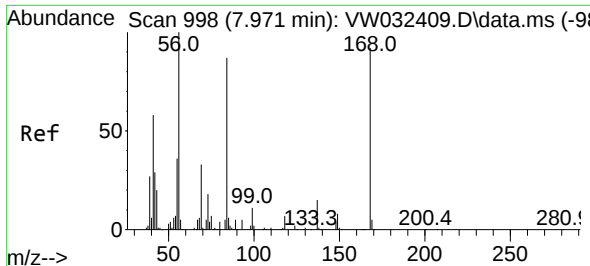
Tgt Ion: 43 Resp: 8405
Ion Ratio Lower Upper
43 100
74 25.5 18.9 28.3



#20
Methylene Chloride
Concen: 2.047 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

Tgt Ion: 84 Resp: 6221
Ion Ratio Lower Upper
84 100
49 136.4 101.5 152.3
51 34.8 30.6 46.0
86 60.4 51.9 77.9

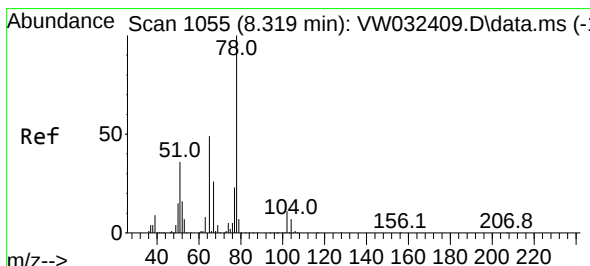
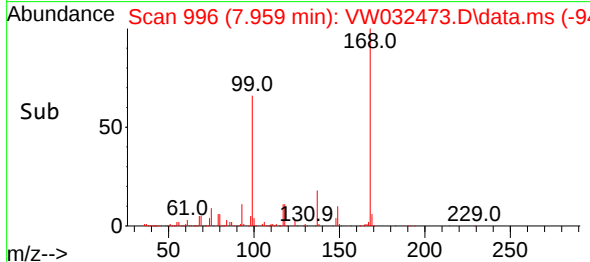
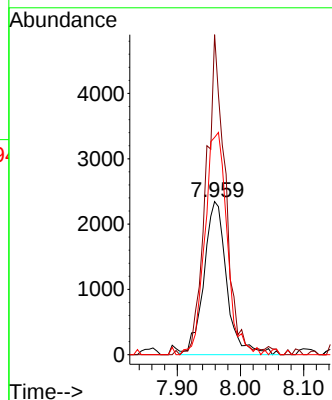
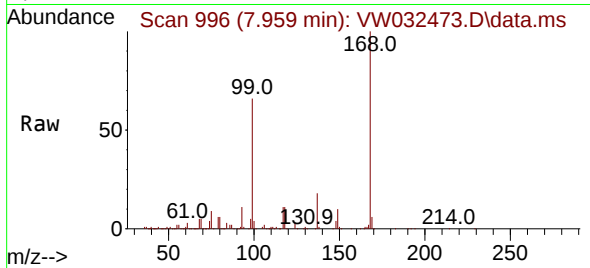




#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

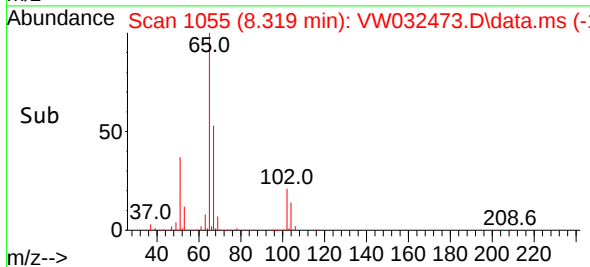
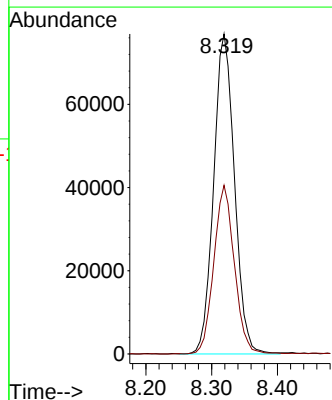
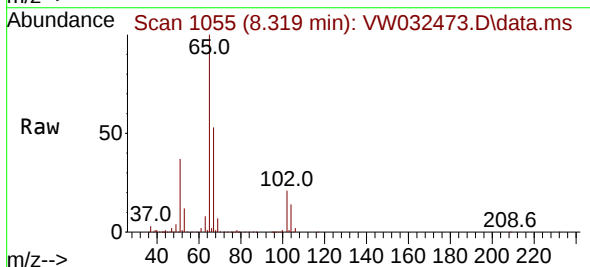
Instrument :
MSVOA_W
ClientSampleId :
T2-GRAVEL

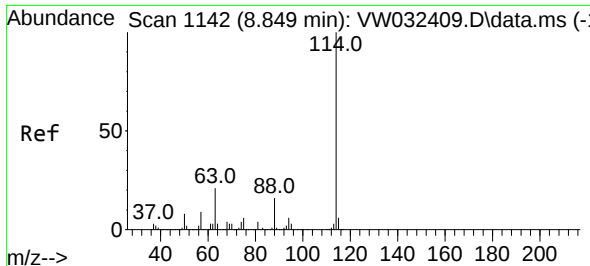
Tgt Ion: 56 Resp: 5881
Ion Ratio Lower Upper
56 100
69 209.0 26.5 39.7#
84 141.9 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 59.648 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

Tgt Ion: 65 Resp: 169437
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.8

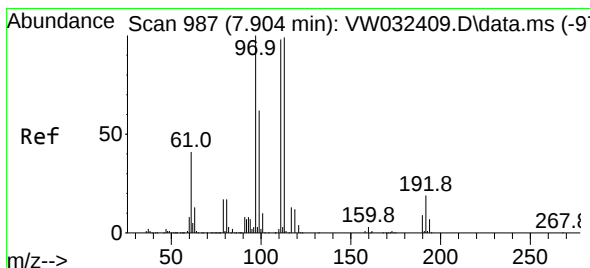
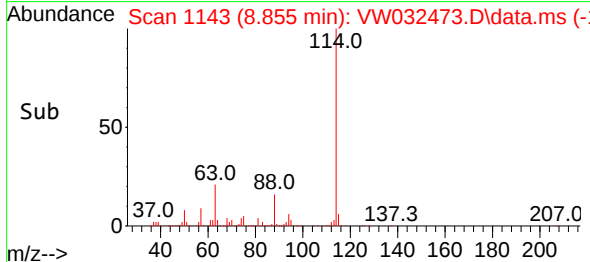
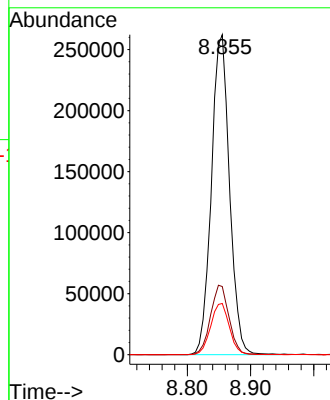
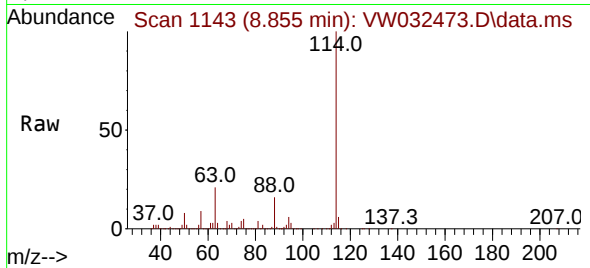




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032473.D
 Acq: 18 Nov 2025 12:12

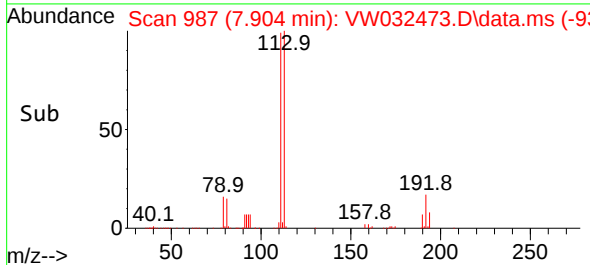
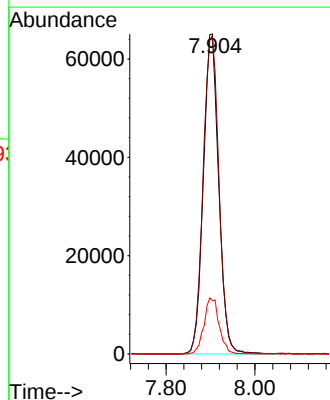
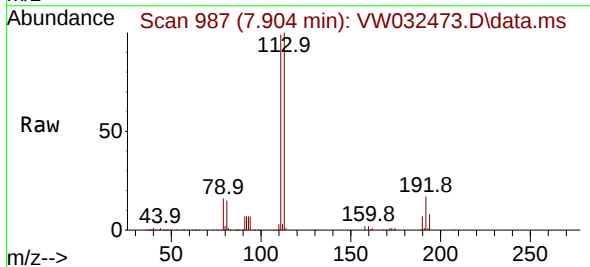
Instrument :
 MSVOA_W
 ClientSampleId :
 T2-GRAVEL

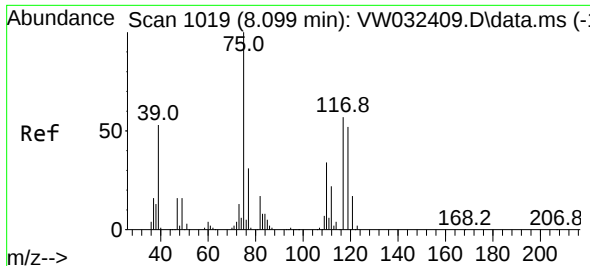
Tgt Ion:114	Resp:	521704
Ion	Ratio	Lower Upper
114	100	
63	21.2	0.0 41.8
88	16.0	0.0 32.6



#35
 Dibromofluoromethane
 Concen: 50.239 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. -0.000 min
 Lab File: VW032473.D
 Acq: 18 Nov 2025 12:12

Tgt Ion:113	Resp:	156925
Ion	Ratio	Lower Upper
113	100	
111	102.7	83.1 124.7
192	17.3	13.4 20.2

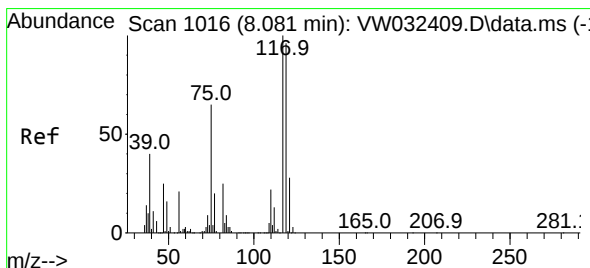
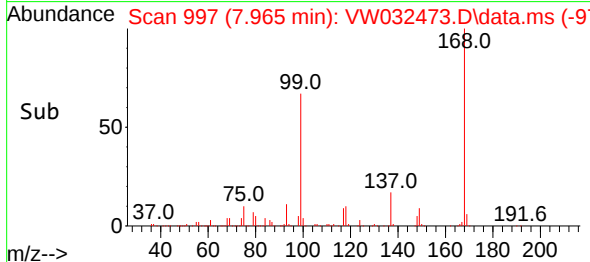
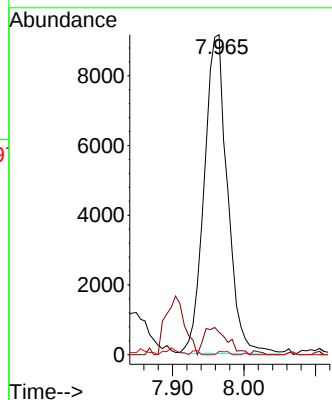
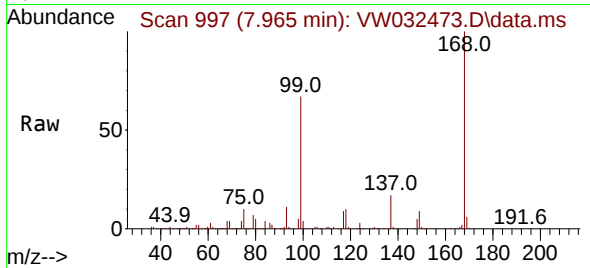




#36
 1,1-Dichloropropene
 Concen: 4.510 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032473.D
 Acq: 18 Nov 2025 12:12

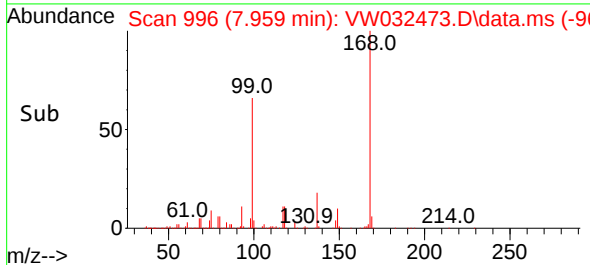
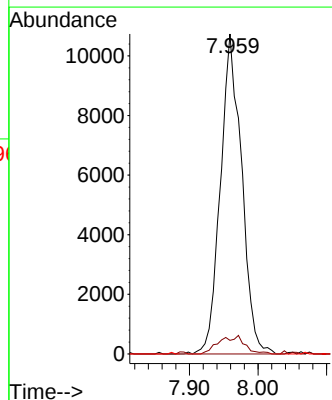
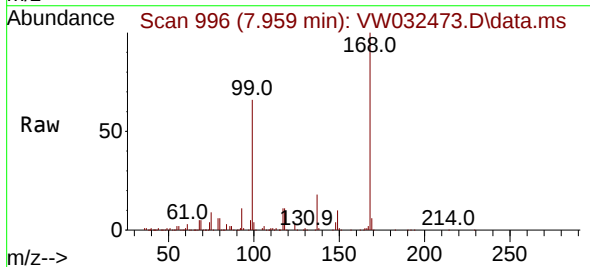
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 T2-GRAVEL

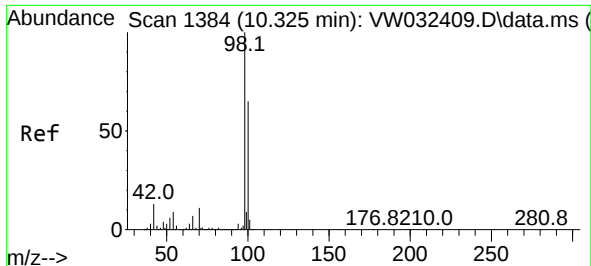
Tgt Ion: 75 Resp: 20755
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.2 51.5#
 77 0.5 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.639 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032473.D
 Acq: 18 Nov 2025 12:12

Tgt Ion: 117 Resp: 23059
 Ion Ratio Lower Upper
 117 100
 119 4.3 77.0 115.4#
 121 0.0 22.0 33.0#

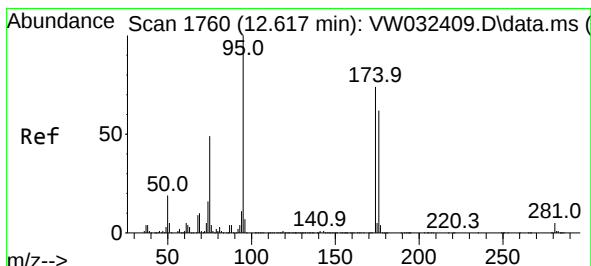
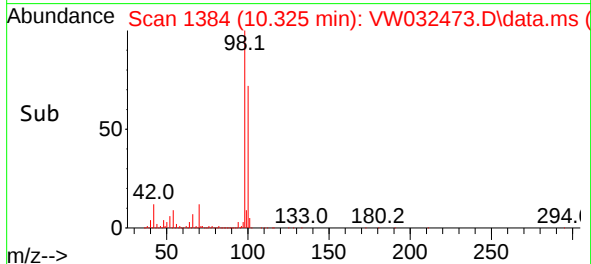
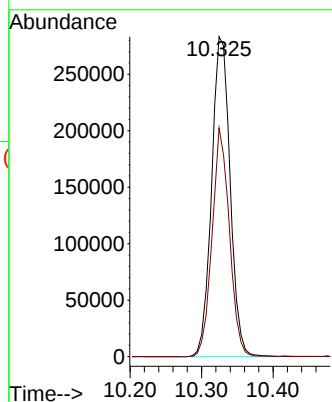
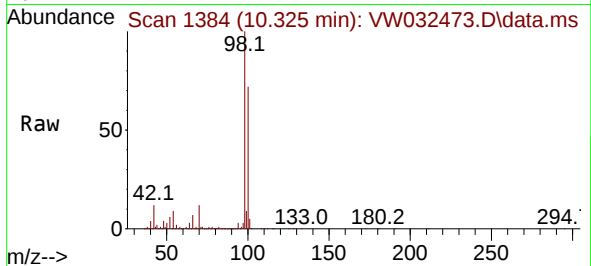




#50
Toluene-d8
Concen: 42.514 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

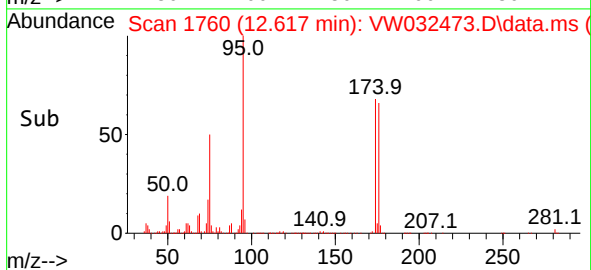
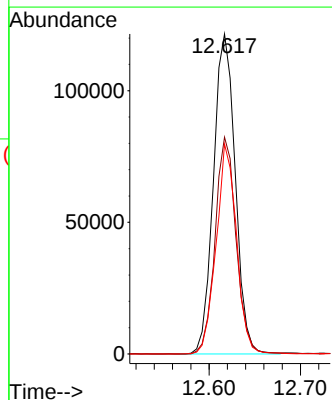
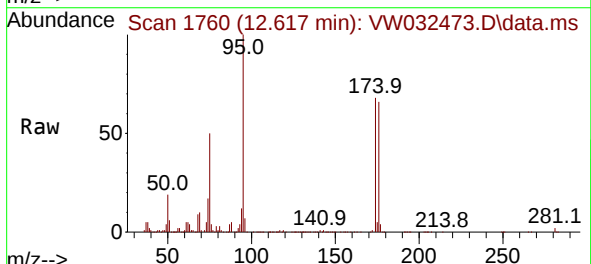
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T2-GRAVEL

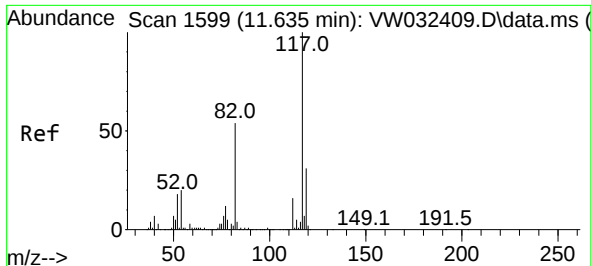
Tgt Ion: 98 Resp: 509446
Ion Ratio Lower Upper
98 100
100 66.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.400 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

Tgt Ion: 95 Resp: 200985
Ion Ratio Lower Upper
95 100
174 65.7 0.0 135.4
176 61.5 0.0 131.8

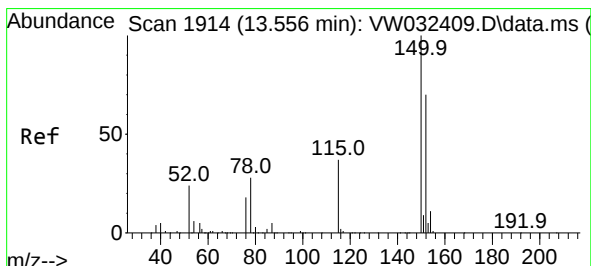
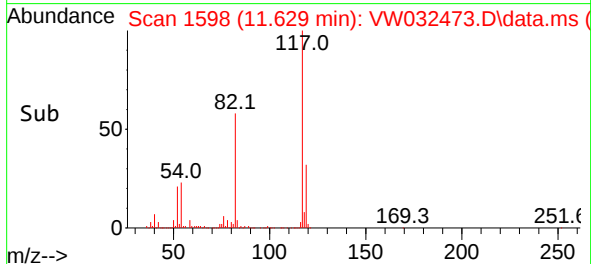
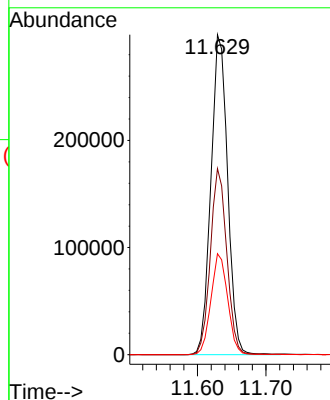
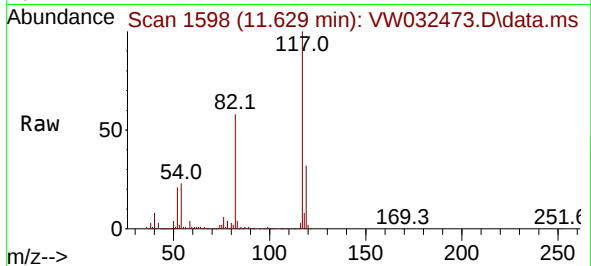




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1159
Delta R.T. -0.006 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

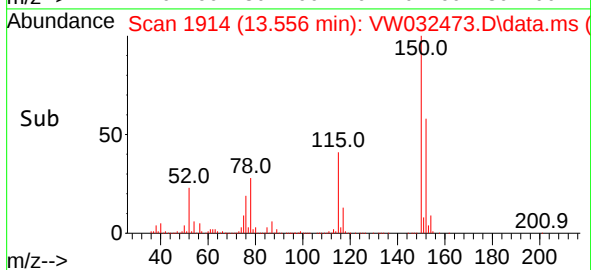
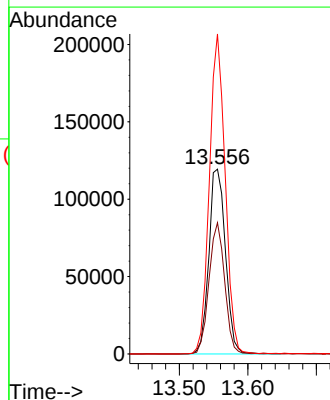
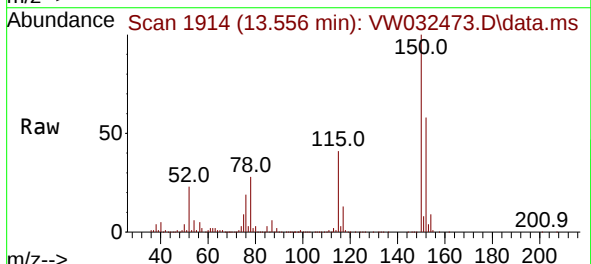
Instrument :
MSVOA_W
ClientSampleId :
T2-GRAVEL

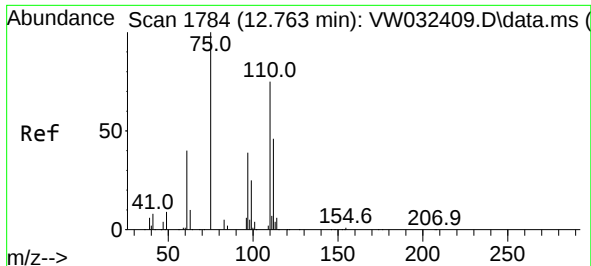
Tgt Ion:	117	Resp:	506344
Ion	Ratio	Lower	Upper
117	100		
82	58.2	43.0	64.4
119	31.6	25.0	37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

Tgt Ion:	152	Resp:	202274
Ion	Ratio	Lower	Upper
152	100		
115	66.8	32.8	98.3
150	163.8	0.0	356.6

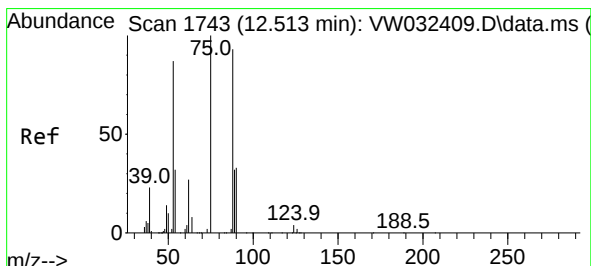
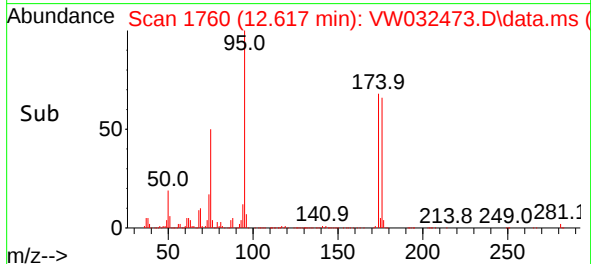
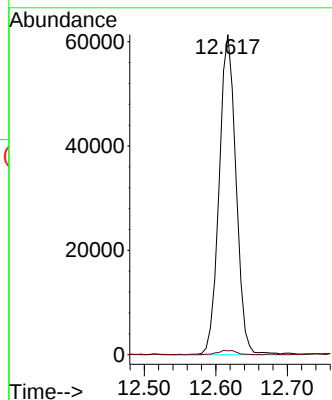
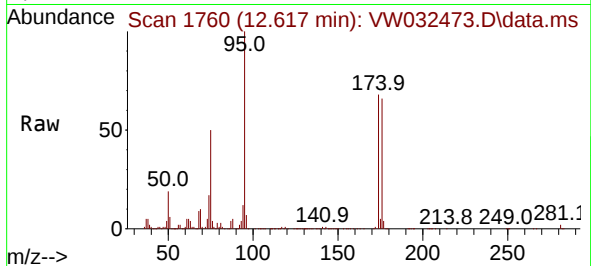




#76
1,2,3-Trichloropropane
Concen: 36.217 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

Instrument :
MSVOA_W
ClientSampleId :
T2-GRAVEL

Tgt Ion: 75 Resp: 100449
Ion Ratio Lower Upper
75 100
77 1.5 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.954 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

Tgt Ion: 75 Resp: 100449
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 35.6 53.4#

