

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032348.D
 Acq On : 03 Oct 2025 13:00
 Operator : SY/MD
 Sample : Q3277-01
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 05:02:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

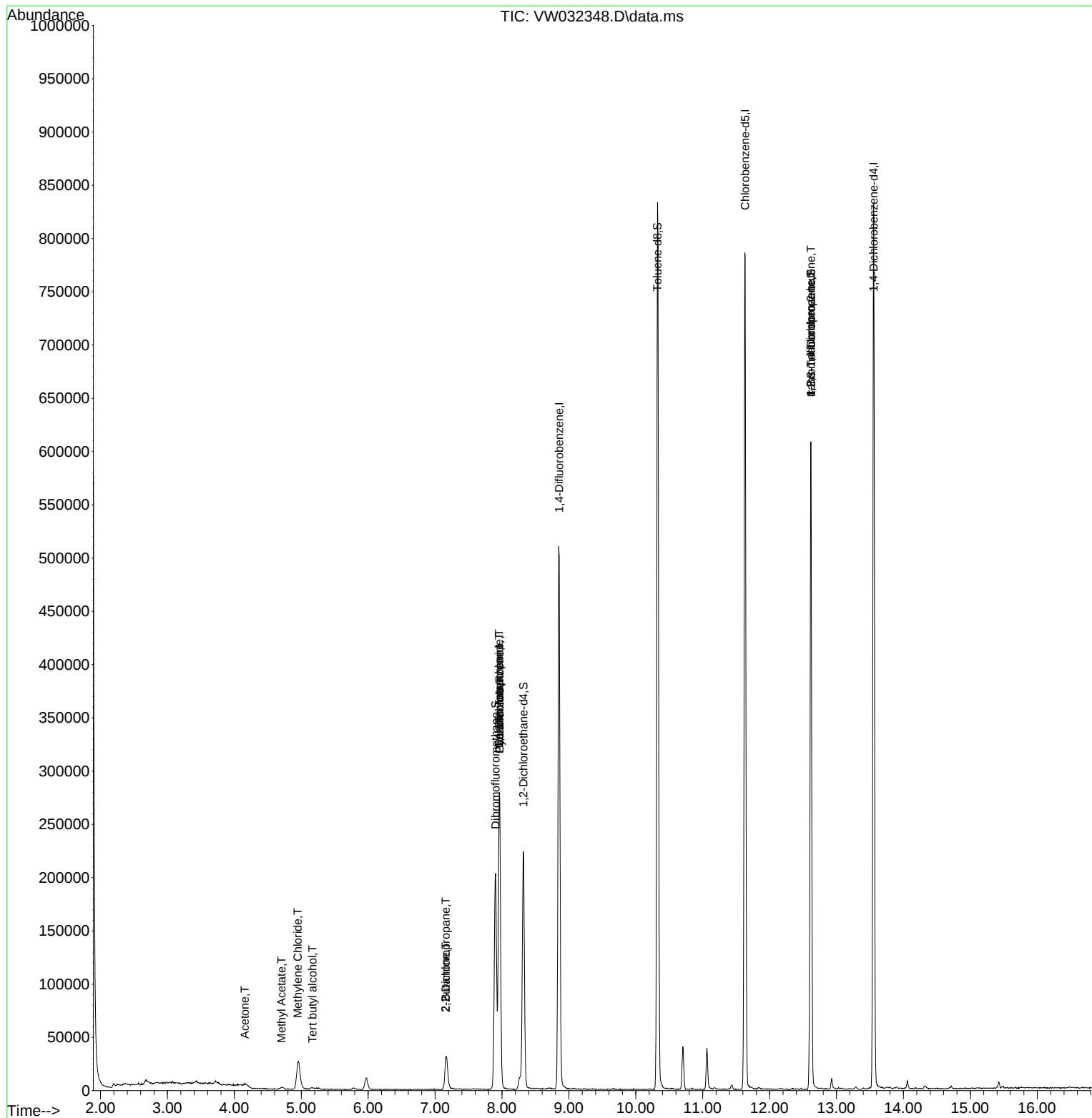
Internal Standards						
1) Pentafluorobenzene	7.965	168	196016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	428903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	434848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	211297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	183925	64.332	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 128.660%		
35) Dibromofluoromethane	7.904	113	154238	55.529	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 111.060%		
50) Toluene-d8	10.325	98	553678	54.009	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 108.020%		
62) 4-Bromofluorobenzene	12.617	95	207893	53.653	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 107.300%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.167	59	1340	6.192	ug/l #	69
16) Acetone	4.155	43	2286	2.888	ug/l #	66
18) Methyl Acetate	4.704	43	4000	1.764	ug/l #	76
20) Methylene Chloride	4.947	84	23258	3.951	ug/l	95
25) 2-Butanone	7.161	43	2229	2.067	ug/l #	82
26) 2,2-Dichloropropane	7.161	77	2483	1.030	ug/l #	52
31) Cyclohexane	7.965	56	5195	1.291	ug/l #	19
36) 1,1-Dichloropropene	7.959	75	19052	4.860	ug/l #	49
38) Carbon Tetrachloride	7.959	117	22240	6.029	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	108385	38.979	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	108385	98.746	ug/l #	5

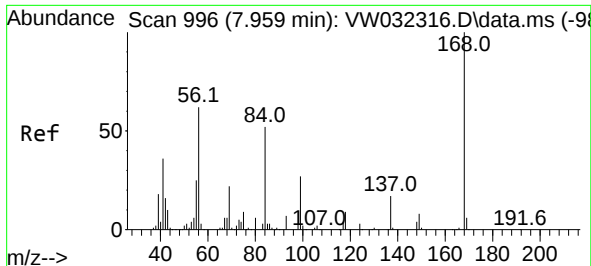
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 04 05:02:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

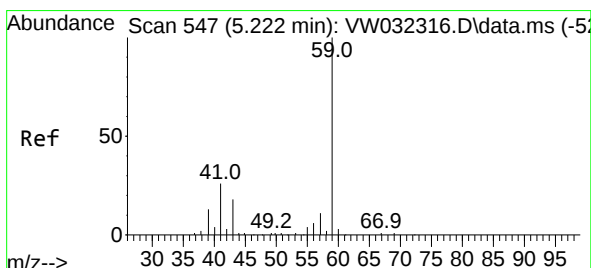
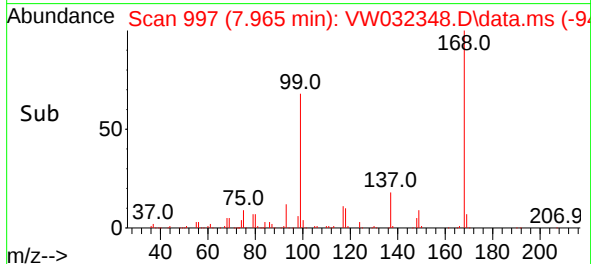
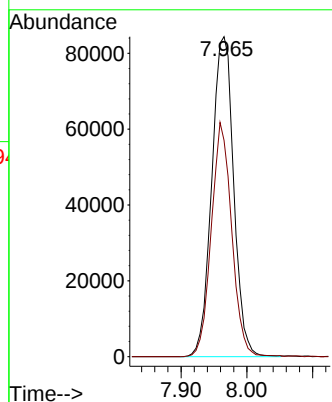
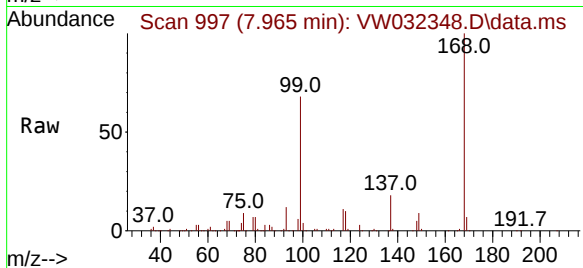




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

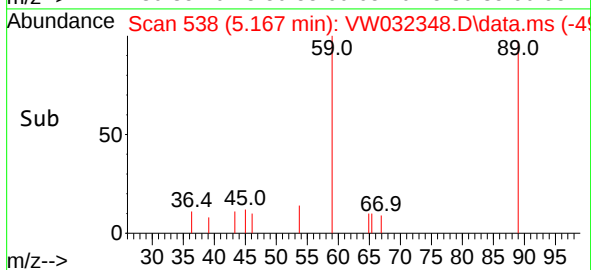
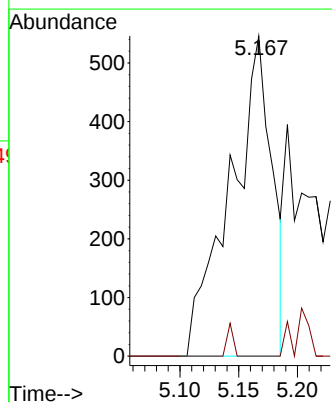
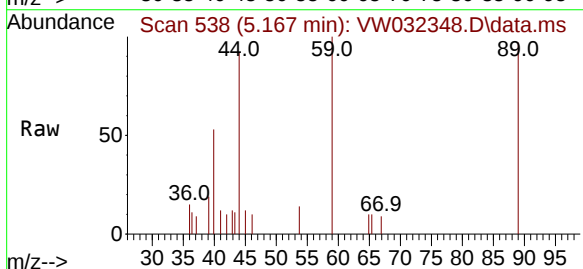
Instrument :
MSVOA_W
ClientSampleId :

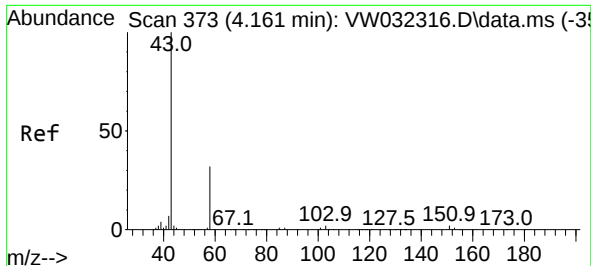
Tgt Ion:168 Resp: 196016
Ion Ratio Lower Upper
168 100
99 67.6 49.3 73.9



#11
Tert butyl alcohol
Concen: 6.192 ug/l
RT: 5.167 min Scan# 538
Delta R.T. -0.055 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

Tgt Ion: 59 Resp: 1340
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

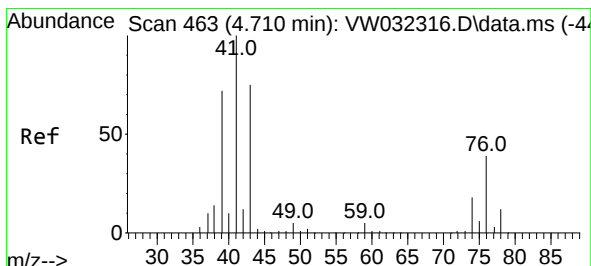
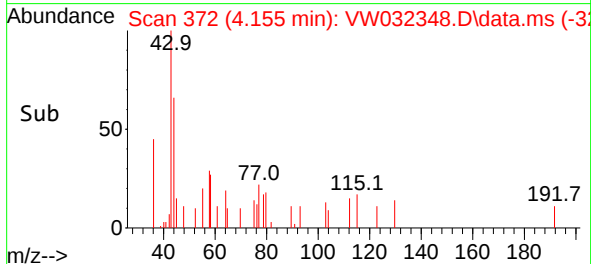
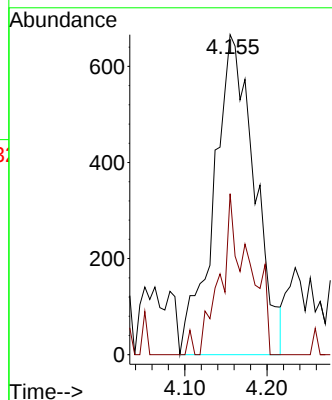
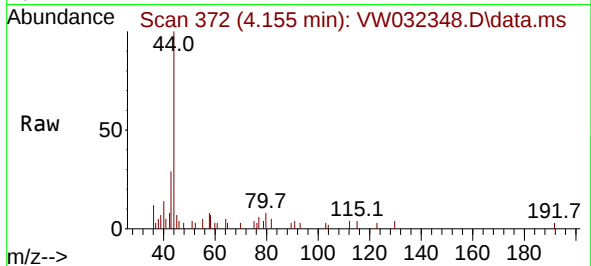




#16
Acetone
Concen: 2.888 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

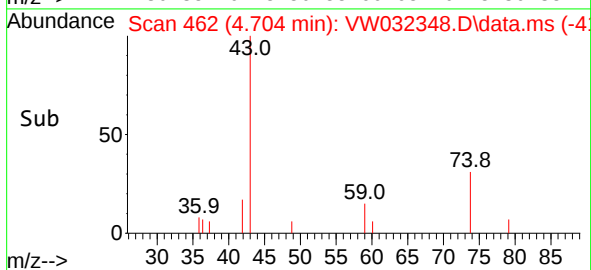
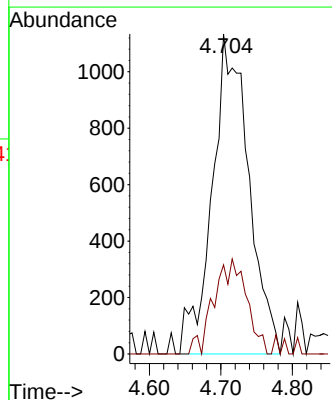
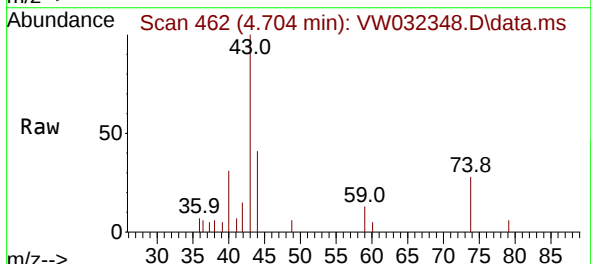
Instrument :
MSVOA_W
ClientSampleId :

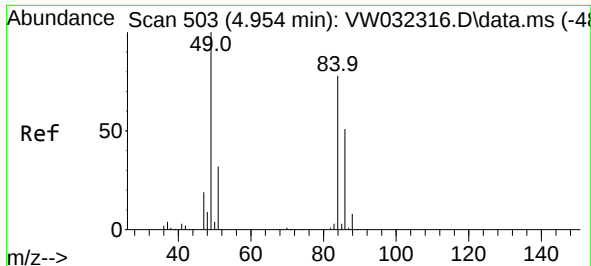
Tgt Ion: 43 Resp: 2286
Ion Ratio Lower Upper
43 100
58 50.3 25.3 37.9#



#18
Methyl Acetate
Concen: 1.764 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

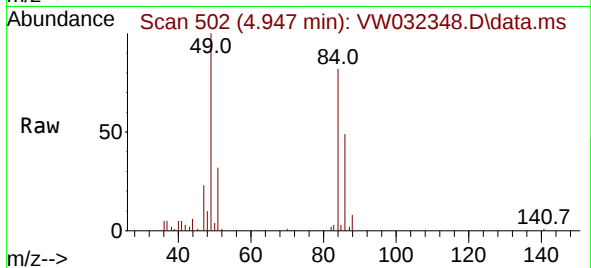
Tgt Ion: 43 Resp: 4000
Ion Ratio Lower Upper
43 100
74 13.1 20.2 30.4#



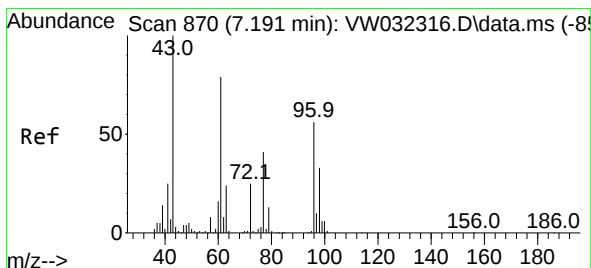
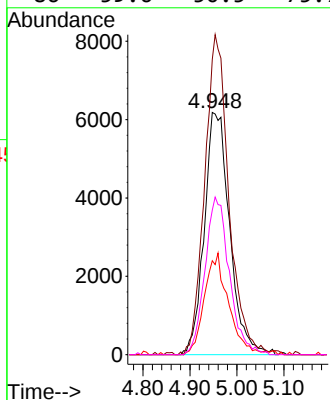
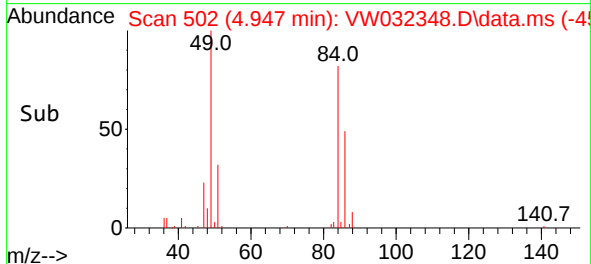


#20
Methylene Chloride
Concen: 3.951 ug/l
RT: 4.947 min Scan# 503
Delta R.T. -0.013 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

Instrument :
MSVOA_W
ClientSampleId :

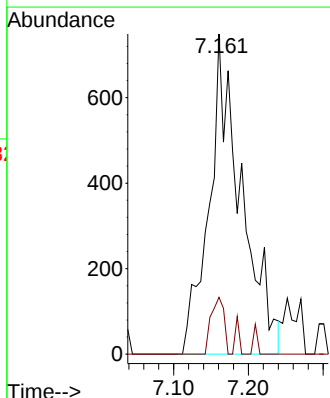
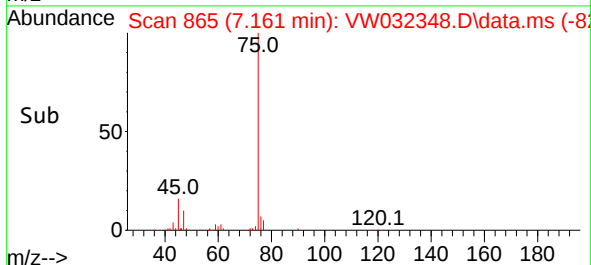
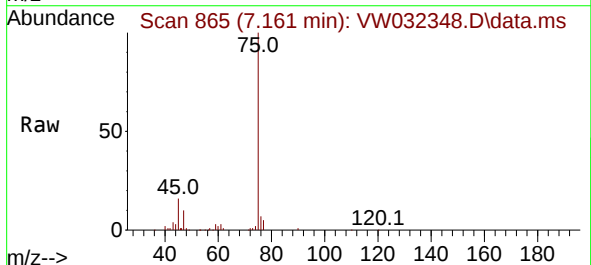


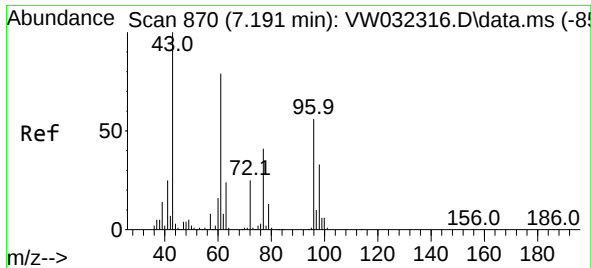
Tgt Ion:	84	Resp:	23258
Ion	Ratio	Lower	Upper
84	100		
49	121.9	92.2	138.4
51	38.8	31.0	46.6
86	59.6	50.5	75.7



#25
2-Butanone
Concen: 2.067 ug/l
RT: 7.161 min Scan# 865
Delta R.T. -0.031 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

Tgt Ion:	43	Resp:	2229
Ion	Ratio	Lower	Upper
43	100		
72	17.8	21.4	32.2#

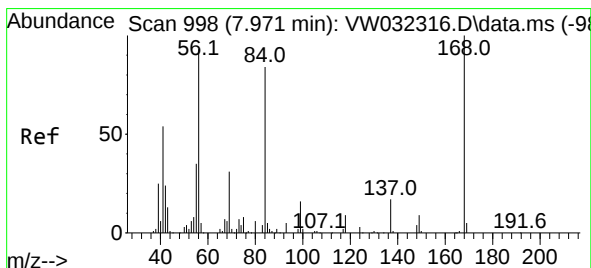
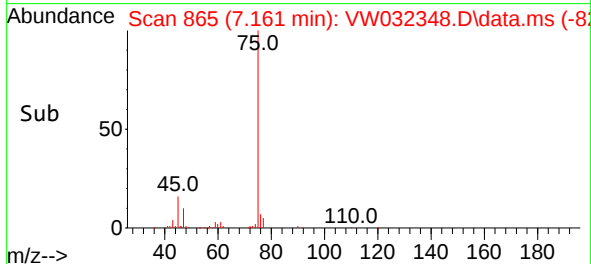
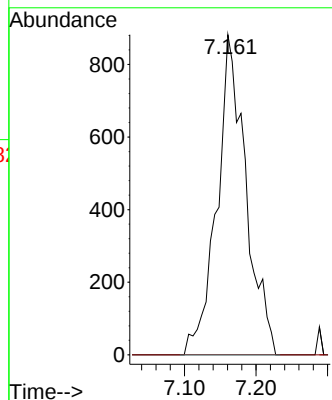
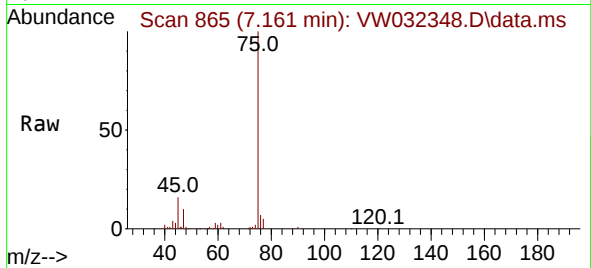




#26
2,2-Dichloropropane
Concen: 1.030 ug/l
RT: 7.161 min Scan# 80
Delta R.T. -0.025 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

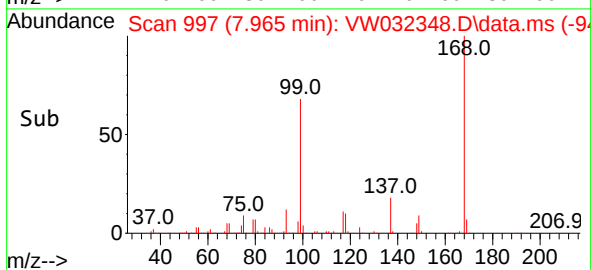
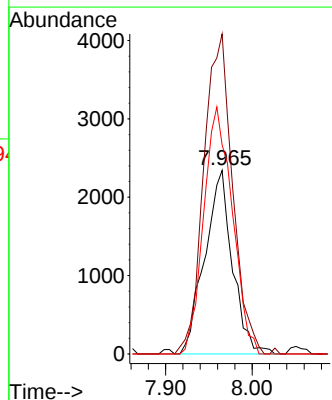
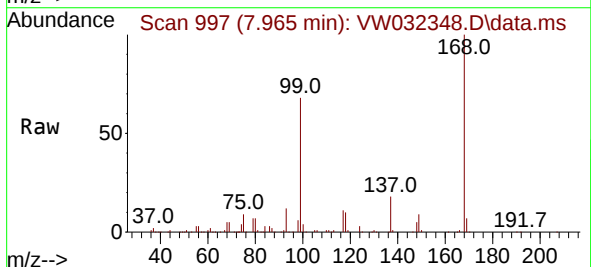
Instrument :
MSVOA_W
ClientSampleId :

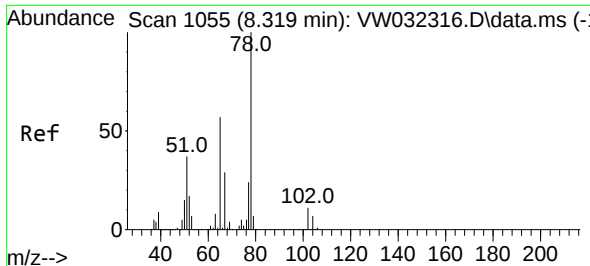
Tgt Ion: 77 Resp: 2483
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



#31
Cyclohexane
Concen: 1.291 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

Tgt Ion: 56 Resp: 5195
Ion Ratio Lower Upper
56 100
69 174.3 27.7 41.5#
84 113.9 74.6 112.0#

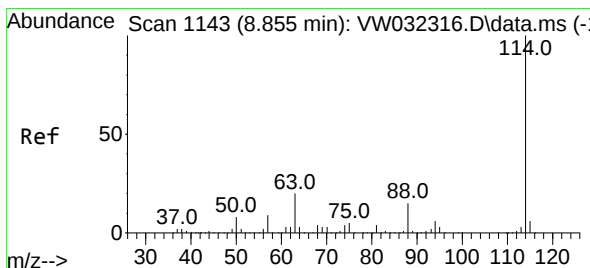
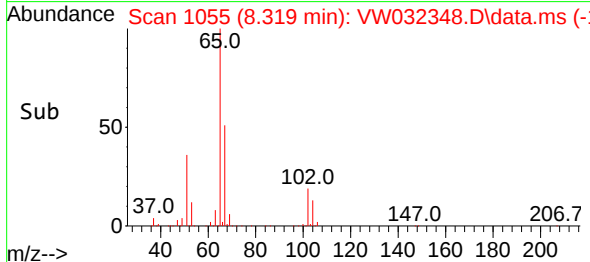
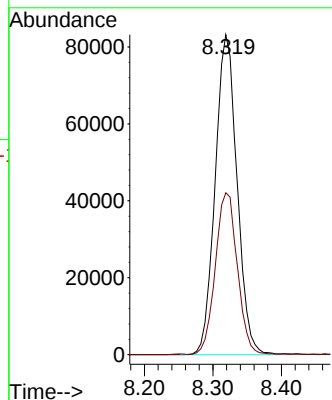
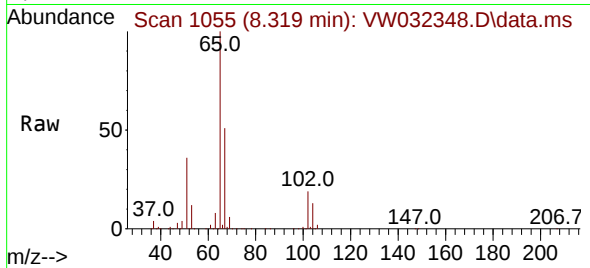




#33
 1,2-Dichloroethane-d4
 Concen: 64.332 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032348.D
 Acq: 03 Oct 2025 13:00

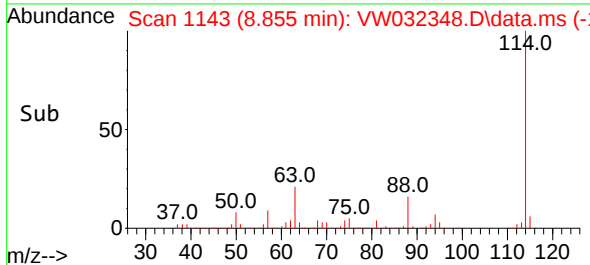
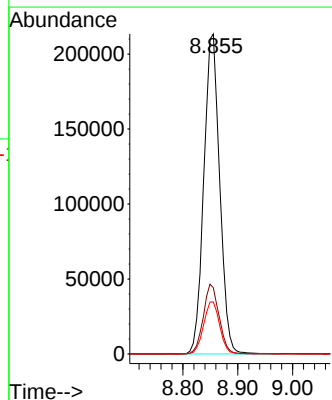
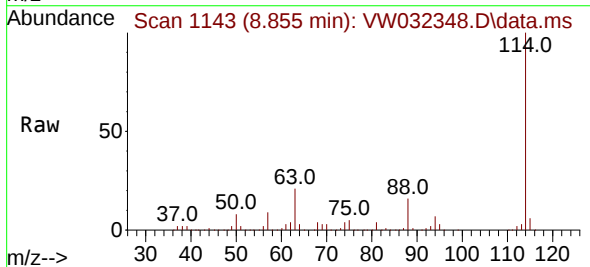
Instrument :
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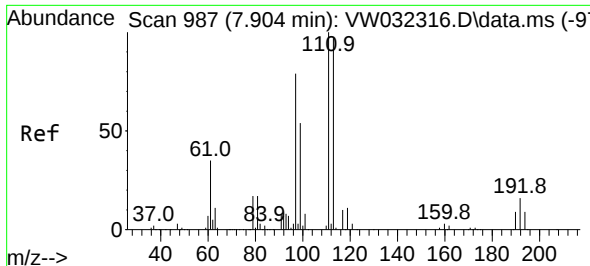
Tgt Ion: 65 Resp: 183925
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032348.D
 Acq: 03 Oct 2025 13:00

Tgt Ion: 114 Resp: 428903
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.4
 88 16.3 0.0 32.0

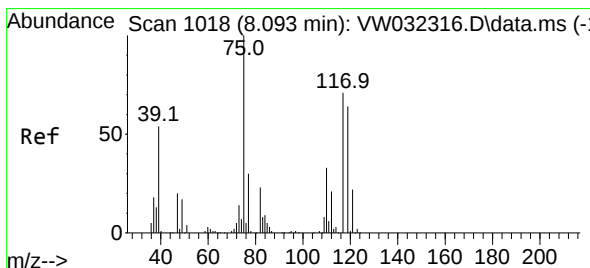
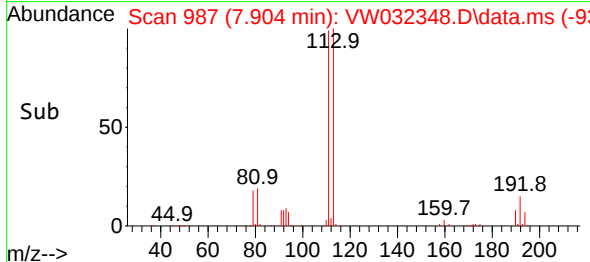
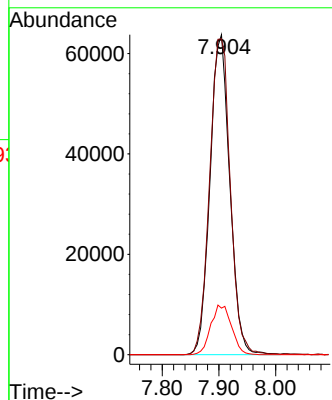
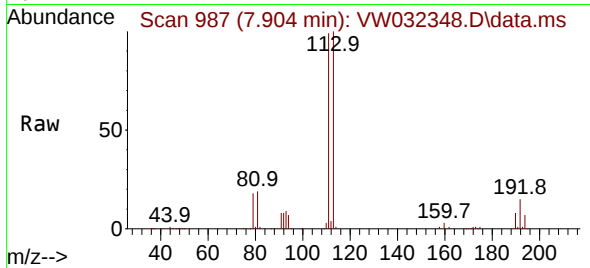




#35
Dibromofluoromethane
Concen: 55.529 ug/l
RT: 7.904 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

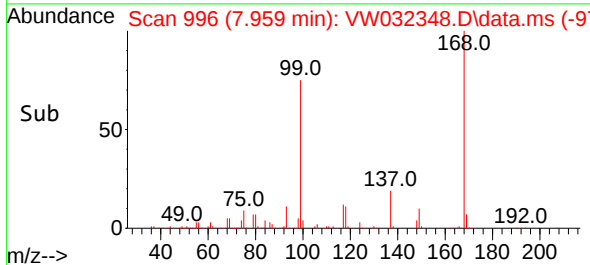
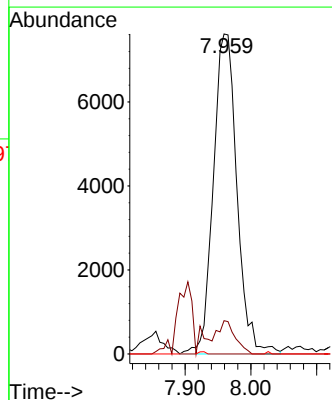
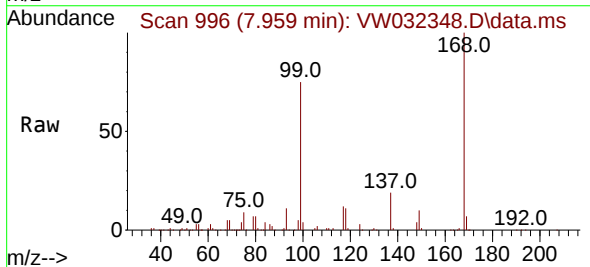
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MSVOA_W
ClientSampleId :

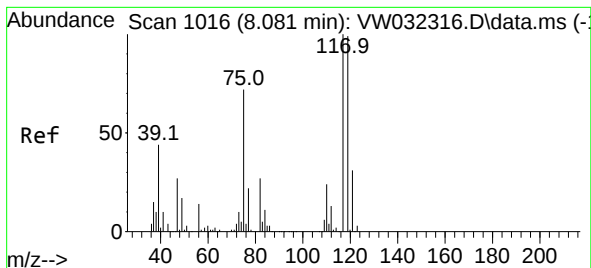
Tgt Ion:113 Resp: 154238
Ion Ratio Lower Upper
113 100
111 103.4 83.9 125.9
192 16.3 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.860 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

Tgt Ion: 75 Resp: 19052
Ion Ratio Lower Upper
75 100
110 7.7 17.5 52.5#
77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 6.029 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

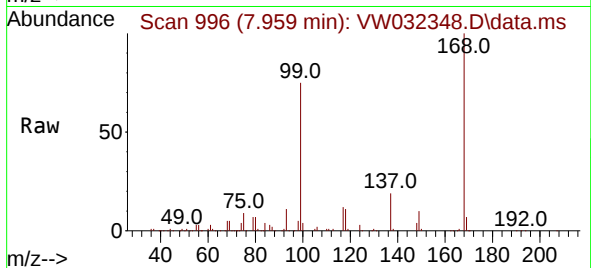
Lab File: VW032348.D

Acq: 03 Oct 2025 13:00

Instrument :

MSVOA_W

ClientSampleId :



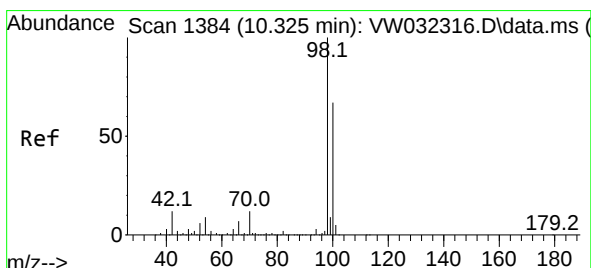
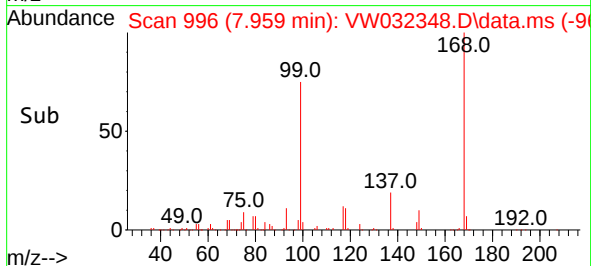
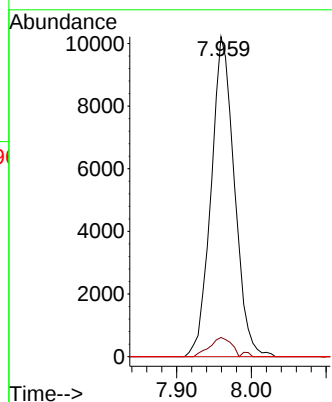
Tgt Ion:117 Resp: 22240

Ion Ratio Lower Upper

117 100

119 6.0 74.2 111.2#

121 0.0 25.6 38.4#



#50

Toluene-d8

Concen: 54.009 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032348.D

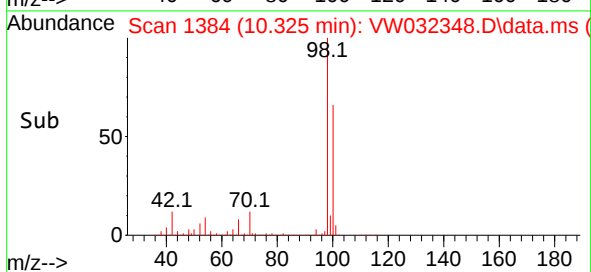
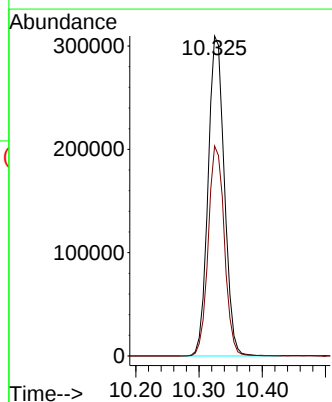
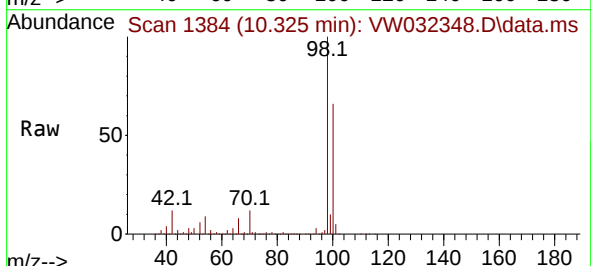
Acq: 03 Oct 2025 13:00

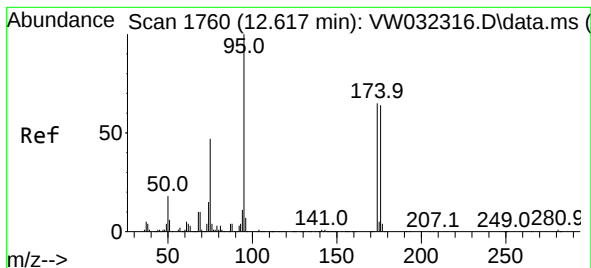
Tgt Ion: 98 Resp: 553678

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.2

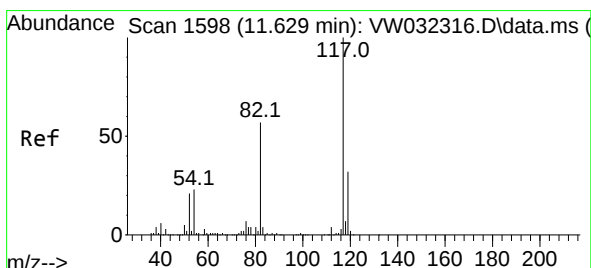
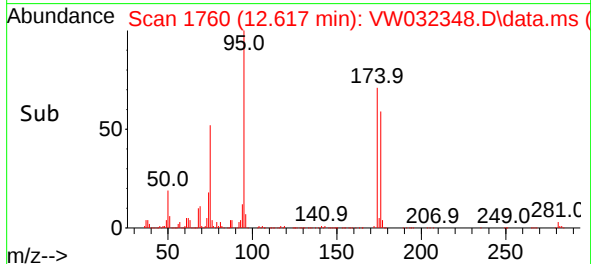
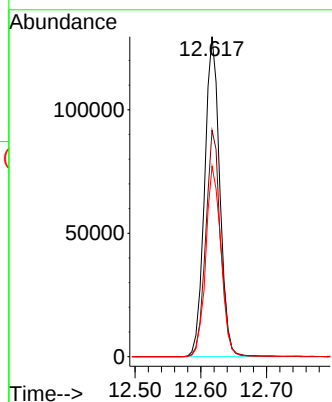
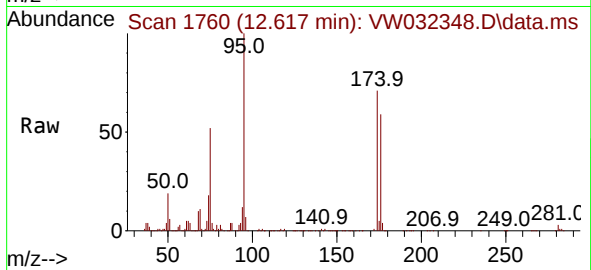




#62
4-Bromofluorobenzene
Concen: 53.653 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

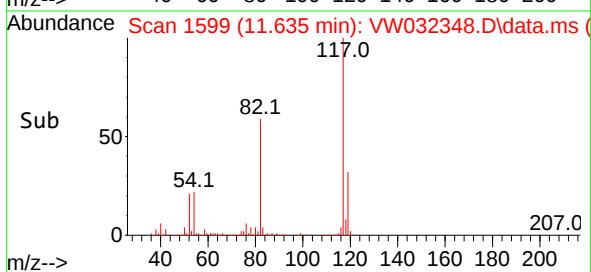
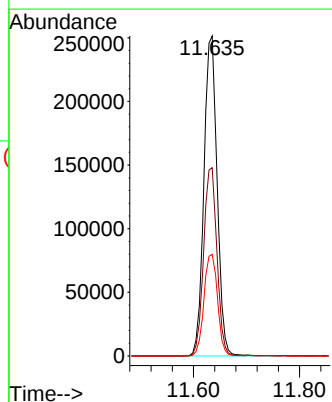
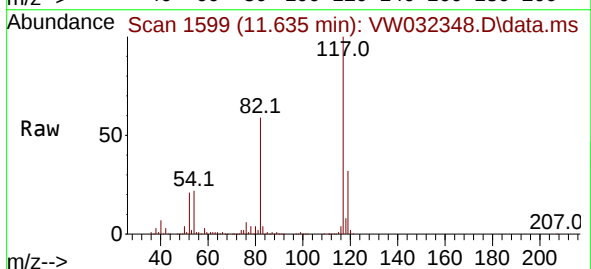
Instrument :
MSVOA_W
ClientSampleId :

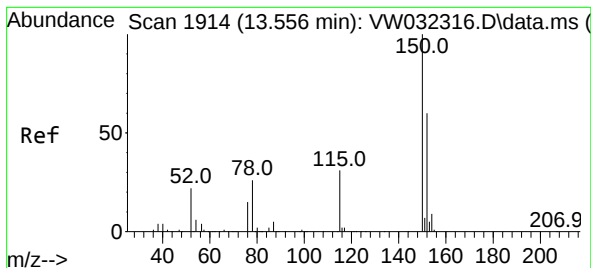
Tgt Ion: 95 Resp: 207893
Ion Ratio Lower Upper
95 100
174 69.3 0.0 145.6
176 59.8 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

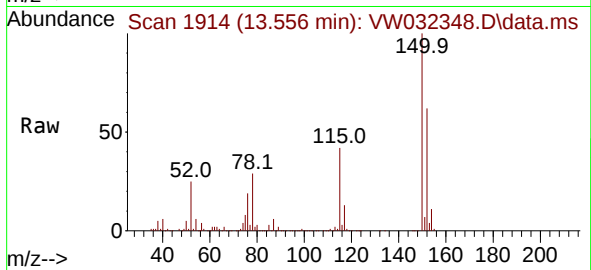
Tgt Ion:117 Resp: 434848
Ion Ratio Lower Upper
117 100
82 58.9 42.7 64.1
119 31.7 25.2 37.8



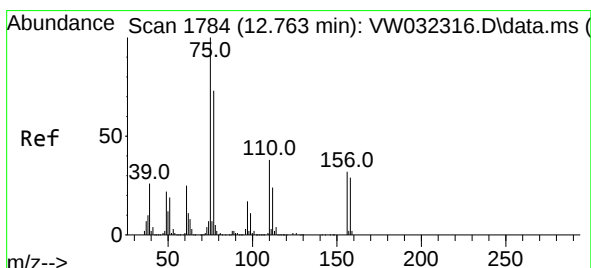
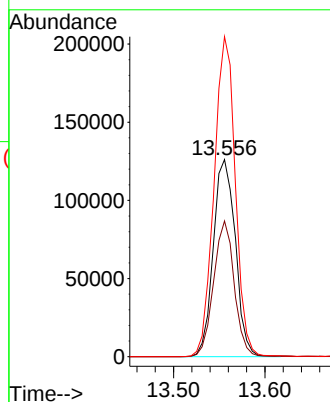
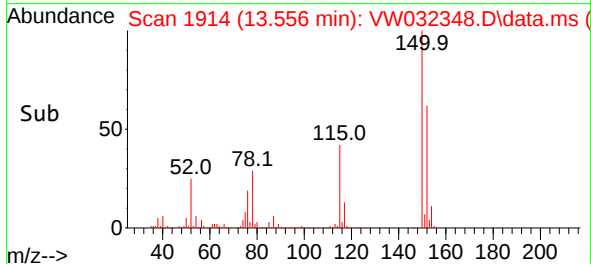


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

Instrument :
MSVOA_W
ClientSampleId :

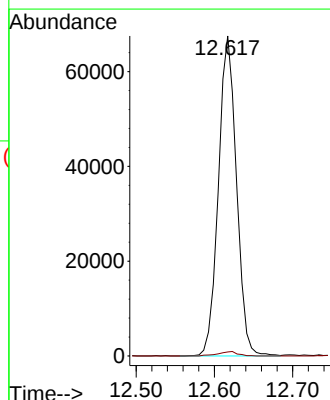
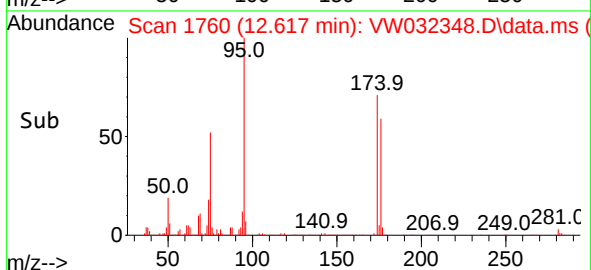
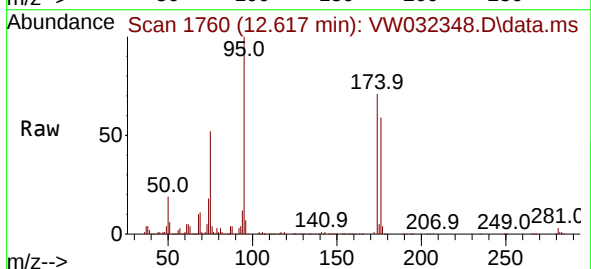


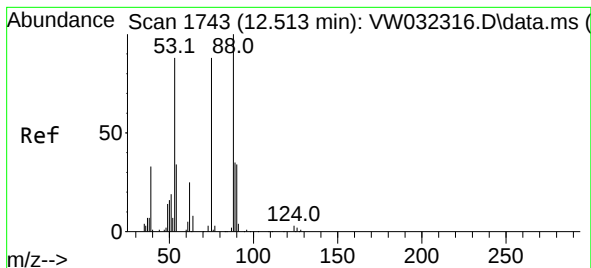
Tgt Ion:152 Resp: 211297
Ion Ratio Lower Upper
152 100
115 64.6 31.8 95.4
150 156.7 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 38.979 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

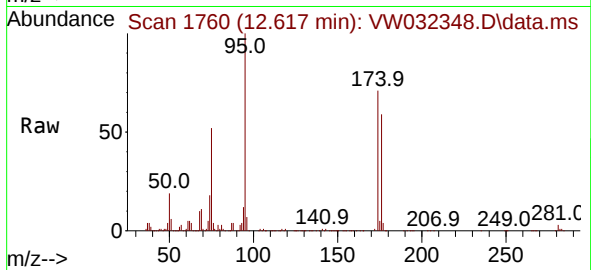
Tgt Ion: 75 Resp: 108385
Ion Ratio Lower Upper
75 100
77 1.5 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.746 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032348.D
 Acq: 03 Oct 2025 13:00

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 108385
 Ion Ratio Lower Upper
 75 100
 53 0.2 91.0 136.6#
 89 0.0 39.4 59.2#

