

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
 Data File : VW032326.D
 Acq On : 02 Oct 2025 12:51
 Operator : SY/MD
 Sample : Q3150-04
 Misc : 5.06g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 21:36:44 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)

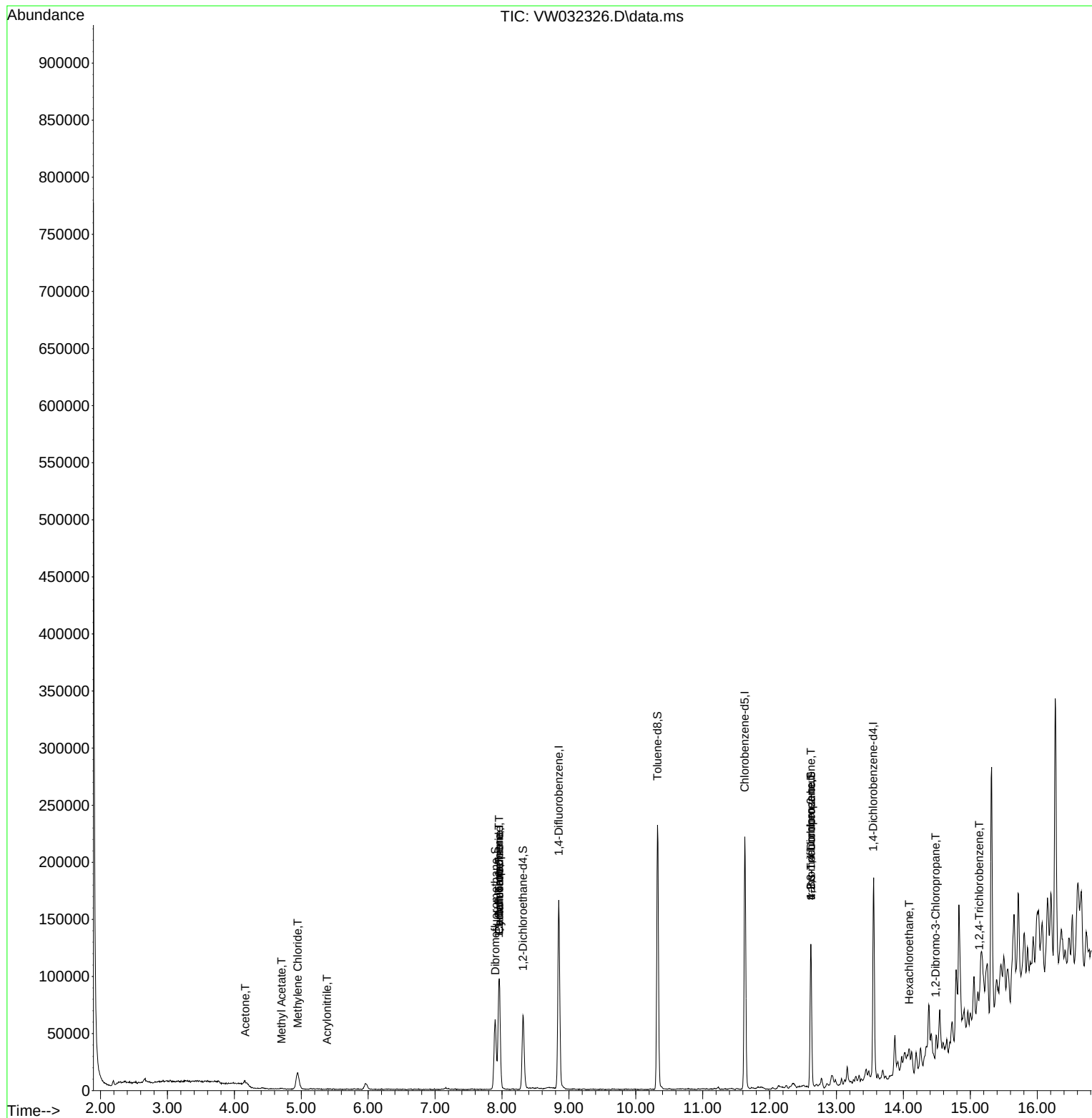
Internal Standards						
1) Pentafluorobenzene	7.959	168	66162	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	134684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	117826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	44519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	54450	56.424	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 112.840%	
35) Dibromofluoromethane	7.898	113	45823	52.536	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 105.080%	
50) Toluene-d8	10.325	98	154597	48.023	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 96.040%	
62) 4-Bromofluorobenzene	12.617	95	45641	37.510	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 75.020%	
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.387	53	305	1.182	ug/l	# 28
16) Acetone	4.161	43	3830	14.334	ug/l	93
18) Methyl Acetate	4.704	43	975	1.274	ug/l	# 87
20) Methylene Chloride	4.948	84	11526	8.604	ug/l	92
31) Cyclohexane	7.959	56	1905	1.402	ug/l	# 1
36) 1,1-Dichloropropene	7.953	75	6501	5.281	ug/l	# 51
38) Carbon Tetrachloride	7.959	117	7912	6.830	ug/l	# 18
76) 1,2,3-Trichloropropane	12.617	75	24112	41.157	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	24112	104.263	ug/l	# 5
90) Hexachloroethane	14.086	117	775	1.578	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	14.483	75	144	1.088	ug/l	# 3
93) 1,2,4-Trichlorobenzene	15.135	180	1438	1.784	ug/l	# 1

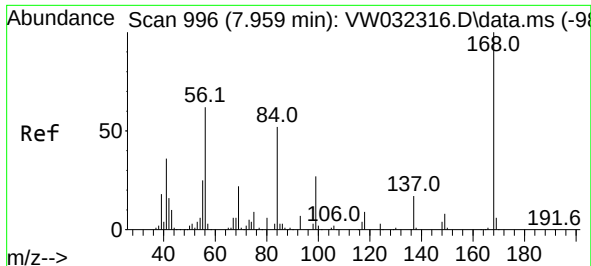
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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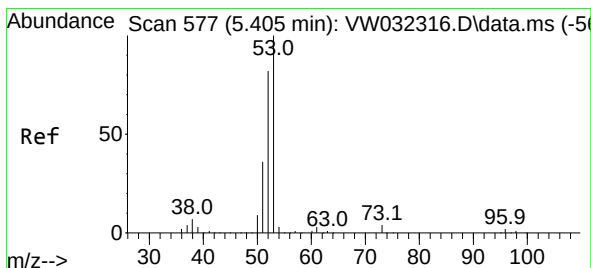
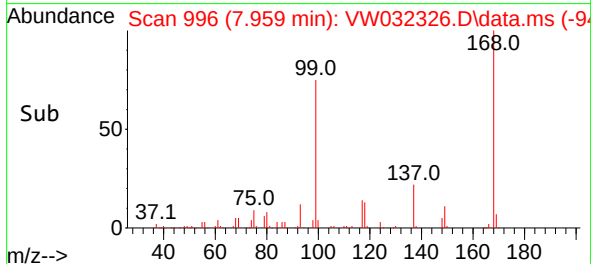
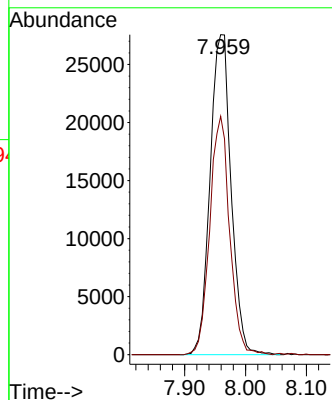
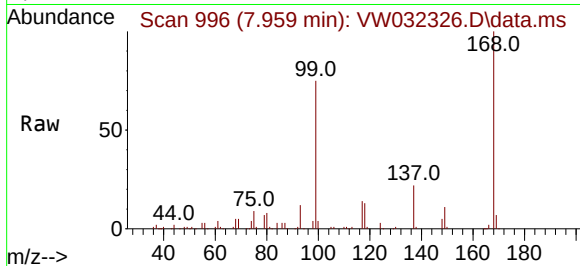




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032326.D
Acq: 02 Oct 2025 12:51

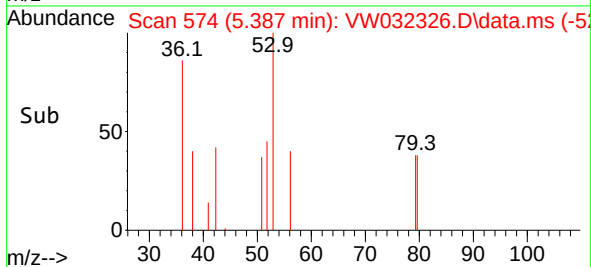
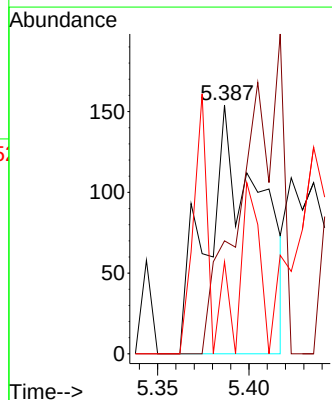
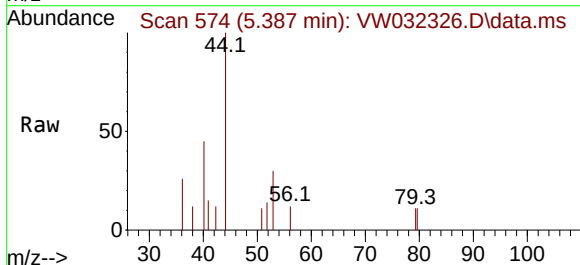
Instrument :
MSVOA_W
ClientSampleId :

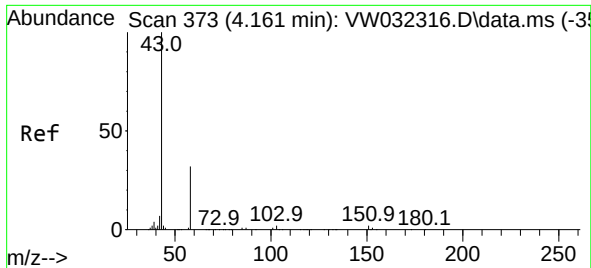
Tgt Ion:168 Resp: 66162
Ion Ratio Lower Upper
168 100
99 74.5 49.3 73.9#



#15
Acrylonitrile
Concen: 1.182 ug/l
RT: 5.387 min Scan# 574
Delta R.T. -0.018 min
Lab File: VW032326.D
Acq: 02 Oct 2025 12:51

Tgt Ion: 53 Resp: 305
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.2#
51 22.3 30.3 45.5#

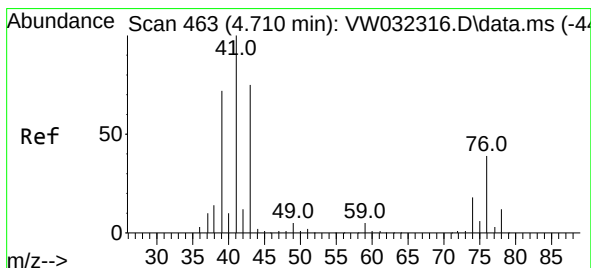
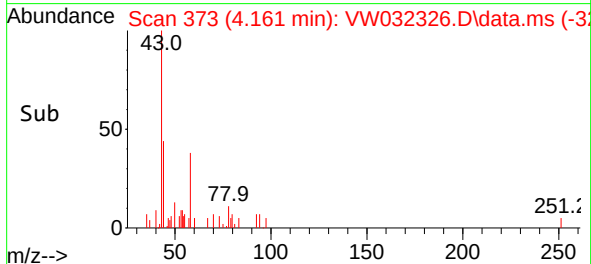
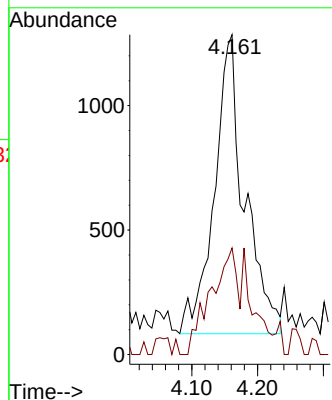
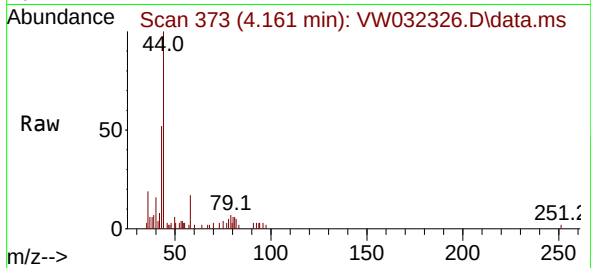




#16
Acetone
Concen: 14.334 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032326.D
Acq: 02 Oct 2025 12:51

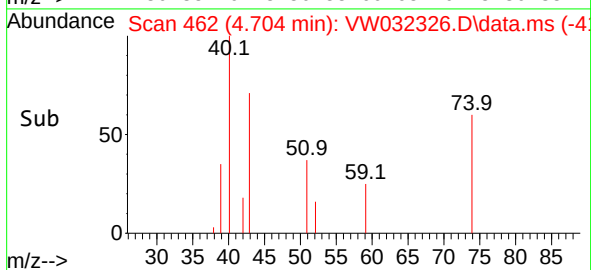
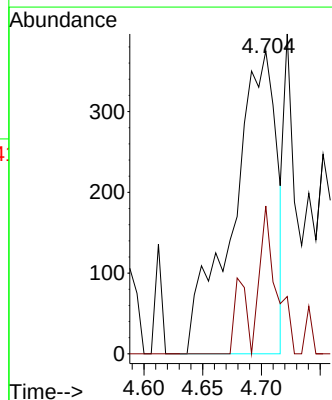
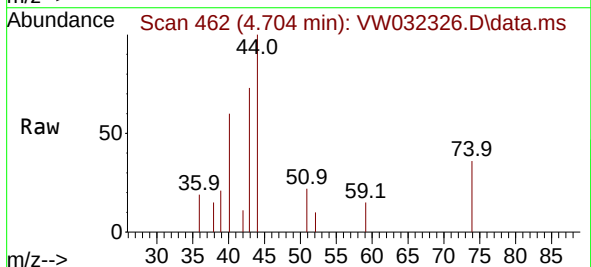
Instrument :
MSVOA_W
ClientSampleId :

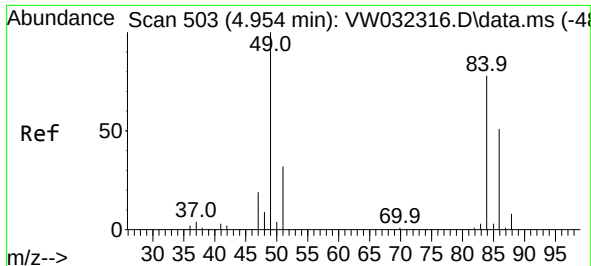
Tgt Ion: 43 Resp: 3830
Ion Ratio Lower Upper
43 100
58 35.6 25.3 37.9



#18
Methyl Acetate
Concen: 1.274 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032326.D
Acq: 02 Oct 2025 12:51

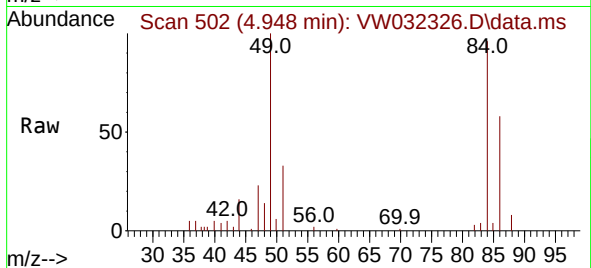
Tgt Ion: 43 Resp: 975
Ion Ratio Lower Upper
43 100
74 18.7 20.2 30.4#



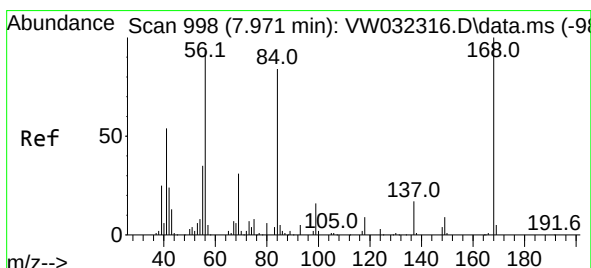
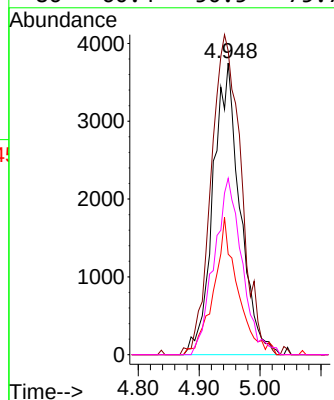
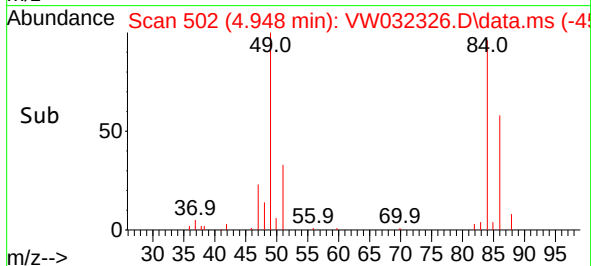


#20
Methylene Chloride
Concen: 8.604 ug/l
RT: 4.948 min Scan# 503
Delta R.T. -0.012 min
Lab File: VW032326.D
Acq: 02 Oct 2025 12:51

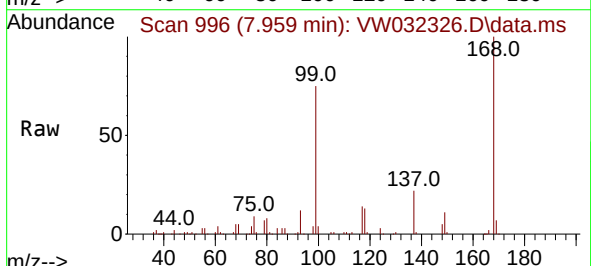
Instrument :
MSVOA_W
ClientSampleId :



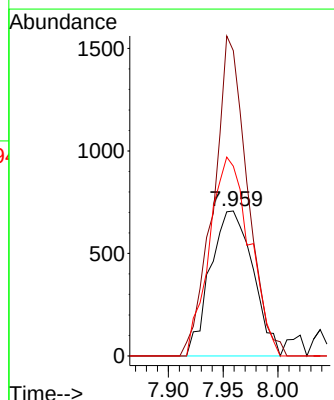
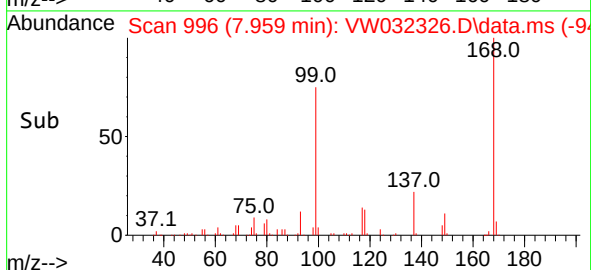
Tgt Ion:	84	Resp:	11526
Ion	Ratio	Lower	Upper
84	100		
49	104.2	92.2	138.4
51	34.4	31.0	46.6
86	60.4	50.5	75.7

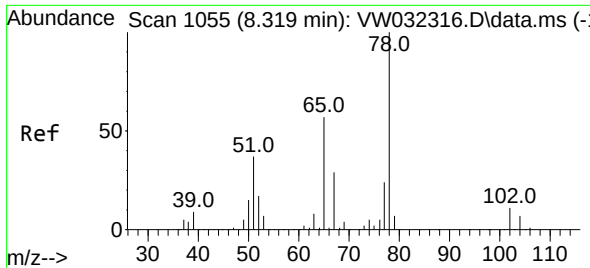


#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032326.D
Acq: 02 Oct 2025 12:51



Tgt Ion:	56	Resp:	1905
Ion	Ratio	Lower	Upper
56	100		
69	210.6	27.7	41.5#
84	131.0	74.6	112.0#

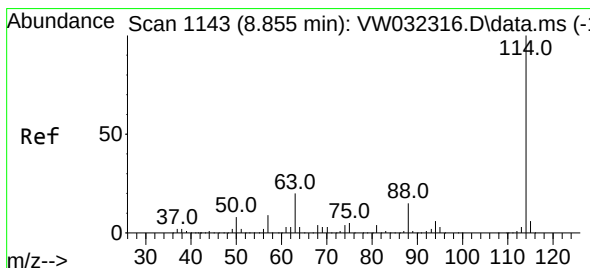
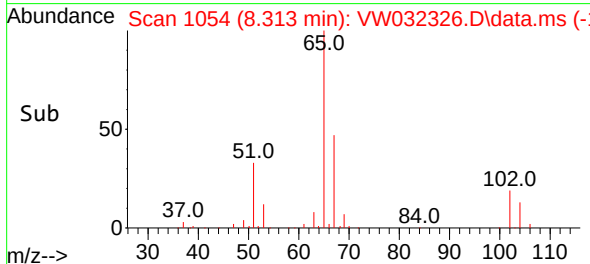
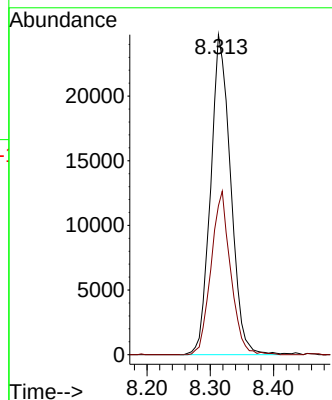
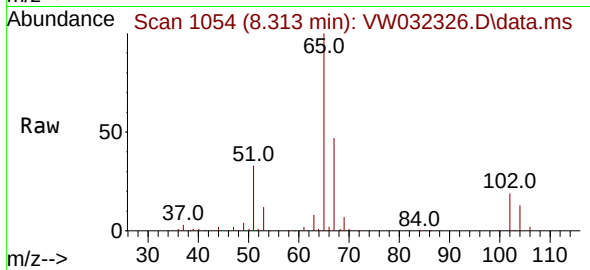




#33
 1,2-Dichloroethane-d4
 Concen: 56.424 ug/l
 RT: 8.313 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VW032326.D
 Acq: 02 Oct 2025 12:51

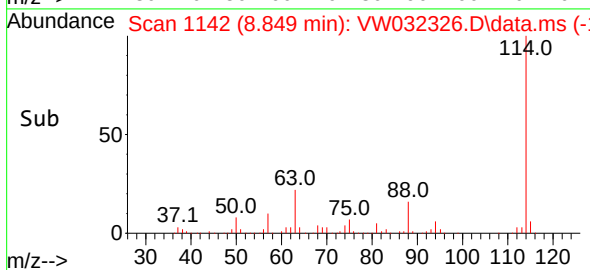
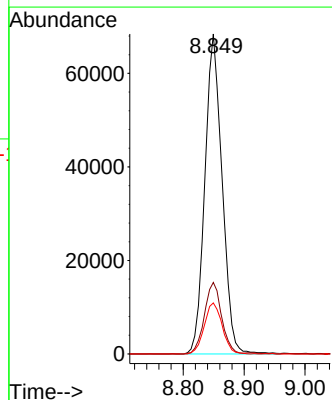
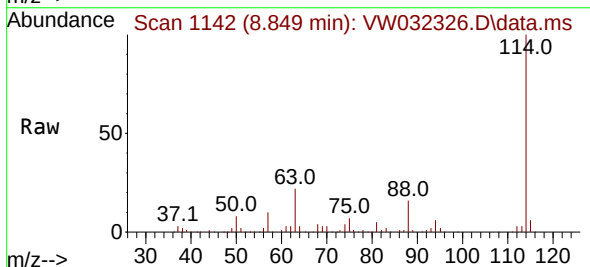
Instrument :
 MSVOA_W
 ClientSampleId :

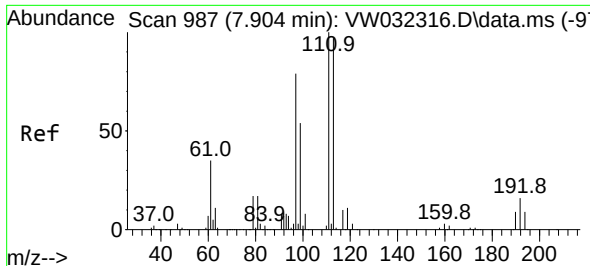
Tgt Ion: 65 Resp: 54450
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032326.D
 Acq: 02 Oct 2025 12:51

Tgt Ion: 114 Resp: 134684
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 40.4
 88 16.0 0.0 32.0

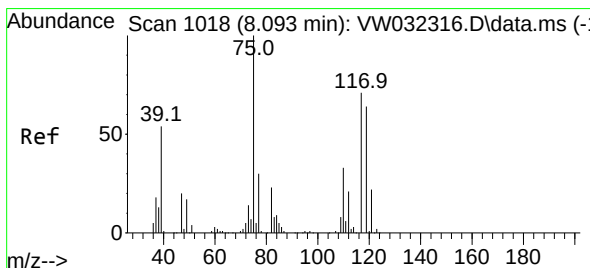
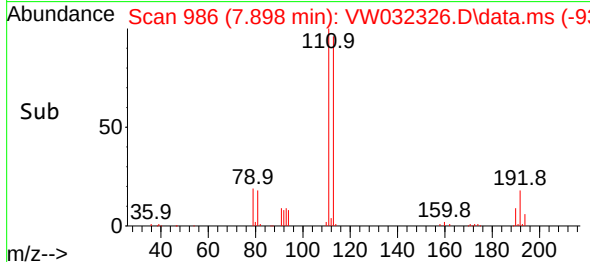
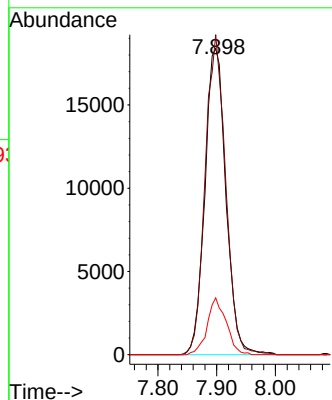
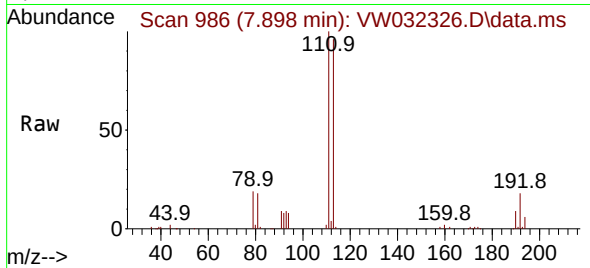




#35
Dibromofluoromethane
Concen: 52.536 ug/l
RT: 7.898 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW032326.D
Acq: 02 Oct 2025 12:51

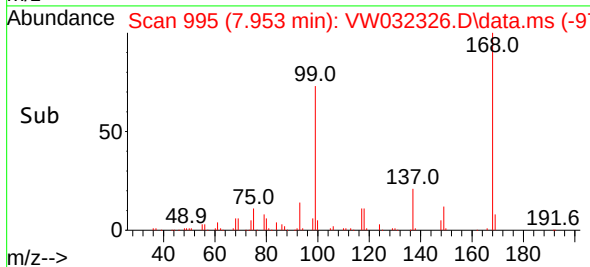
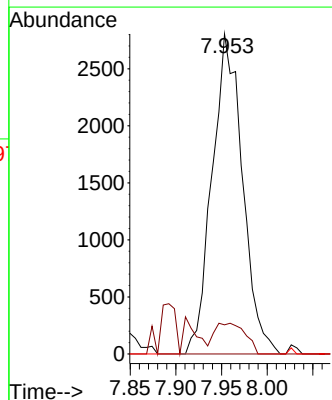
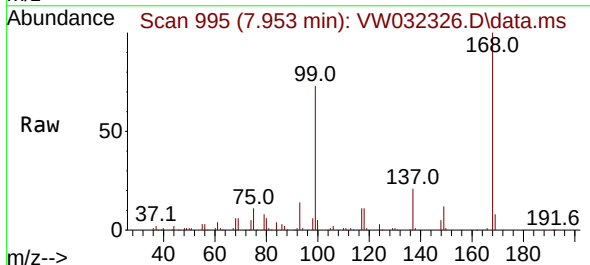
Instrument :
MSVOA_W
ClientSampleId :

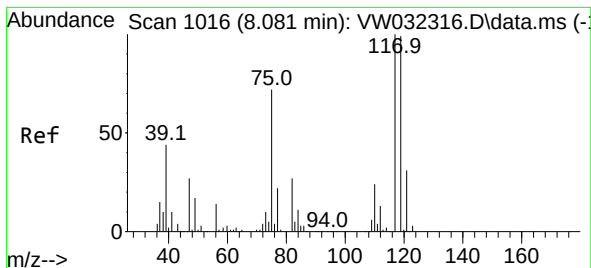
Tgt Ion:113 Resp: 45823
Ion Ratio Lower Upper
113 100
111 101.3 83.9 125.9
192 16.8 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.281 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.146 min
Lab File: VW032326.D
Acq: 02 Oct 2025 12:51

Tgt Ion: 75 Resp: 6501
Ion Ratio Lower Upper
75 100
110 9.7 17.5 52.5#
77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 6.830 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

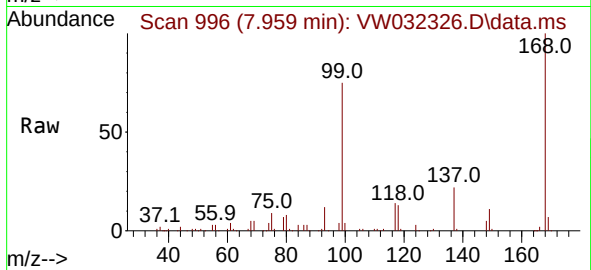
Lab File: VW032326.D

Acq: 02 Oct 2025 12:51

Instrument :

MSVOA_W

ClientSampleId :



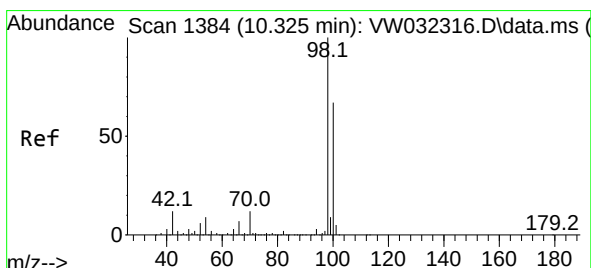
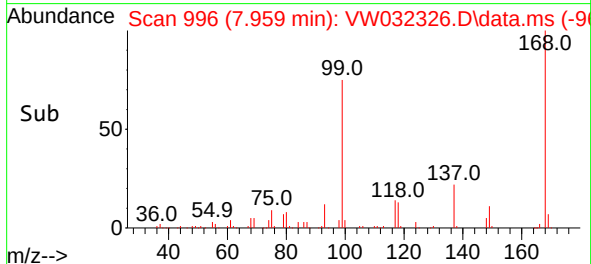
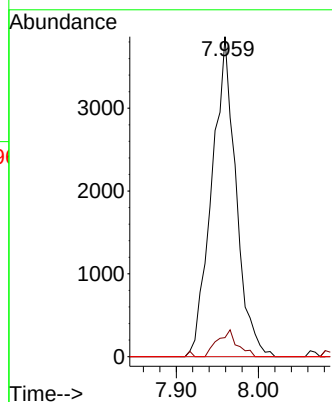
Tgt Ion:117 Resp: 7912

Ion Ratio Lower Upper

117 100

119 5.9 74.2 111.2#

121 0.0 25.6 38.4#



#50

Toluene-d8

Concen: 48.023 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032326.D

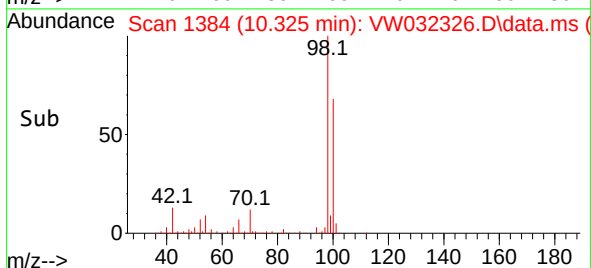
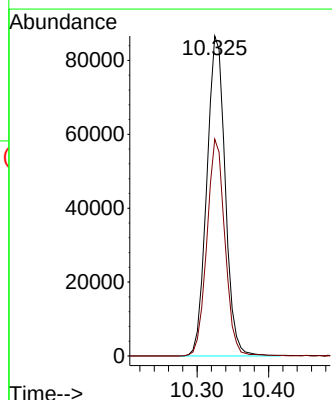
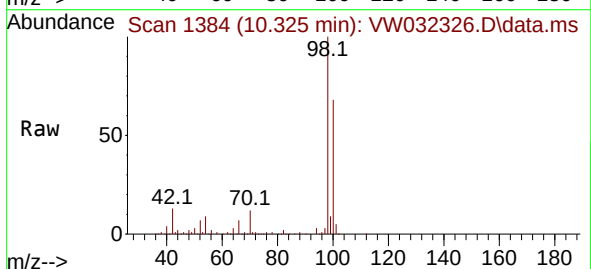
Acq: 02 Oct 2025 12:51

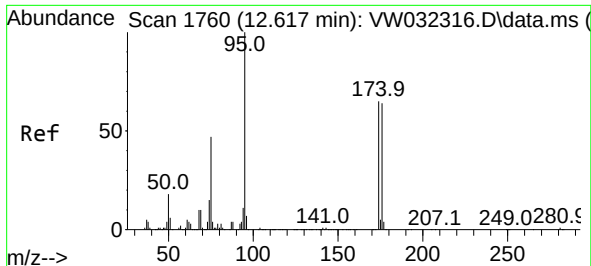
Tgt Ion: 98 Resp: 154597

Ion Ratio Lower Upper

98 100

100 66.5 51.4 77.2

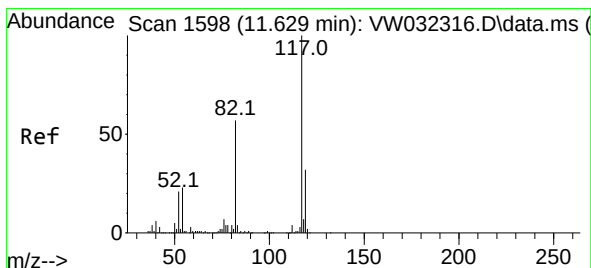
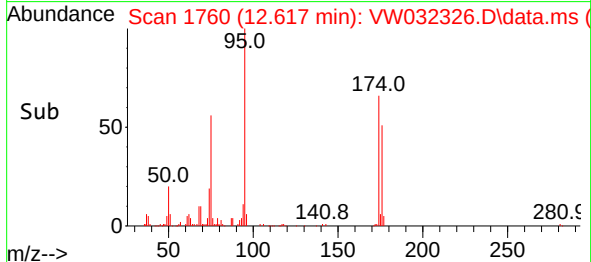
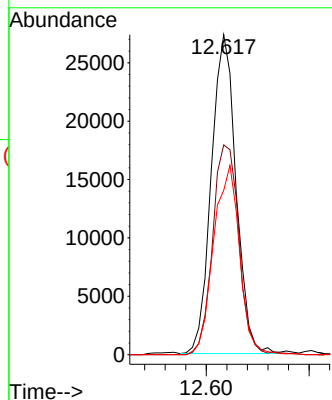
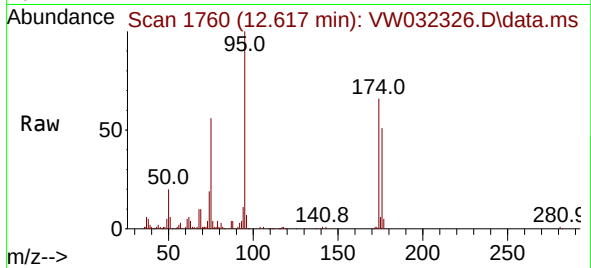




#62
4-Bromofluorobenzene
Concen: 37.510 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032326.D
Acq: 02 Oct 2025 12:51

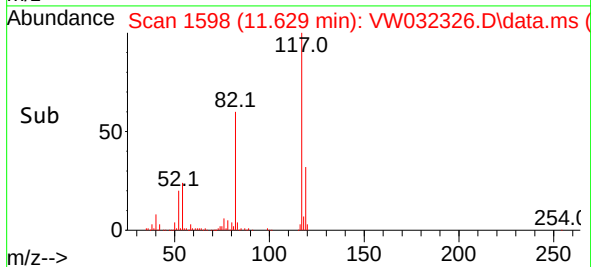
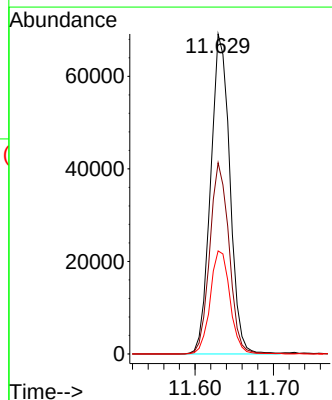
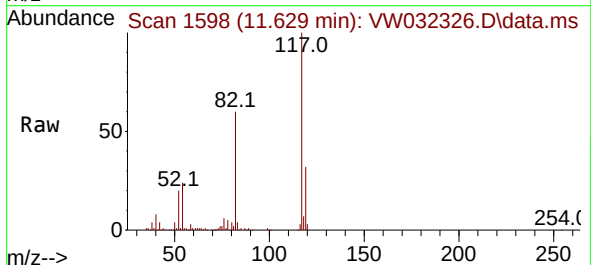
Instrument :
MSVOA_W
ClientSampleId :

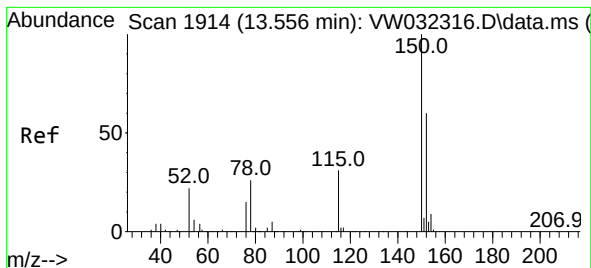
Tgt Ion: 95 Resp: 45641
Ion Ratio Lower Upper
95 100
174 69.9 0.0 145.6
176 62.1 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032326.D
Acq: 02 Oct 2025 12:51

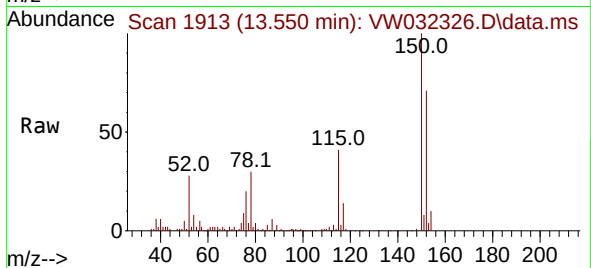
Tgt Ion: 117 Resp: 117826
Ion Ratio Lower Upper
117 100
82 59.7 42.7 64.1
119 32.2 25.2 37.8



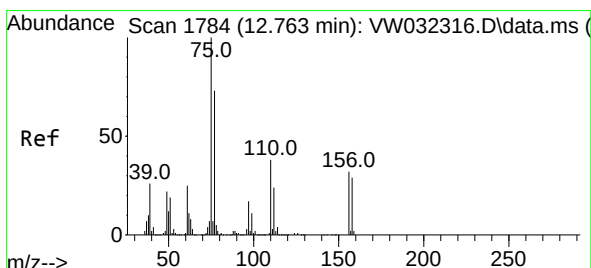
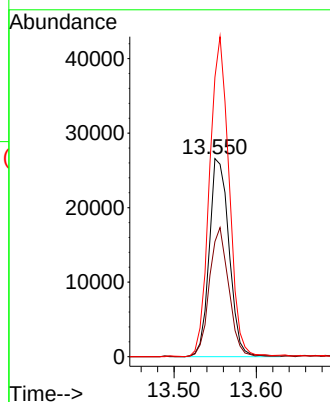
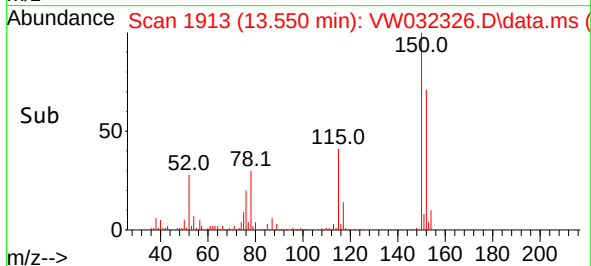


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.550 min Scan# 1914
 Delta R.T. -0.006 min
 Lab File: VW032326.D
 Acq: 02 Oct 2025 12:51

Instrument :
 MSVOA_W
 ClientSampleId :

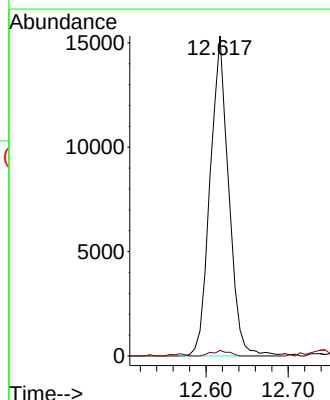
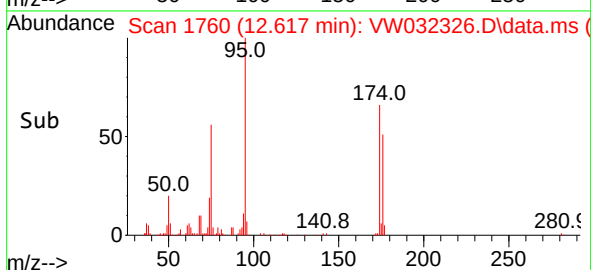
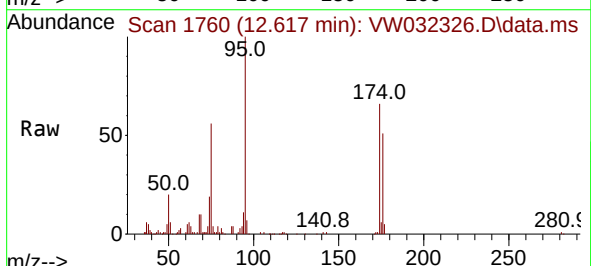


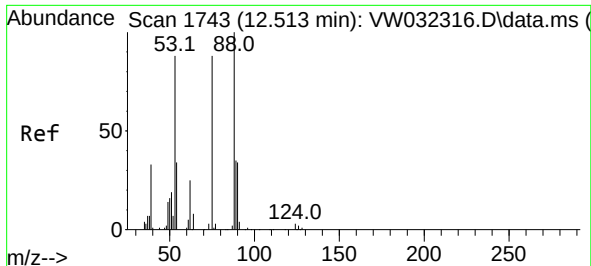
Tgt Ion:152 Resp: 44519
 Ion Ratio Lower Upper
 152 100
 115 63.7 31.8 95.4
 150 159.0 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 41.157 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032326.D
 Acq: 02 Oct 2025 12:51

Tgt Ion: 75 Resp: 24112
 Ion Ratio Lower Upper
 75 100
 77 1.6 141.7 425.1#

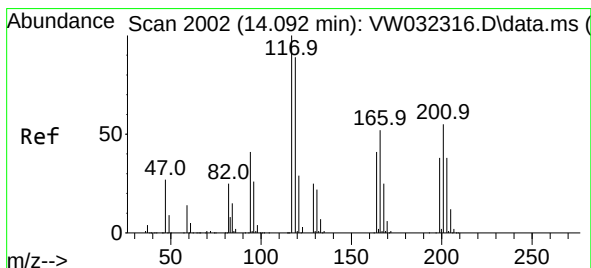
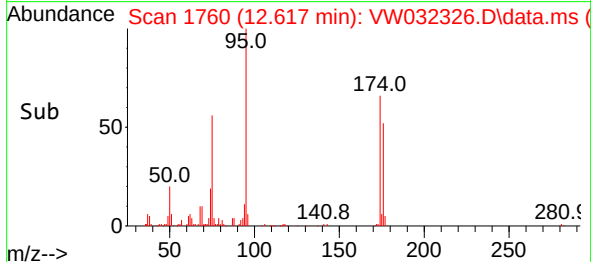
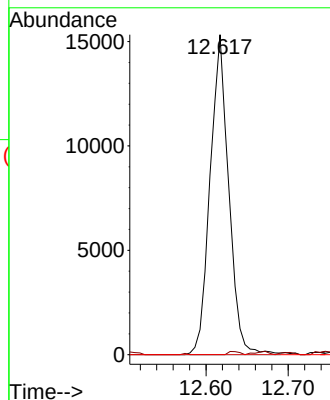
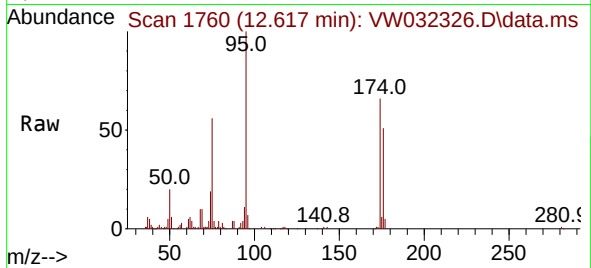




#81
trans-1,4-Dichloro-2-butene
Concen: 104.263 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.104 min
Lab File: VW032326.D
Acq: 02 Oct 2025 12:51

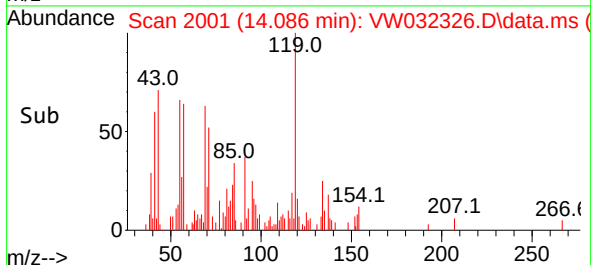
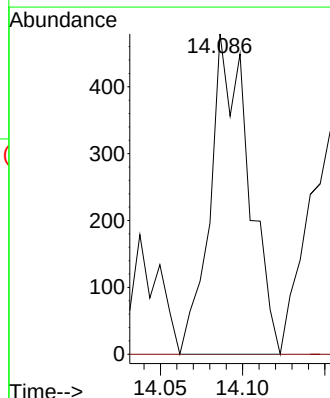
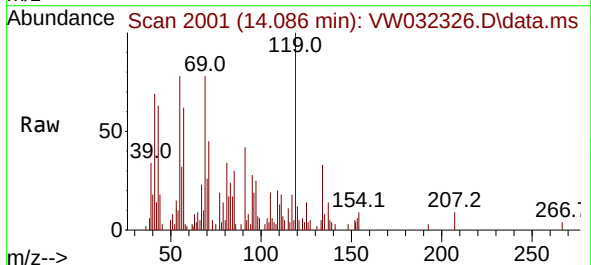
Instrument :
MSVOA_W
ClientSampleId :

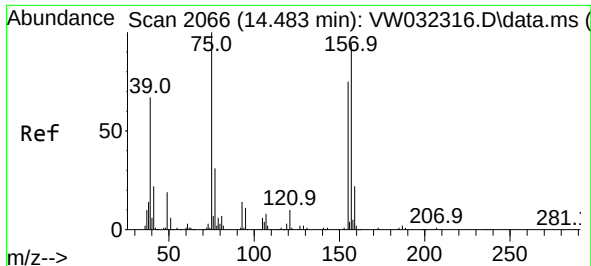
Tgt Ion: 75 Resp: 24112
Ion Ratio Lower Upper
75 100
53 0.6 91.0 136.6#
89 0.0 39.4 59.2#



#90
Hexachloroethane
Concen: 1.578 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032326.D
Acq: 02 Oct 2025 12:51

Tgt Ion: 117 Resp: 775
Ion Ratio Lower Upper
117 100
201 0.0 32.8 98.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.088 ug/l

RT: 14.483 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW032326.D

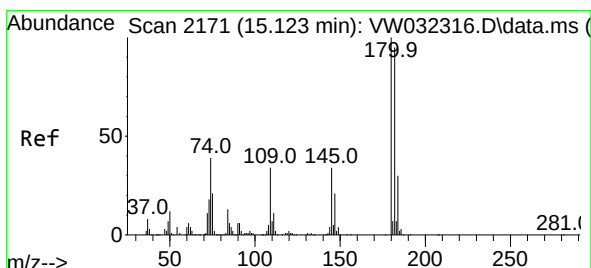
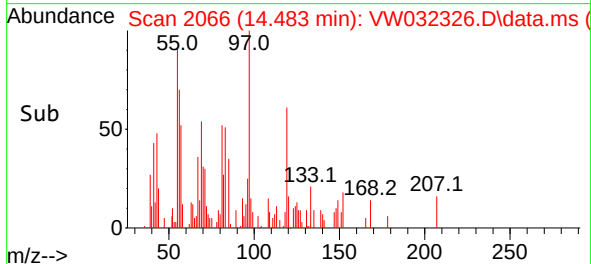
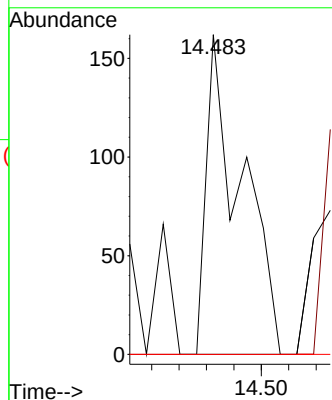
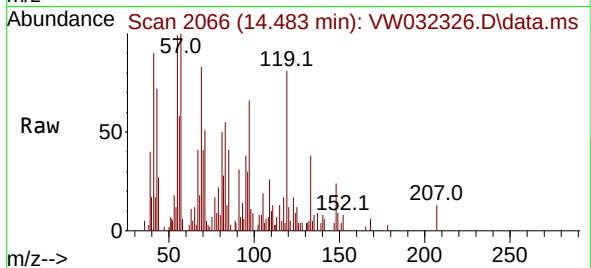
Acq: 02 Oct 2025 12:51

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	75	Resp:	144
Ion Ratio	Lower	Upper	
75	100		
155	0.0	40.8	122.5#
157	0.0	51.8	155.4#



#93

1,2,4-Trichlorobenzene

Concen: 1.784 ug/l

RT: 15.135 min Scan# 2173

Delta R.T. 0.012 min

Lab File: VW032326.D

Acq: 02 Oct 2025 12:51

Tgt Ion:	180	Resp:	1438
Ion Ratio	Lower	Upper	
180	100		
182	50.4	47.4	142.2
145	703.2	16.4	49.1#

