

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
 Data File : VW032336.D
 Acq On : 02 Oct 2025 16:31
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 22:12:28 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)

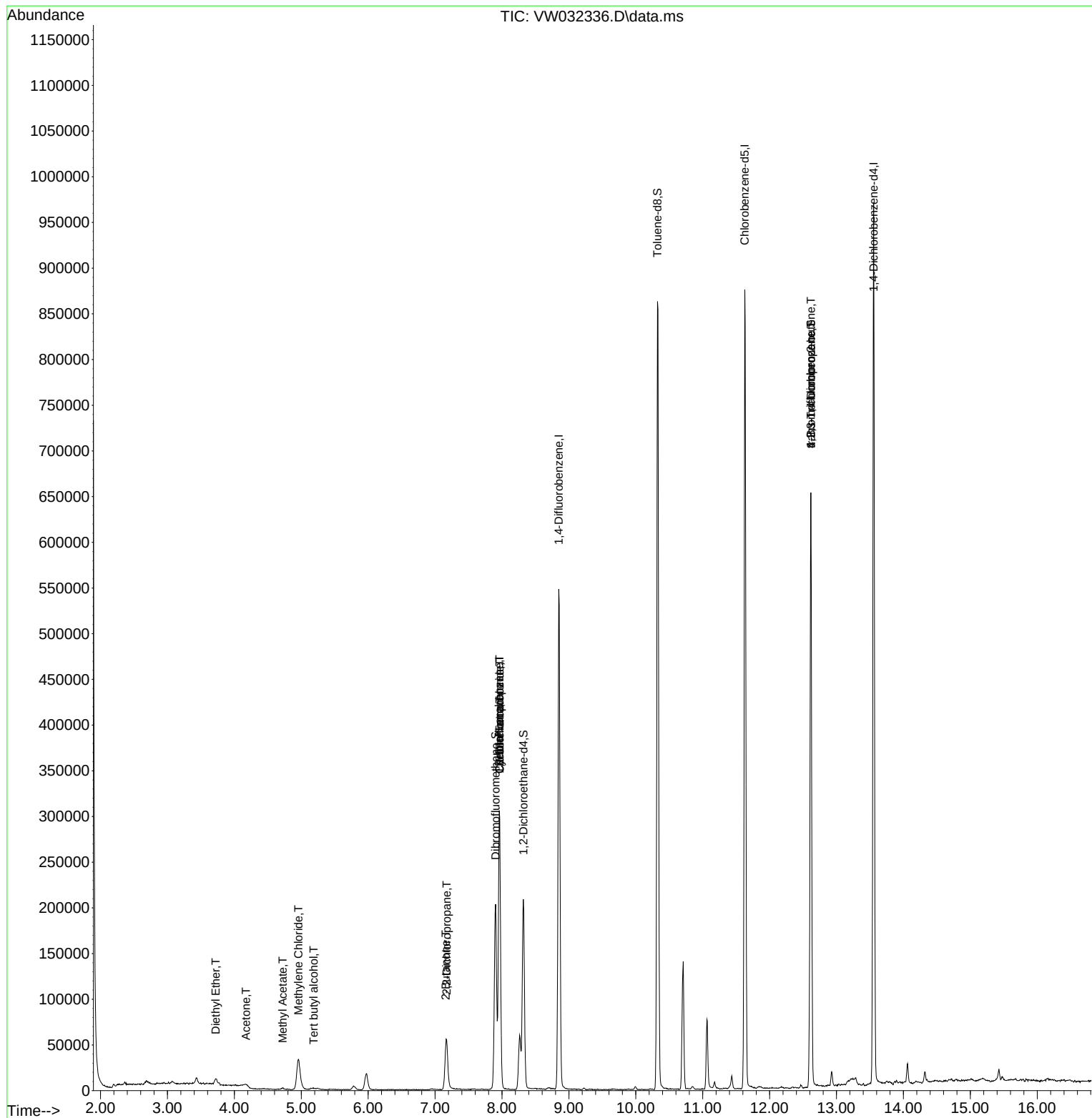
Internal Standards						
1) Pentafluorobenzene	7.959	168	212138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	456706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	463790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	243745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	174834	56.504	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	113.000%	
35) Dibromofluoromethane	7.904	113	149713	50.618	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	101.240%	
50) Toluene-d8	10.324	98	579239	53.063	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	106.120%	
62) 4-Bromofluorobenzene	12.617	95	223878	54.261	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	108.520%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.722	74	3299	2.074	ug/l	91
11) Tert butyl alcohol	5.185	59	521	2.225	ug/l #	80
16) Acetone	4.173	43	2232	2.605	ug/l #	83
18) Methyl Acetate	4.722	43	3053	1.244	ug/l #	72
20) Methylene Chloride	4.959	84	28450	5.246	ug/l	97
25) 2-Butanone	7.160	43	3533	3.028	ug/l #	80
26) 2,2-Dichloropropane	7.172	77	4123	1.580	ug/l #	52
31) Cyclohexane	7.965	56	5482	1.259	ug/l #	19
36) 1,1-Dichloropropene	7.965	75	19922	4.773	ug/l #	49
38) Carbon Tetrachloride	7.965	117	24074	6.129	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	114864	35.810	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	114864	90.718	ug/l #	5

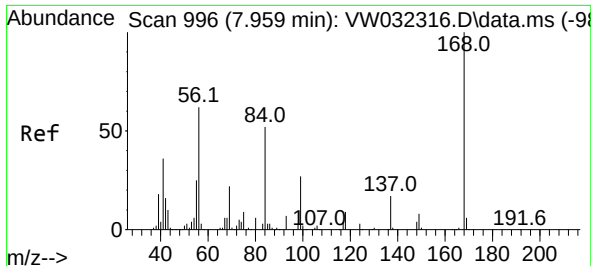
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 02 22:12:28 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

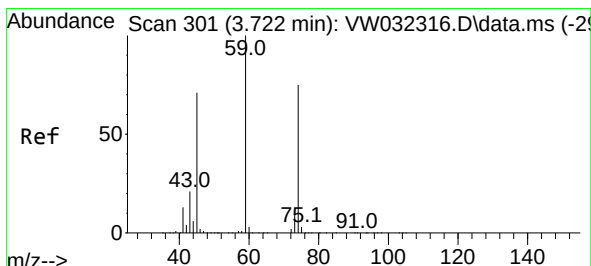
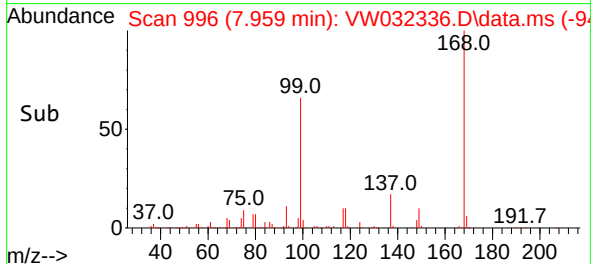
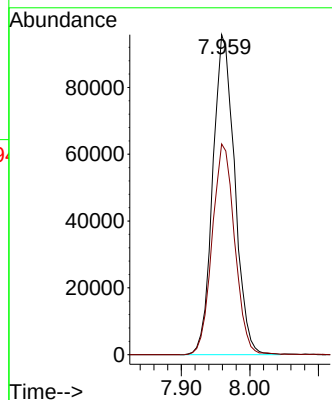
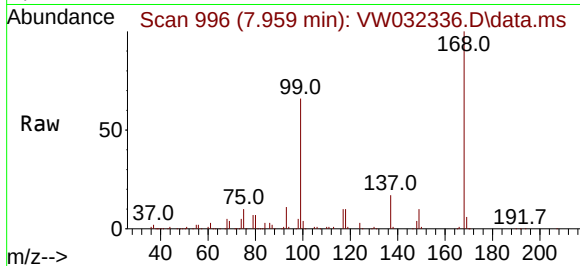




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

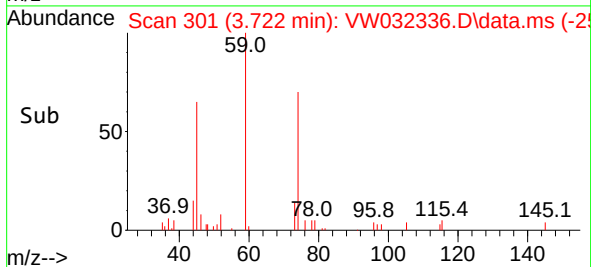
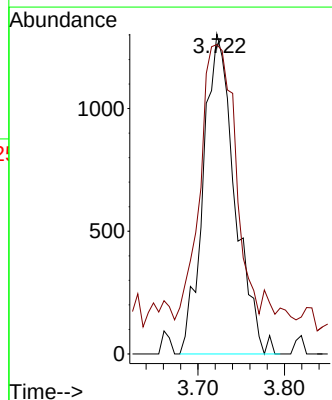
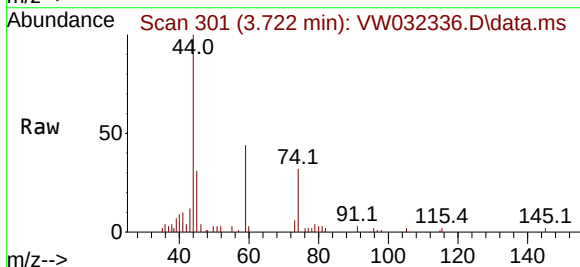
Instrument :
MSVOA_W
ClientSampleId :

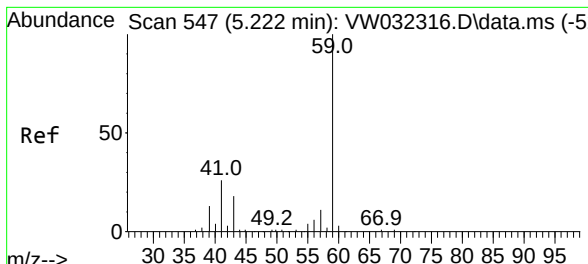
Tgt Ion:168 Resp: 212138
Ion Ratio Lower Upper
168 100
99 65.9 49.3 73.9



#8
Diethyl Ether
Concen: 2.074 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

Tgt Ion: 74 Resp: 3299
Ion Ratio Lower Upper
74 100
45 95.0 43.1 129.4

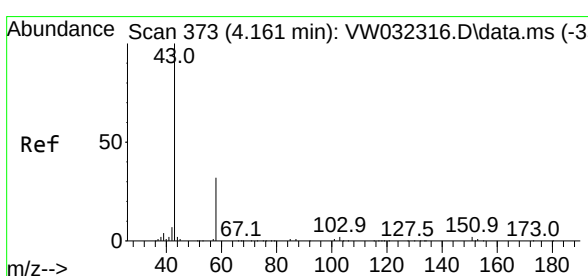
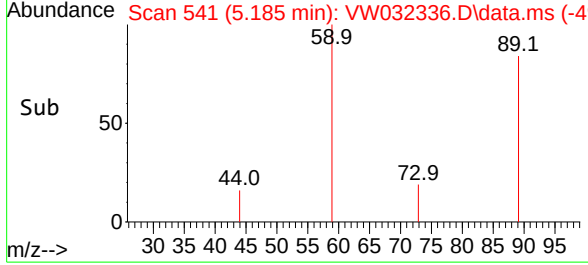
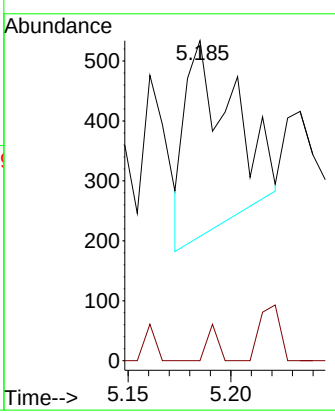
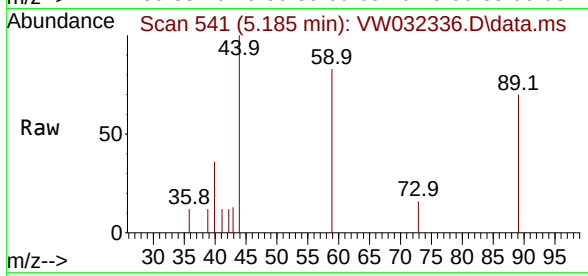




#11
 Tert butyl alcohol
 Concen: 2.225 ug/l
 RT: 5.185 min Scan# 541
 Delta R.T. -0.037 min
 Lab File: VW032336.D
 Acq: 02 Oct 2025 16:31

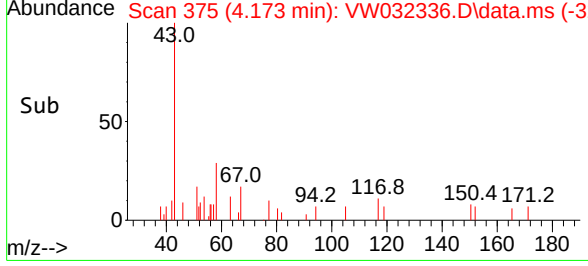
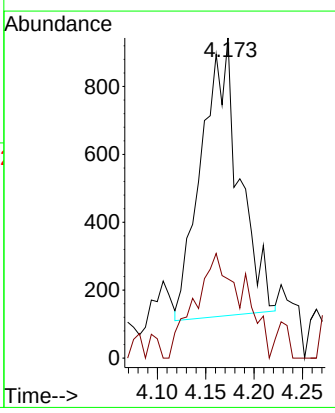
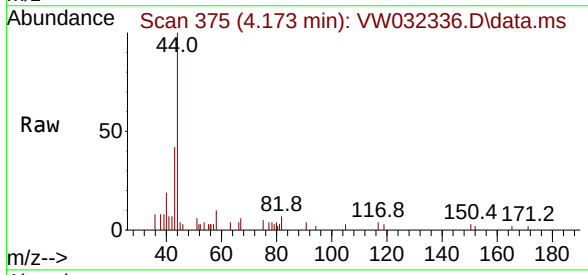
Instrument :
 MSVOA_W
 ClientSampleId :

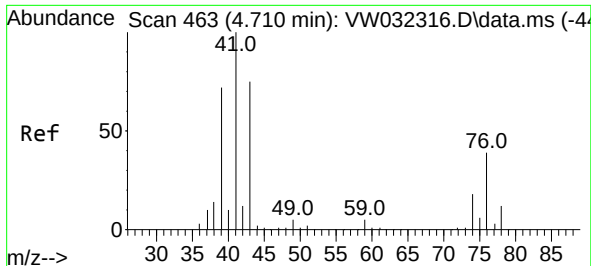
Tgt Ion:	59	Resp:	521
Ion Ratio	100	Lower	Upper
57	4.2	9.8	14.6#



#16
 Acetone
 Concen: 2.605 ug/l
 RT: 4.173 min Scan# 375
 Delta R.T. 0.012 min
 Lab File: VW032336.D
 Acq: 02 Oct 2025 16:31

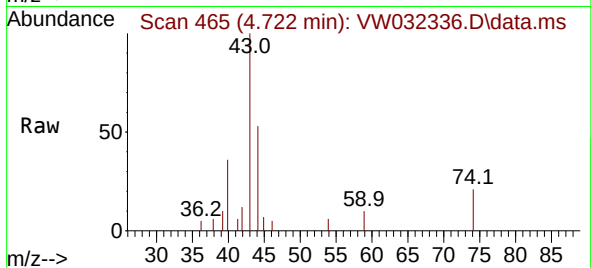
Tgt Ion:	43	Resp:	2232
Ion Ratio	100	Lower	Upper
58	22.0	25.3	37.9#



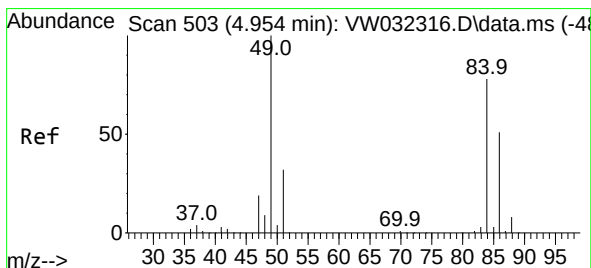
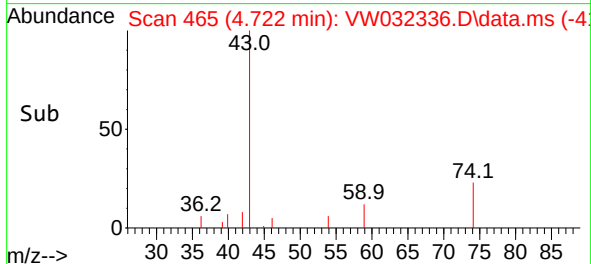
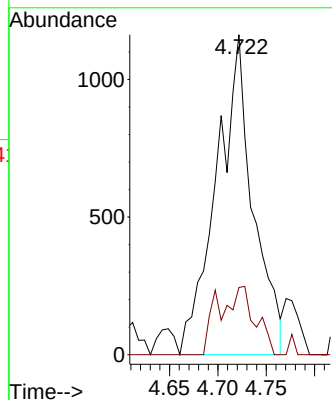


#18
Methyl Acetate
Concen: 1.244 ug/l
RT: 4.722 min Scan# 4
Delta R.T. 0.012 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

Instrument :
MSVOA_W
ClientSampleId :

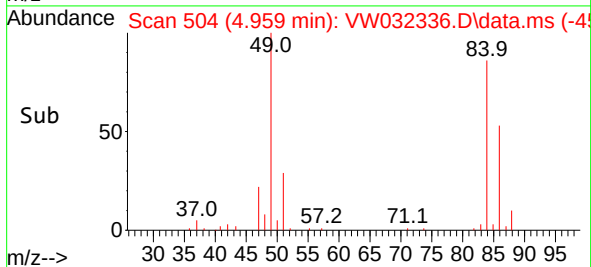
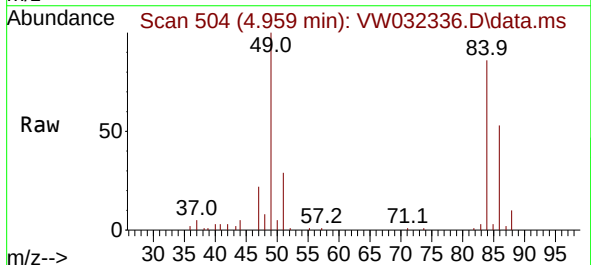
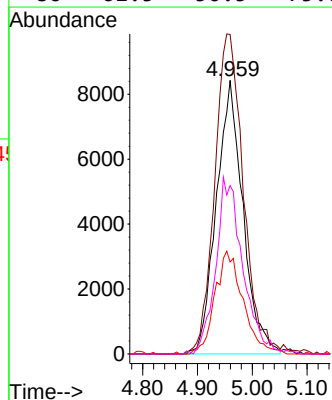


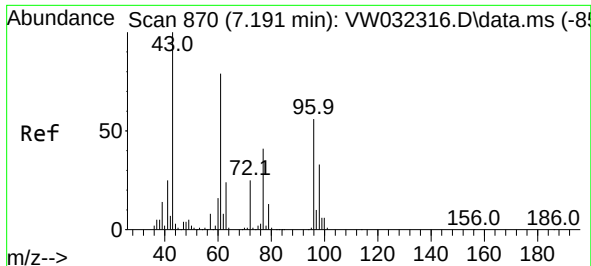
Tgt Ion: 43 Resp: 3053
Ion Ratio Lower Upper
43 100
74 11.1 20.2 30.4#



#20
Methylene Chloride
Concen: 5.246 ug/l
RT: 4.959 min Scan# 504
Delta R.T. -0.001 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

Tgt Ion: 84 Resp: 28450
Ion Ratio Lower Upper
84 100
49 116.8 92.2 138.4
51 33.7 31.0 46.6
86 61.5 50.5 75.7





#25

2-Butanone

Concen: 3.028 ug/l

RT: 7.160 min Scan# 865

Delta R.T. -0.031 min

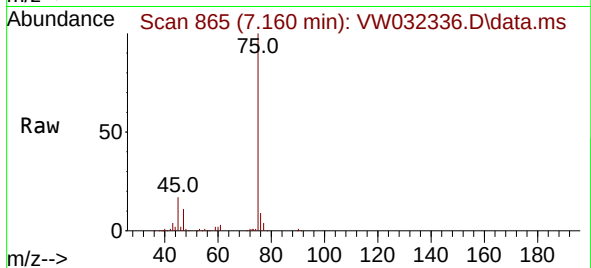
Lab File: VW032336.D

Acq: 02 Oct 2025 16:31

Instrument :

MSVOA_W

ClientSampleId :

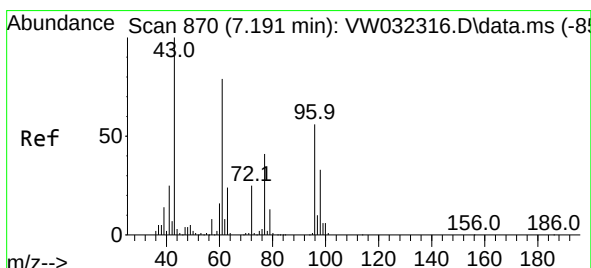
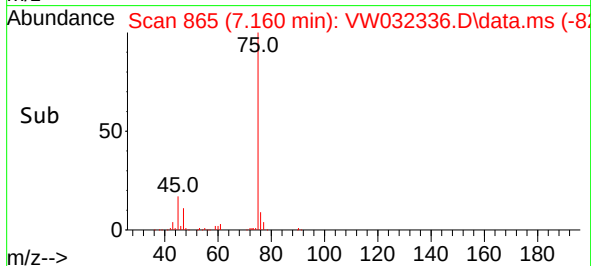
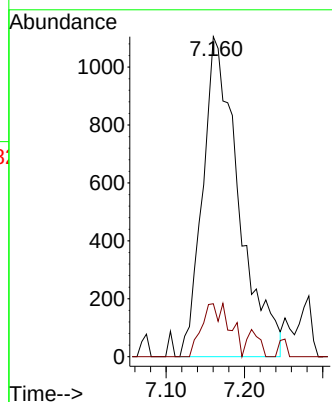


Tgt Ion: 43 Resp: 3533

Ion Ratio Lower Upper

43 100

72 16.6 21.4 32.2#



#26

2,2-Dichloropropane

Concen: 1.580 ug/l

RT: 7.172 min Scan# 867

Delta R.T. -0.013 min

Lab File: VW032336.D

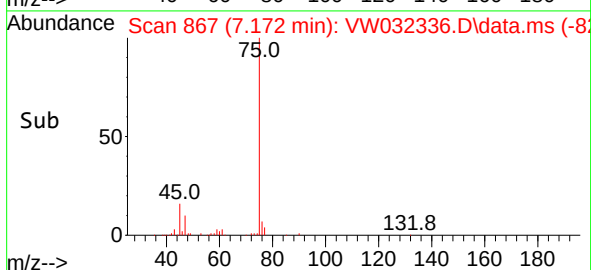
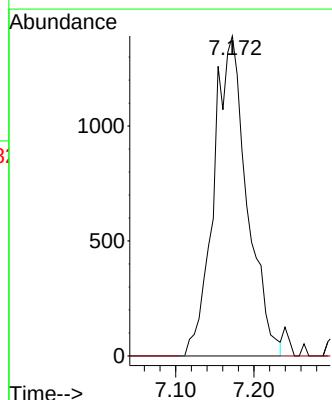
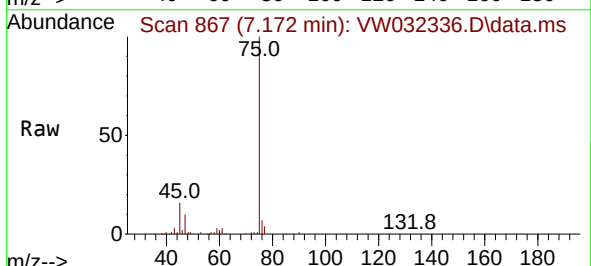
Acq: 02 Oct 2025 16:31

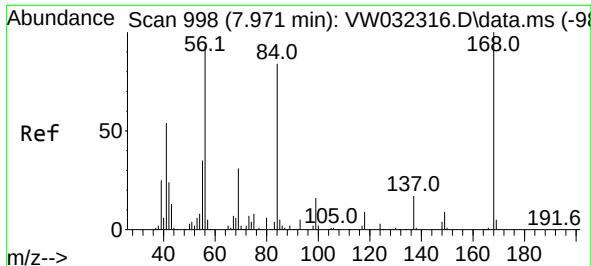
Tgt Ion: 77 Resp: 4123

Ion Ratio Lower Upper

77 100

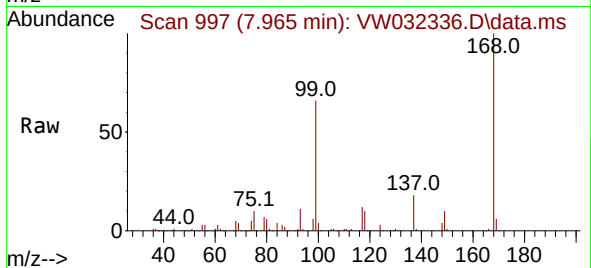
97 0.0 11.9 35.5#



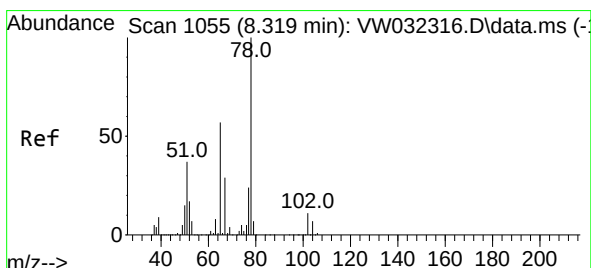
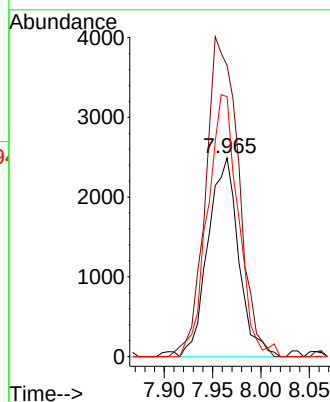
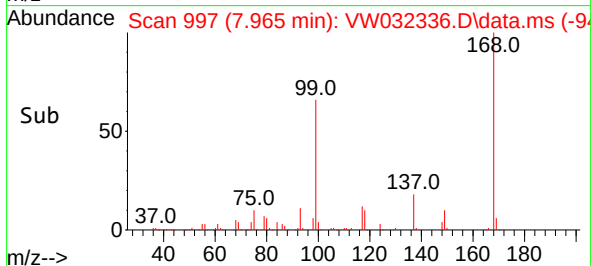


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.007 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

Instrument :
MSVOA_W
ClientSampleId :

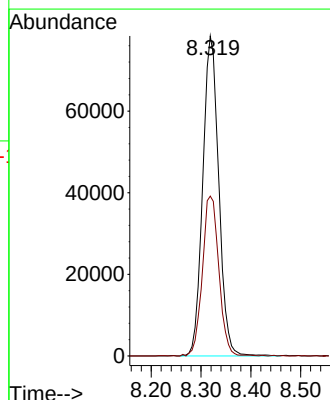
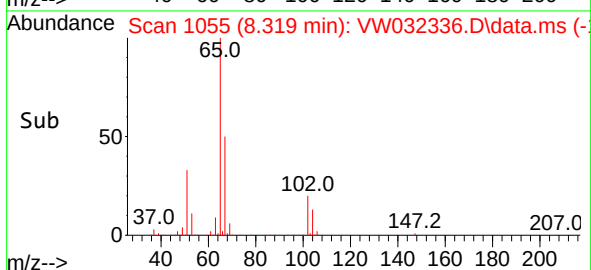
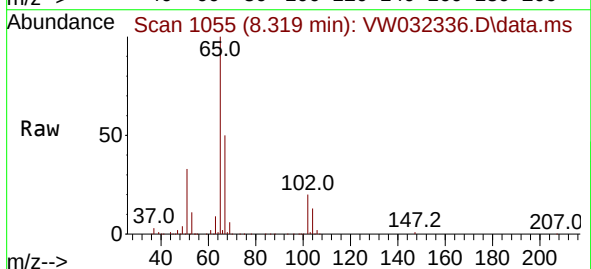


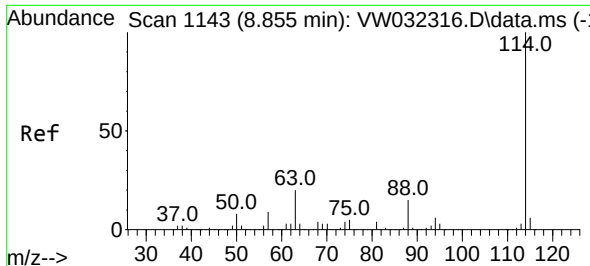
Tgt Ion: 56 Resp: 5482
Ion Ratio Lower Upper
56 100
69 146.6 27.7 41.5#
84 130.9 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 56.504 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

Tgt Ion: 65 Resp: 174834
Ion Ratio Lower Upper
65 100
67 51.3 0.0 99.6

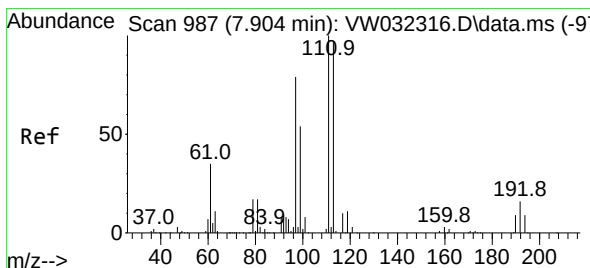
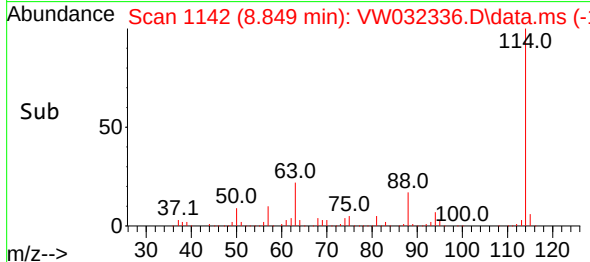
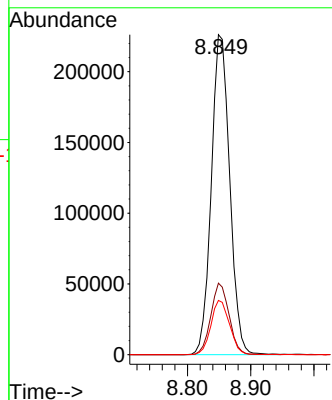
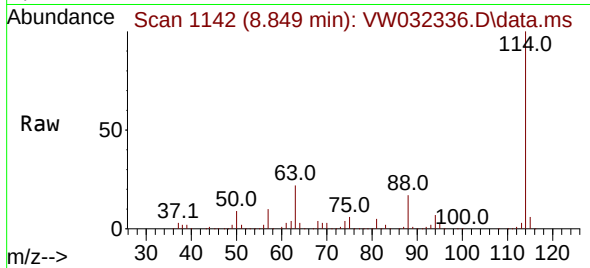




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.007 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

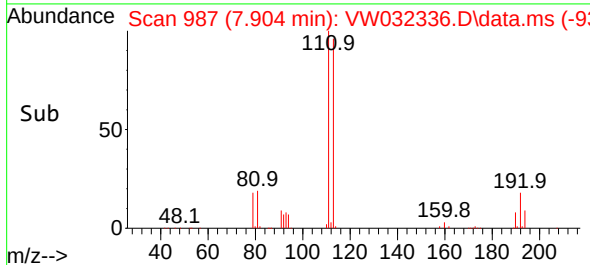
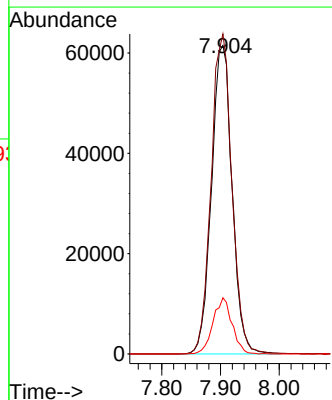
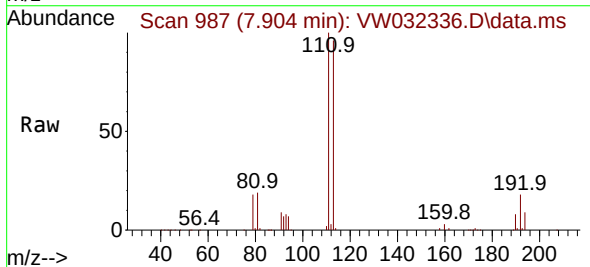
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MSVOA_W
ClientSampleId :

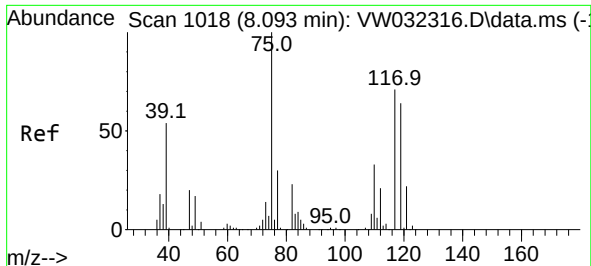
Tgt Ion:114 Resp: 456706
Ion Ratio Lower Upper
114 100
63 22.4 0.0 40.4
88 17.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.618 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

Tgt Ion:113 Resp: 149713
Ion Ratio Lower Upper
113 100
111 104.7 83.9 125.9
192 16.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.773 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.135 min

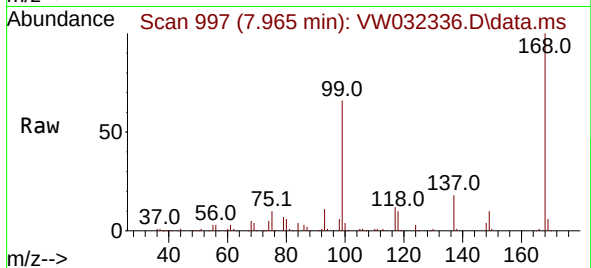
Lab File: VW032336.D

Acq: 02 Oct 2025 16:31

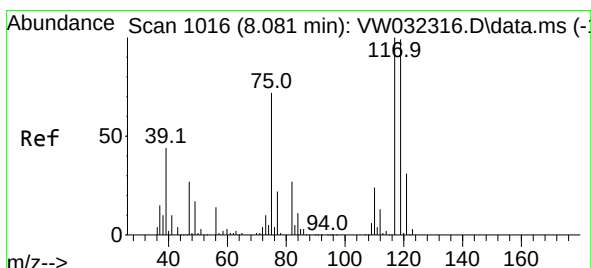
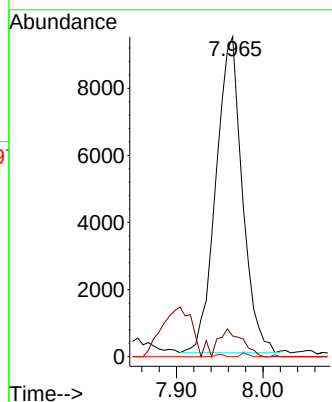
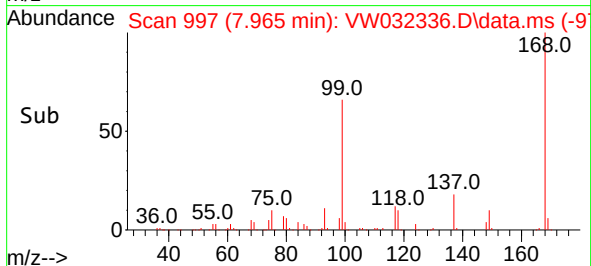
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 75	Resp: 19922
Ion Ratio	Lower Upper
75	100
110	7.7 17.5 52.5#
77	0.2 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.129 ug/l

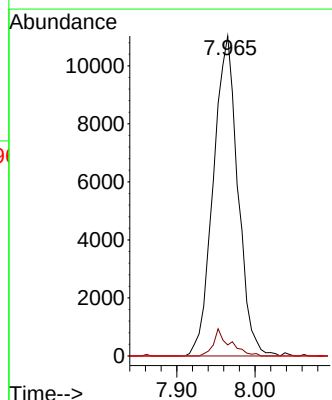
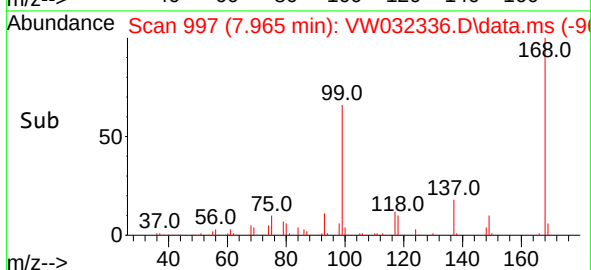
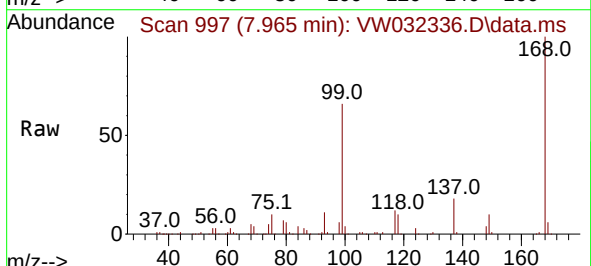
RT: 7.965 min Scan# 997

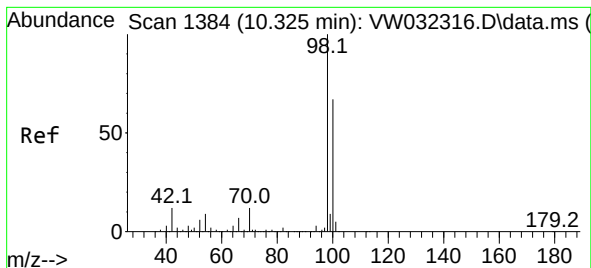
Delta R.T. -0.122 min

Lab File: VW032336.D

Acq: 02 Oct 2025 16:31

Tgt Ion: 117	Resp: 24074
Ion Ratio	Lower Upper
117	100
119	3.5 74.2 111.2#
121	0.0 25.6 38.4#

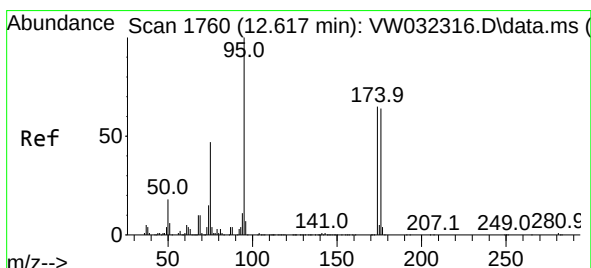
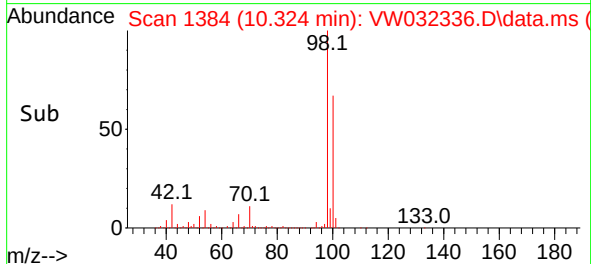
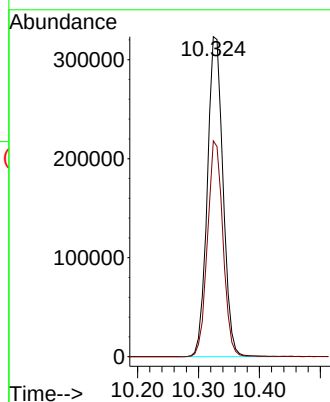
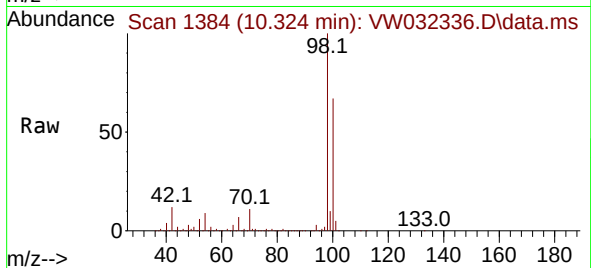




#50
Toluene-d8
Concen: 53.063 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

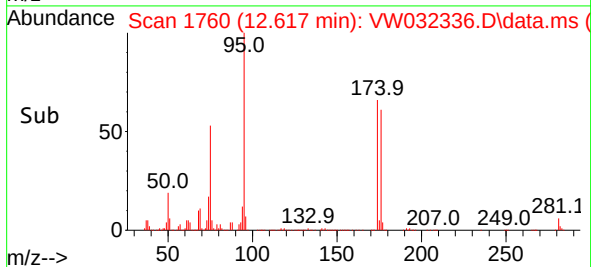
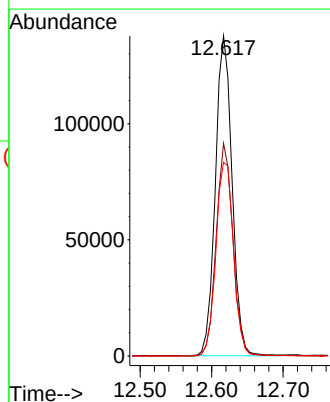
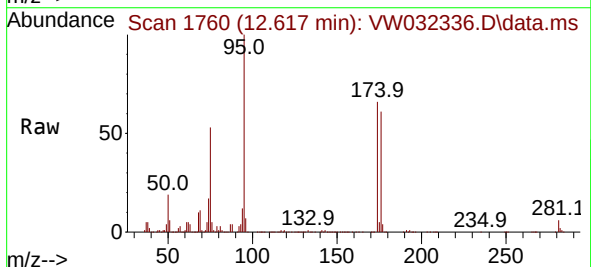
Instrument :
MSVOA_W
ClientSampleId :

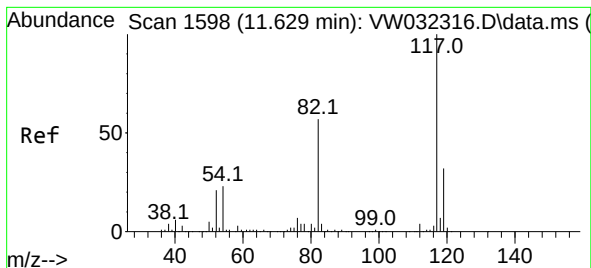
Tgt Ion: 98 Resp: 579239
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 54.261 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

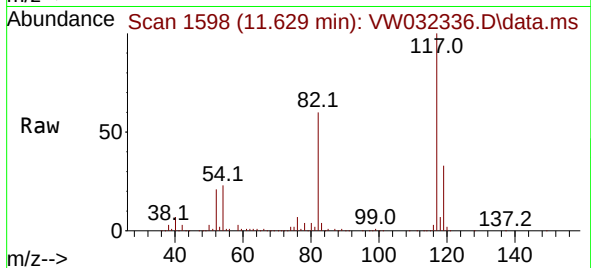
Tgt Ion: 95 Resp: 223878
Ion Ratio Lower Upper
95 100
174 66.3 0.0 145.6
176 63.9 0.0 140.8



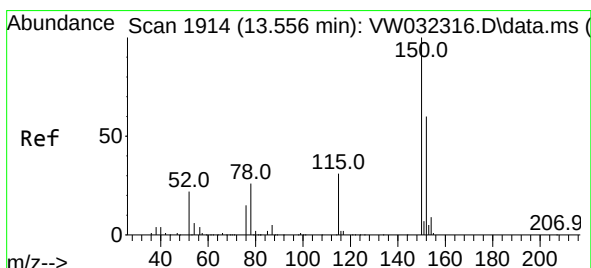
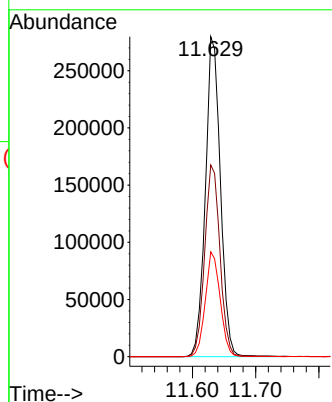
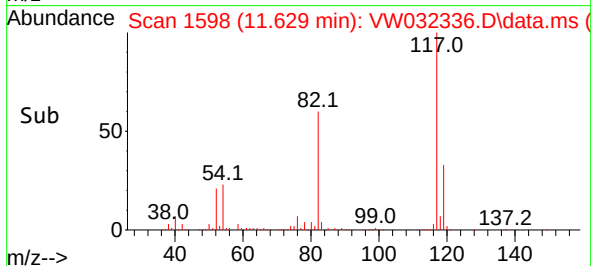


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

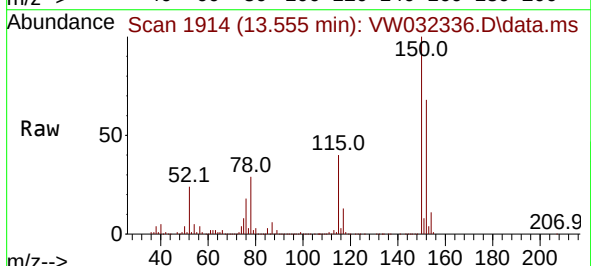
Instrument :
MSVOA_W
ClientSampleId :



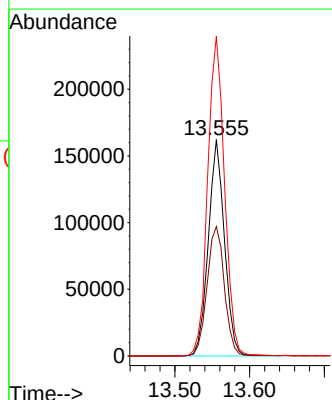
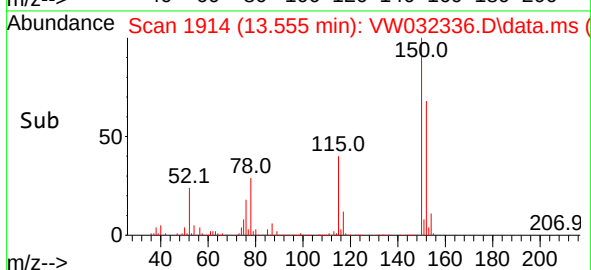
Tgt Ion:117 Resp: 463790
Ion Ratio Lower Upper
117 100
82 59.9 42.7 64.1
119 32.8 25.2 37.8

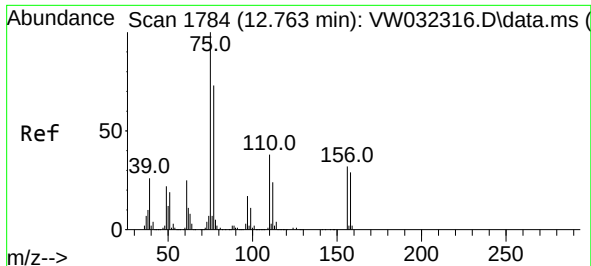


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31



Tgt Ion:152 Resp: 243745
Ion Ratio Lower Upper
152 100
115 64.0 31.8 95.4
150 153.7 0.0 343.0

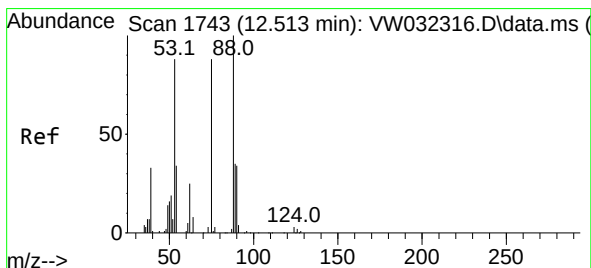
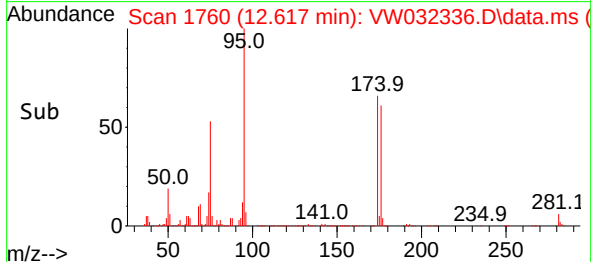
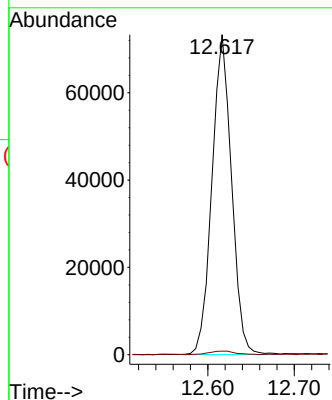
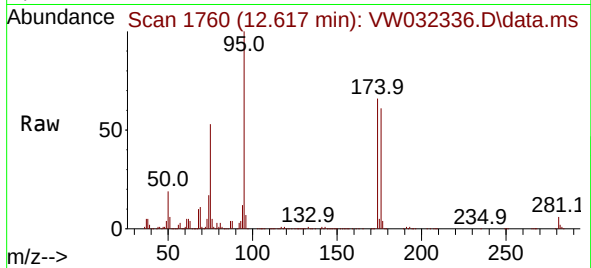




#76
1,2,3-Trichloropropane
Concen: 35.810 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 114864
Ion Ratio Lower Upper
75 100
77 1.6 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.718 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

Tgt Ion: 75 Resp: 114864
Ion Ratio Lower Upper
75 100
53 0.3 91.0 136.6#
89 0.0 39.4 59.2#

