

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100725\
 Data File : VW032371.D
 Acq On : 07 Oct 2025 10:08
 Operator : SY/MD
 Sample : VW1007SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBL01

Quant Time: Oct 08 03:18:06 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	160398	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	388212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	378174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179103	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	157305	67.239	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	134.480%
35) Dibromofluoromethane	7.898	113	138894	55.246	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	110.500%
50) Toluene-d8	10.325	98	475159	51.208	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	102.420%
62) 4-Bromofluorobenzene	12.617	95	168271	47.979	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.960%

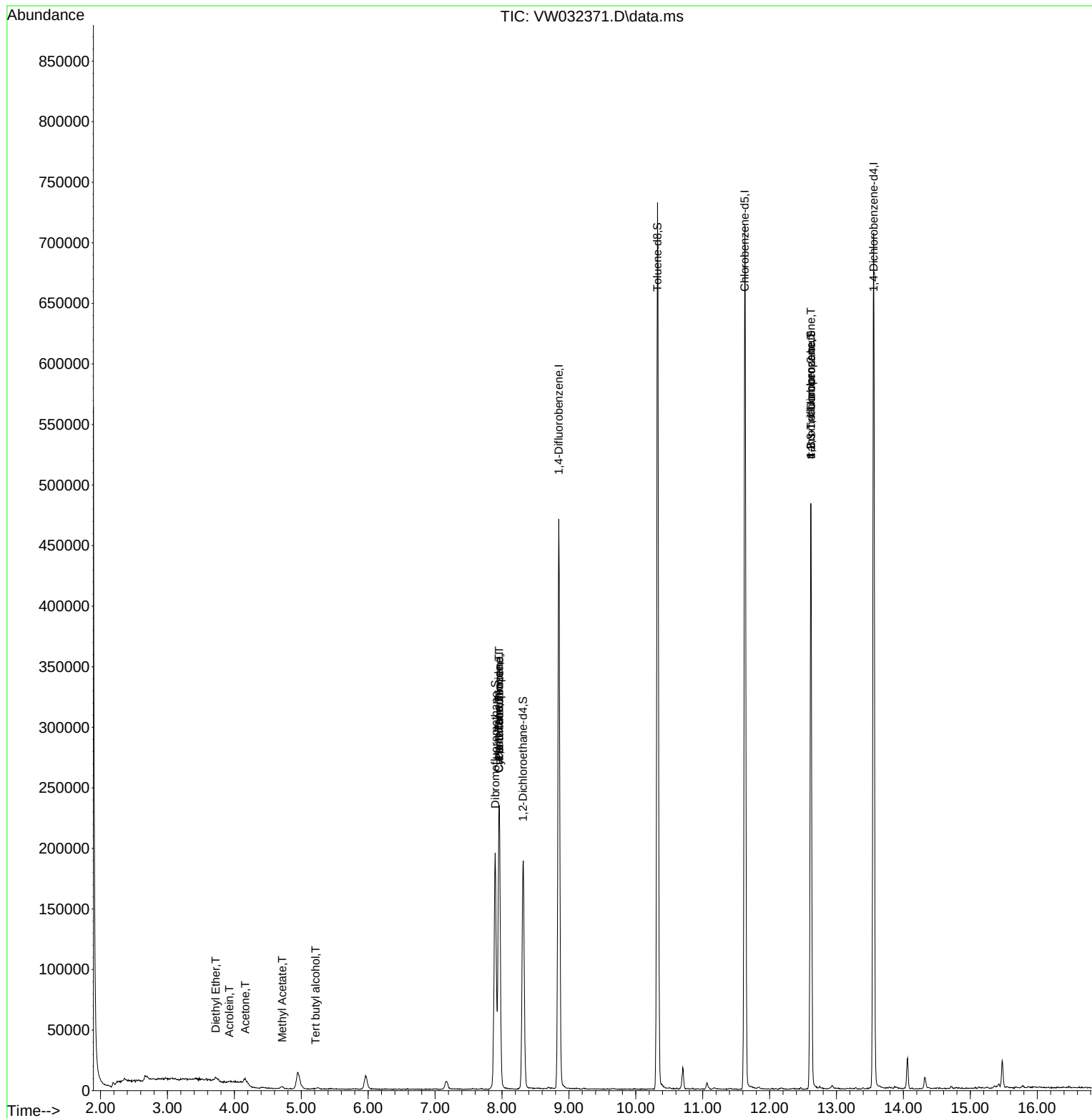
Target Compounds						Qvalue
8) Diethyl Ether	3.722	74	1336	1.111	ug/l	78
11) Tert butyl alcohol	5.216	59	242	1.367	ug/l	# 69
13) Acrolein	3.923	56	480	1.670	ug/l	# 40
16) Acetone	4.161	43	4728	7.299	ug/l	98
18) Methyl Acetate	4.716	43	4284	2.309	ug/l	# 76
31) Cyclohexane	7.953	56	4564	1.386	ug/l	# 1
36) 1,1-Dichloropropene	7.959	75	15714	4.429	ug/l	# 49
38) Carbon Tetrachloride	7.953	117	18460	5.529	ug/l	# 20
76) 1,2,3-Trichloropropane	12.617	75	86286	36.610	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	86286	92.743	ug/l	# 5

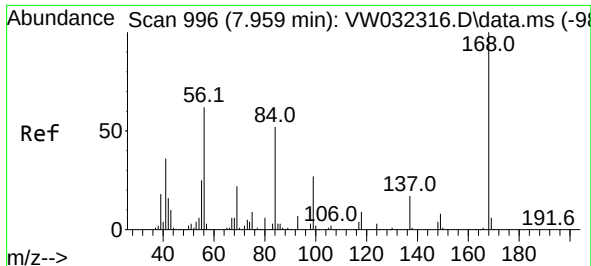
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VW032371.D
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MSVOA_W
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Quant Time: Oct 08 03:18:06 2025
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Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

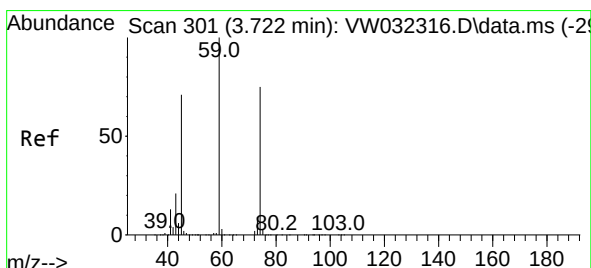
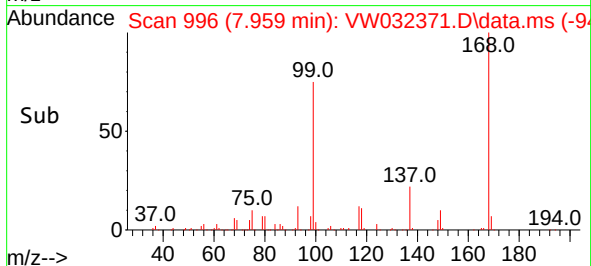
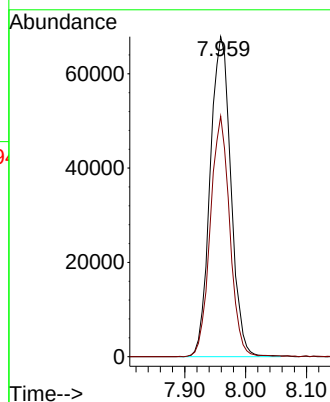
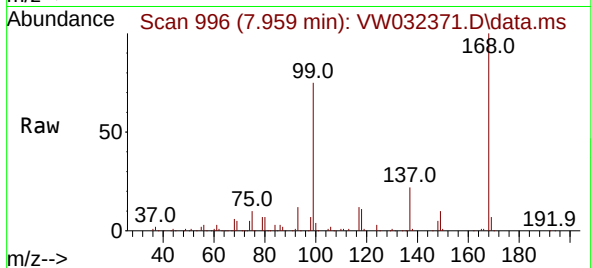




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

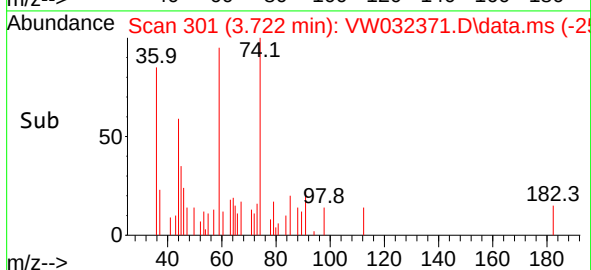
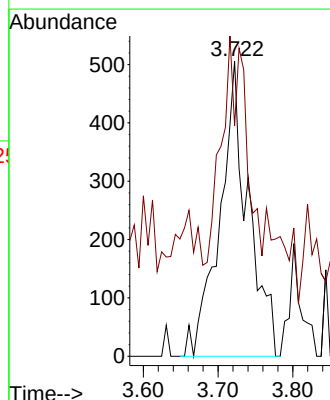
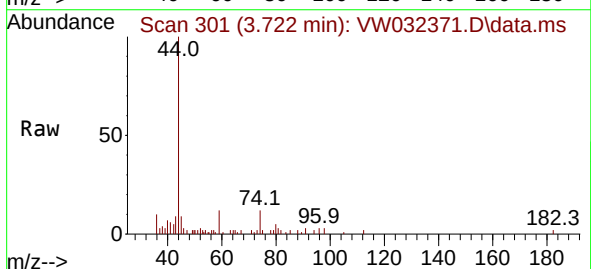
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBL01

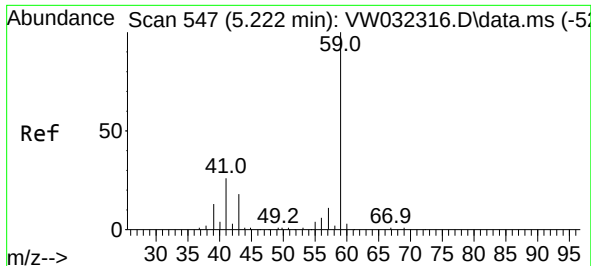
Tgt Ion:168 Resp: 160398
Ion Ratio Lower Upper
168 100
99 75.1 49.3 73.9#



#8
Diethyl Ether
Concen: 1.111 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

Tgt Ion: 74 Resp: 1336
Ion Ratio Lower Upper
74 100
45 66.2 43.1 129.4

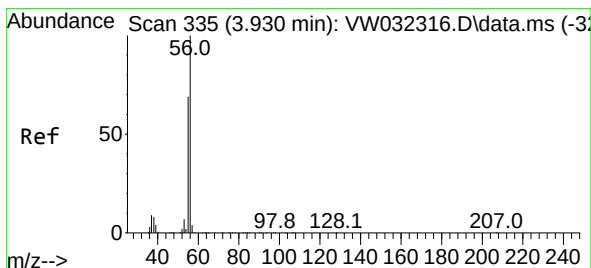
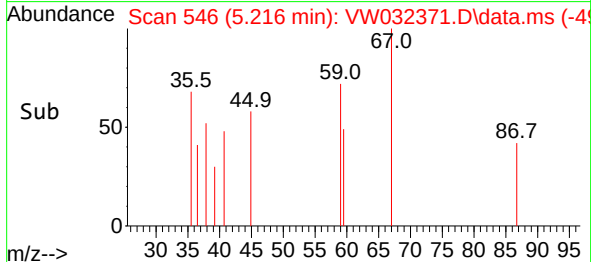
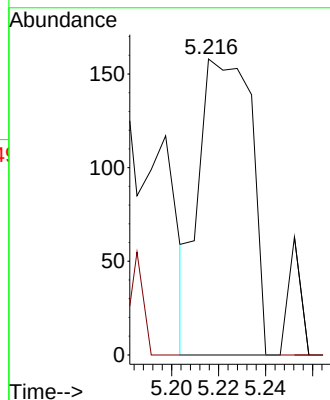
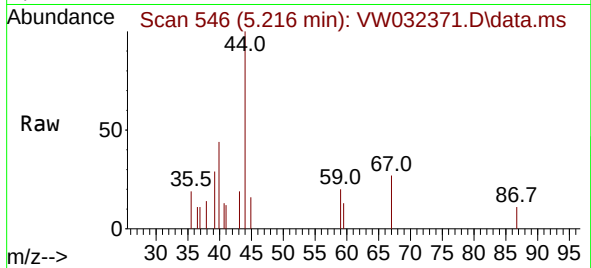




#11
Tert butyl alcohol
Concen: 1.367 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

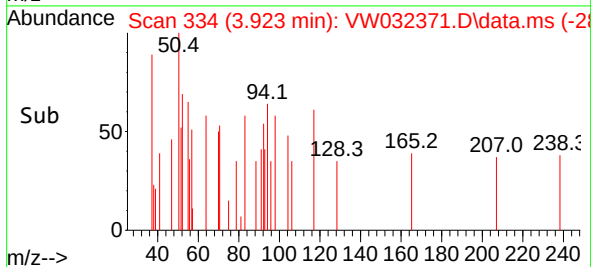
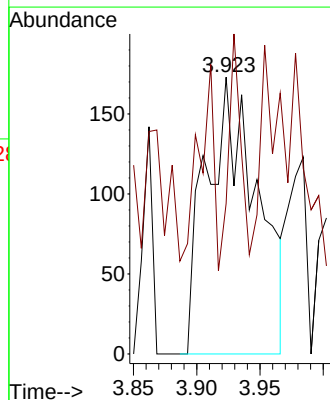
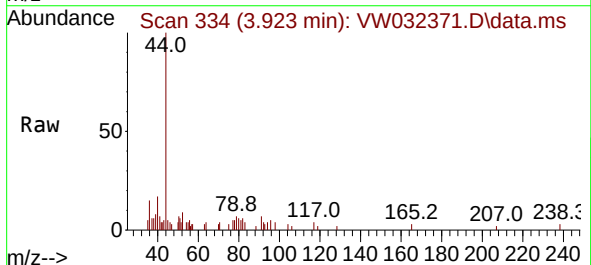
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBL01

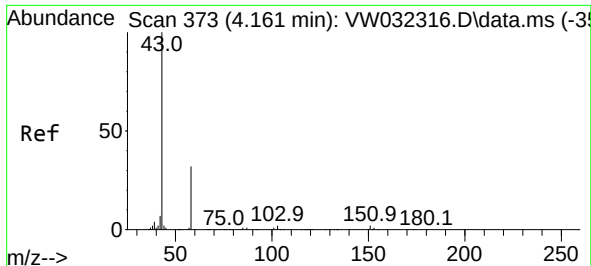
Tgt Ion: 59 Resp: 242
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#



#13
Acrolein
Concen: 1.670 ug/l
RT: 3.923 min Scan# 334
Delta R.T. -0.006 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

Tgt Ion: 56 Resp: 480
Ion Ratio Lower Upper
56 100
55 20.8 56.4 84.6#

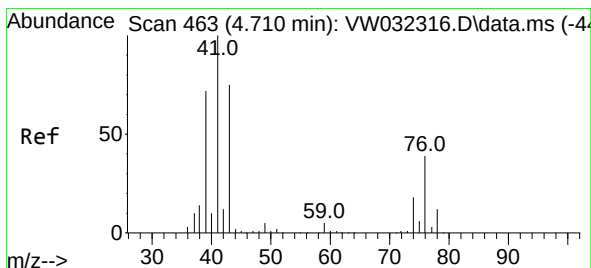
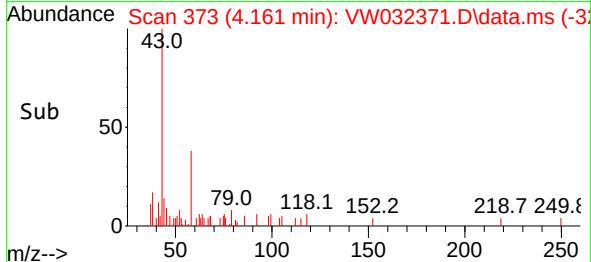
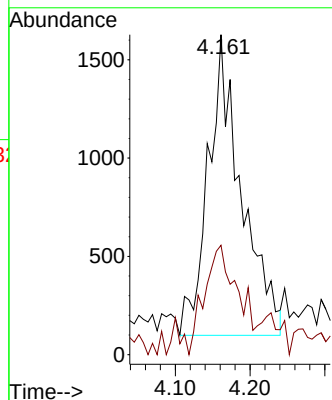
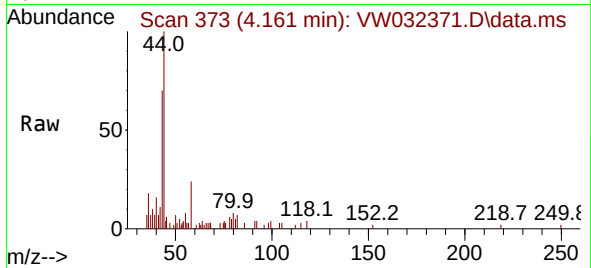




#16
Acetone
Concen: 7.299 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

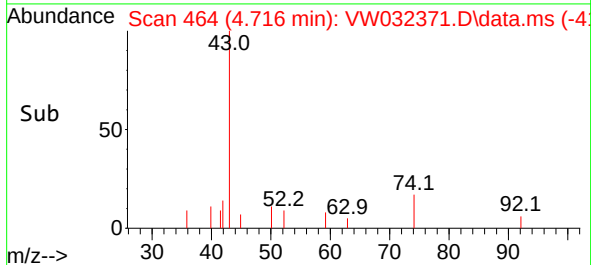
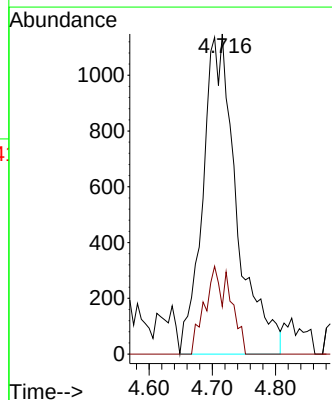
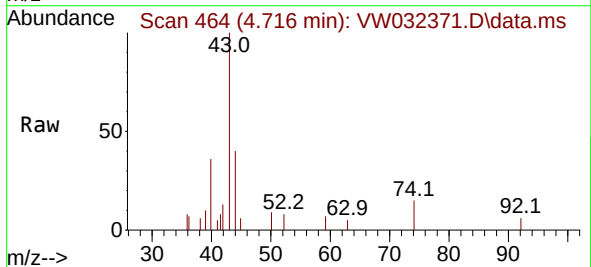
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBL01

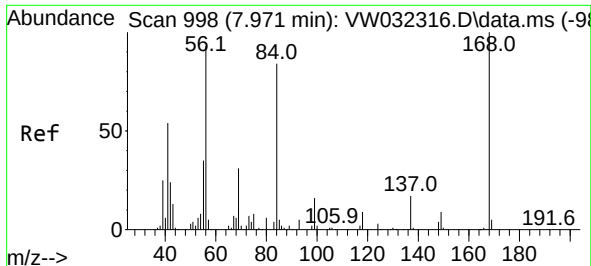
Tgt Ion: 43 Resp: 4728
Ion Ratio Lower Upper
43 100
58 32.8 25.3 37.9



#18
Methyl Acetate
Concen: 2.309 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

Tgt Ion: 43 Resp: 4284
Ion Ratio Lower Upper
43 100
74 13.2 20.2 30.4#

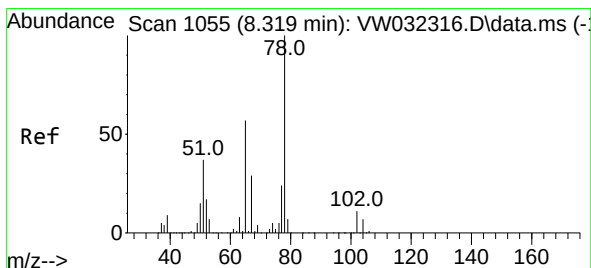
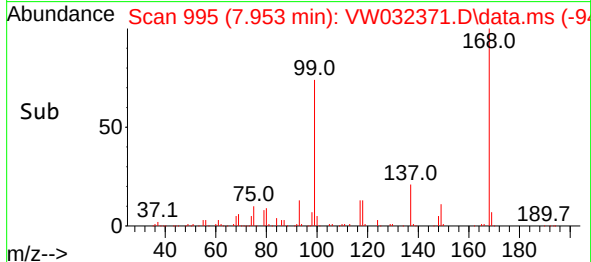
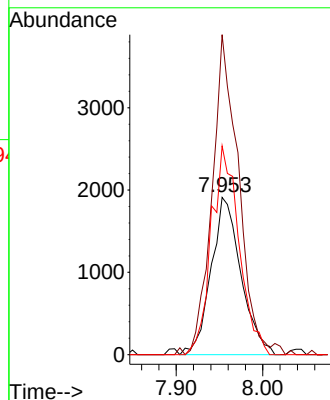
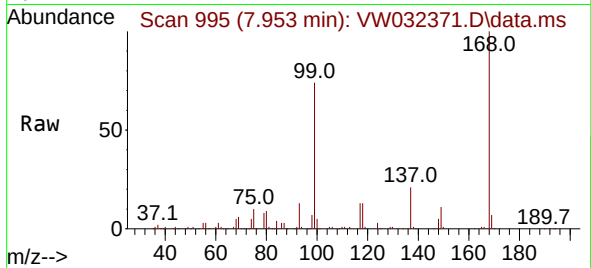




#31
Cyclohexane
Concen: 1.386 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

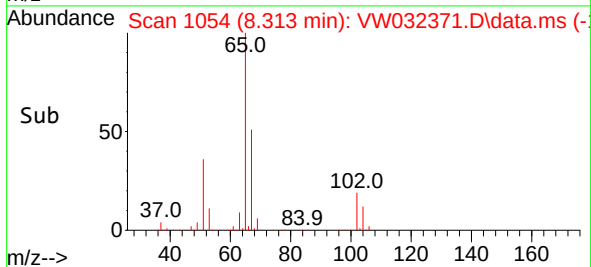
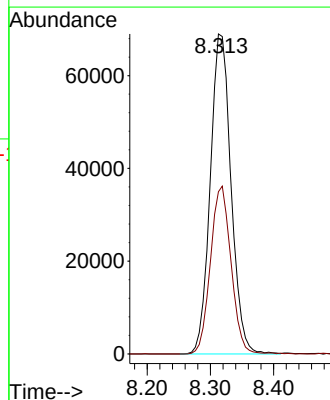
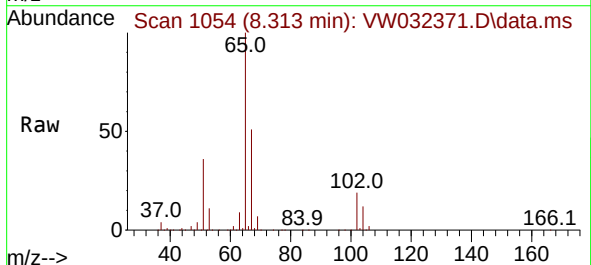
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBL01

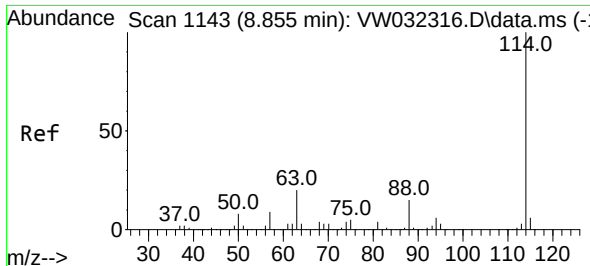
Tgt Ion: 56 Resp: 4564
Ion Ratio Lower Upper
56 100
69 199.1 27.7 41.5#
84 132.8 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 67.239 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

Tgt Ion: 65 Resp: 157305
Ion Ratio Lower Upper
65 100
67 52.0 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW032371.D

Acq: 07 Oct 2025 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBL01

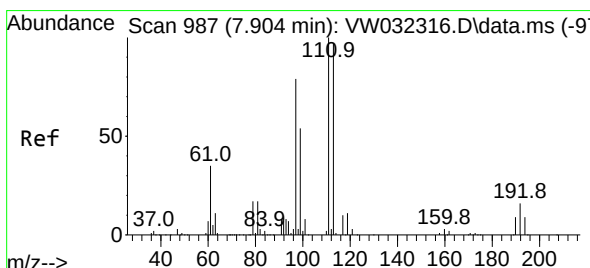
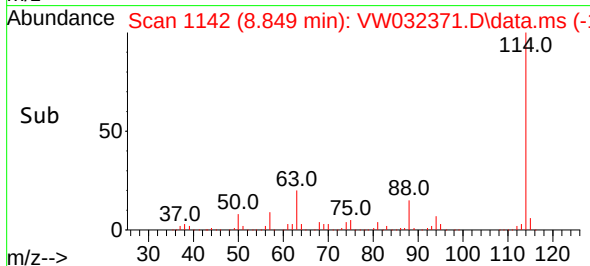
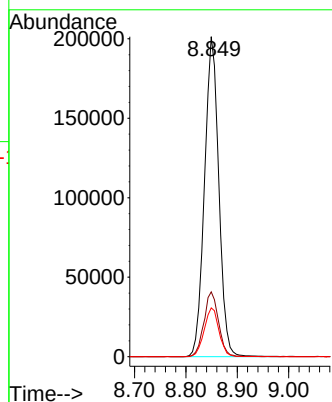
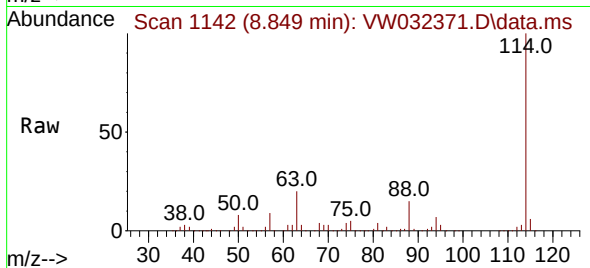
Tgt Ion:114 Resp: 388212

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.4

88 15.3 0.0 32.0



#35

Dibromofluoromethane

Concen: 55.246 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032371.D

Acq: 07 Oct 2025 10:08

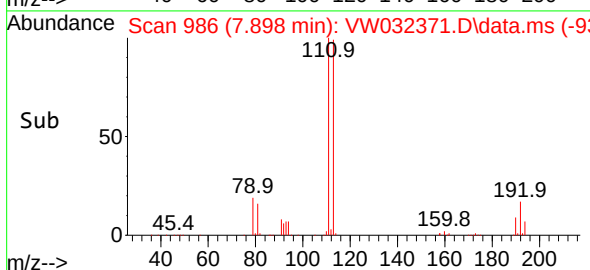
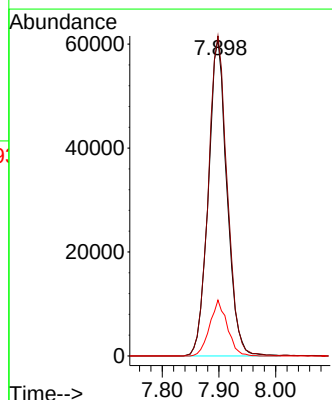
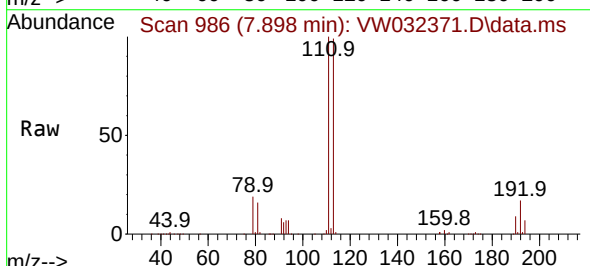
Tgt Ion:113 Resp: 138894

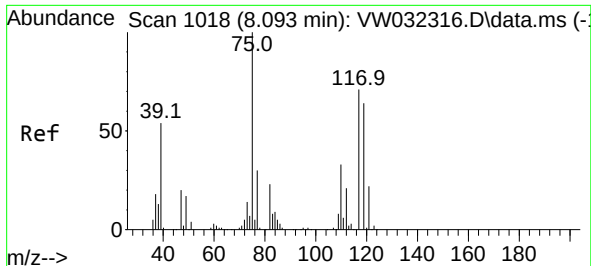
Ion Ratio Lower Upper

113 100

111 102.8 83.9 125.9

192 16.7 14.6 21.8

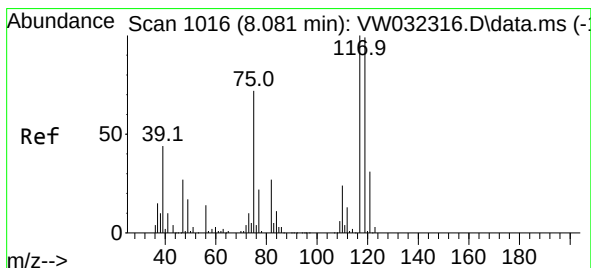
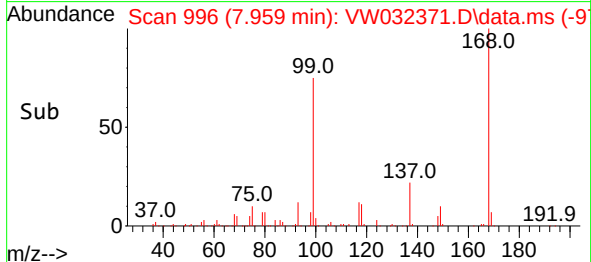
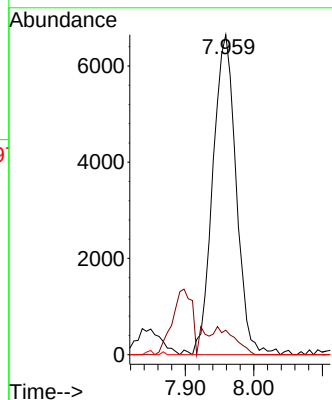
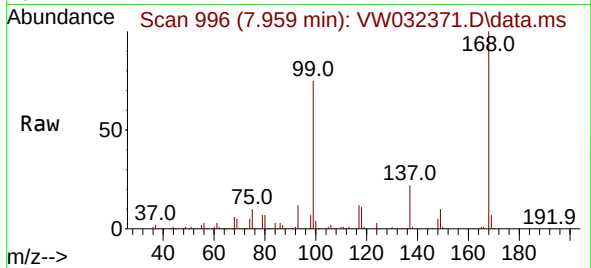




#36
 1,1-Dichloropropene
 Concen: 4.429 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032371.D
 Acq: 07 Oct 2025 10:08

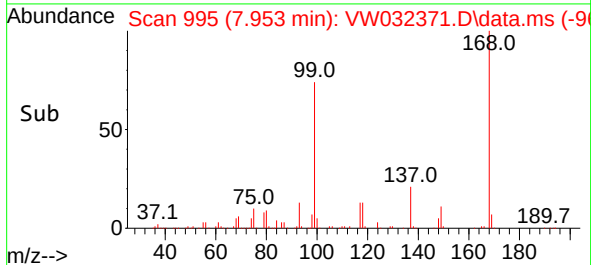
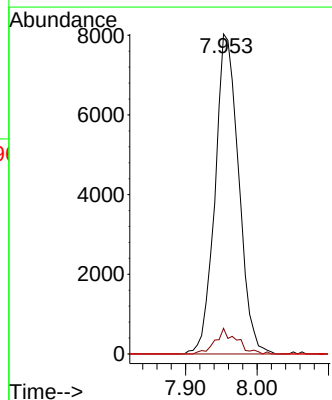
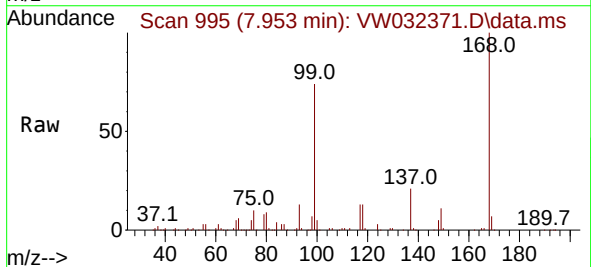
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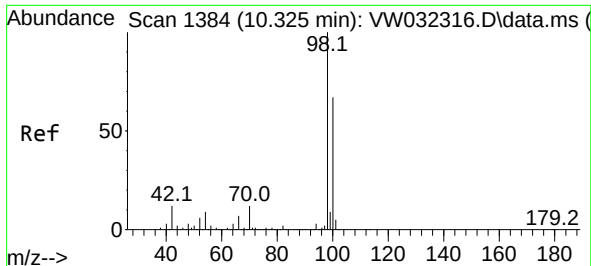
Tgt Ion: 75 Resp: 15714
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.5 52.5#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.529 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.134 min
 Lab File: VW032371.D
 Acq: 07 Oct 2025 10:08

Tgt Ion: 117 Resp: 18460
 Ion Ratio Lower Upper
 117 100
 119 8.0 74.2 111.2#
 121 0.0 25.6 38.4#

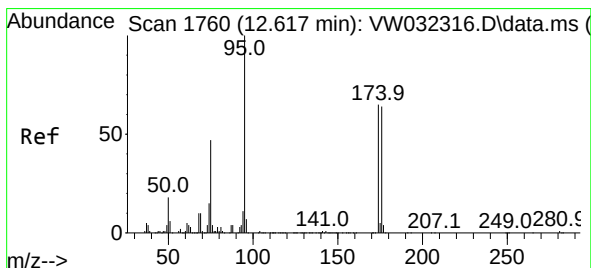
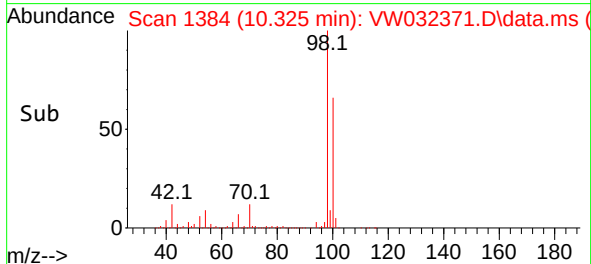
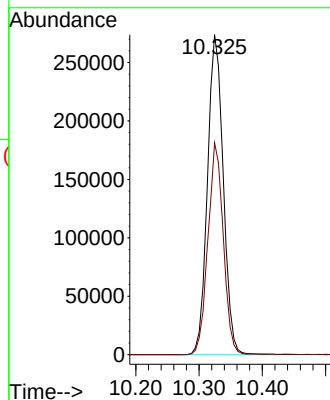
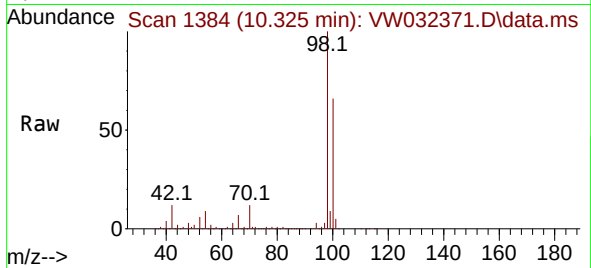




#50
Toluene-d8
Concen: 51.208 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

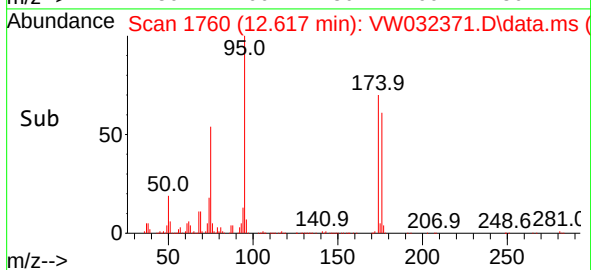
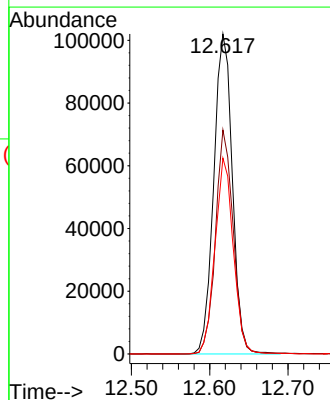
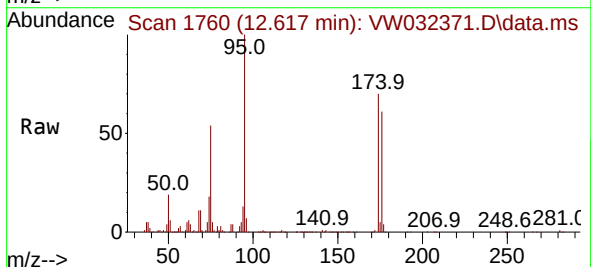
Instrument :
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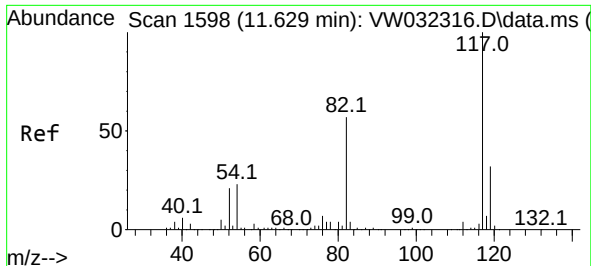
Tgt Ion: 98 Resp: 475159
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 47.979 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

Tgt Ion: 95 Resp: 168271
Ion Ratio Lower Upper
95 100
174 67.0 0.0 145.6
176 60.6 0.0 140.8

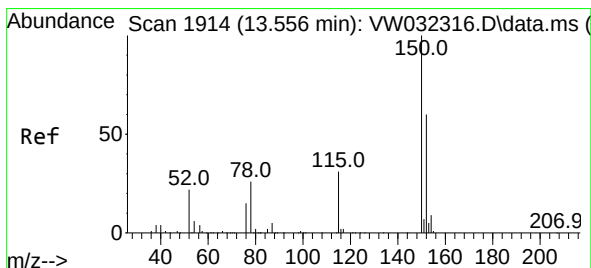
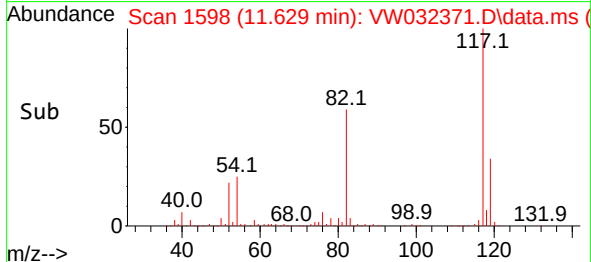
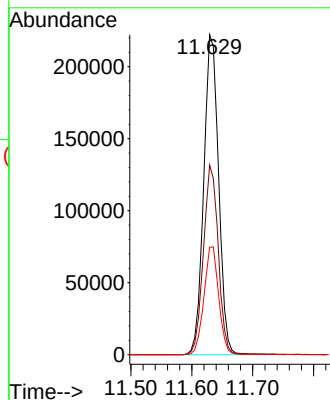
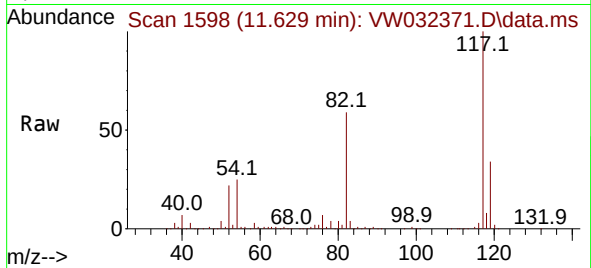




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

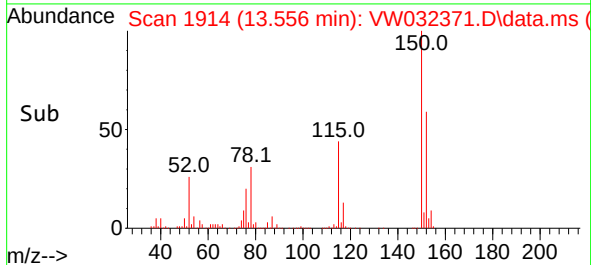
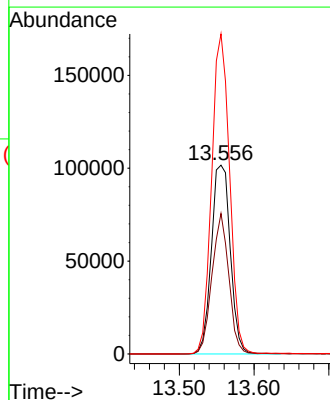
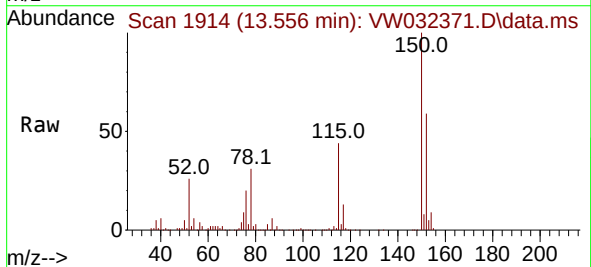
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBL01

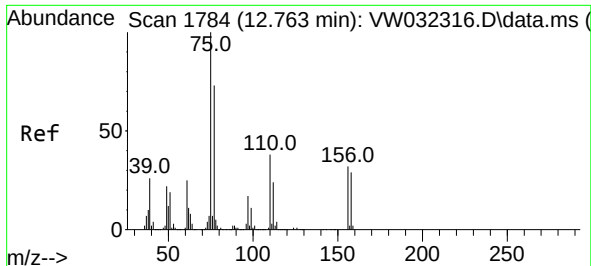
Tgt Ion:117 Resp: 378174
Ion Ratio Lower Upper
117 100
82 59.2 42.7 64.1
119 33.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

Tgt Ion:152 Resp: 179103
Ion Ratio Lower Upper
152 100
115 66.2 31.8 95.4
150 160.1 0.0 343.0

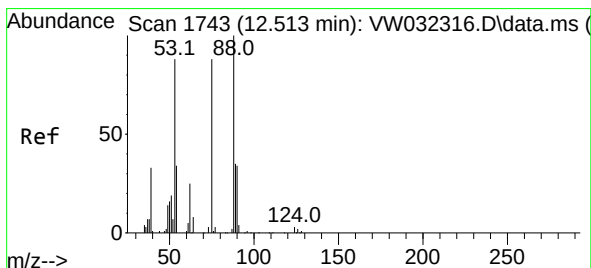
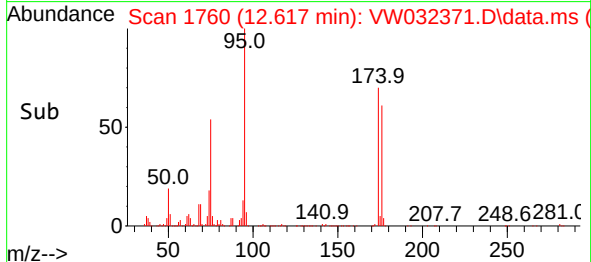
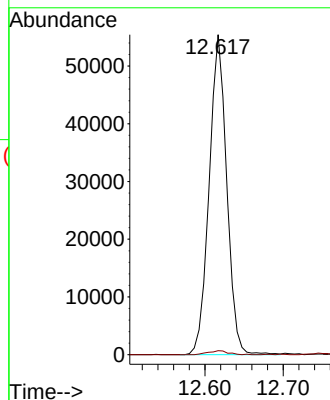
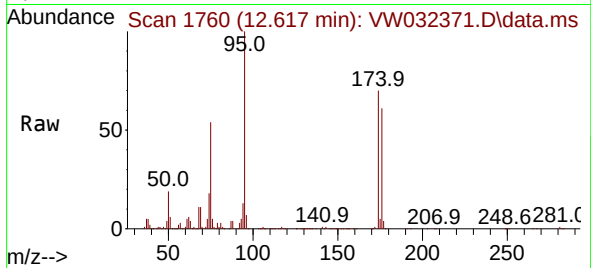




#76
1,2,3-Trichloropropane
Concen: 36.610 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBL01

Tgt Ion: 75 Resp: 86286
Ion Ratio Lower Upper
75 100
77 1.4 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.743 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW032371.D
Acq: 07 Oct 2025 10:08

Tgt Ion: 75 Resp: 86286
Ion Ratio Lower Upper
75 100
53 0.4 91.0 136.6#
89 0.1 39.4 59.2#

