

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032349.D
 Acq On : 03 Oct 2025 13:22
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 05:02:49 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)

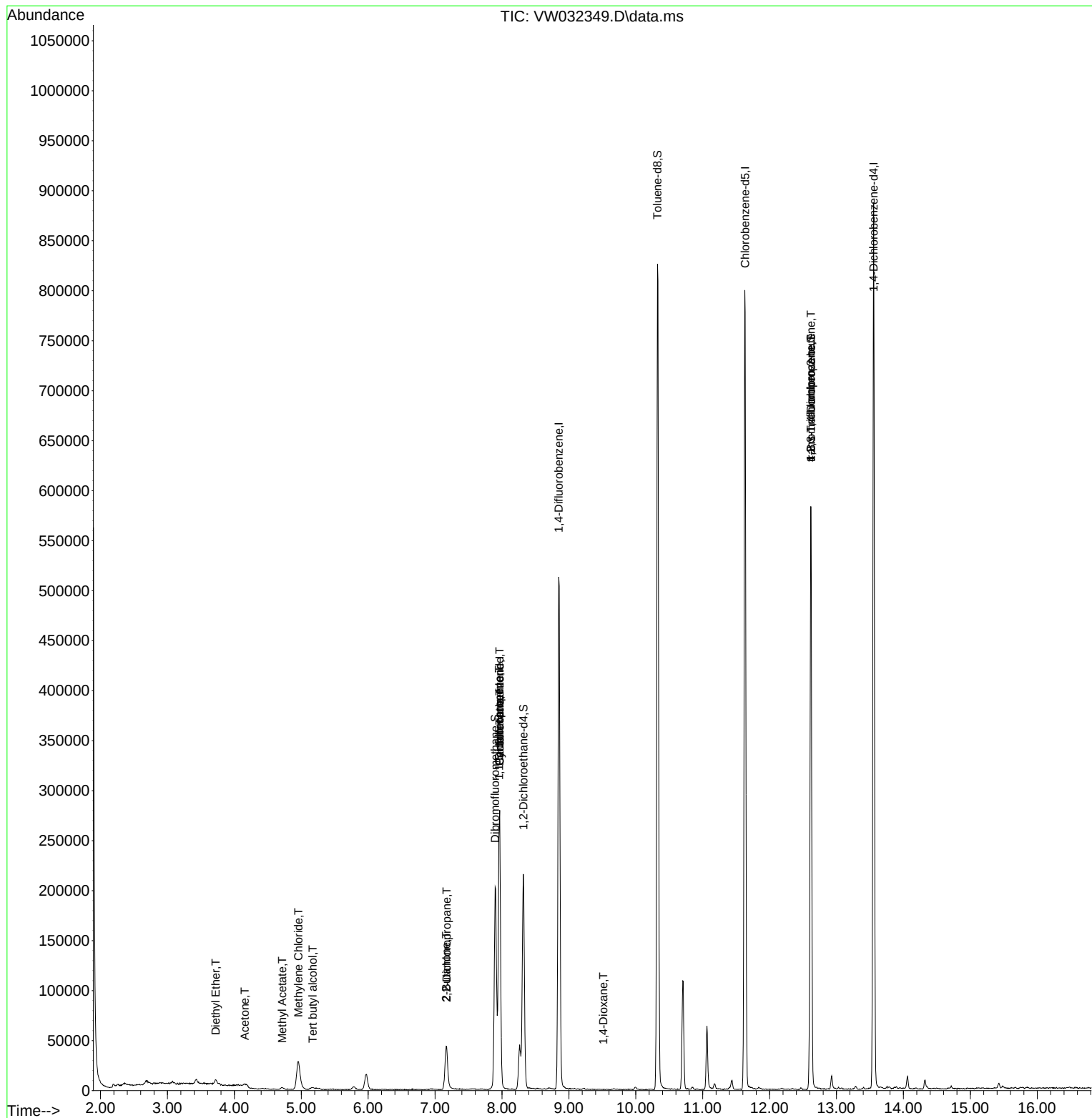
Internal Standards						
1) Pentafluorobenzene	7.965	168	192872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	437616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	439544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	216945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	176224	62.643	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	125.280%	
35) Dibromofluoromethane	7.898	113	151387	53.417	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	106.840%	
50) Toluene-d8	10.325	98	547834	52.375	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	104.740%	
62) 4-Bromofluorobenzene	12.617	95	204566	51.743	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	103.480%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.722	74	2485	1.718	ug/l	97
11) Tert butyl alcohol	5.173	59	1671	7.847	ug/l #	73
16) Acetone	4.155	43	2277	2.923	ug/l	96
18) Methyl Acetate	4.716	43	3772	1.690	ug/l	94
20) Methylene Chloride	4.960	84	24292	4.562	ug/l	96
25) 2-Butanone	7.167	43	2777	2.618	ug/l #	71
26) 2,2-Dichloropropane	7.173	77	3321	1.400	ug/l #	52
31) Cyclohexane	7.965	56	4876	1.231	ug/l #	18
36) 1,1-Dichloropropene	7.959	75	18715	4.679	ug/l #	49
38) Carbon Tetrachloride	7.965	117	22189	5.895	ug/l #	17
49) 1,4-Dioxane	9.514	88	50	1.901	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	106049	37.146	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	106049	94.102	ug/l #	5

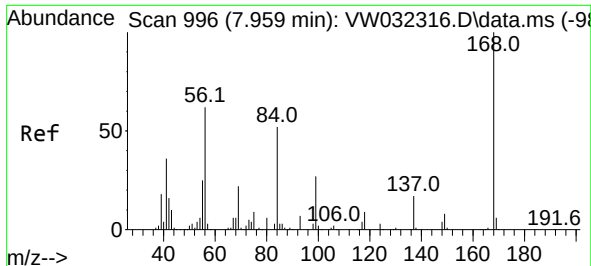
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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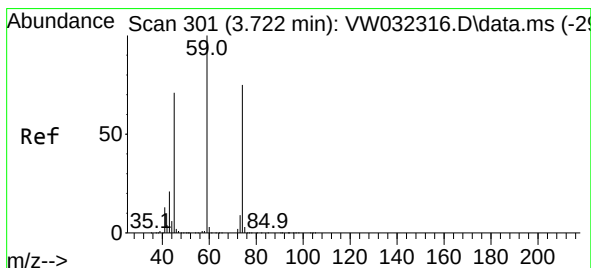
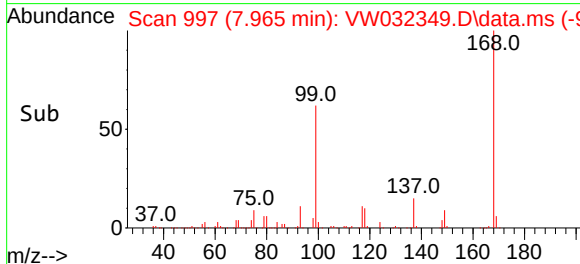
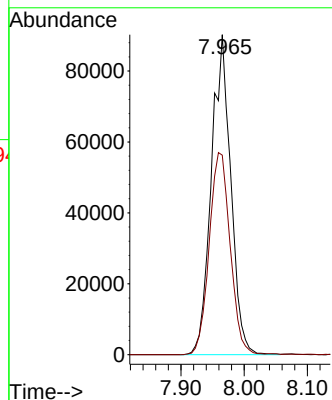
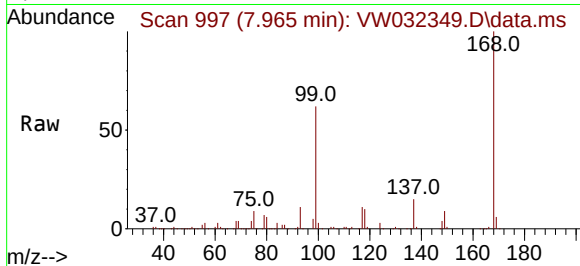




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

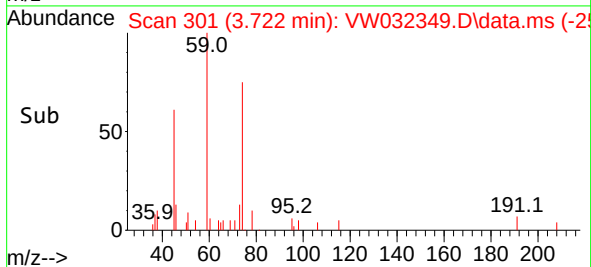
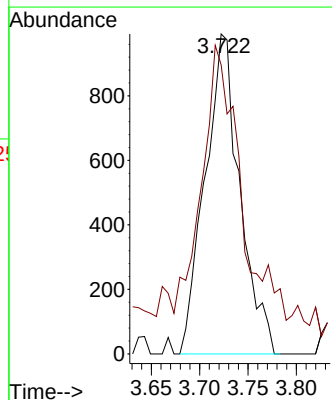
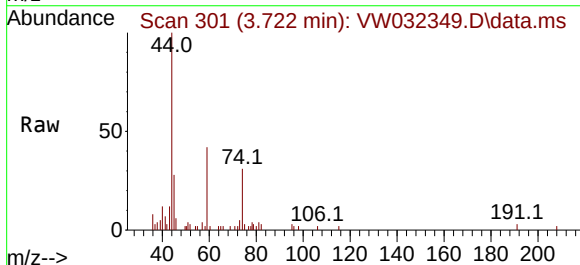
Instrument :
MSVOA_W
ClientSampleId :

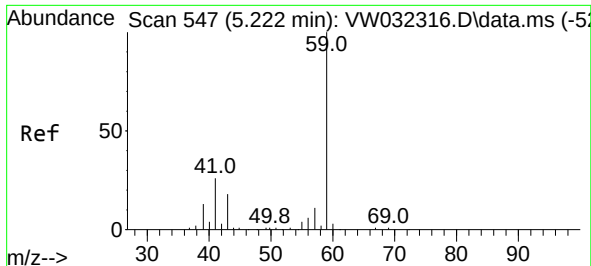
Tgt Ion:168 Resp: 192872
Ion Ratio Lower Upper
168 100
99 62.4 49.3 73.9



#8
Diethyl Ether
Concen: 1.718 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

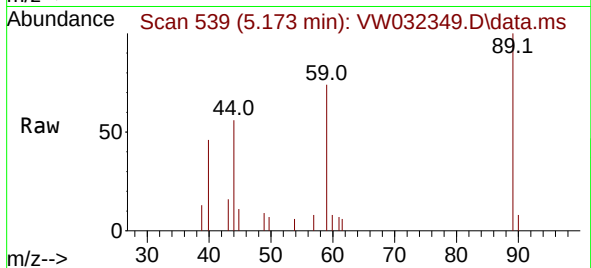
Tgt Ion: 74 Resp: 2485
Ion Ratio Lower Upper
74 100
45 89.3 43.1 129.4



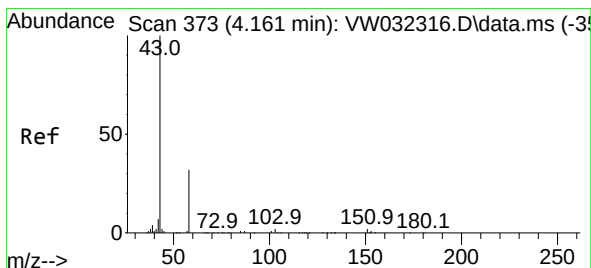
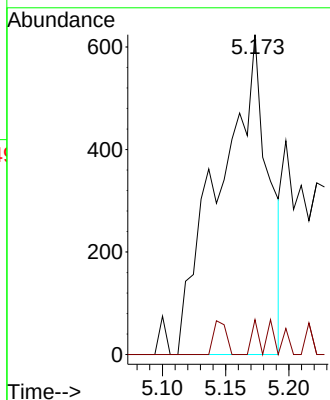
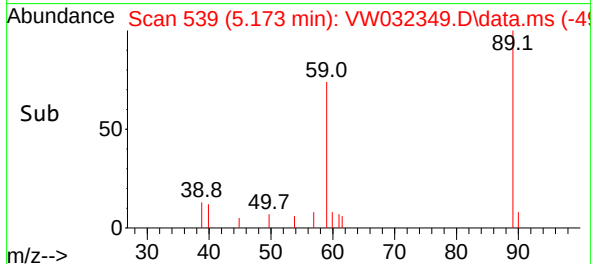


#11
Tert butyl alcohol
Concen: 7.847 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.049 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

Instrument :
MSVOA_W
ClientSampleId :

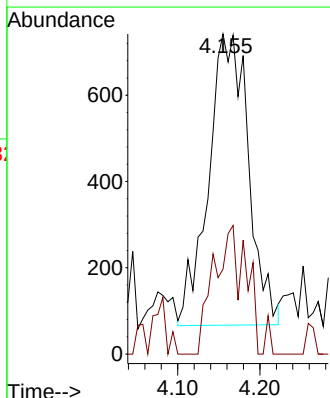
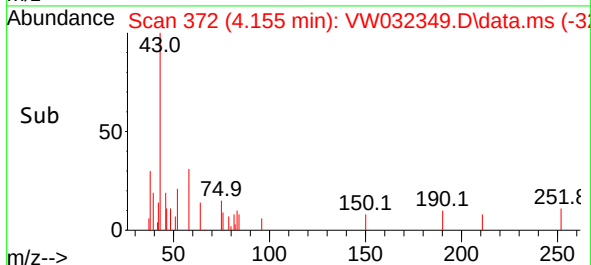
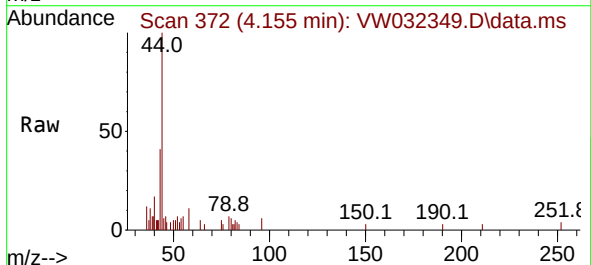


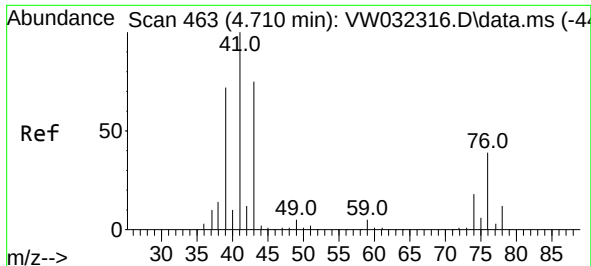
Tgt Ion: 59 Resp: 1671
Ion Ratio Lower Upper
59 100
57 1.5 9.8 14.6#



#16
Acetone
Concen: 2.923 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

Tgt Ion: 43 Resp: 2277
Ion Ratio Lower Upper
43 100
58 29.6 25.3 37.9

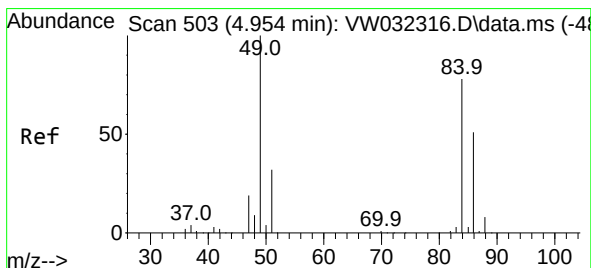
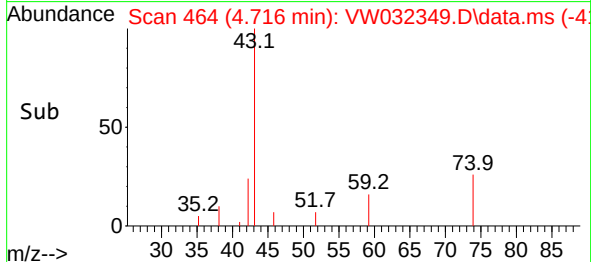
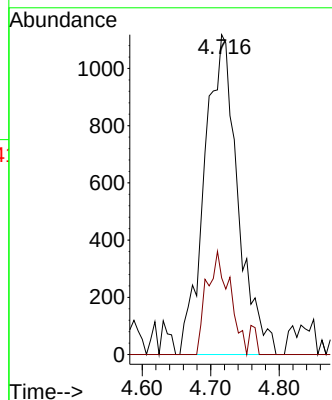
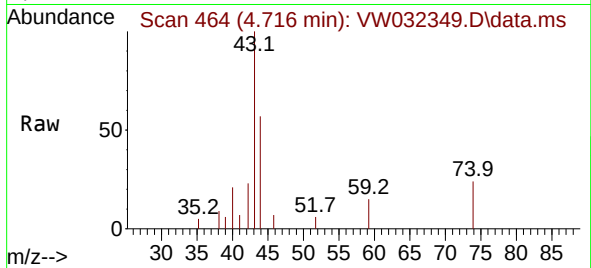




#18
Methyl Acetate
Concen: 1.690 ug/l
RT: 4.716 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

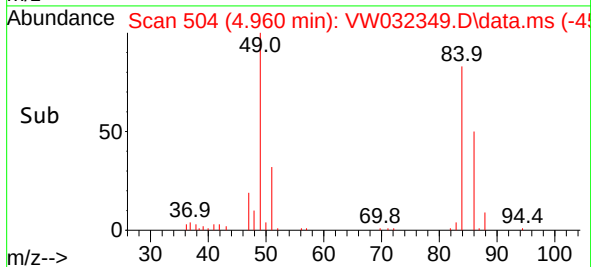
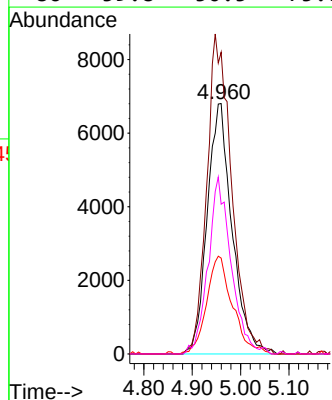
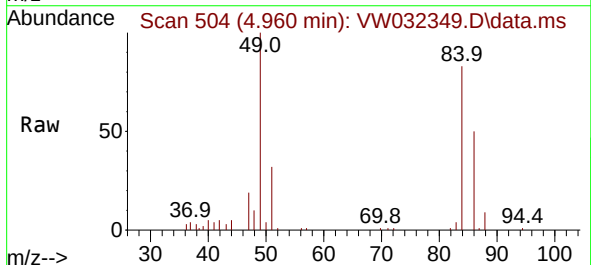
Instrument :
MSVOA_W
ClientSampleId :

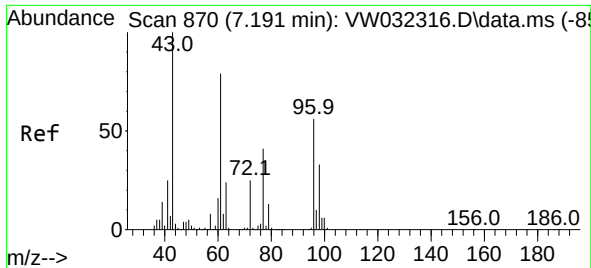
Tgt Ion: 43 Resp: 3772
Ion Ratio Lower Upper
43 100
74 22.3 20.2 30.4



#20
Methylene Chloride
Concen: 4.562 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

Tgt Ion: 84 Resp: 24292
Ion Ratio Lower Upper
84 100
49 120.5 92.2 138.4
51 38.3 31.0 46.6
86 59.8 50.5 75.7

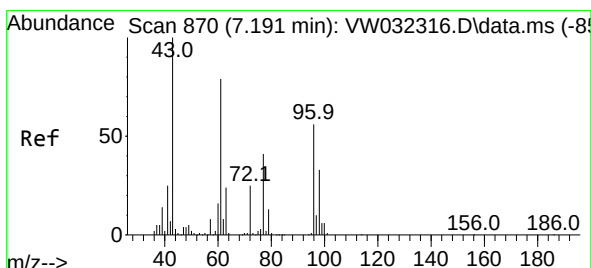
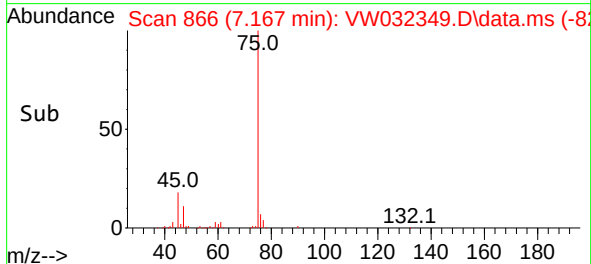
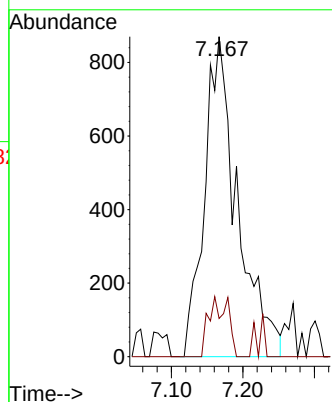
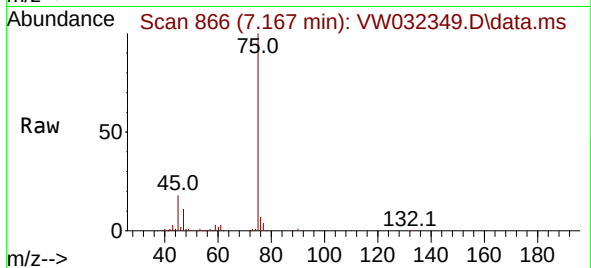




#25
2-Butanone
Concen: 2.618 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

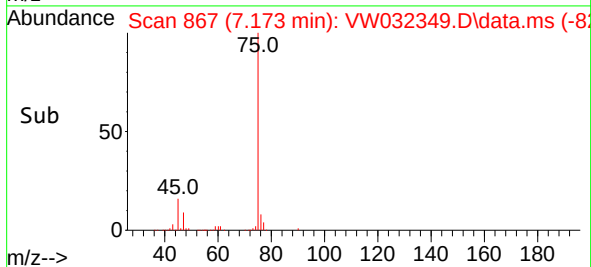
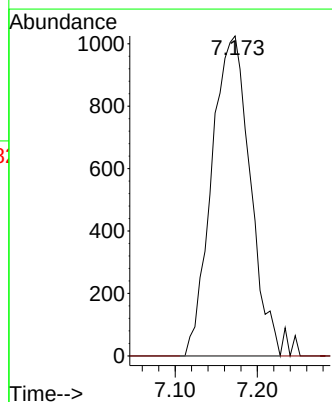
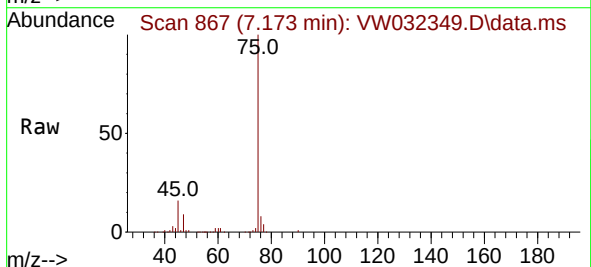
Instrument :
MSVOA_W
ClientSampleId :

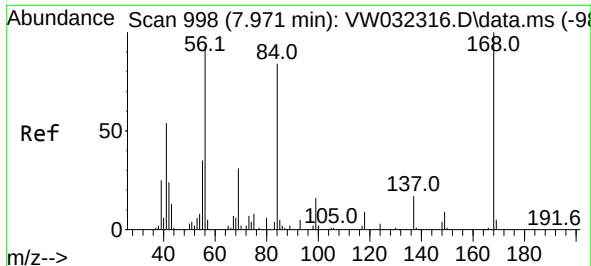
Tgt Ion: 43 Resp: 2777
Ion Ratio Lower Upper
43 100
72 12.0 21.4 32.2#



#26
2,2-Dichloropropane
Concen: 1.400 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.012 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

Tgt Ion: 77 Resp: 3321
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#

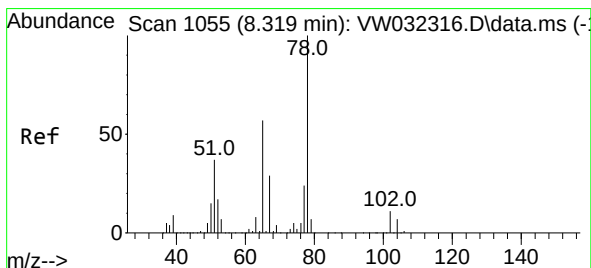
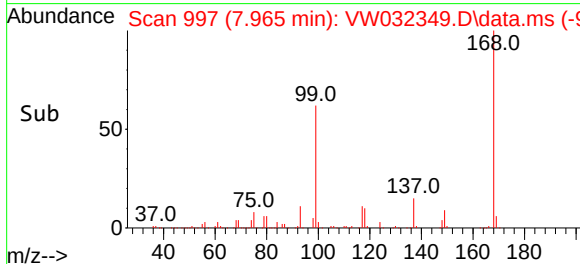
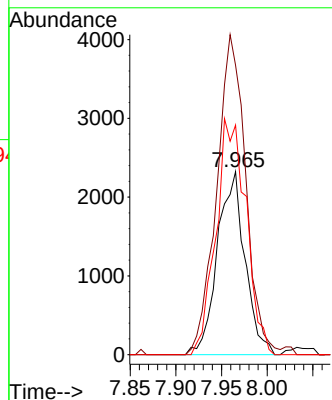
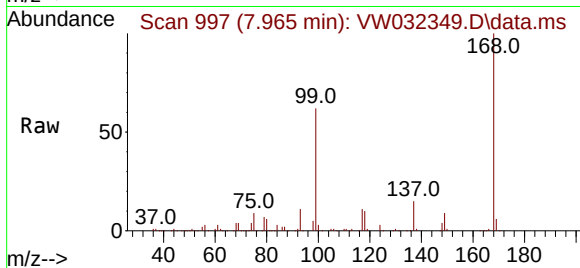




#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

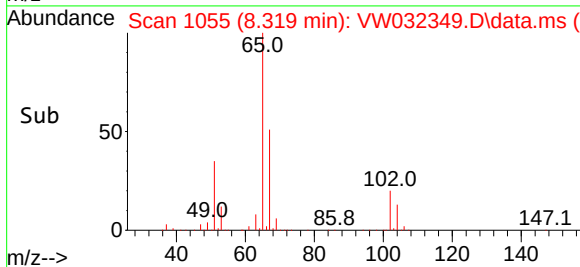
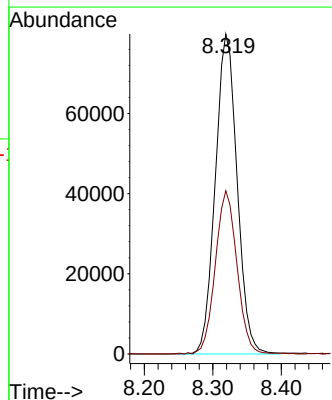
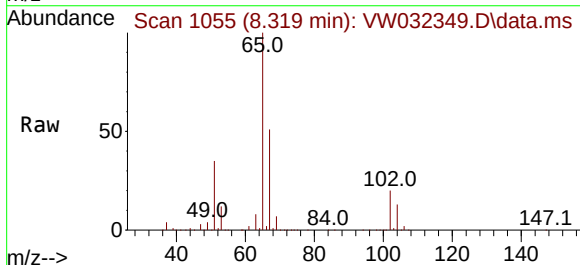
Instrument :
MSVOA_W
ClientSampleId :

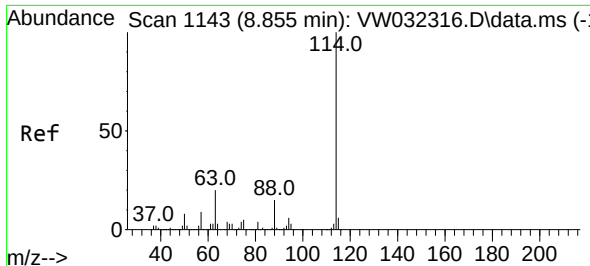
Tgt Ion: 56 Resp: 4876
Ion Ratio Lower Upper
56 100
69 158.1 27.7 41.5#
84 125.4 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 62.643 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

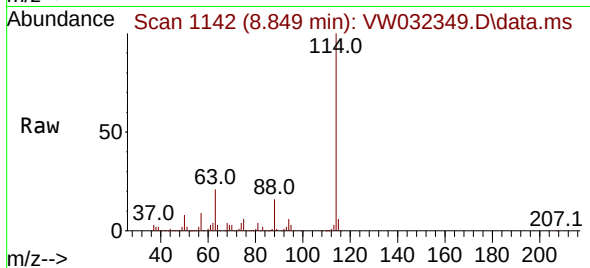
Tgt Ion: 65 Resp: 176224
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.6





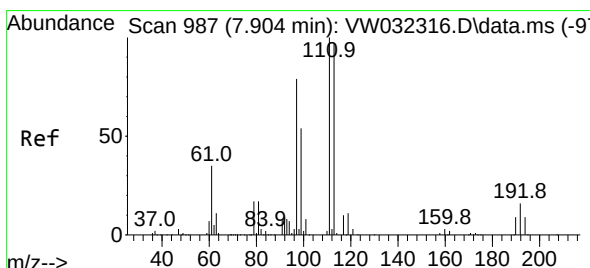
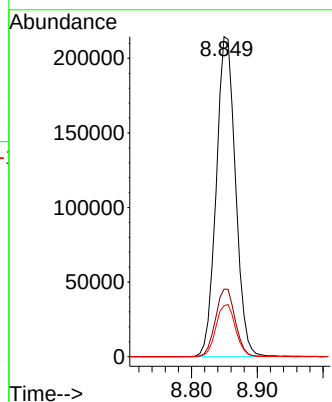
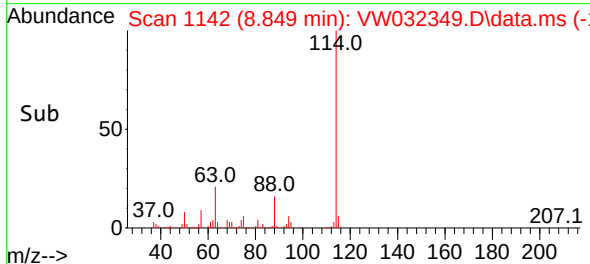
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032349.D
 Acq: 03 Oct 2025 13:22

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:114 Resp: 437616

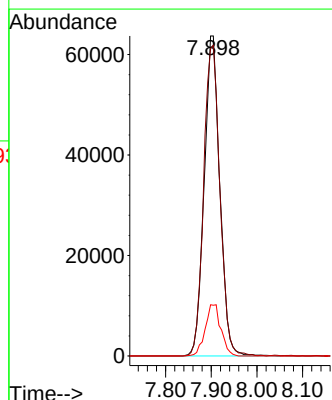
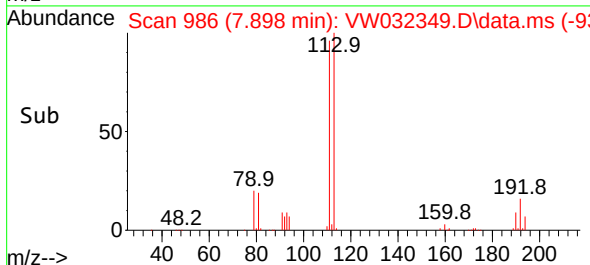
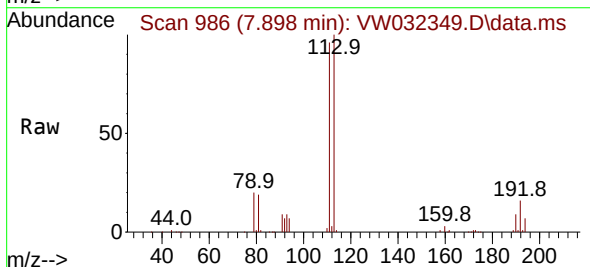
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.4
88	15.9	0.0	32.0

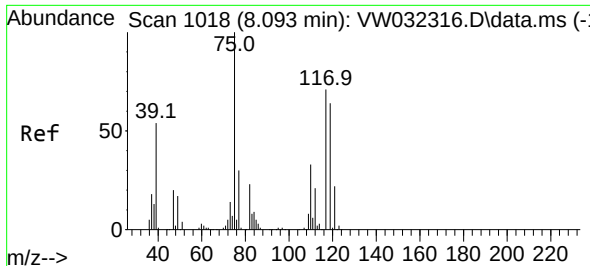


#35
 Dibromofluoromethane
 Concen: 53.417 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032349.D
 Acq: 03 Oct 2025 13:22

Tgt Ion:113 Resp: 151387

Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.9	125.9
192	16.1	14.6	21.8





#36

1,1-Dichloropropene

Concen: 4.679 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032349.D

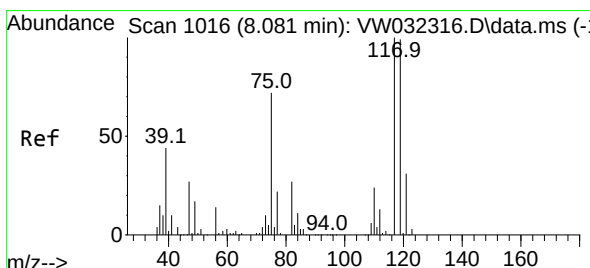
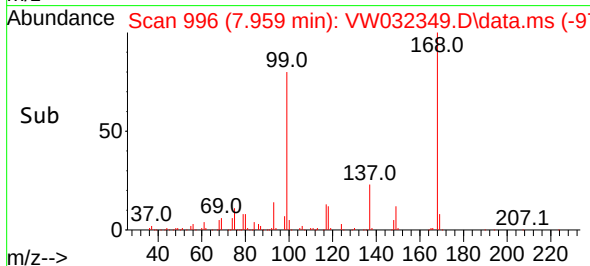
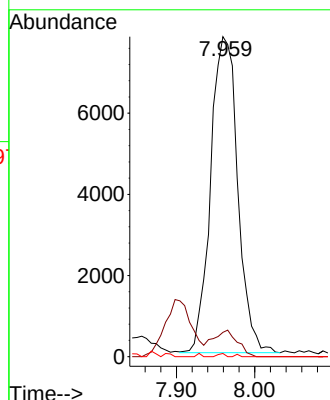
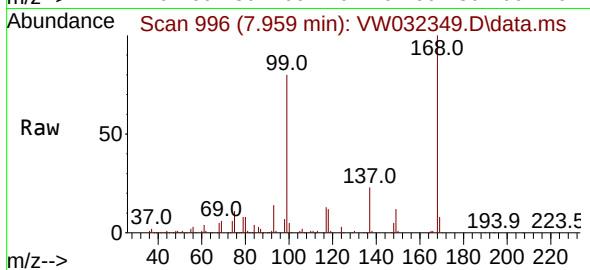
Acq: 03 Oct 2025 13:22

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	75	Resp:	18715
Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.5	52.5#
77	0.3	24.1	36.1#



#38

Carbon Tetrachloride

Concen: 5.895 ug/l

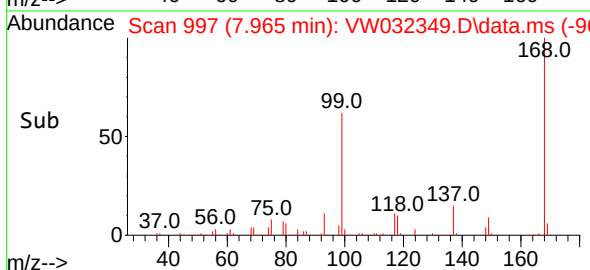
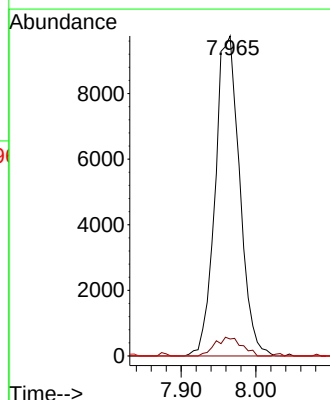
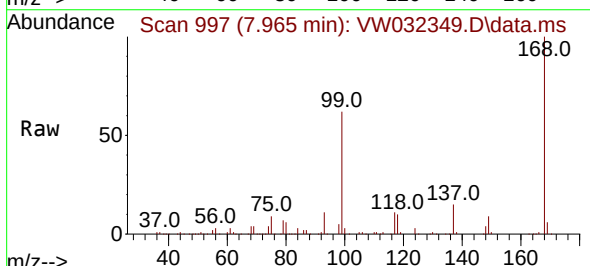
RT: 7.965 min Scan# 997

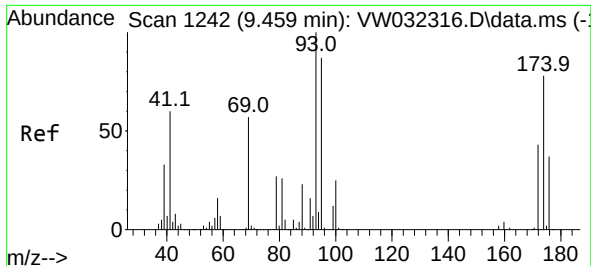
Delta R.T. -0.122 min

Lab File: VW032349.D

Acq: 03 Oct 2025 13:22

Tgt Ion:	117	Resp:	22189
Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.2	111.2#
121	0.0	25.6	38.4#





#49

1,4-Dioxane

Concen: 1.901 ug/l

RT: 9.514 min Scan# 11

Delta R.T. 0.055 min

Lab File: VW032349.D

Acq: 03 Oct 2025 13:22

Instrument :

MSVOA_W

ClientSampleId :

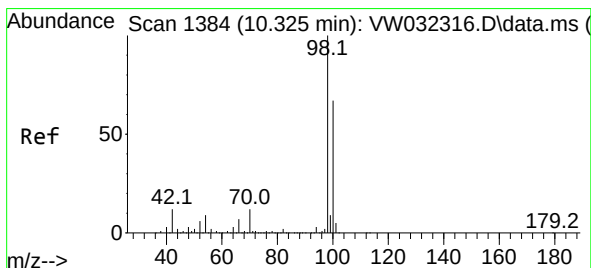
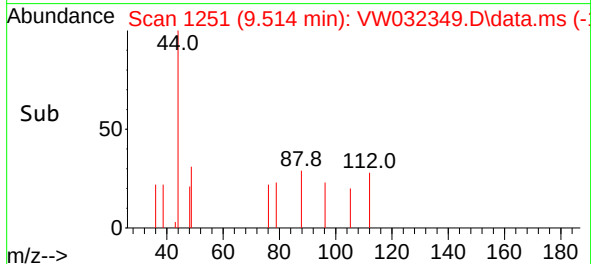
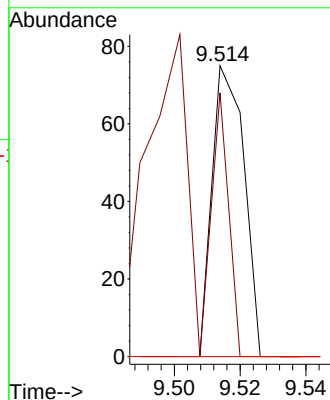
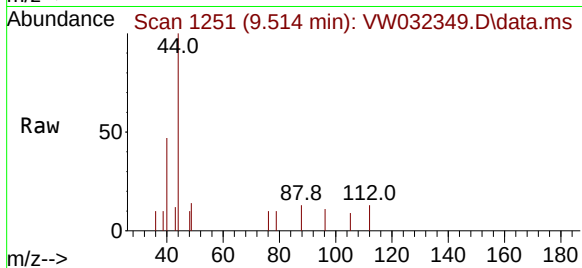
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

43 192.0 18.0 27.0#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 52.375 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032349.D

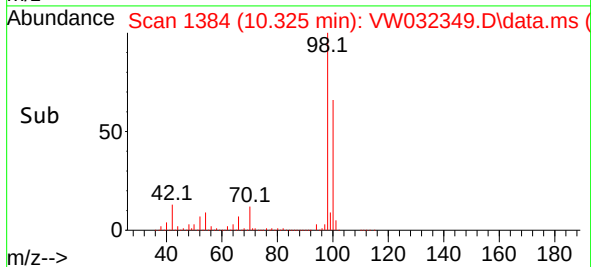
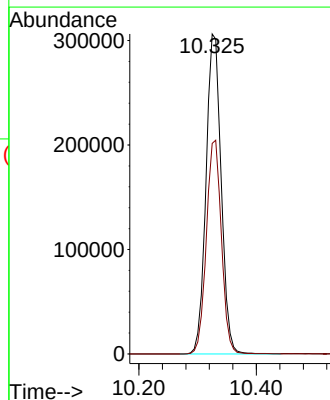
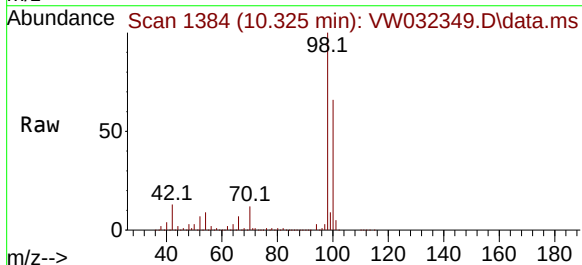
Acq: 03 Oct 2025 13:22

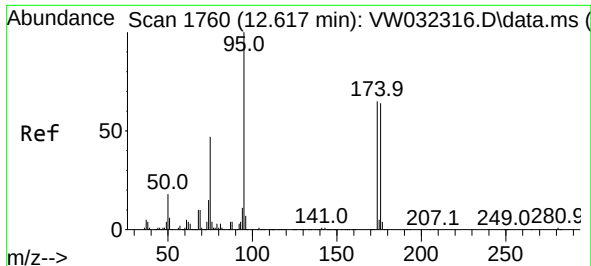
Tgt Ion: 98 Resp: 547834

Ion Ratio Lower Upper

98 100

100 66.4 51.4 77.2

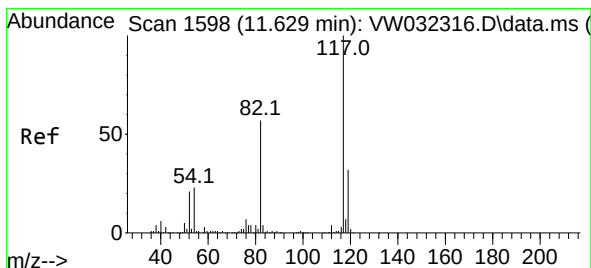
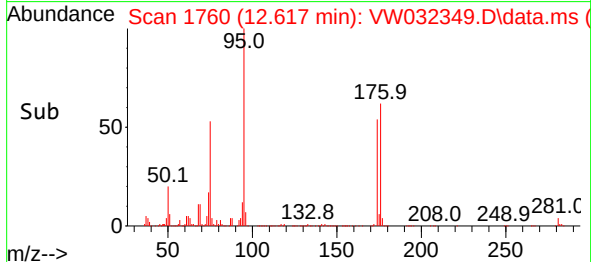
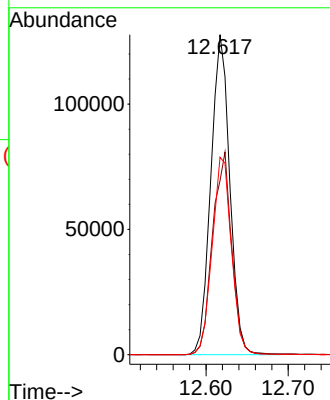
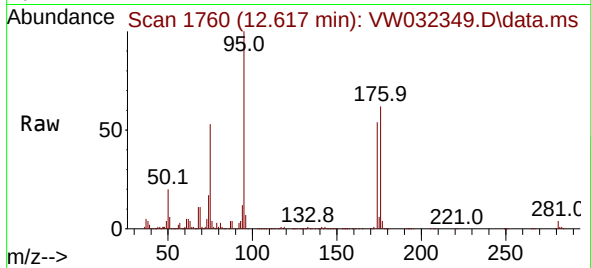




#62
4-Bromofluorobenzene
Concen: 51.743 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

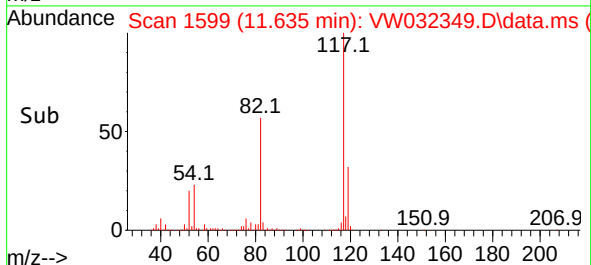
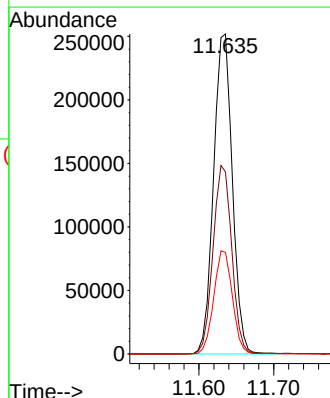
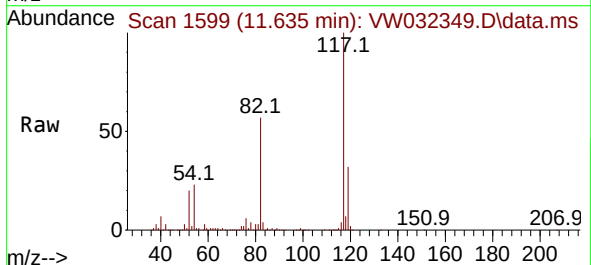
Instrument :
MSVOA_W
ClientSampleId :

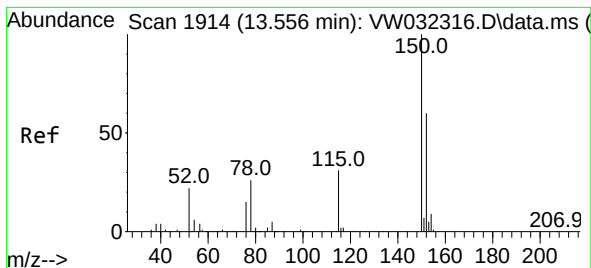
Tgt Ion: 95 Resp: 204566
Ion Ratio Lower Upper
95 100
174 64.2 0.0 145.6
176 63.1 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

Tgt Ion:117 Resp: 439544
Ion Ratio Lower Upper
117 100
82 56.9 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

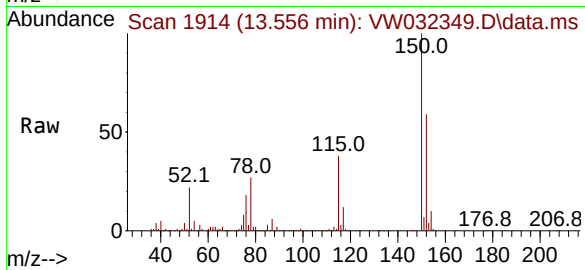
Lab File: VW032349.D

Acq: 03 Oct 2025 13:22

Instrument :

MSVOA_W

ClientSampleId :



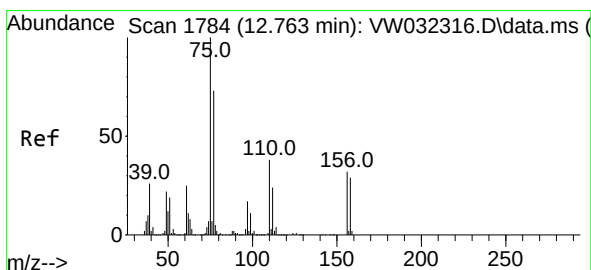
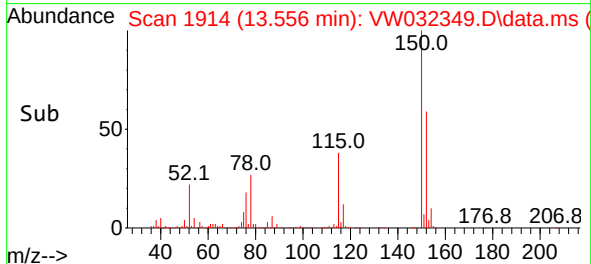
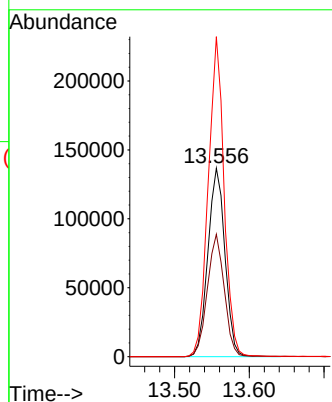
Tgt Ion:152 Resp: 216945

Ion Ratio Lower Upper

152 100

115 64.5 31.8 95.4

150 157.6 0.0 343.0



#76

1,2,3-Trichloropropane

Concen: 37.146 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032349.D

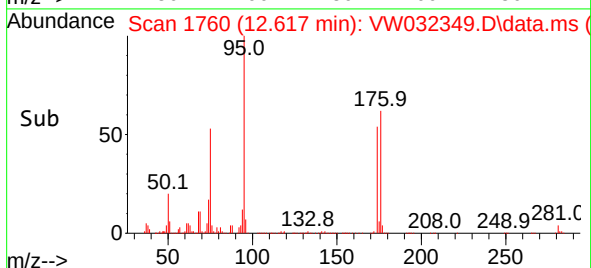
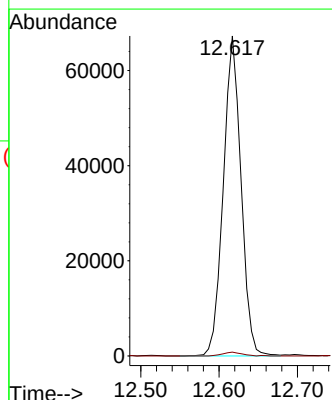
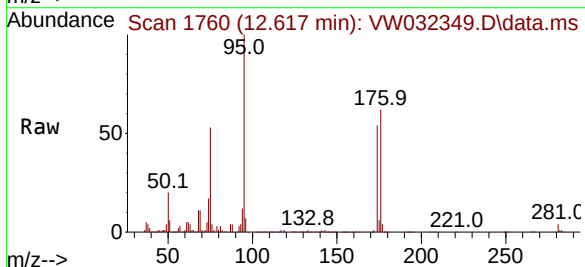
Acq: 03 Oct 2025 13:22

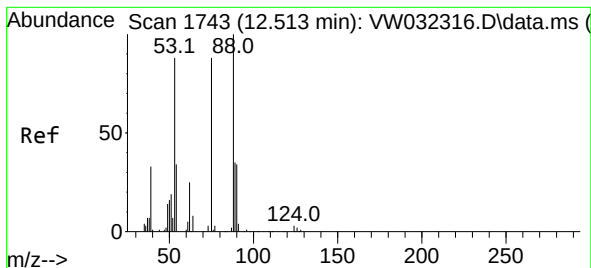
Tgt Ion: 75 Resp: 106049

Ion Ratio Lower Upper

75 100

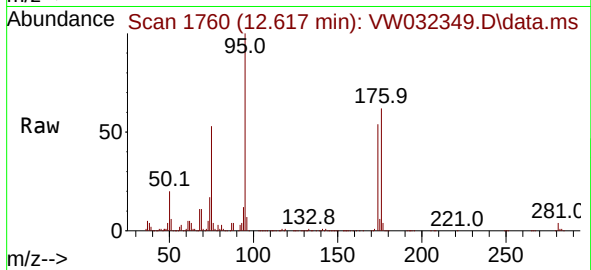
77 1.3 141.7 425.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 94.102 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 75 Resp: 106049
Ion Ratio Lower Upper
75 100
53 0.3 91.0 136.6#
89 0.2 39.4 59.2#

