

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032346.D
 Acq On : 03 Oct 2025 12:16
 Operator : SY/MD
 Sample : Q3270-01
 Misc : 5.21g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 05:01:31 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)

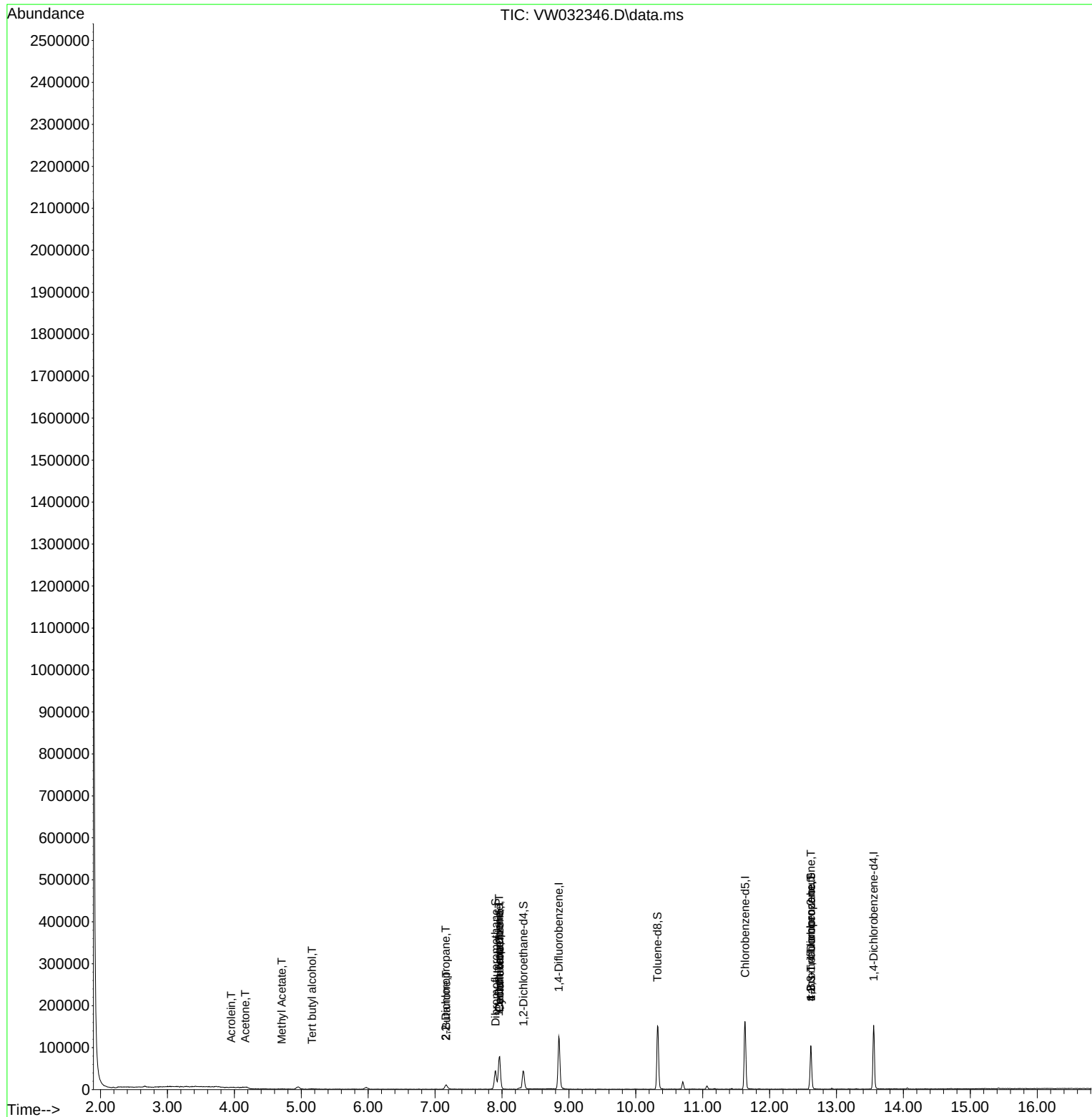
Internal Standards						
1) Pentafluorobenzene	7.965	168	51903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	101930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	90371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	37489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	36666	48.434	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	96.860%
35) Dibromofluoromethane	7.904	113	32088	48.610	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.220%
50) Toluene-d8	10.325	98	104527	42.904	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	85.800%
62) 4-Bromofluorobenzene	12.617	95	36161	39.269	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	78.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.161	59	439	7.661	ug/l #	69
13) Acrolein	3.954	56	228	2.452	ug/l	100
16) Acetone	4.161	43	585	2.791	ug/l #	53
18) Methyl Acetate	4.710	43	1220	2.032	ug/l #	67
25) 2-Butanone	7.167	43	762	2.669	ug/l #	48
26) 2,2-Dichloropropane	7.161	77	766	1.200	ug/l #	52
31) Cyclohexane	7.965	56	1692	1.588	ug/l #	43
36) 1,1-Dichloropropene	7.953	75	5519	5.924	ug/l #	49
38) Carbon Tetrachloride	7.959	117	6776	7.729	ug/l #	20
76) 1,2,3-Trichloropropane	12.617	75	18198	36.888	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	18198	93.447	ug/l #	5

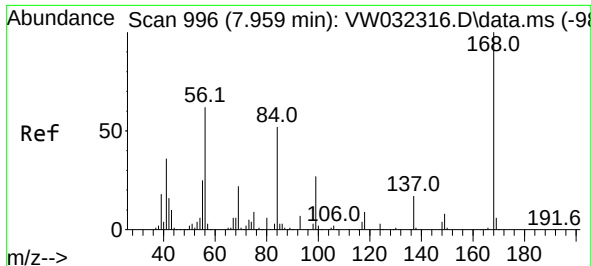
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_W
ClientSampleId :

Quant Time: Oct 04 05:01:31 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

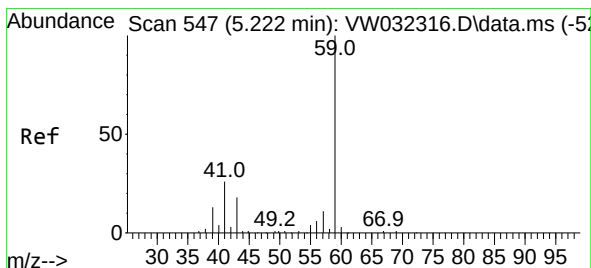
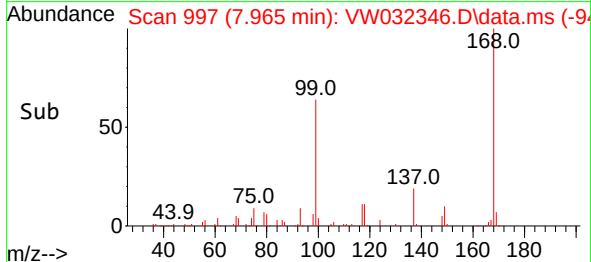
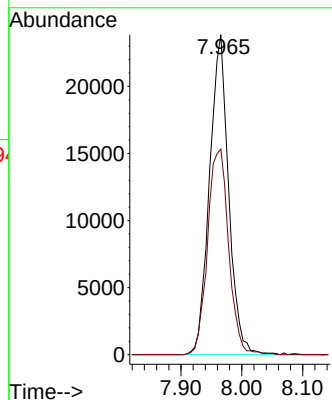
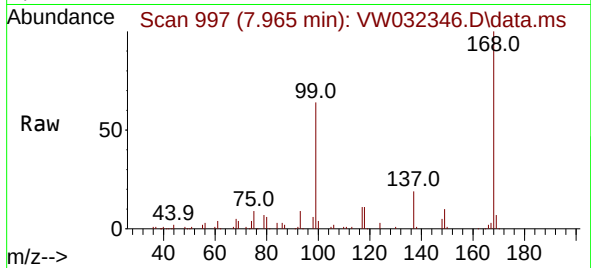




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032346.D
Acq: 03 Oct 2025 12:16

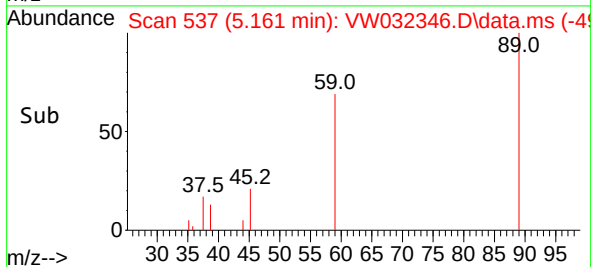
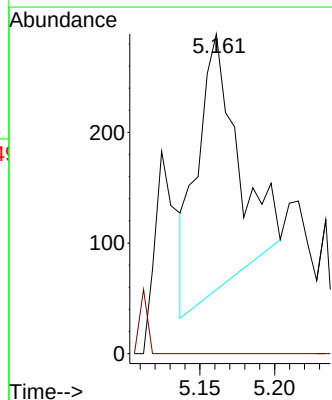
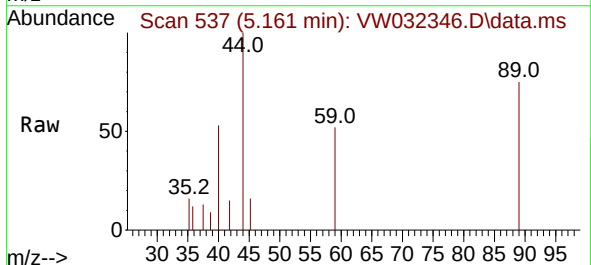
Instrument :
MSVOA_W
ClientSampleId :

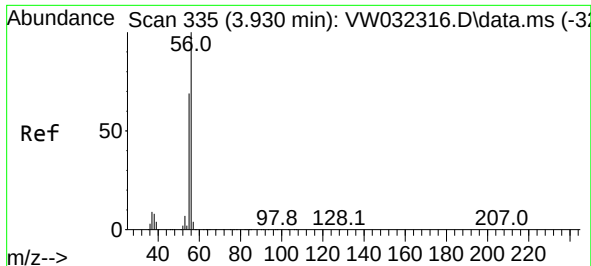
Tgt Ion:168 Resp: 51903
Ion Ratio Lower Upper
168 100
99 64.2 49.3 73.9



#11
Tert butyl alcohol
Concen: 7.661 ug/l
RT: 5.161 min Scan# 537
Delta R.T. -0.061 min
Lab File: VW032346.D
Acq: 03 Oct 2025 12:16

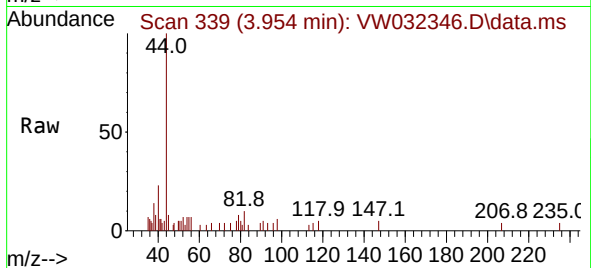
Tgt Ion: 59 Resp: 439
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#



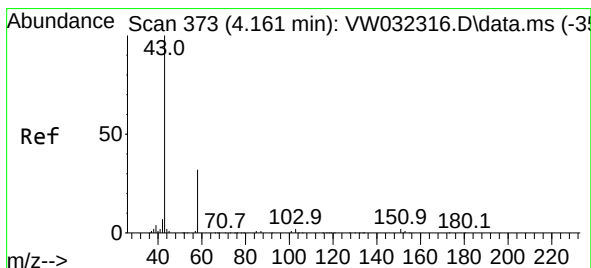
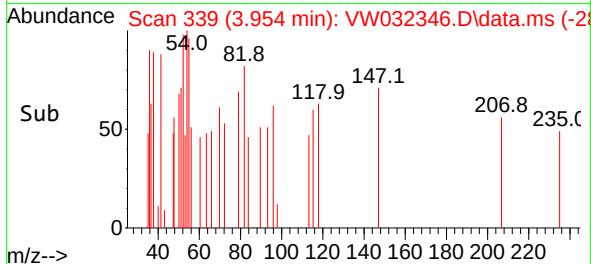
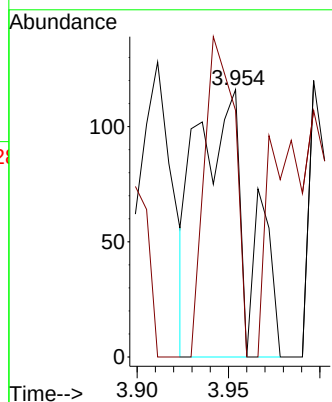


#13
Acrolein
Concen: 2.452 ug/l
RT: 3.954 min Scan# 339
Delta R.T. 0.024 min
Lab File: VW032346.D
Acq: 03 Oct 2025 12:16

Instrument :
MSVOA_W
ClientSampleId :

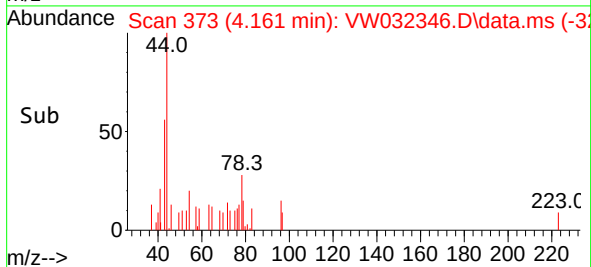
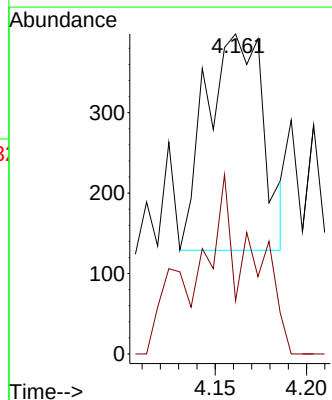
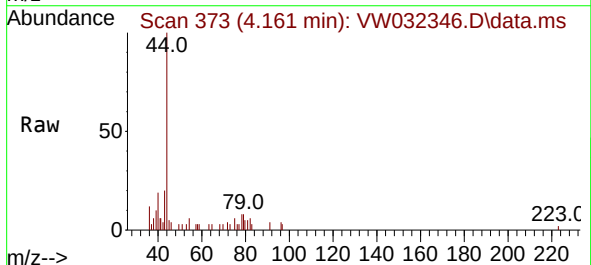


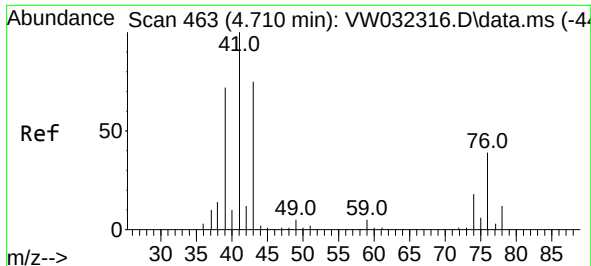
Tgt Ion: 56 Resp: 228
Ion Ratio Lower Upper
56 100
55 70.6 56.4 84.6



#16
Acetone
Concen: 2.791 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032346.D
Acq: 03 Oct 2025 12:16

Tgt Ion: 43 Resp: 585
Ion Ratio Lower Upper
43 100
58 5.6 25.3 37.9#

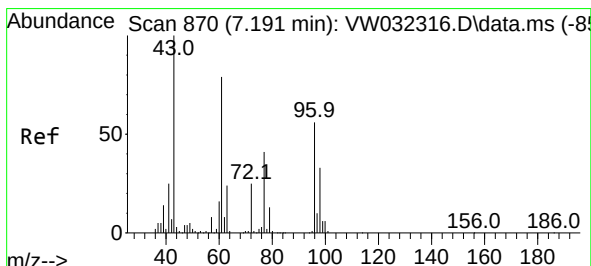
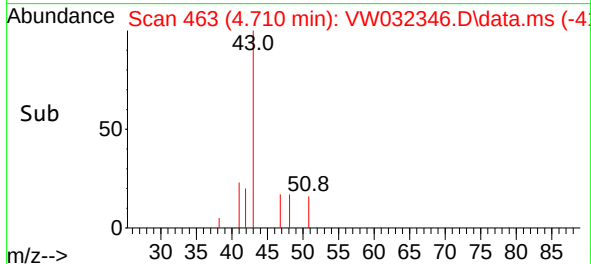
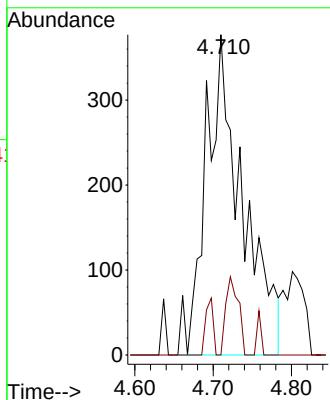
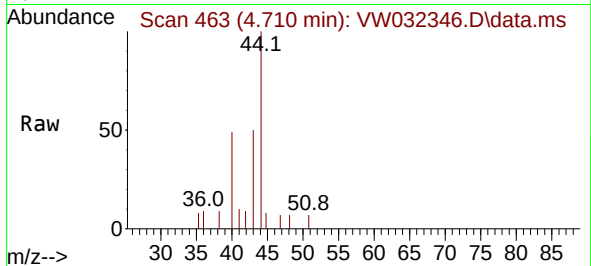




#18
Methyl Acetate
Concen: 2.032 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.000 min
Lab File: VW032346.D
Acq: 03 Oct 2025 12:16

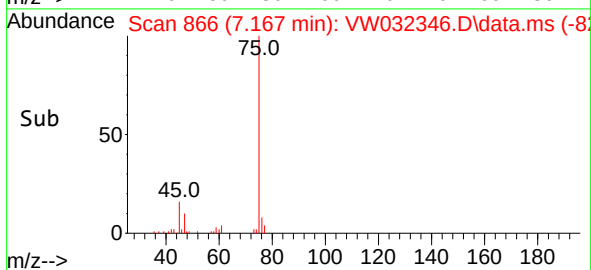
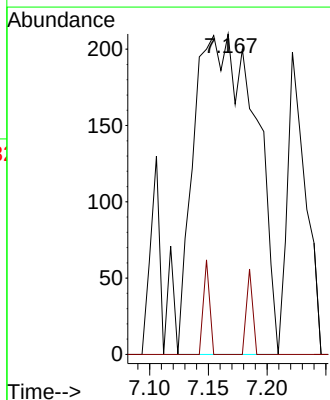
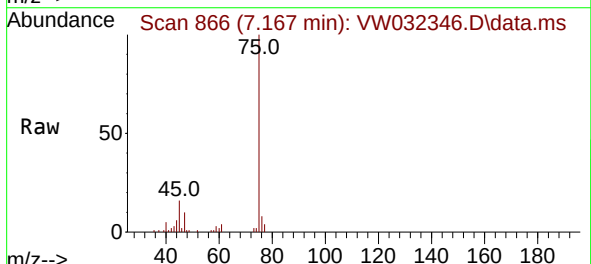
Instrument :
MSVOA_W
ClientSampleId :

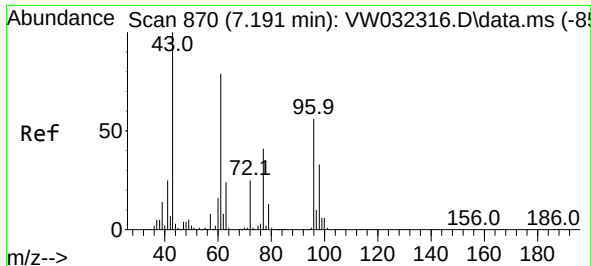
Tgt Ion: 43 Resp: 1220
Ion Ratio Lower Upper
43 100
74 8.4 20.2 30.4#



#25
2-Butanone
Concen: 2.669 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032346.D
Acq: 03 Oct 2025 12:16

Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#

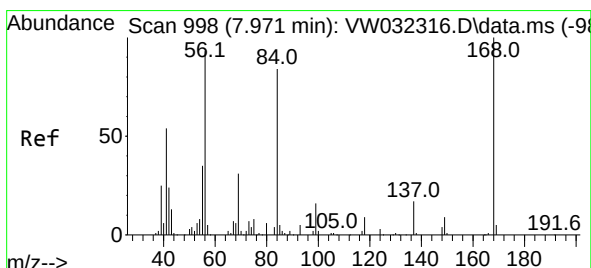
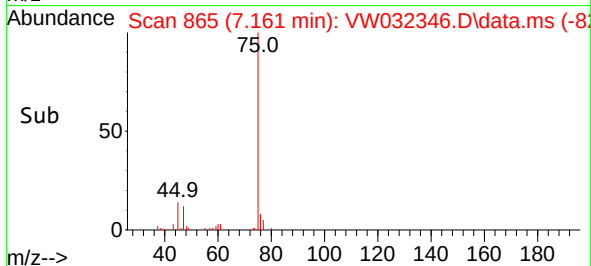
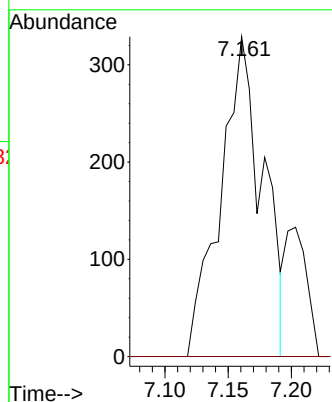
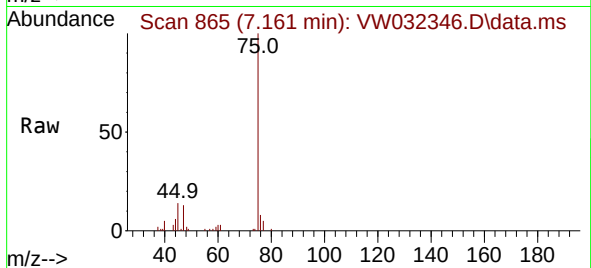




#26
2,2-Dichloropropane
Concen: 1.200 ug/l
RT: 7.161 min Scan# 80
Delta R.T. -0.024 min
Lab File: VW032346.D
Acq: 03 Oct 2025 12:16

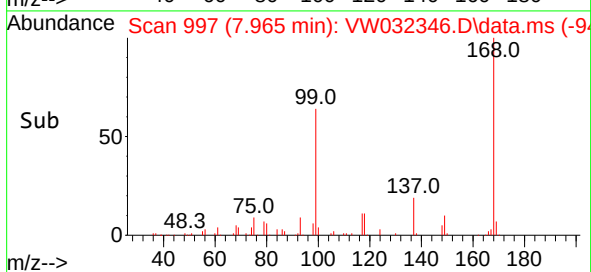
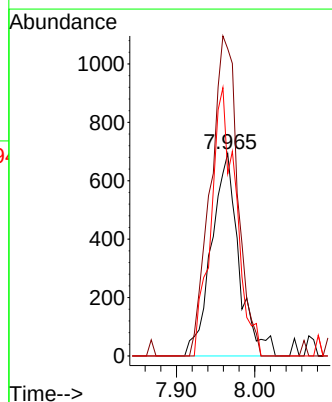
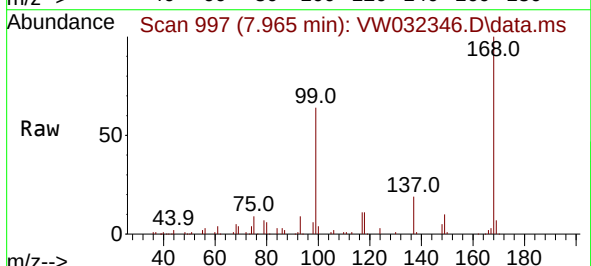
Instrument :
MSVOA_W
ClientSampleId :

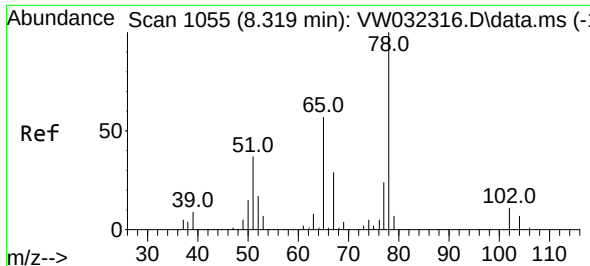
Tgt Ion: 77 Resp: 766
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



#31
Cyclohexane
Concen: 1.588 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032346.D
Acq: 03 Oct 2025 12:16

Tgt Ion: 56 Resp: 1692
Ion Ratio Lower Upper
56 100
69 151.8 27.7 41.5#
84 90.0 74.6 112.0

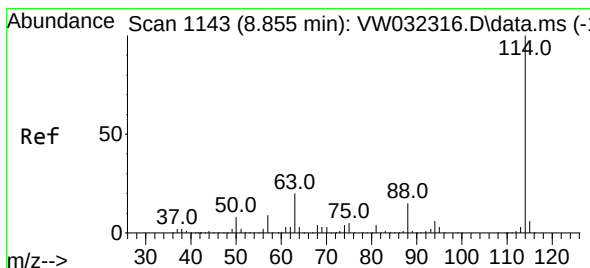
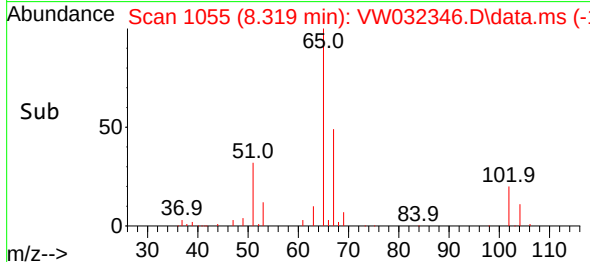
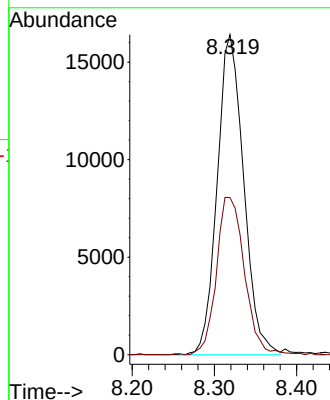
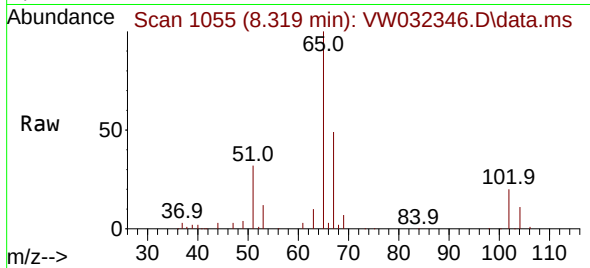




#33
 1,2-Dichloroethane-d4
 Concen: 48.434 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032346.D
 Acq: 03 Oct 2025 12:16

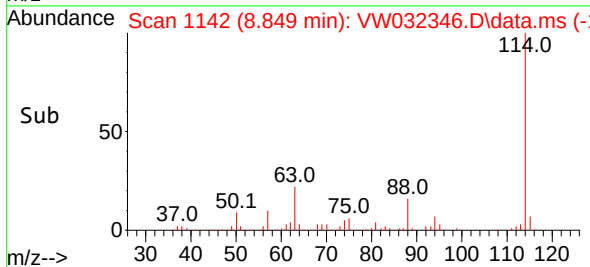
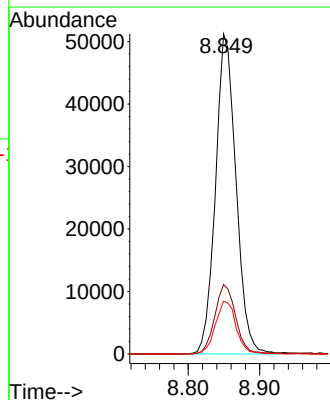
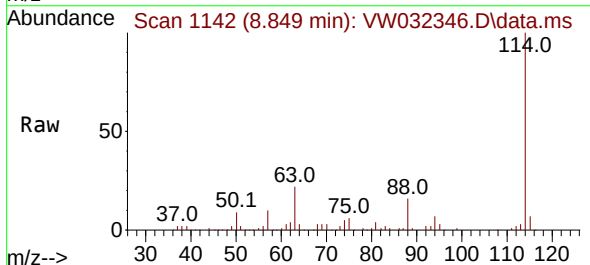
Instrument :
 MSVOA_W
 ClientSampleId :

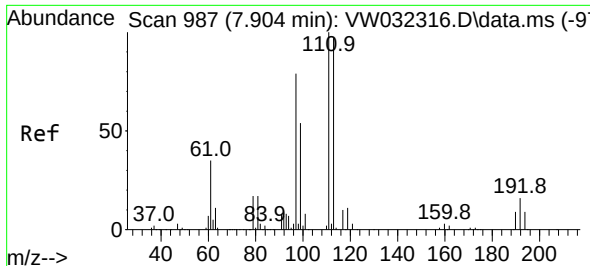
Tgt Ion: 65 Resp: 36666
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032346.D
 Acq: 03 Oct 2025 12:16

Tgt Ion: 114 Resp: 101930
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 40.4
 88 16.5 0.0 32.0

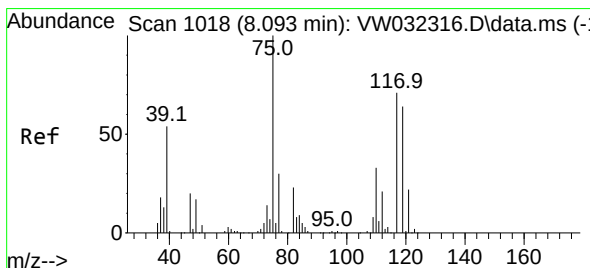
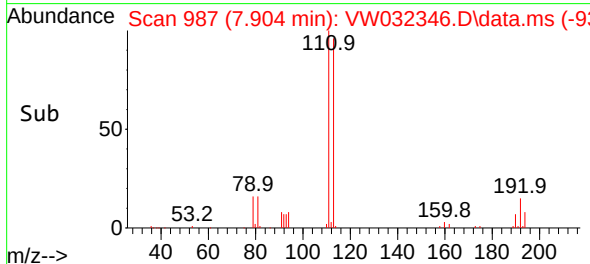
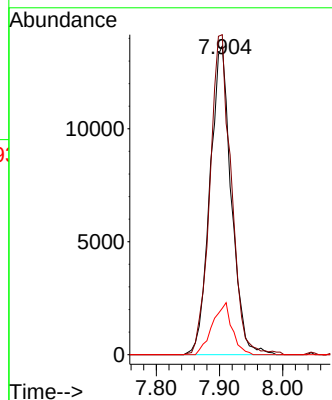
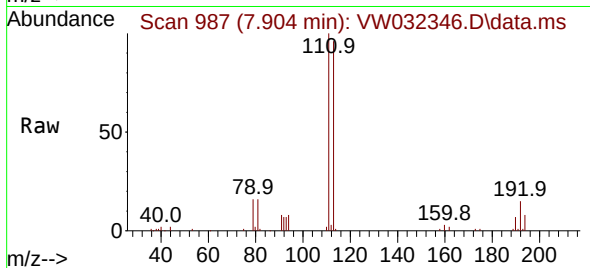




#35
Dibromofluoromethane
Concen: 48.610 ug/l
RT: 7.904 min Scan# 911
Delta R.T. -0.000 min
Lab File: VW032346.D
Acq: 03 Oct 2025 12:16

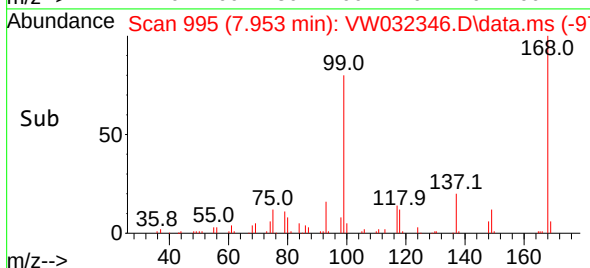
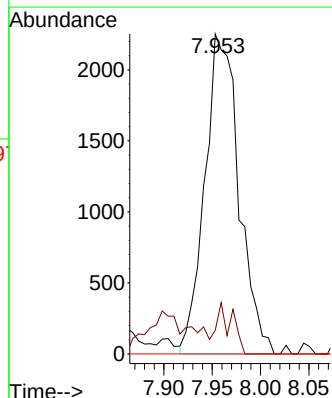
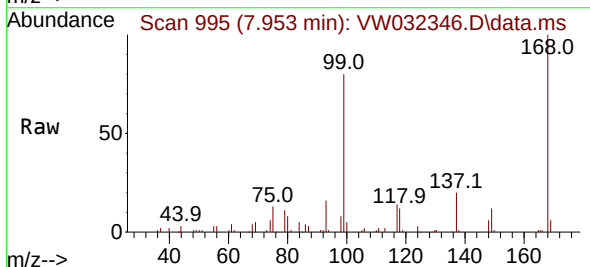
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ClientSampleId :

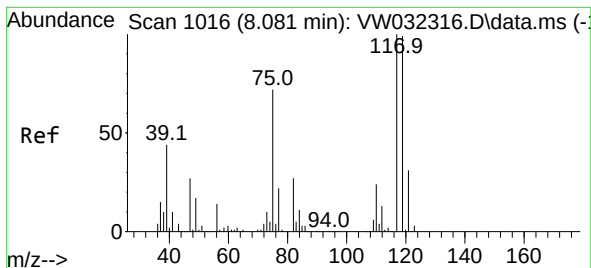
Tgt Ion:113 Resp: 32088
Ion Ratio Lower Upper
113 100
111 103.5 83.9 125.9
192 15.5 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.924 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.146 min
Lab File: VW032346.D
Acq: 03 Oct 2025 12:16

Tgt Ion: 75 Resp: 5519
Ion Ratio Lower Upper
75 100
110 7.3 17.5 52.5#
77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 7.729 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

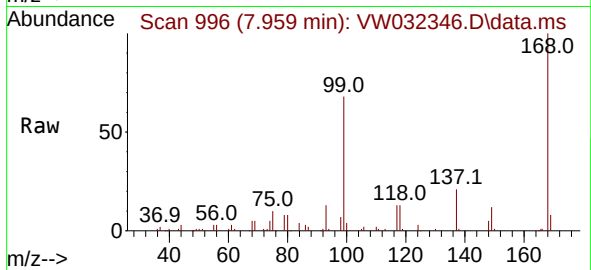
Lab File: VW032346.D

Acq: 03 Oct 2025 12:16

Instrument :

MSVOA_W

ClientSampleId :



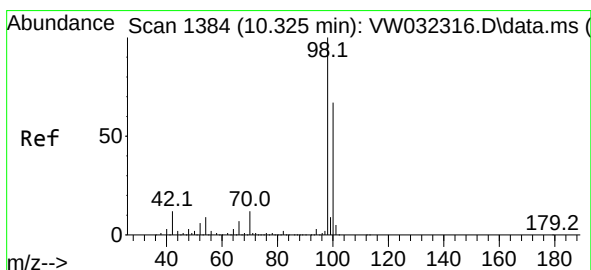
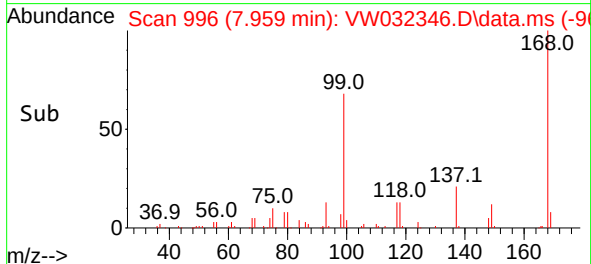
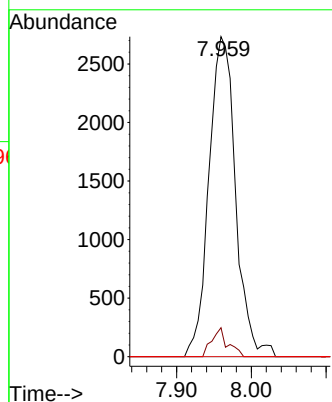
Tgt Ion:117 Resp: 6776

Ion Ratio Lower Upper

117 100

119 9.0 74.2 111.2#

121 0.0 25.6 38.4#



#50

Toluene-d8

Concen: 42.904 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032346.D

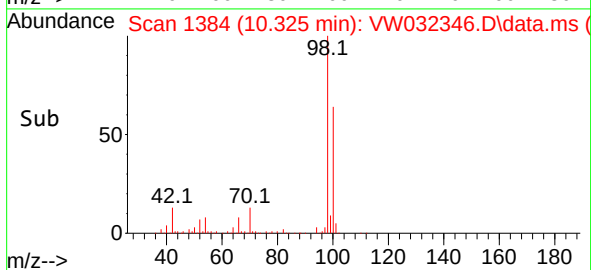
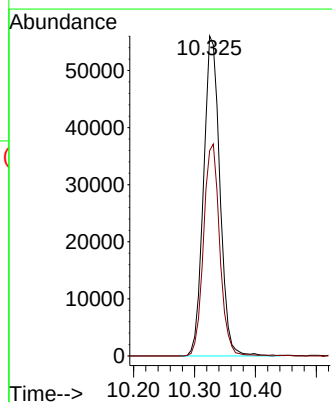
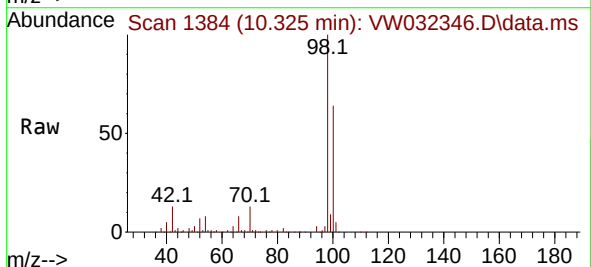
Acq: 03 Oct 2025 12:16

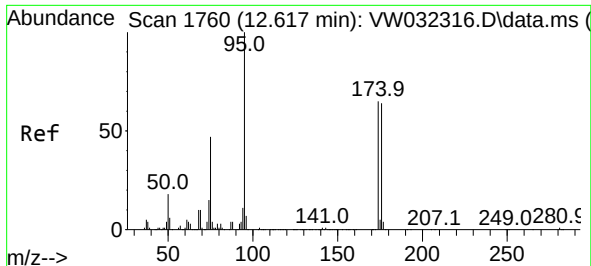
Tgt Ion: 98 Resp: 104527

Ion Ratio Lower Upper

98 100

100 65.6 51.4 77.2

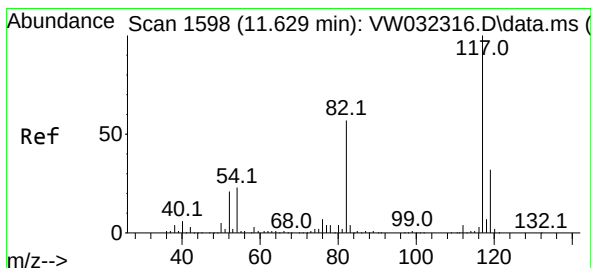
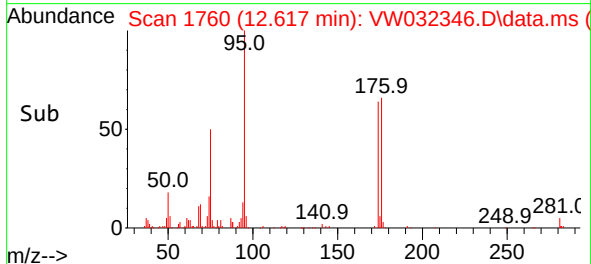
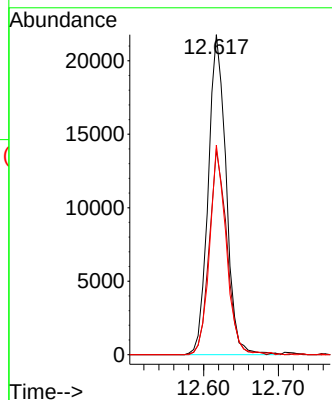
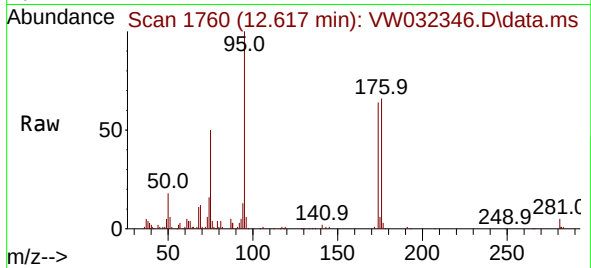




#62
4-Bromofluorobenzene
Concen: 39.269 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032346.D
Acq: 03 Oct 2025 12:16

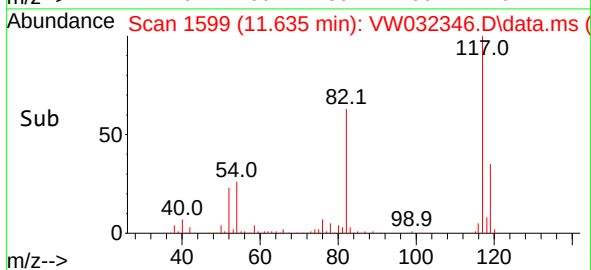
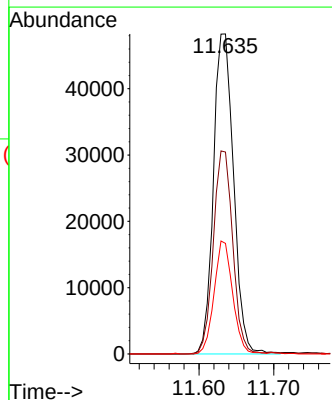
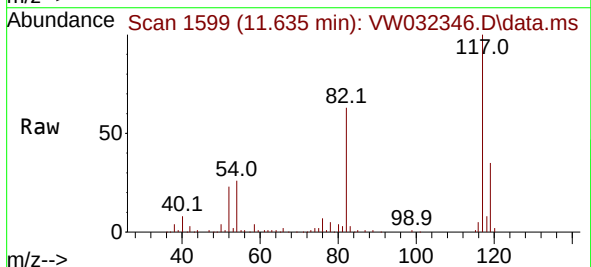
Instrument :
MSVOA_W
ClientSampleId :

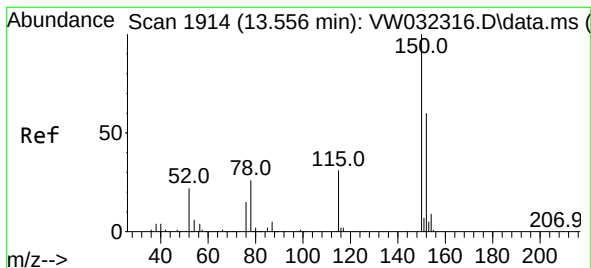
Tgt Ion: 95 Resp: 36161
Ion Ratio Lower Upper
95 100
174 63.3 0.0 145.6
176 61.1 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032346.D
Acq: 03 Oct 2025 12:16

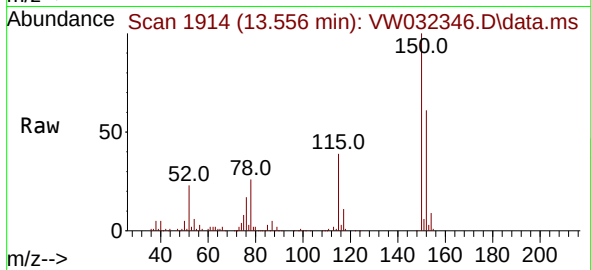
Tgt Ion: 117 Resp: 90371
Ion Ratio Lower Upper
117 100
82 63.1 42.7 64.1
119 34.5 25.2 37.8



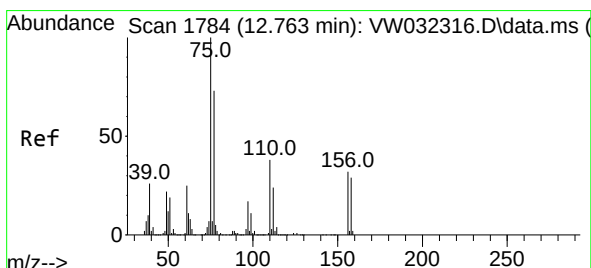
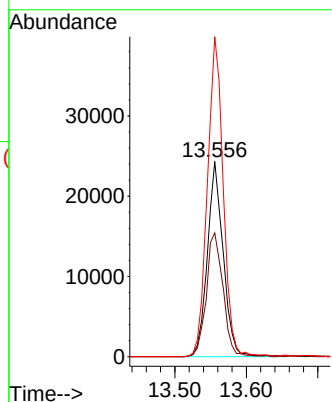
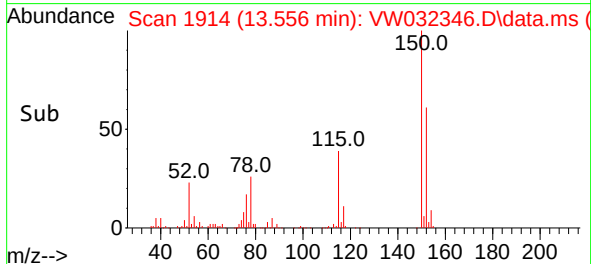


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032346.D
 Acq: 03 Oct 2025 12:16

Instrument :
 MSVOA_W
 ClientSampleId :

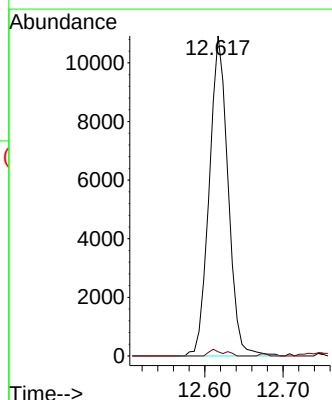
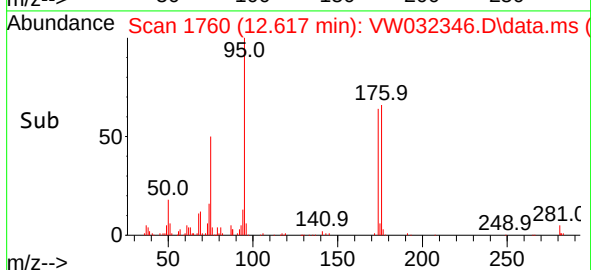
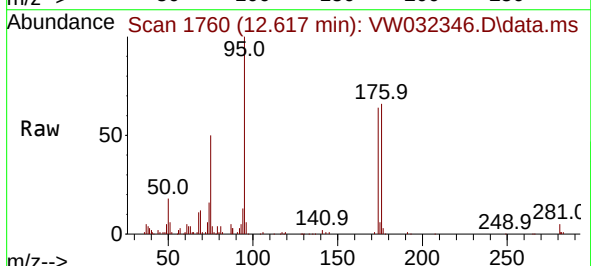


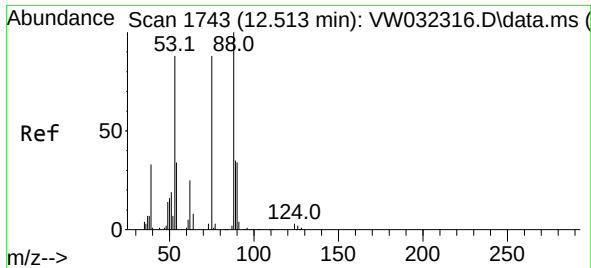
Tgt Ion:152 Resp: 37489
 Ion Ratio Lower Upper
 152 100
 115 66.8 31.8 95.4
 150 164.0 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 36.888 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032346.D
 Acq: 03 Oct 2025 12:16

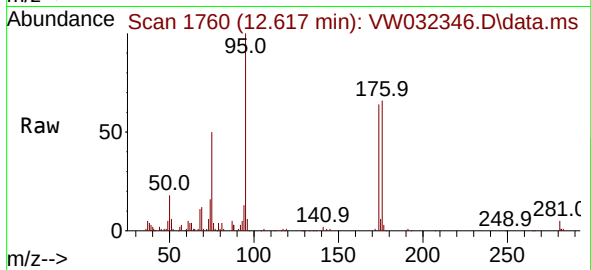
Tgt Ion: 75 Resp: 18198
 Ion Ratio Lower Upper
 75 100
 77 1.7 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.447 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032346.D
 Acq: 03 Oct 2025 12:16

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 18198
 Ion Ratio Lower Upper
 75 100
 53 0.1 91.0 136.6#
 89 0.0 39.4 59.2#

