

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032085.D
 Acq On : 14 Aug 2025 12:02
 Operator : SY/MD
 Sample : Q2820-02
 Misc : 7.92g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 82H-W

Quant Time: Aug 18 03:49:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

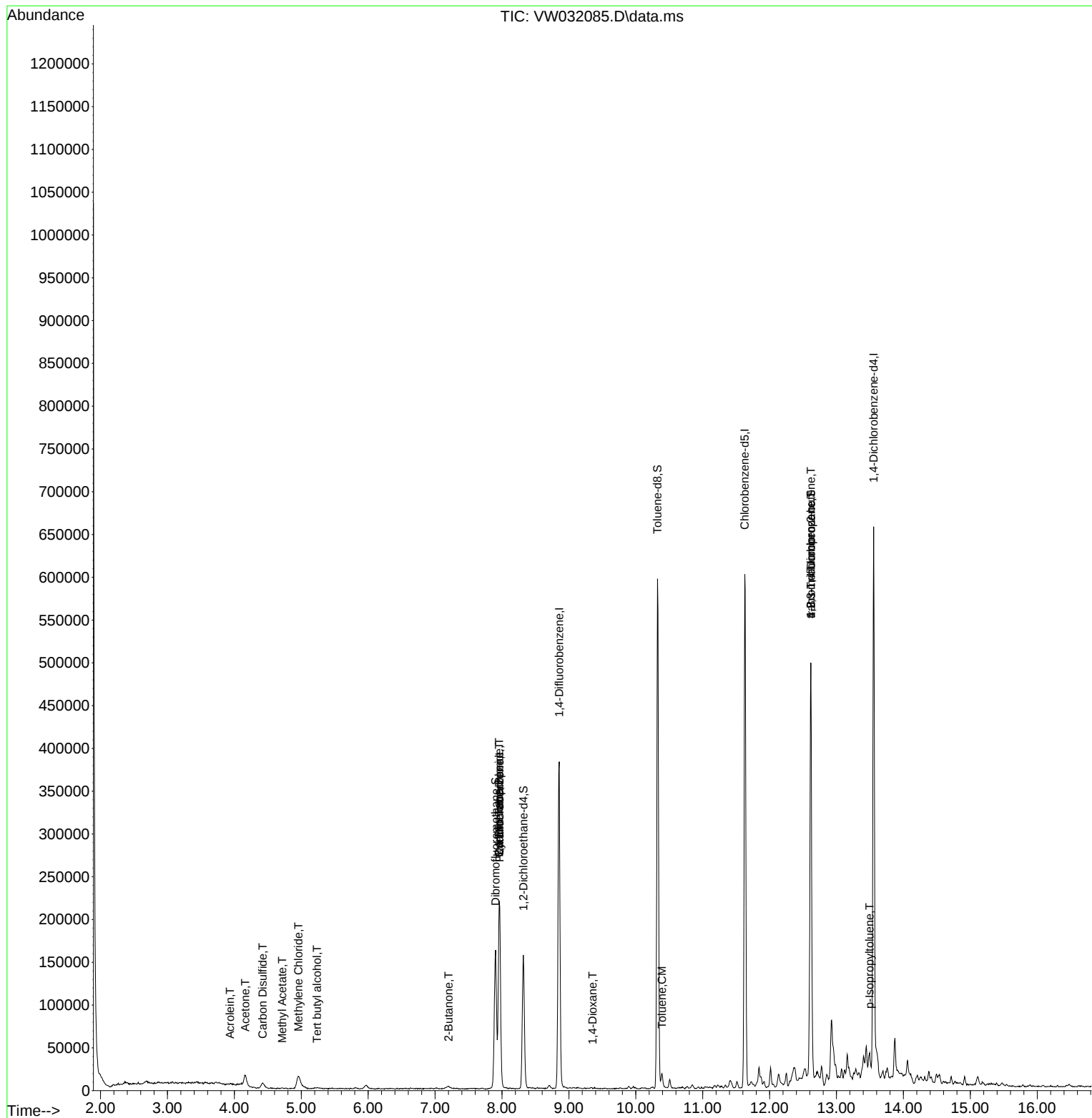
Internal Standards						
1) Pentafluorobenzene	7.965	168	150560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	312304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	317114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	149119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	126653	58.164	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 116.320%			
35) Dibromofluoromethane	7.904	113	111867	55.445	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 110.900%			
50) Toluene-d8	10.325	98	379321	50.830	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.660%			
62) 4-Bromofluorobenzene	12.617	95	141794	51.561	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 103.120%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.234	59	490	3.475	ug/l #	71
13) Acrolein	3.935	56	260	1.157	ug/l #	39
16) Acetone	4.161	43	20268	40.202	ug/l #	87
17) Carbon Disulfide	4.423	76	14117	2.880	ug/l	97
18) Methyl Acetate	4.716	43	1775	1.113	ug/l #	83
20) Methylene Chloride	4.960	84	13643	5.853	ug/l	95
25) 2-Butanone	7.203	43	3815	5.324	ug/l #	86
31) Cyclohexane	7.959	56	4583	1.477	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	14746	5.184	ug/l #	51
38) Carbon Tetrachloride	7.959	117	17098	6.229	ug/l #	21
49) 1,4-Dioxane	9.355	88	42	2.356	ug/l #	69
52) Toluene	10.392	92	6167	1.107	ug/l	96
76) 1,2,3-Trichloropropane	12.617	75	80941	39.993	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	80941	103.537	ug/l #	9
86) p-Isopropyltoluene	13.495	119	9717	1.050	ug/l	96

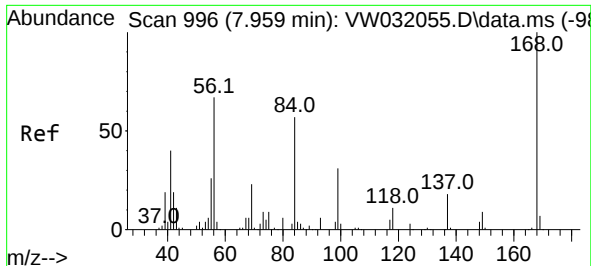
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

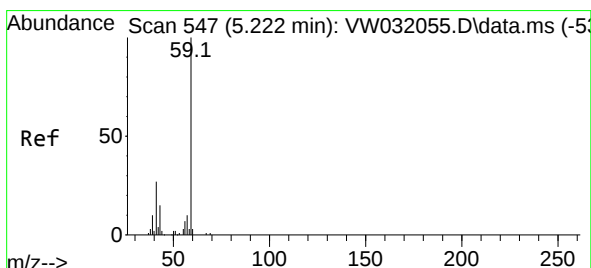
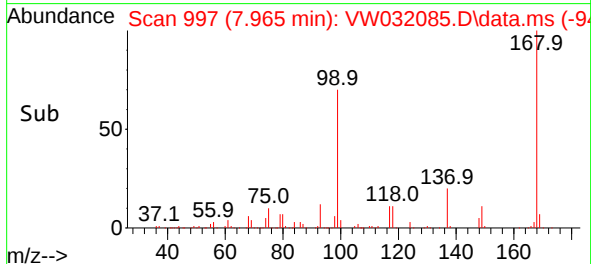
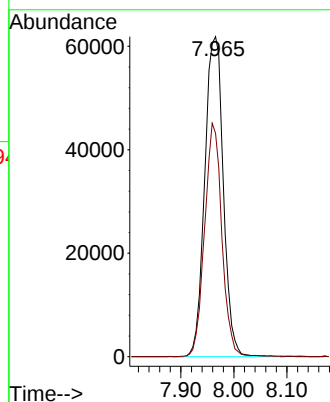
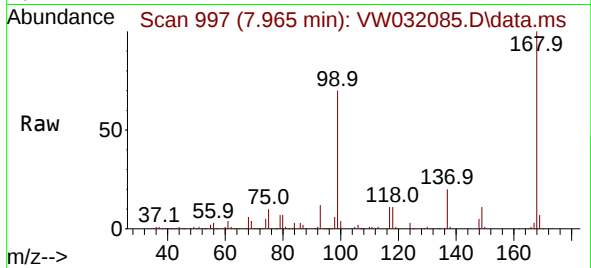




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

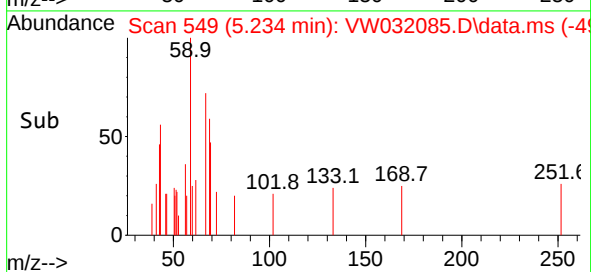
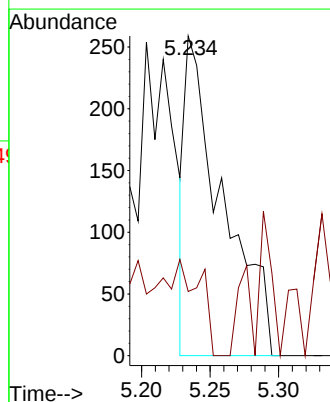
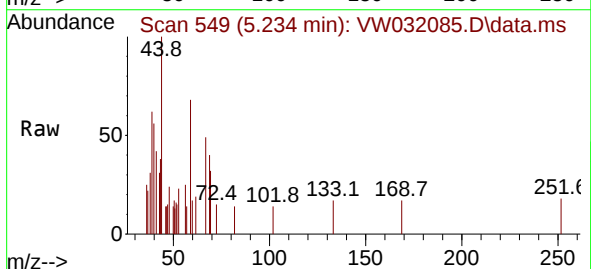
Instrument :
MSVOA_W
ClientSampleId :
82H-W

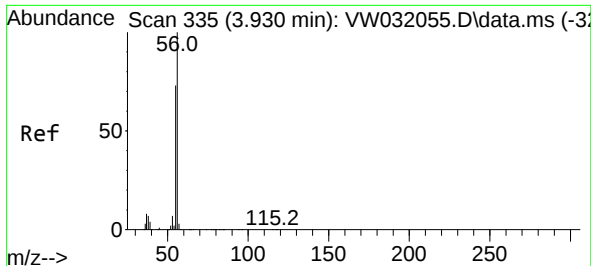
Tgt Ion:168 Resp: 150560
Ion Ratio Lower Upper
168 100
99 69.7 56.0 84.0



#11
Tert butyl alcohol
Concen: 3.475 ug/l
RT: 5.234 min Scan# 549
Delta R.T. 0.012 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 59 Resp: 490
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

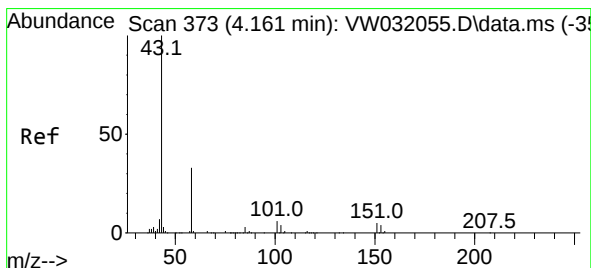
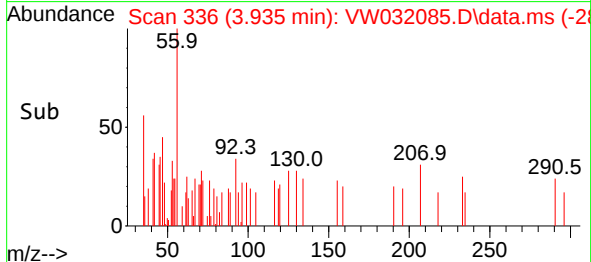
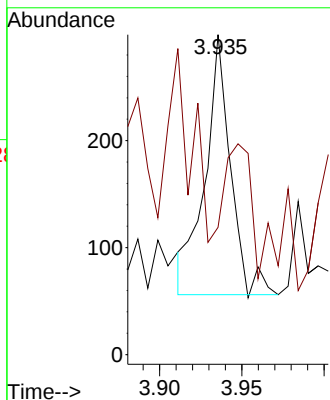
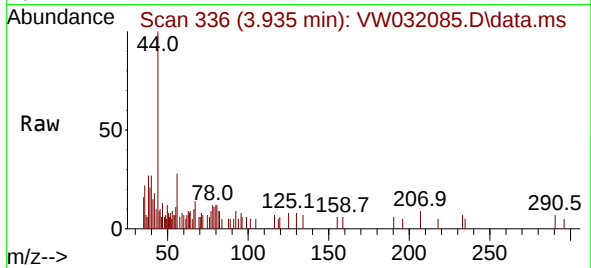




#13
Acrolein
Concen: 1.157 ug/l
RT: 3.935 min Scan# 335
Delta R.T. 0.006 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

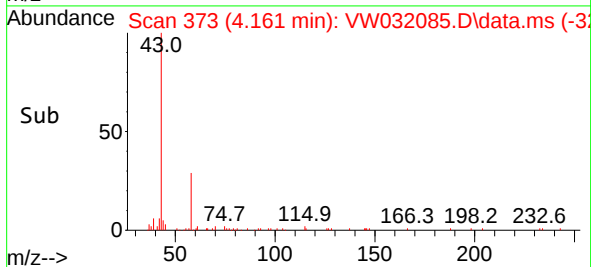
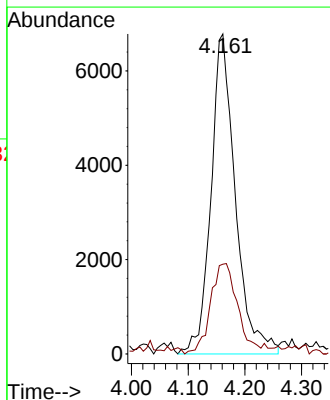
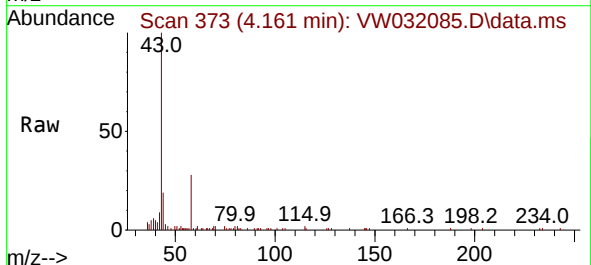
Instrument :
MSVOA_W
ClientSampleId :
82H-W

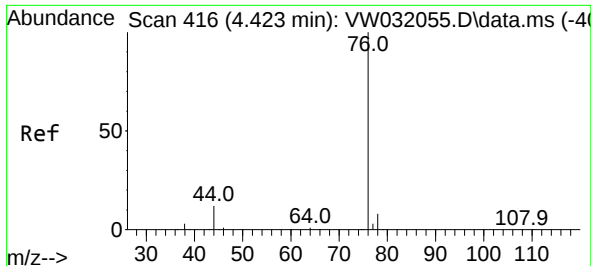
Tgt Ion: 56 Resp: 260
Ion Ratio Lower Upper
56 100
55 118.8 55.4 83.2#



#16
Acetone
Concen: 40.202 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 43 Resp: 20268
Ion Ratio Lower Upper
43 100
58 26.1 26.6 39.8#

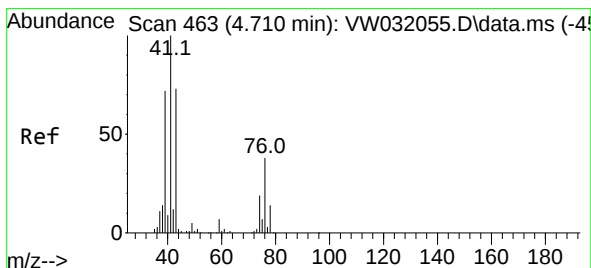
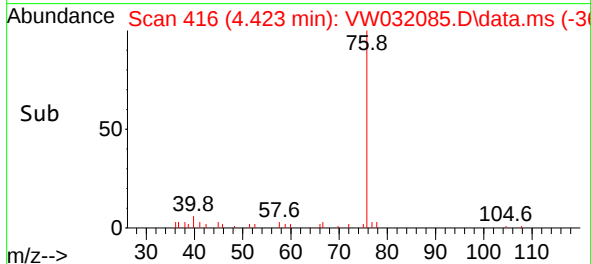
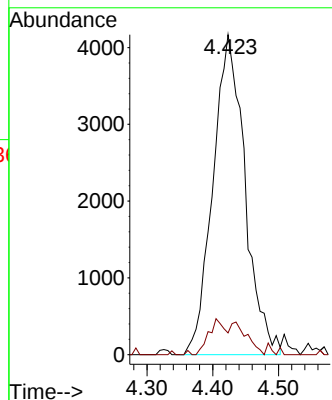
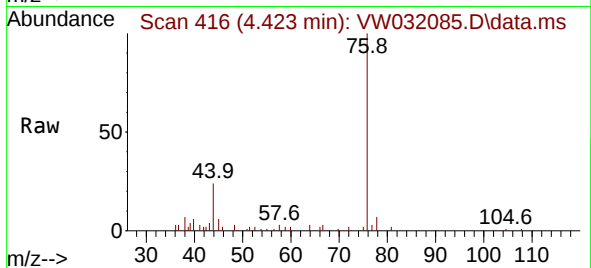




#17
Carbon Disulfide
Concen: 2.880 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

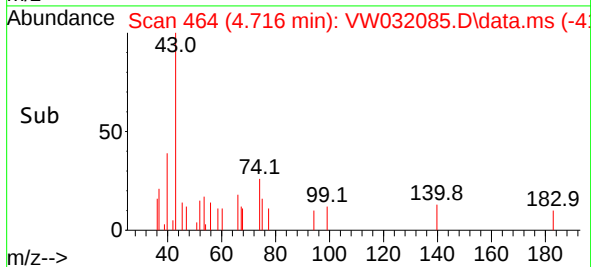
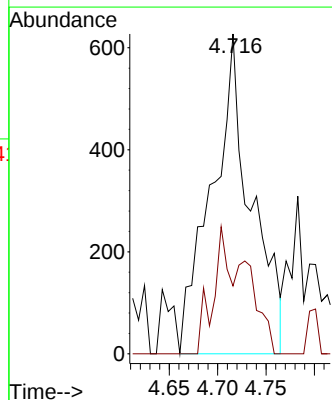
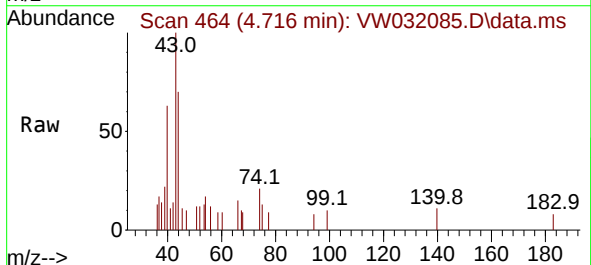
Instrument :
MSVOA_W
ClientSampleId :
82H-W

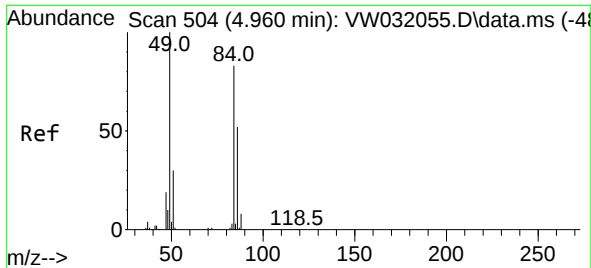
Tgt Ion: 76 Resp: 14117
Ion Ratio Lower Upper
76 100
78 6.8 6.4 9.6



#18
Methyl Acetate
Concen: 1.113 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 43 Resp: 1775
Ion Ratio Lower Upper
43 100
74 17.4 20.6 31.0#

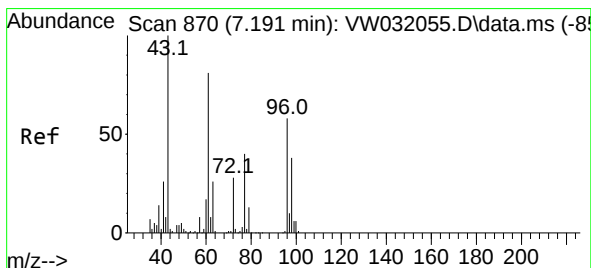
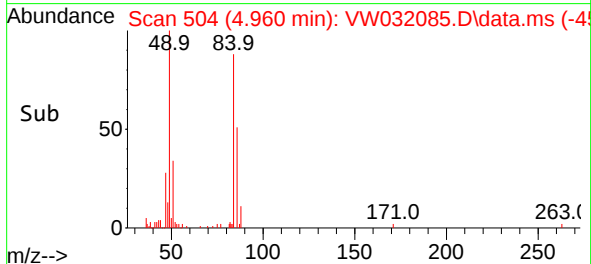
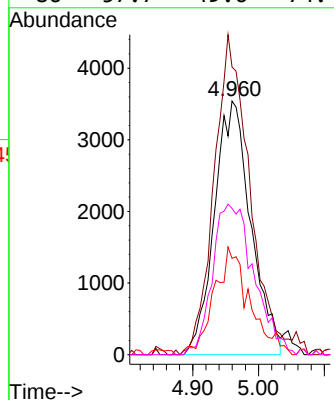
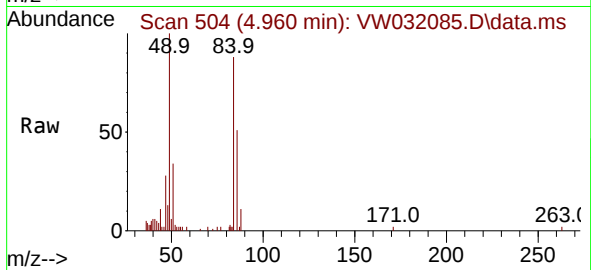




#20
Methylene Chloride
Concen: 5.853 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

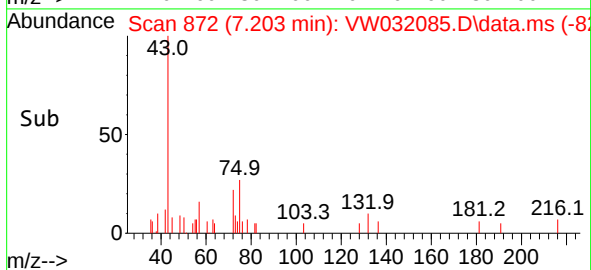
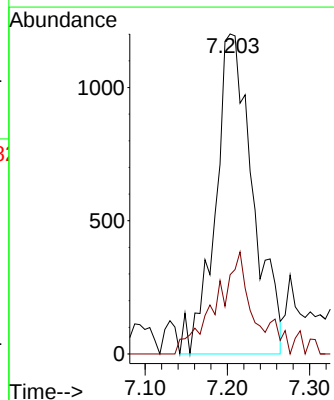
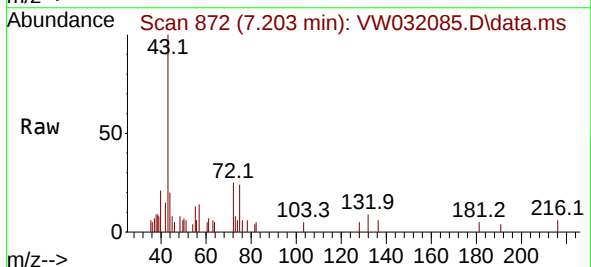
Instrument :
MSVOA_W
ClientSampleId :
82H-W

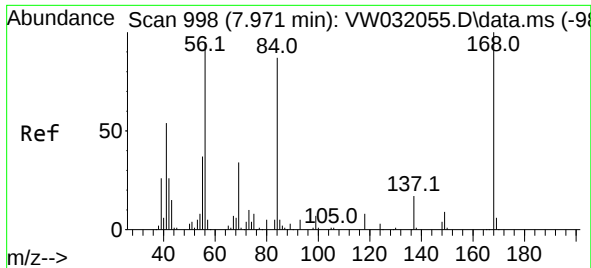
Tgt Ion: 84	Resp: 13643
Ion Ratio	Lower Upper
84 100	
49 113.4	95.9 143.9
51 38.0	28.6 43.0
86 57.7	49.6 74.4



#25
2-Butanone
Concen: 5.324 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 43	Resp: 3815		
Ion Ratio	Lower	Upper	
43 100			
72 20.5	22.3	33.5	#

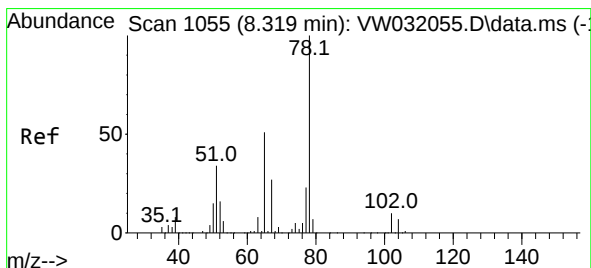
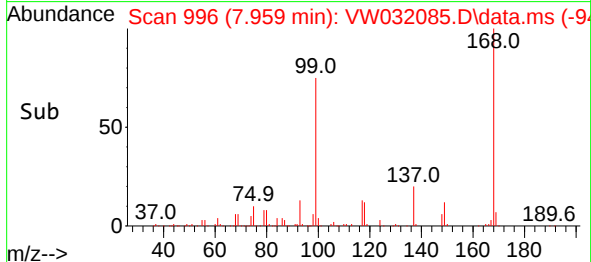
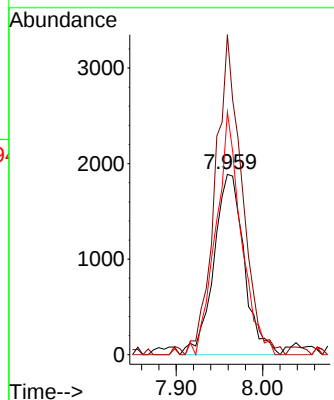
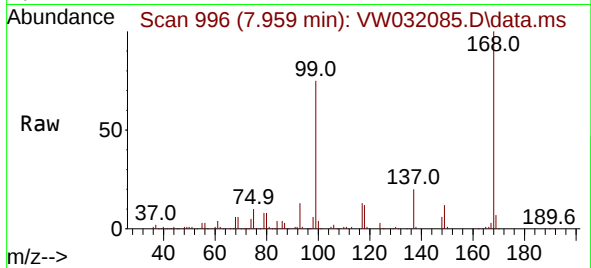




#31
Cyclohexane
Concen: 1.477 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

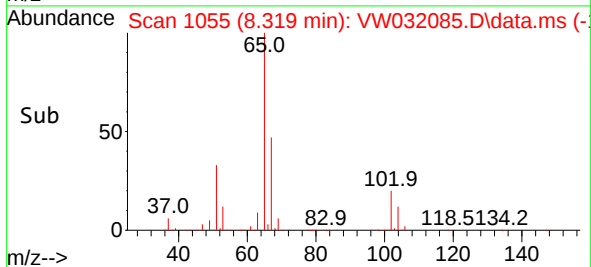
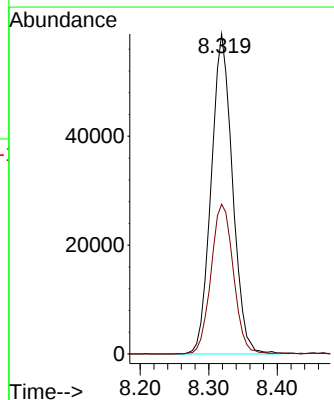
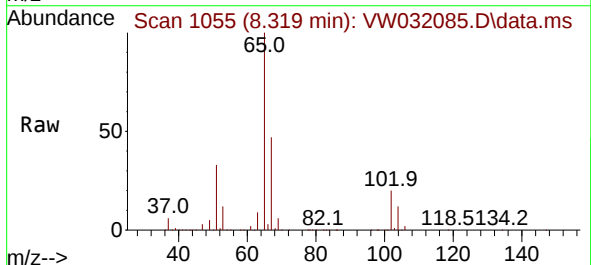
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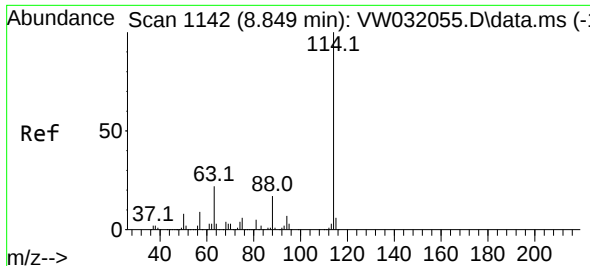
Tgt Ion: 56 Resp: 4583
Ion Ratio Lower Upper
56 100
69 174.0 28.6 42.8#
84 134.4 73.0 109.4#



#33
1,2-Dichloroethane-d4
Concen: 58.164 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 65 Resp: 126653
Ion Ratio Lower Upper
65 100
67 49.3 0.0 102.4

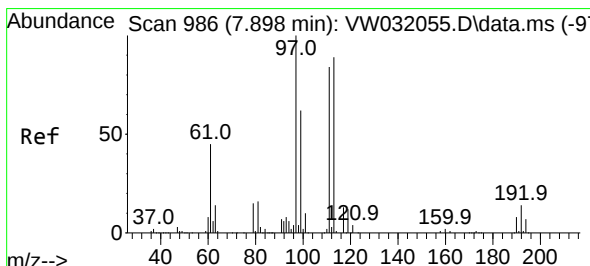
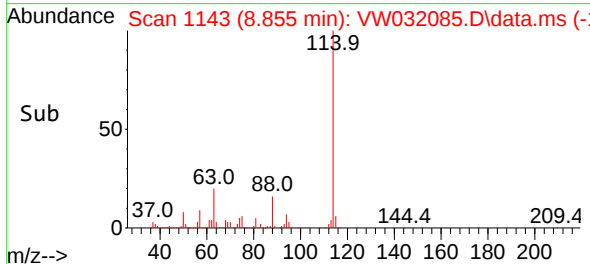
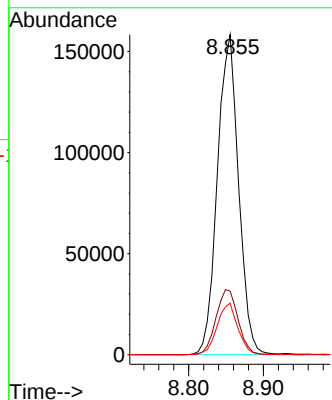
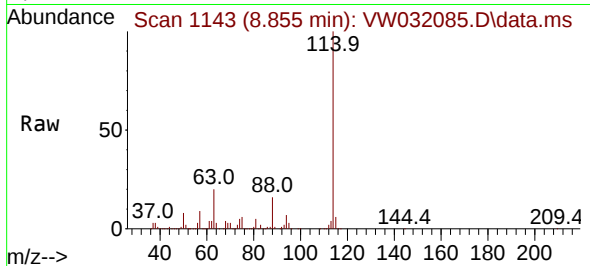




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

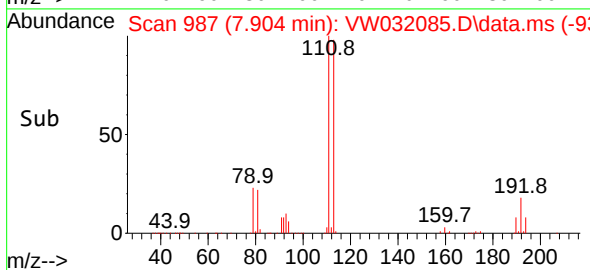
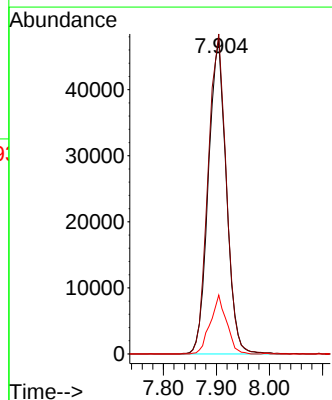
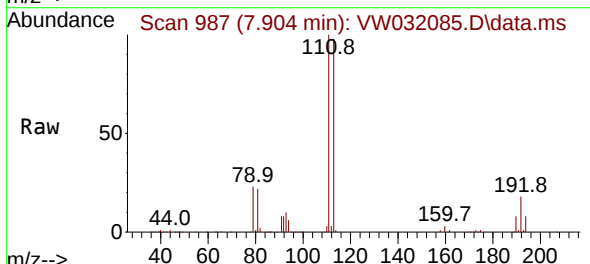
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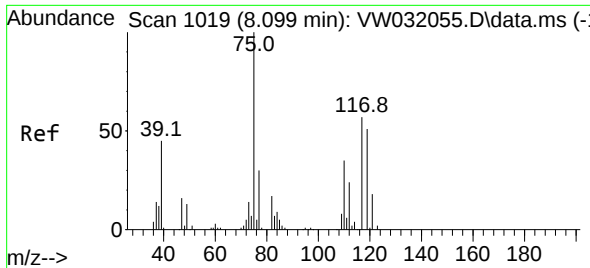
Tgt Ion:114 Resp: 312304
Ion Ratio Lower Upper
114 100
63 19.9 0.0 43.0
88 16.1 0.0 33.8



#35
Dibromofluoromethane
Concen: 55.445 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion:113 Resp: 111867
Ion Ratio Lower Upper
113 100
111 103.5 80.1 120.1
192 17.0 13.1 19.7

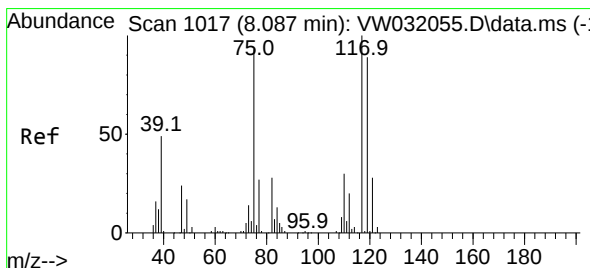
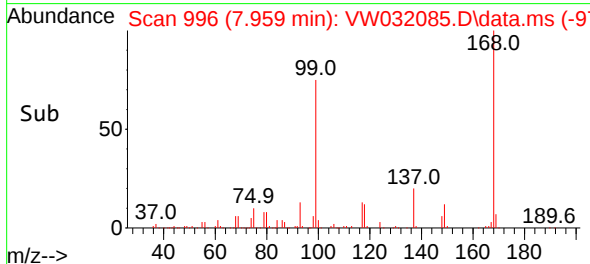
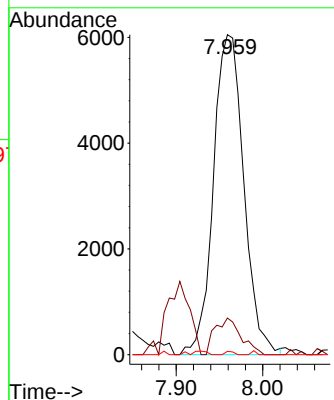
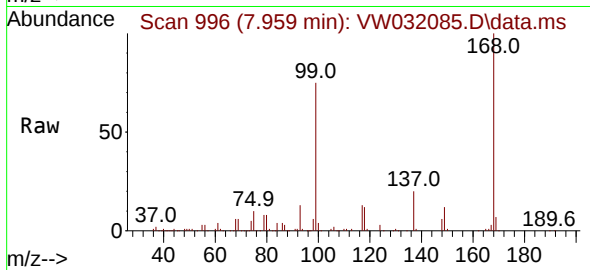




#36
 1,1-Dichloropropene
 Concen: 5.184 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032085.D
 Acq: 14 Aug 2025 12:02

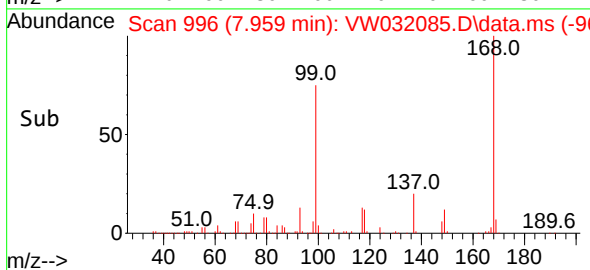
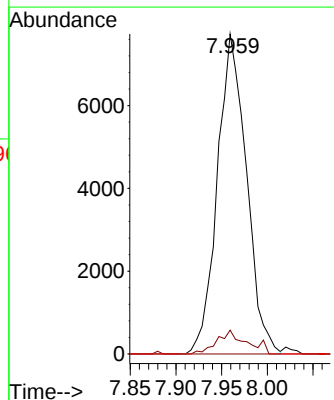
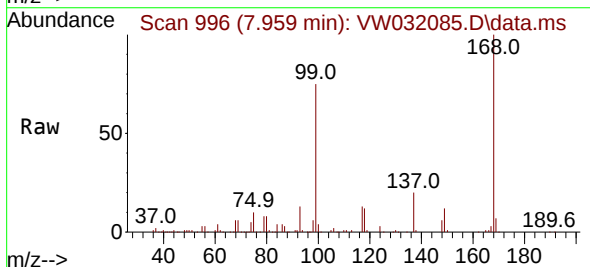
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 82H-W

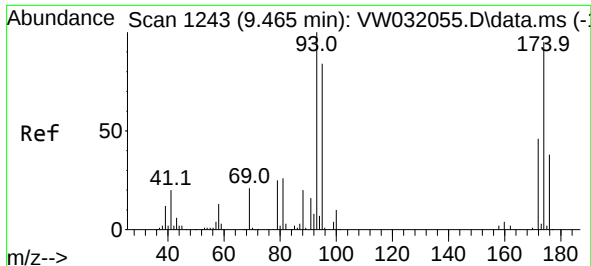
Tgt Ion: 75 Resp: 14746
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.4 52.2#
 77 0.3 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.229 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.128 min
 Lab File: VW032085.D
 Acq: 14 Aug 2025 12:02

Tgt Ion: 117 Resp: 17098
 Ion Ratio Lower Upper
 117 100
 119 7.5 71.4 107.2#
 121 0.0 22.3 33.5#





#49

1,4-Dioxane

Concen: 2.356 ug/l

RT: 9.355 min Scan# 1225

Delta R.T. -0.110 min

Lab File: VW032085.D

Acq: 14 Aug 2025 12:02

Instrument :

MSVOA_W

ClientSampleId :

82H-W

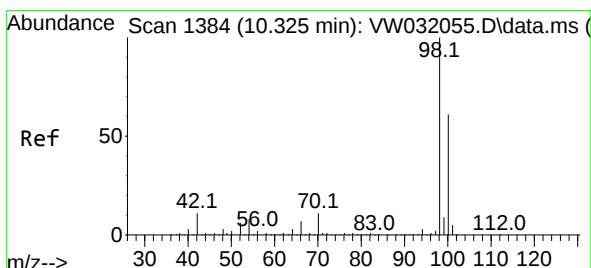
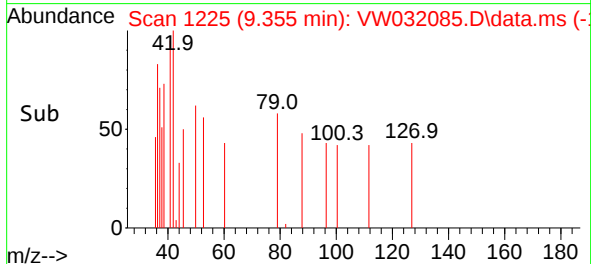
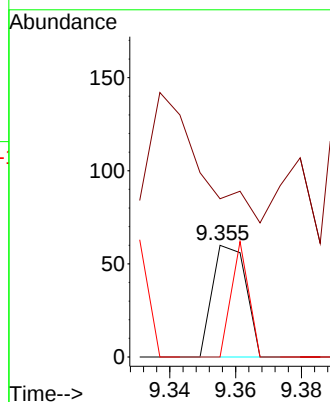
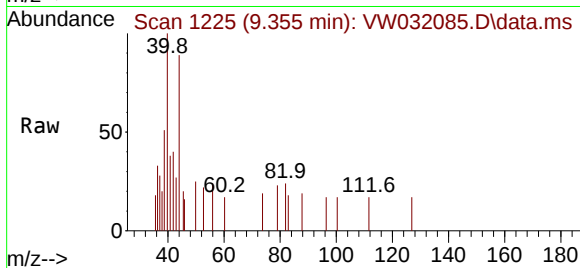
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 0.0 20.6 30.8#

58 54.8 60.4 90.6#



#50

Toluene-d8

Concen: 50.830 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032085.D

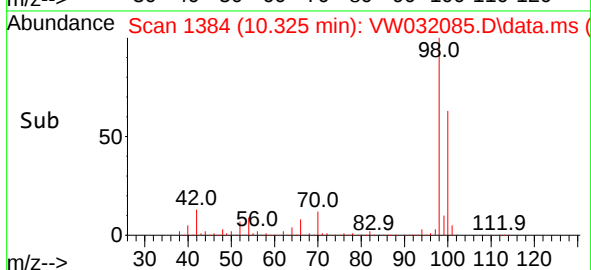
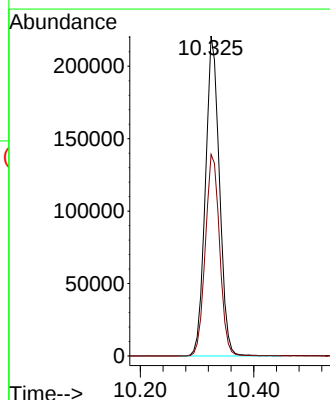
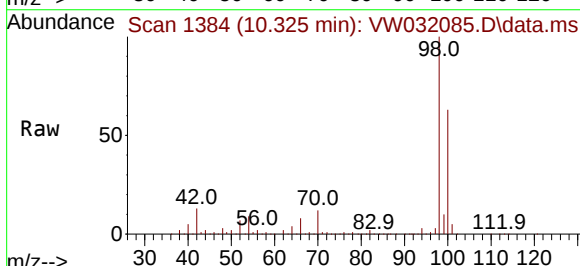
Acq: 14 Aug 2025 12:02

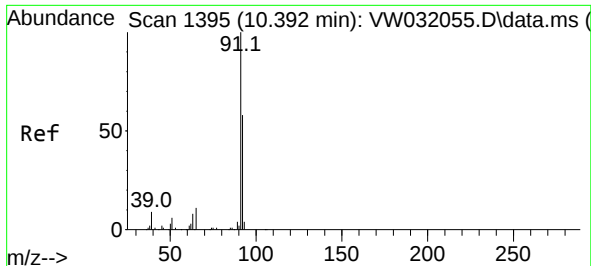
Tgt Ion: 98 Resp: 379321

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7

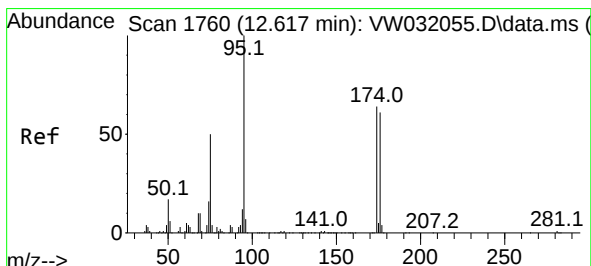
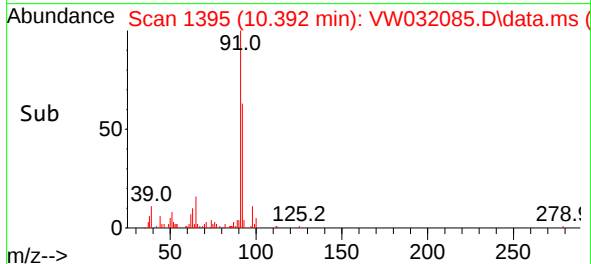
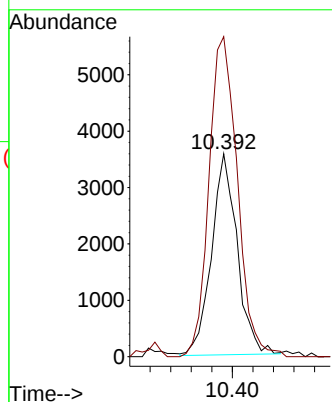
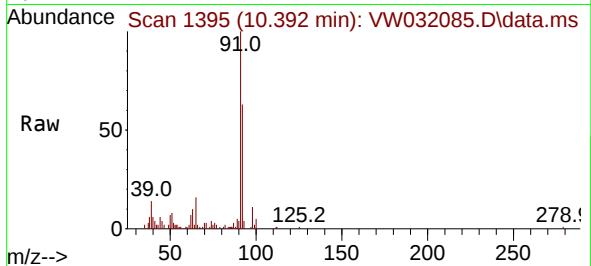




#52
Toluene
Concen: 1.107 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

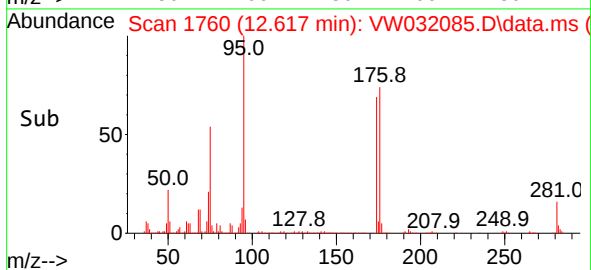
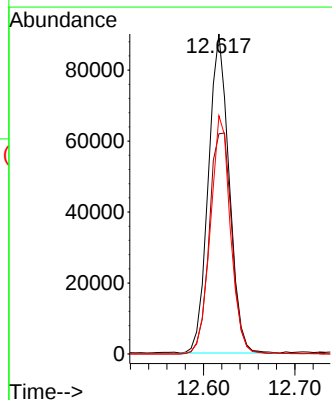
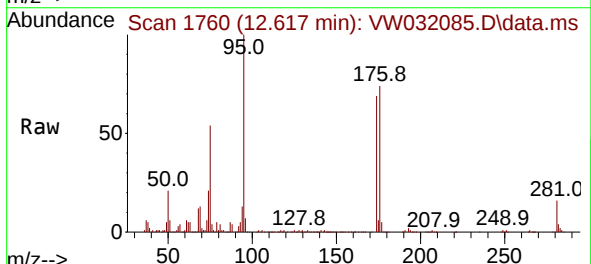
Instrument :
MSVOA_W
ClientSampleId :
82H-W

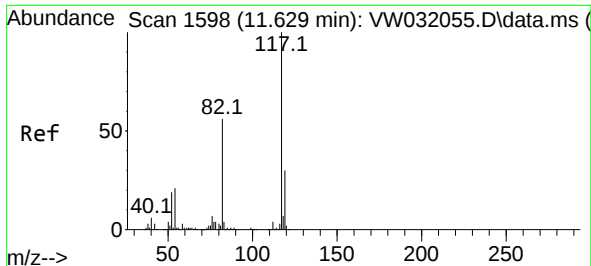
Tgt Ion: 92 Resp: 6167
Ion Ratio Lower Upper
92 100
91 176.4 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 51.561 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 95 Resp: 141794
Ion Ratio Lower Upper
95 100
174 75.7 0.0 129.0
176 72.2 0.0 124.6

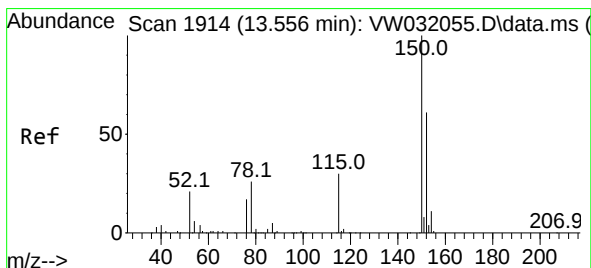
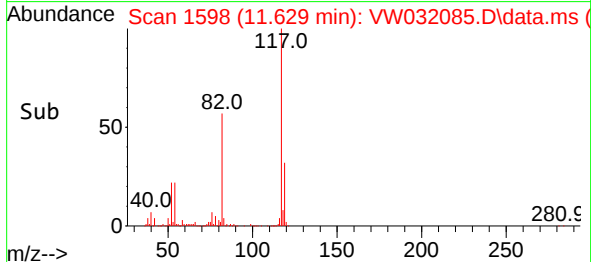
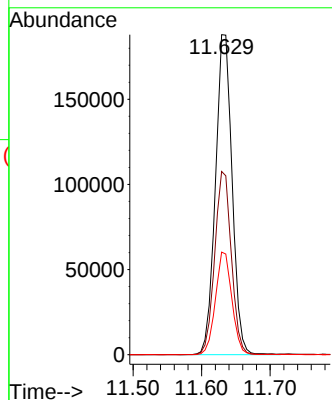
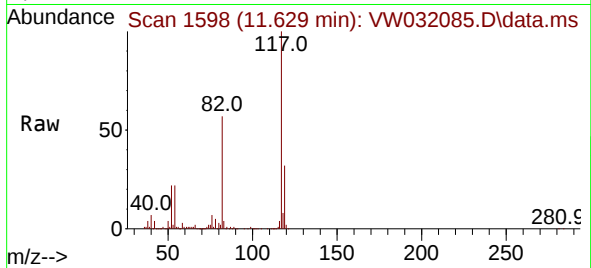




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

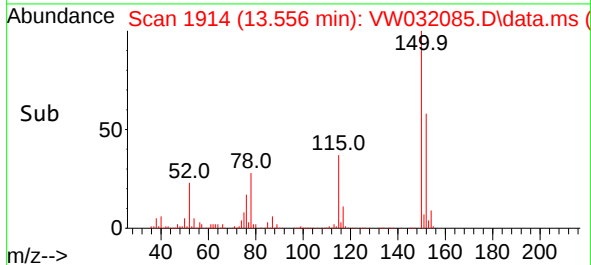
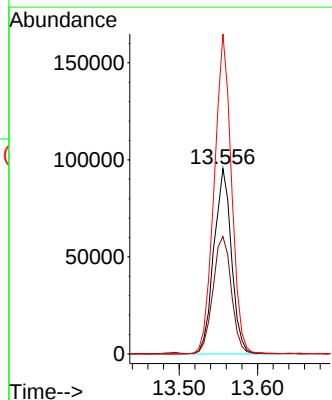
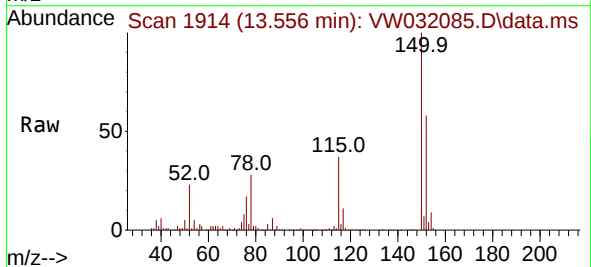
Instrument :
MSVOA_W
ClientSampleId :
82H-W

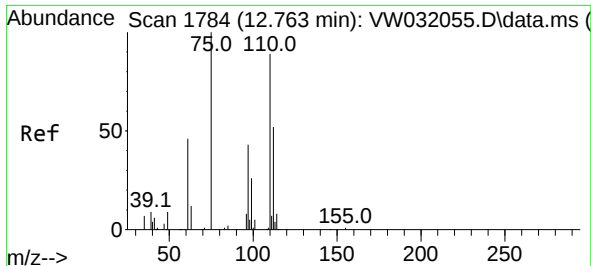
Tgt Ion:117 Resp: 317114
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.4
119 32.0 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion:152 Resp: 149119
Ion Ratio Lower Upper
152 100
115 65.9 32.6 97.8
150 169.6 0.0 359.4

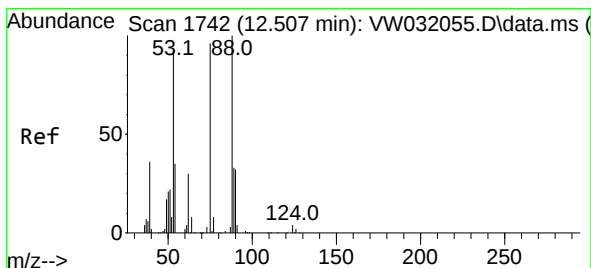
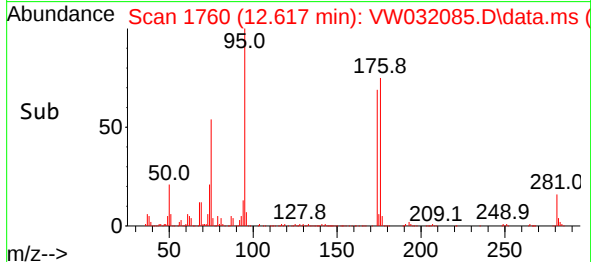
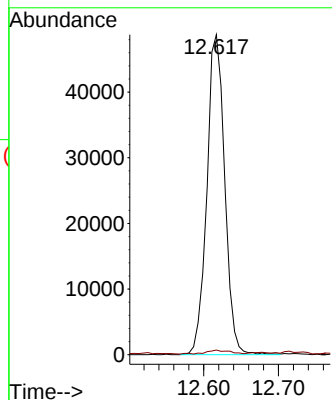
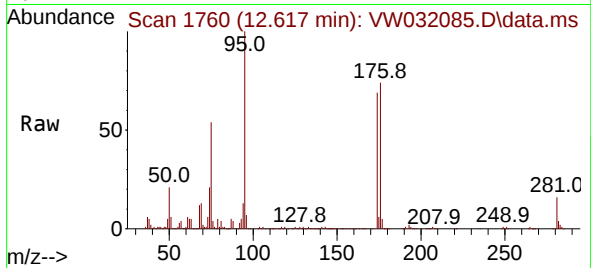




#76
1,2,3-Trichloropropane
Concen: 39.993 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

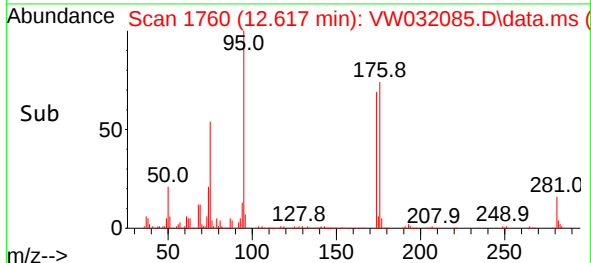
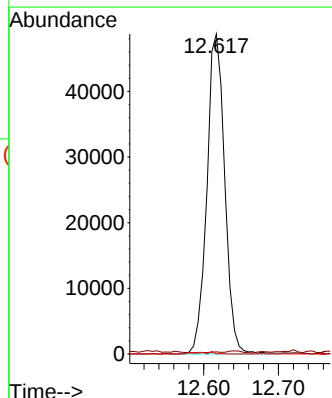
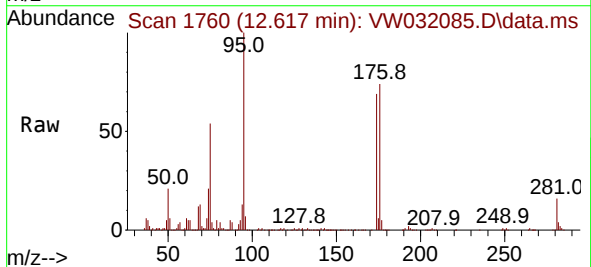
Instrument :
MSVOA_W
ClientSampleId :
82H-W

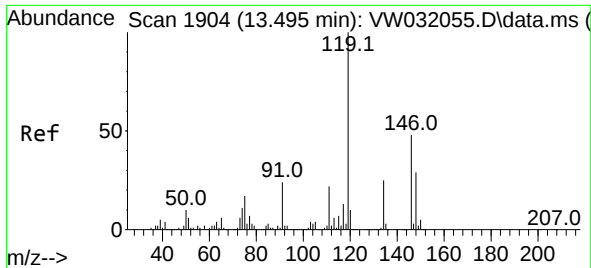
Tgt Ion: 75 Resp: 80941
Ion Ratio Lower Upper
75 100
77 1.5 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.537 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032085.D
Acq: 14 Aug 2025 12:02

Tgt Ion: 75 Resp: 80941
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.6#
89 0.4 37.3 55.9#





#86
 p-Isopropyltoluene
 Concen: 1.050 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032085.D
 Acq: 14 Aug 2025 12:02

Instrument :
 MSVOA_W
 ClientSampleId :
 82H-W

Tgt Ion:	119	Resp:	9717
Ion	Ratio	Lower	Upper
119	100		
134	27.3	12.4	37.0
91	25.9	12.1	36.3

