

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032092.D
 Acq On : 14 Aug 2025 14:39
 Operator : SY/MD
 Sample : Q2820-09
 Misc : 6.04g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 705R-S

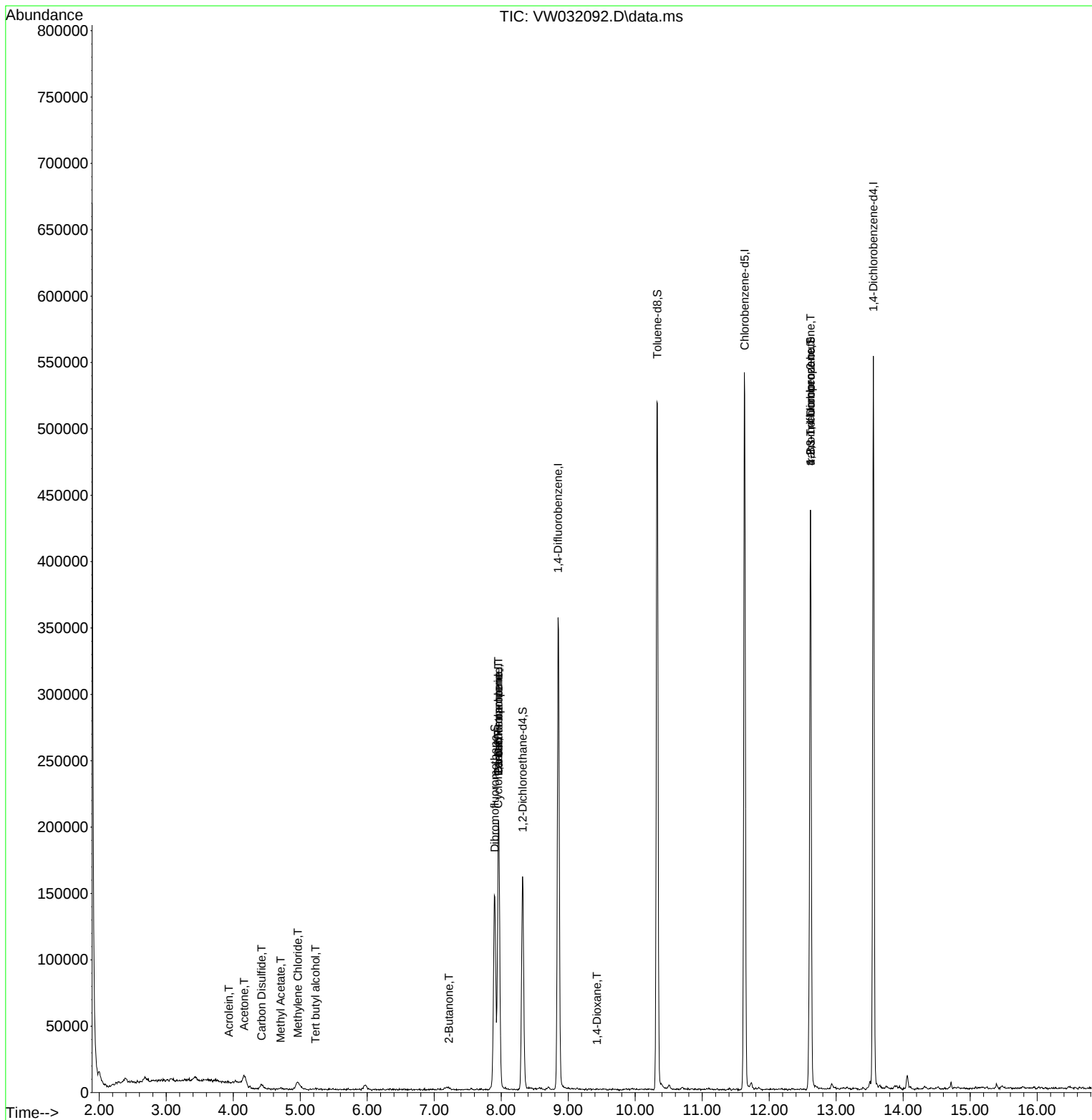
Quant Time: Aug 18 03:52:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

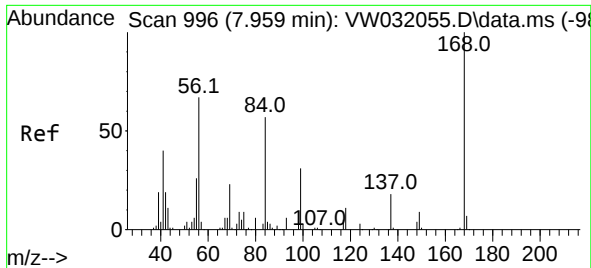
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	139519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	293162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	286216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	129964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	132296	65.563	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 131.120%			
35) Dibromofluoromethane	7.904	113	104800	55.334	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 110.660%			
50) Toluene-d8	10.331	98	340851	48.657	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 97.320%			
62) 4-Bromofluorobenzene	12.617	95	126079	48.840	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 97.680%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.228	59	164	1.255	ug/l #	1
13) Acrolein	3.936	56	413	1.984	ug/l	95
16) Acetone	4.161	43	10275	21.994	ug/l #	85
17) Carbon Disulfide	4.423	76	7428	1.636	ug/l	99
18) Methyl Acetate	4.710	43	1647	1.114	ug/l	98
20) Methylene Chloride	4.966	84	4964	2.298	ug/l #	84
25) 2-Butanone	7.221	43	1719	2.589	ug/l #	87
31) Cyclohexane	7.953	56	4328	1.505	ug/l #	47
36) 1,1-Dichloropropene	7.959	75	14115	5.287	ug/l #	50
38) Carbon Tetrachloride	7.959	117	16528	6.415	ug/l #	20
49) 1,4-Dioxane	9.428	88	57	3.407	ug/l #	86
76) 1,2,3-Trichloropropane	12.617	75	73605	41.728	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	73605	108.030	ug/l #	9

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

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Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

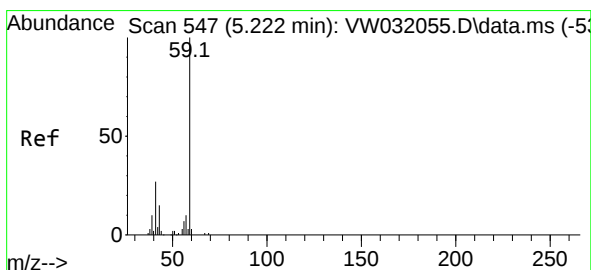
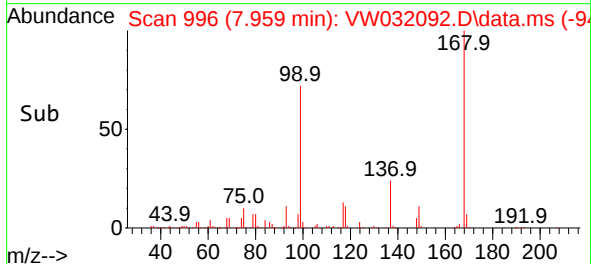
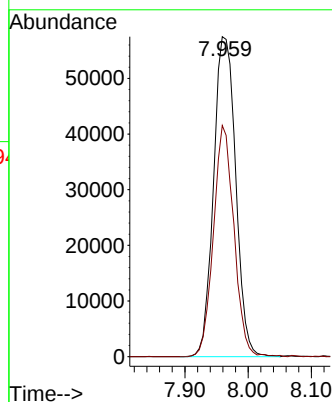
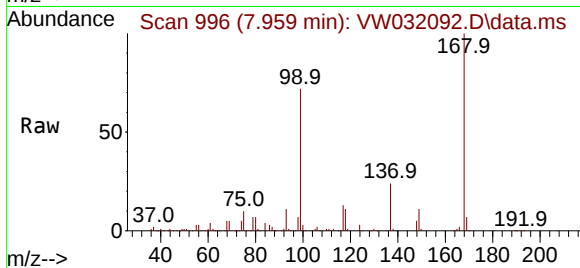




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

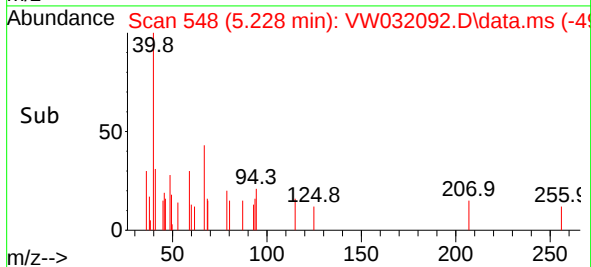
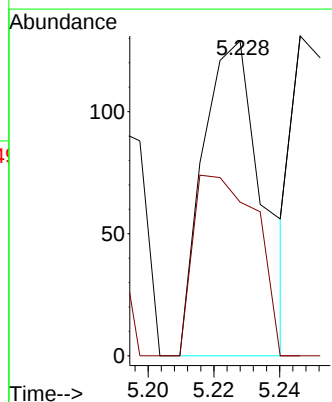
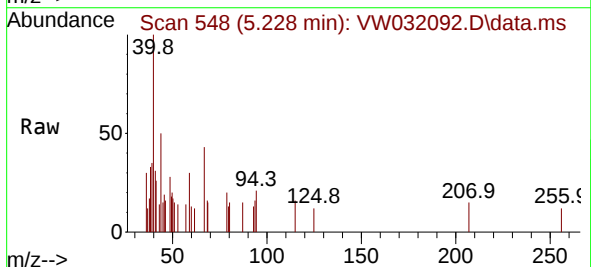
Instrument :
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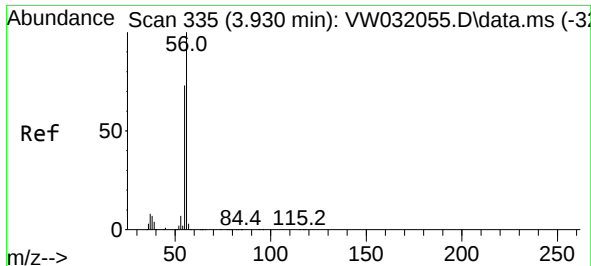
Tgt Ion:168 Resp: 139519
Ion Ratio Lower Upper
168 100
99 72.2 56.0 84.0



#11
Tert butyl alcohol
Concen: 1.255 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

Tgt Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 59.8 8.7 13.1#

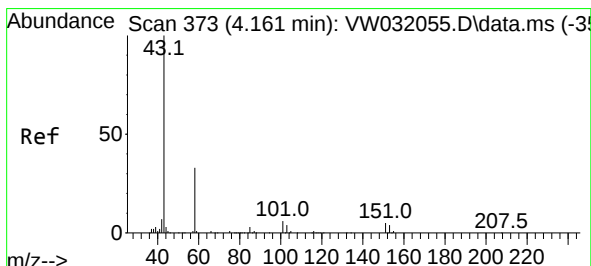
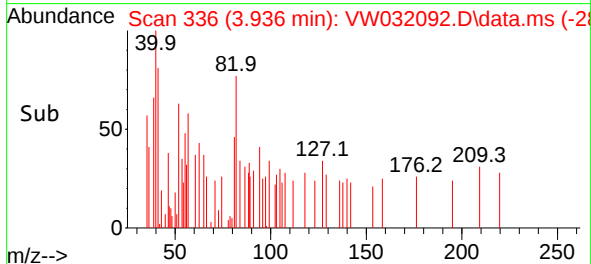
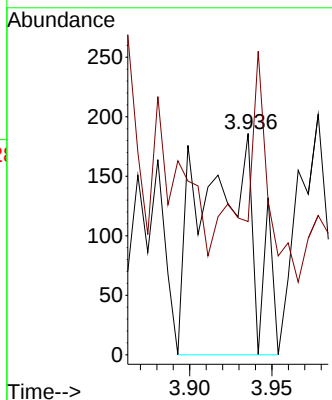
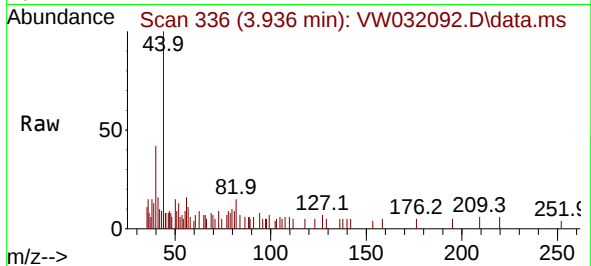




#13
Acrolein
Concen: 1.984 ug/l
RT: 3.936 min Scan# 311
Delta R.T. 0.006 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

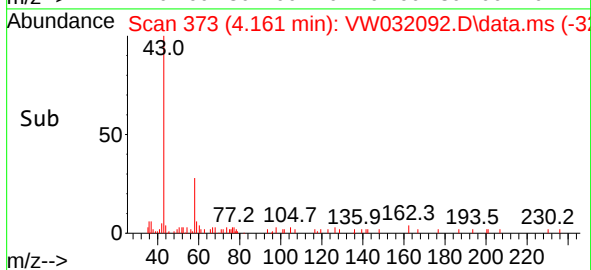
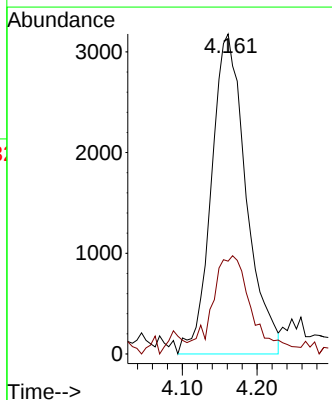
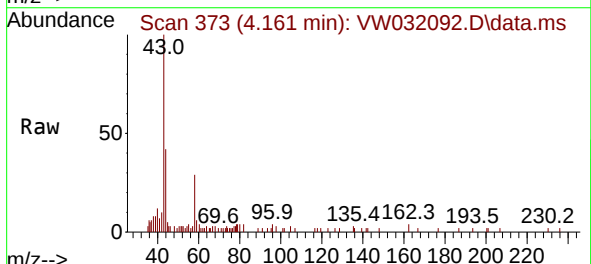
Instrument :
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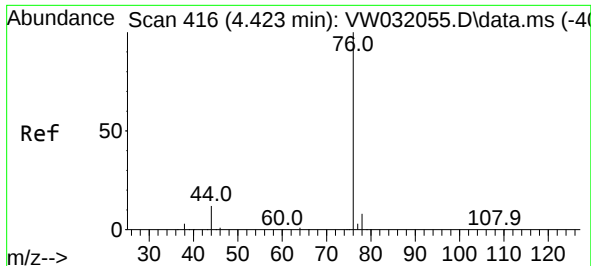
Tgt Ion: 56 Resp: 413
Ion Ratio Lower Upper
56 100
55 65.1 55.4 83.2



#16
Acetone
Concen: 21.994 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

Tgt Ion: 43 Resp: 10275
Ion Ratio Lower Upper
43 100
58 24.7 26.6 39.8

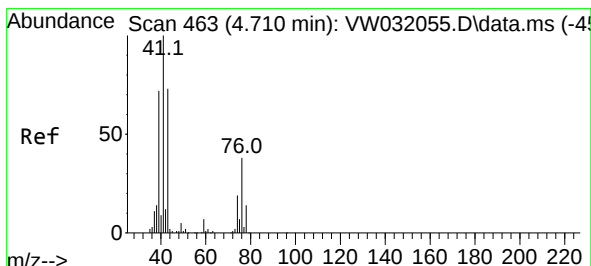
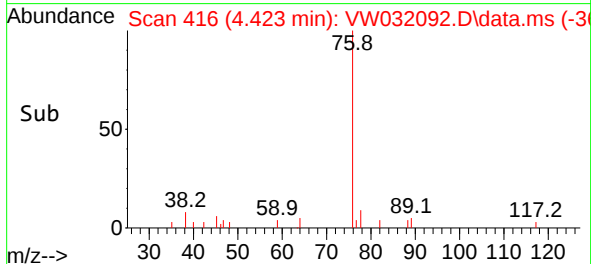
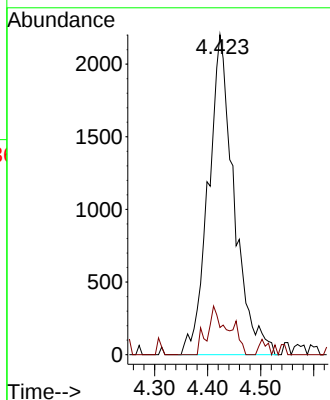
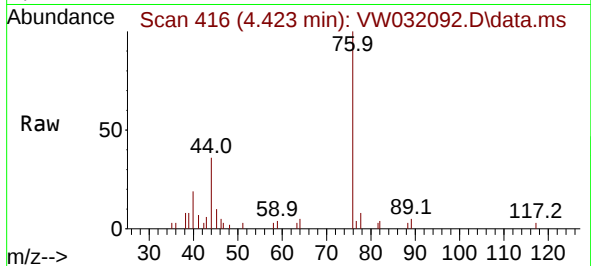




#17
Carbon Disulfide
Concen: 1.636 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

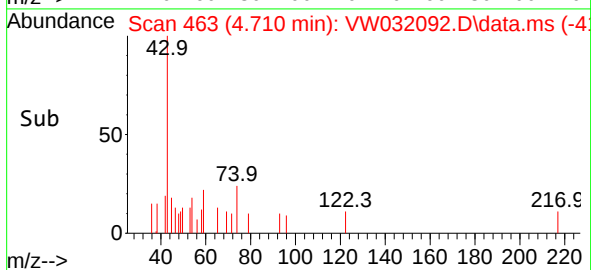
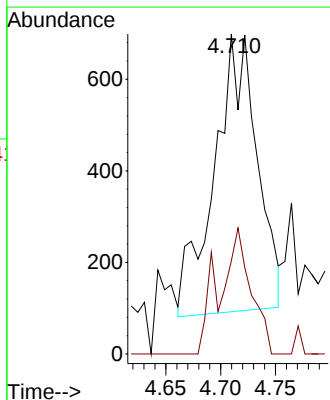
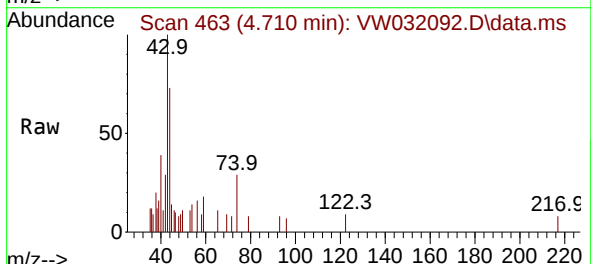
Instrument :
MSVOA_W
ClientSampleId :
705R-S

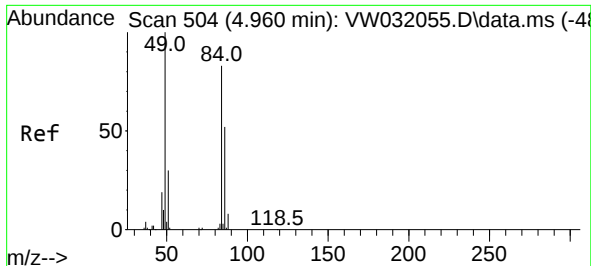
Tgt Ion: 76 Resp: 7428
Ion Ratio Lower Upper
76 100
78 8.5 6.4 9.6



#18
Methyl Acetate
Concen: 1.114 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

Tgt Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
74 24.9 20.6 31.0

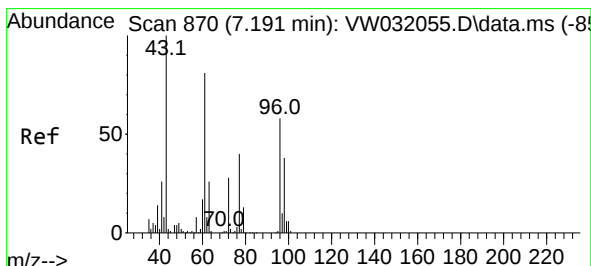
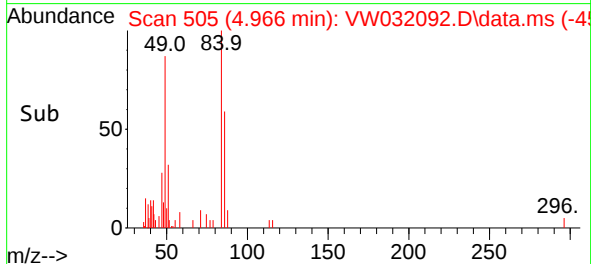
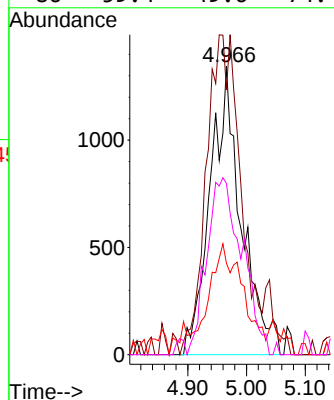
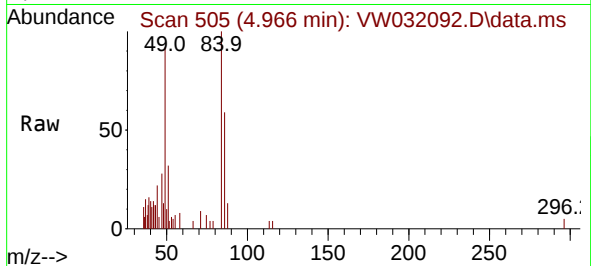




#20
Methylene Chloride
Concen: 2.298 ug/l
RT: 4.966 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

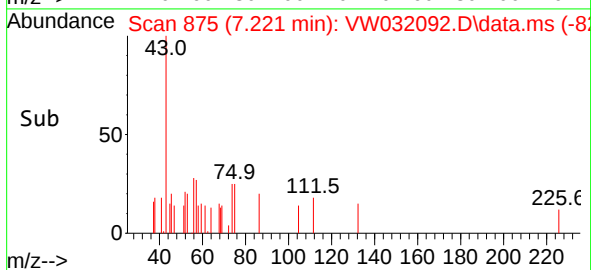
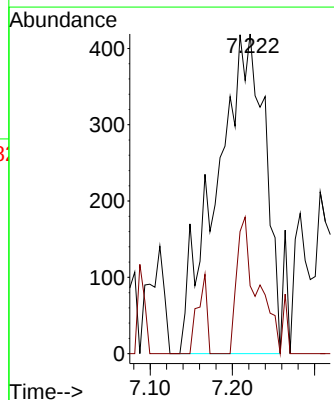
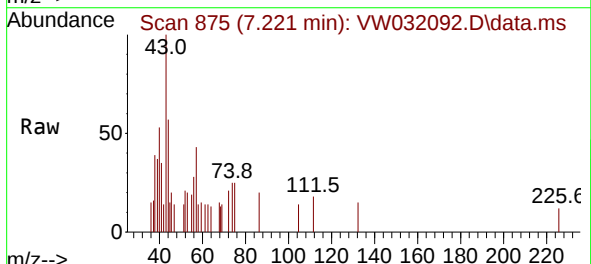
Instrument :
MSVOA_W
ClientSampleId :
705R-S

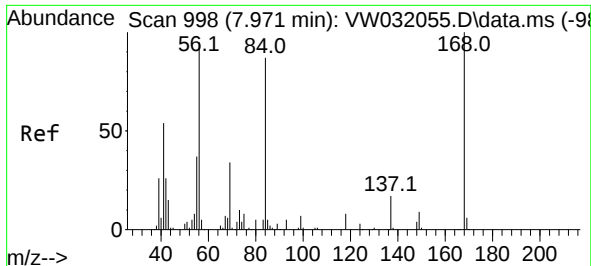
Tgt Ion: 84	Resp: 4964
Ion Ratio	Lower Upper
84 100	
49 91.9	95.9 143.9#
51 31.9	28.6 43.0
86 59.4	49.6 74.4



#25
2-Butanone
Concen: 2.589 ug/l
RT: 7.221 min Scan# 875
Delta R.T. 0.030 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

Tgt Ion: 43	Resp: 1719		
Ion Ratio	Lower	Upper	
43 100			
72 21.2	22.3	33.5#	

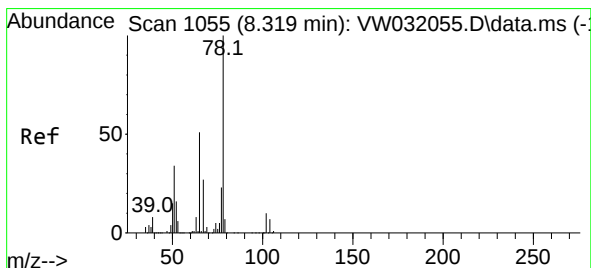
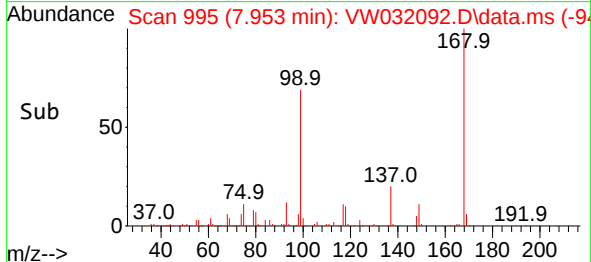
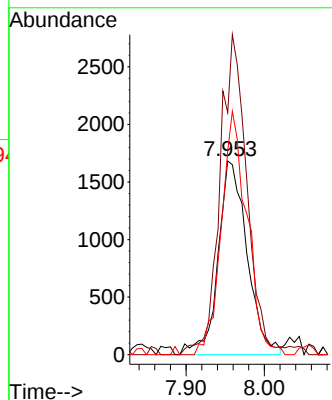
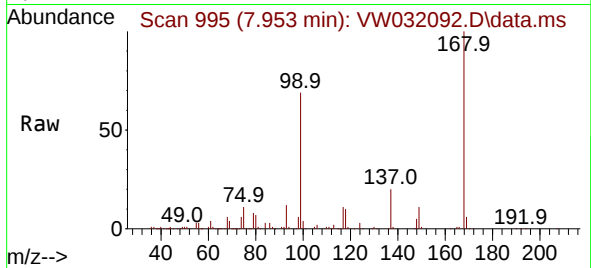




#31
Cyclohexane
Concen: 1.505 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

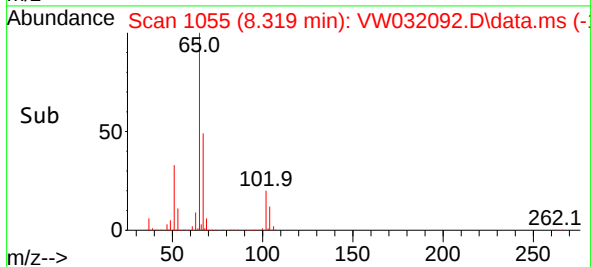
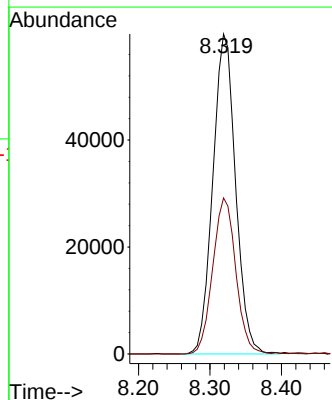
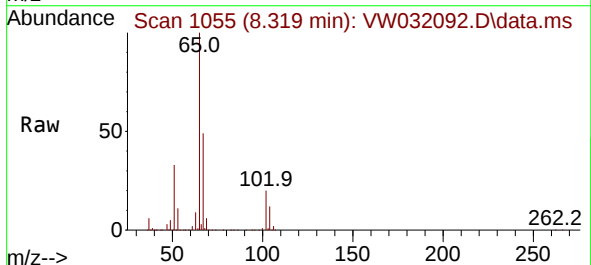
Instrument :
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ClientSampleId :
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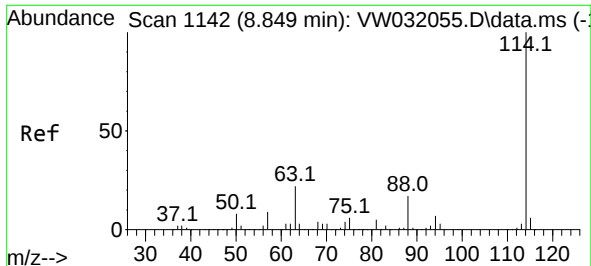
Tgt Ion: 56 Resp: 4328
Ion Ratio Lower Upper
56 100
69 125.0 28.6 42.8#
84 105.1 73.0 109.4



#33
1,2-Dichloroethane-d4
Concen: 65.563 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

Tgt Ion: 65 Resp: 132296
Ion Ratio Lower Upper
65 100
67 49.3 0.0 102.4

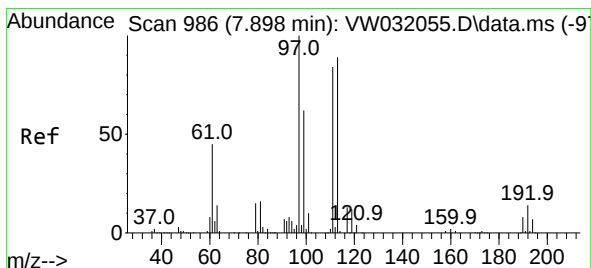
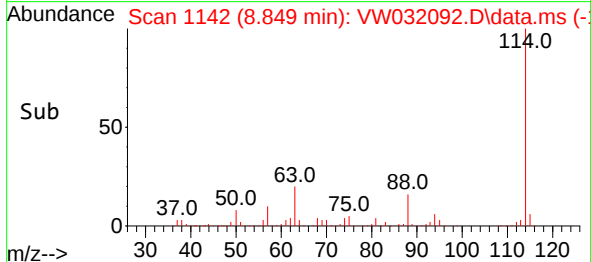
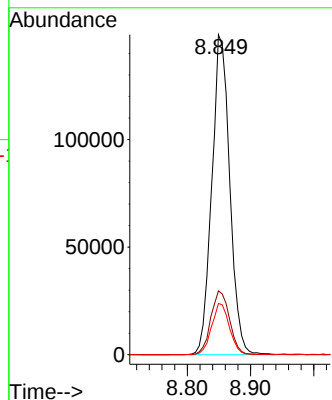
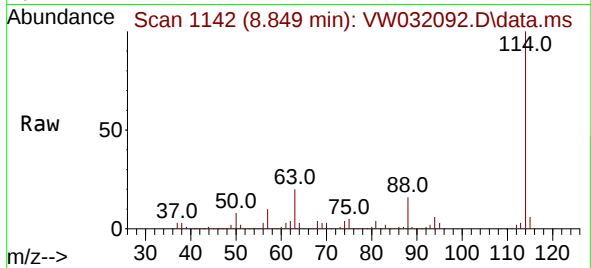




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

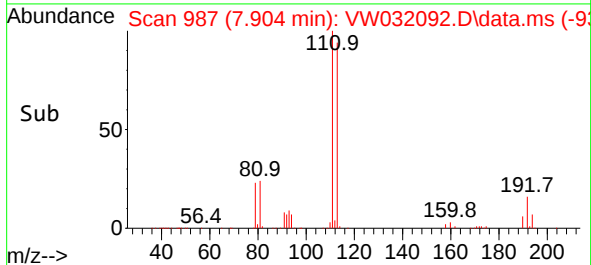
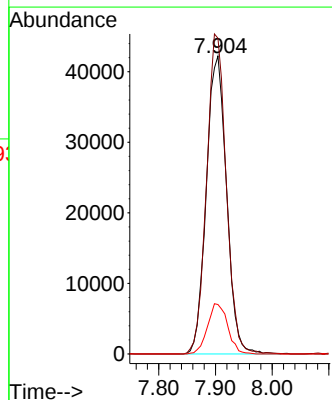
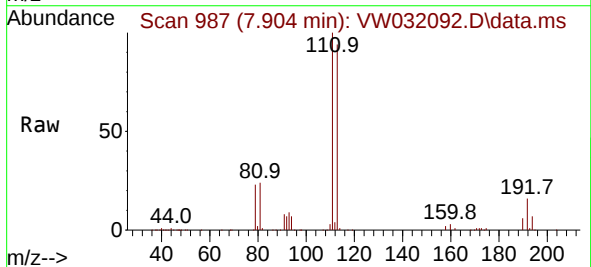
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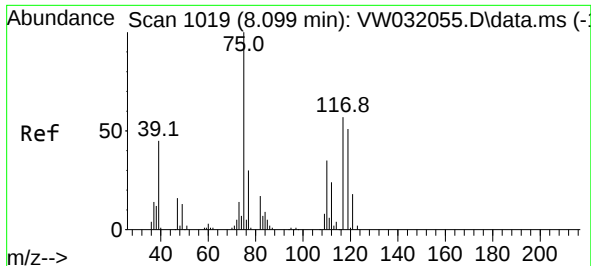
Tgt Ion:114 Resp: 293162
Ion Ratio Lower Upper
114 100
63 20.0 0.0 43.0
88 16.0 0.0 33.8



#35
Dibromofluoromethane
Concen: 55.334 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

Tgt Ion:113 Resp: 104800
Ion Ratio Lower Upper
113 100
111 104.3 80.1 120.1
192 16.8 13.1 19.7

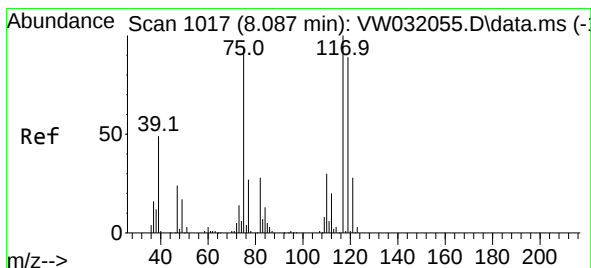
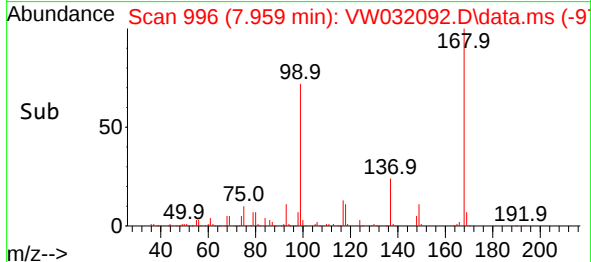
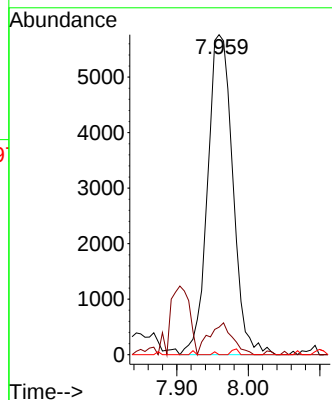
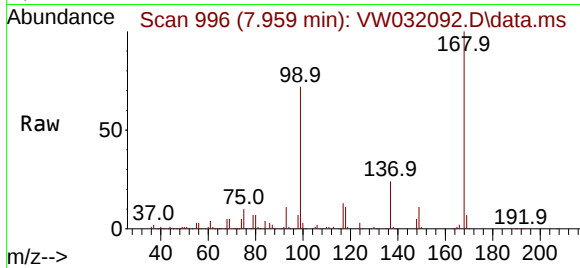




#36
 1,1-Dichloropropene
 Concen: 5.287 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032092.D
 Acq: 14 Aug 2025 14:39

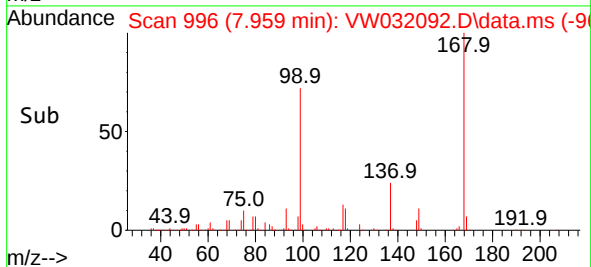
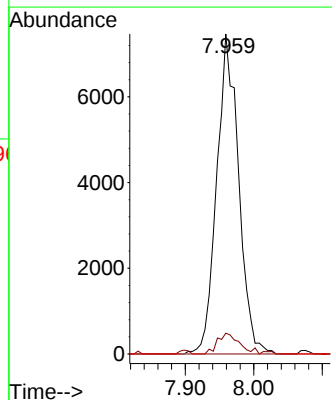
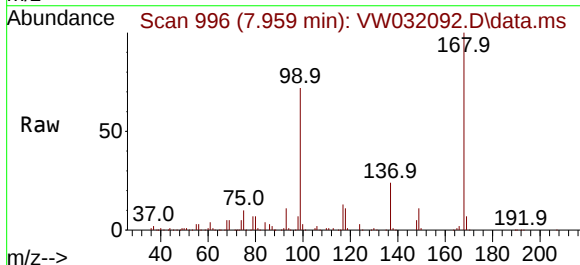
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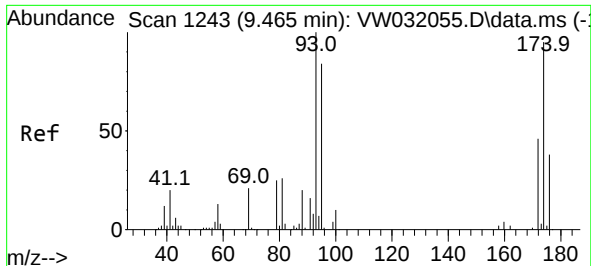
Tgt Ion: 75 Resp: 14115
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.4 52.2#
 77 0.1 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.415 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.128 min
 Lab File: VW032092.D
 Acq: 14 Aug 2025 14:39

Tgt Ion: 117 Resp: 16528
 Ion Ratio Lower Upper
 117 100
 119 6.5 71.4 107.2#
 121 0.0 22.3 33.5#





#49

1,4-Dioxane

Concen: 3.407 ug/l

RT: 9.428 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW032092.D

Acq: 14 Aug 2025 14:39

Instrument :

MSVOA_W

ClientSampleId :

705R-S

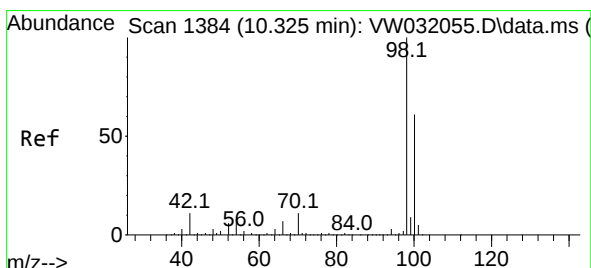
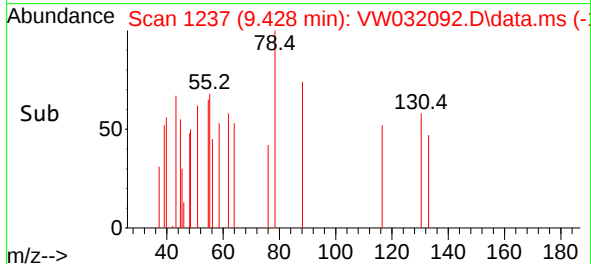
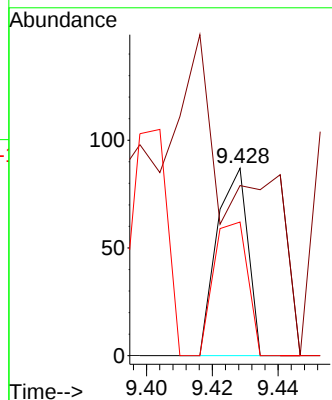
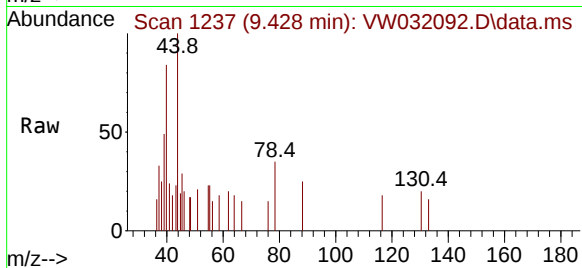
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 0.0 20.6 30.8#

58 77.2 60.4 90.6



#50

Toluene-d8

Concen: 48.657 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032092.D

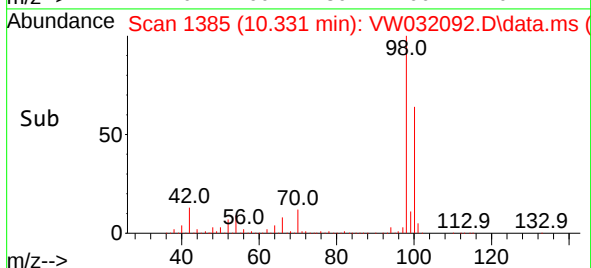
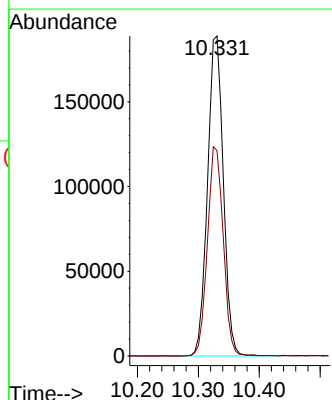
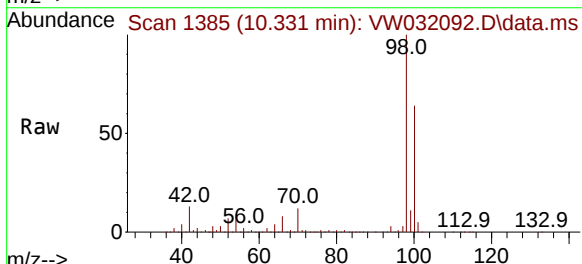
Acq: 14 Aug 2025 14:39

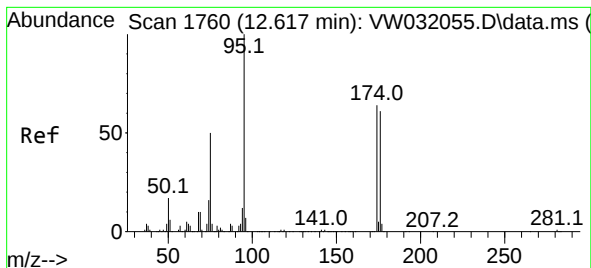
Tgt Ion: 98 Resp: 340851

Ion Ratio Lower Upper

98 100

100 65.5 51.1 76.7

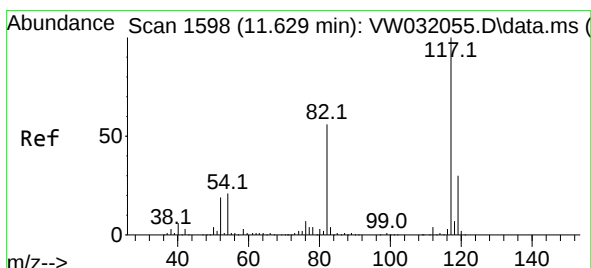
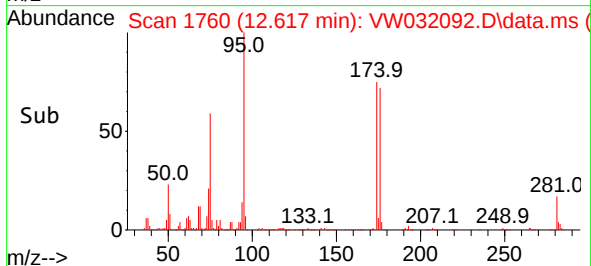
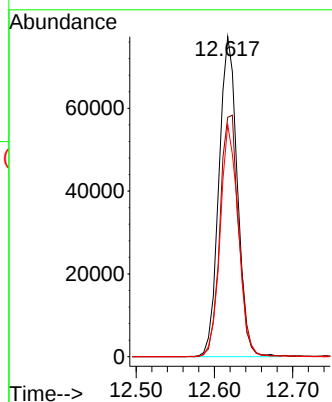
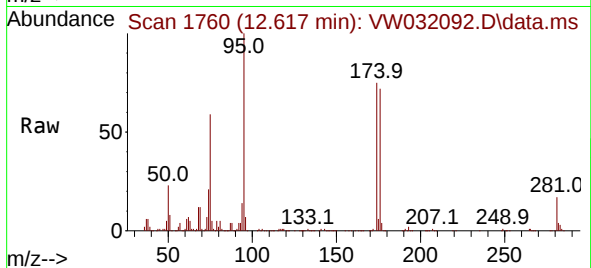




#62
4-Bromofluorobenzene
Concen: 48.840 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

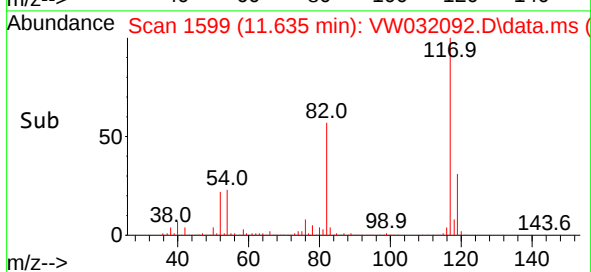
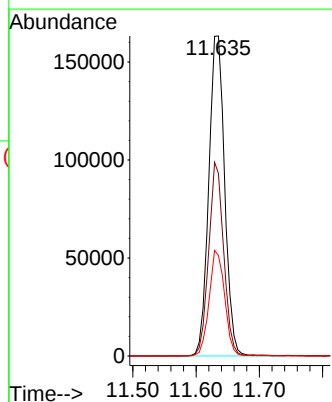
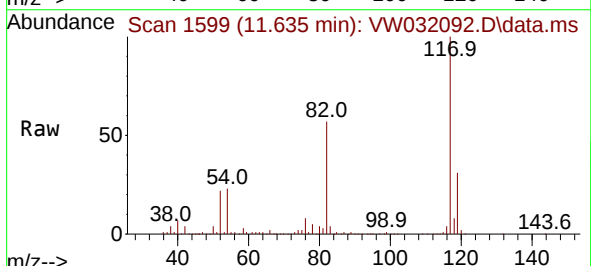
Instrument :
MSVOA_W
ClientSampleId :
705R-S

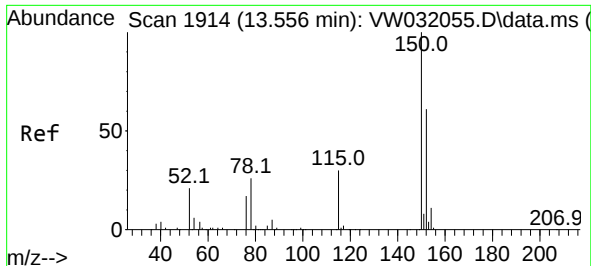
Tgt Ion: 95 Resp: 126079
Ion Ratio Lower Upper
95 100
174 77.2 0.0 129.0
176 71.5 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032092.D
Acq: 14 Aug 2025 14:39

Tgt Ion: 117 Resp: 286216
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 31.4 24.2 36.4

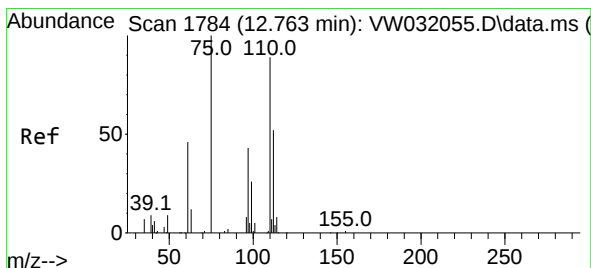
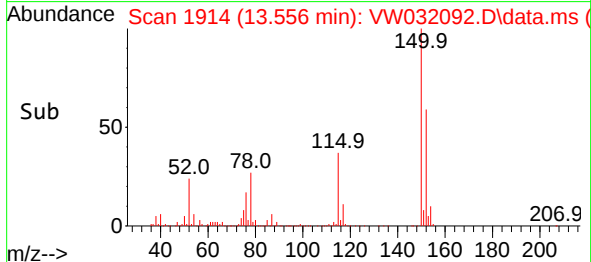
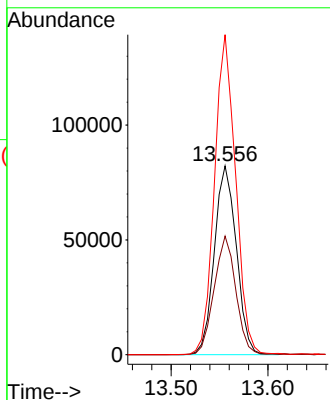
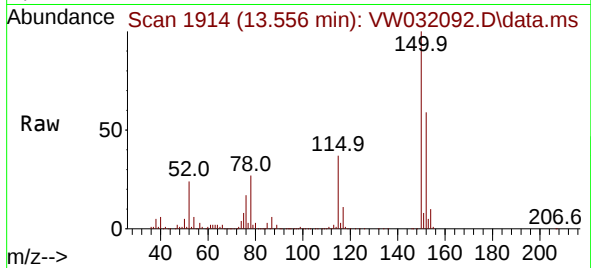




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032092.D
 Acq: 14 Aug 2025 14:39

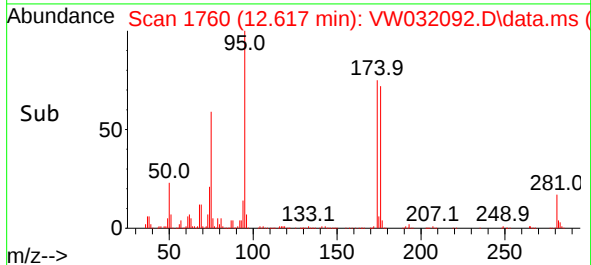
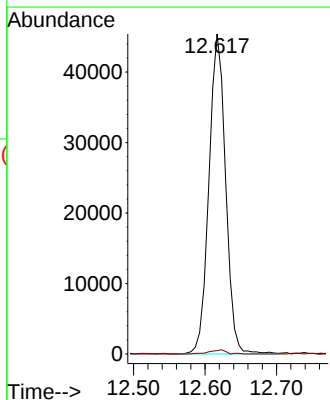
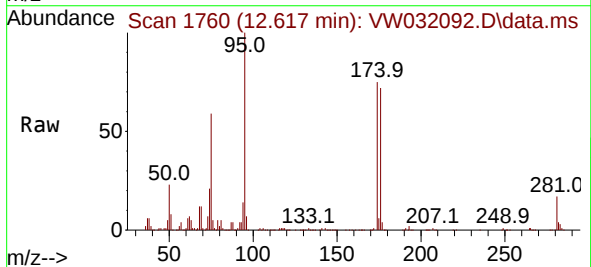
Instrument :
 MSVOA_W
 ClientSampleId :
 705R-S

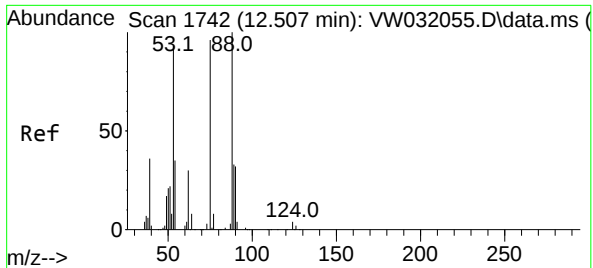
Tgt Ion:152 Resp: 129964
 Ion Ratio Lower Upper
 152 100
 115 62.2 32.6 97.8
 150 163.1 0.0 359.4



#76
 1,2,3-Trichloropropane
 Concen: 41.728 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032092.D
 Acq: 14 Aug 2025 14:39

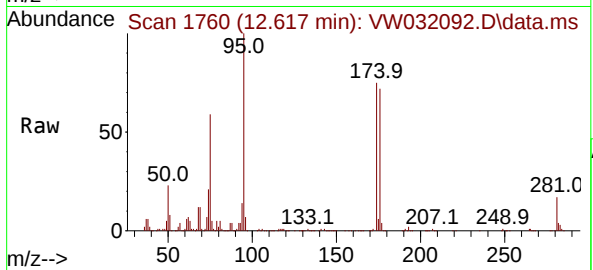
Tgt Ion: 75 Resp: 73605
 Ion Ratio Lower Upper
 75 100
 77 1.3 123.5 370.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.030 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032092.D
 Acq: 14 Aug 2025 14:39

Instrument :
 MSVOA_W
 ClientSampleId :
 705R-S



Tgt Ion:	75	Resp:	73605
Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.0	121.6#
89	0.6	37.3	55.9#

