

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031875.D
 Acq On : 16 Jul 2025 15:15
 Operator : SY/MD
 Sample : Q2622-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2819

Quant Time: Jul 17 04:04:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

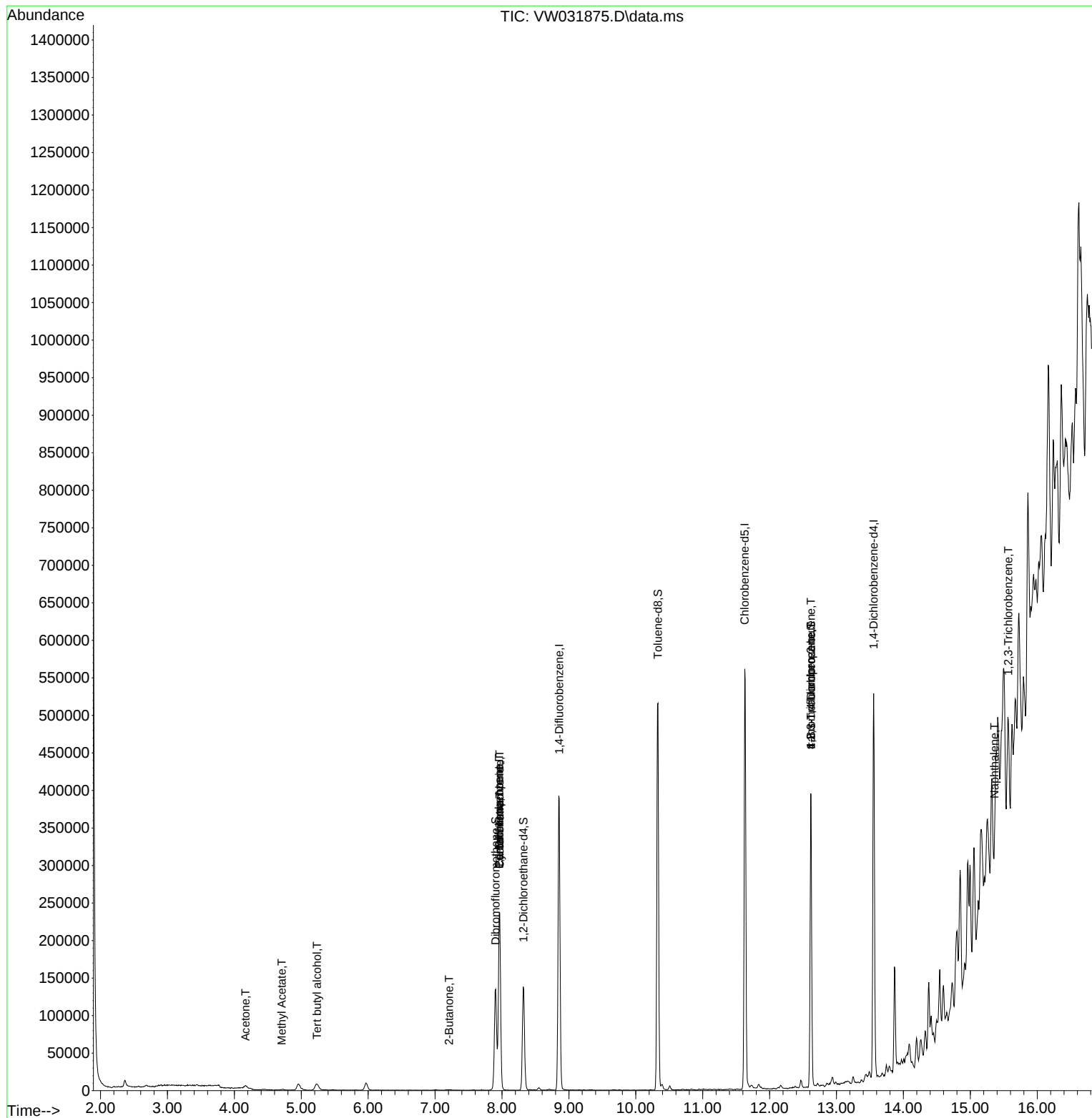
Internal Standards						
1) Pentafluorobenzene	7.959	168	159991	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	330788	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	303111	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	132629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	115304	50.218	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 100.440%		
35) Dibromofluoromethane	7.904	113	99624	46.154	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 92.300%		
50) Toluene-d8	10.331	98	355448	44.250	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 88.500%		
62) 4-Bromofluorobenzene	12.617	95	138356	46.804	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 93.600%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.234	59	15851	111.433	ug/l	# 82
16) Acetone	4.167	43	6375	11.233	ug/l	89
18) Methyl Acetate	4.710	43	2440	1.504	ug/l	# 82
20) Methylene Chloride	4.954	84	7072	Below Cal	#	85
25) 2-Butanone	7.209	43	1140	1.544	ug/l	# 46
31) Cyclohexane	7.965	56	4246	1.299	ug/l	# 1
36) 1,1-Dichloropropene	7.959	75	16280	5.212	ug/l	# 51
38) Carbon Tetrachloride	7.965	117	19599	6.158	ug/l	# 18
76) 1,2,3-Trichloropropane	12.617	75	72795	42.472	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	72795	98.925	ug/l	# 8
95) Naphthalene	15.360	128	36514	5.856	ug/l	# 92
96) 1,2,3-Trichlorobenzene	15.568	180	11110	4.754	ug/l	# 22

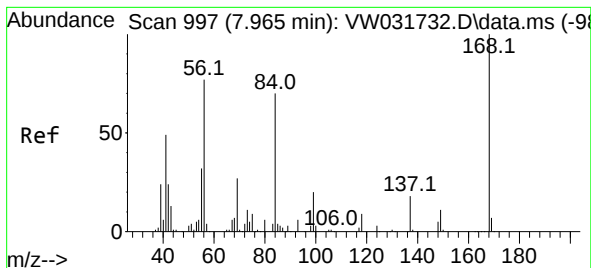
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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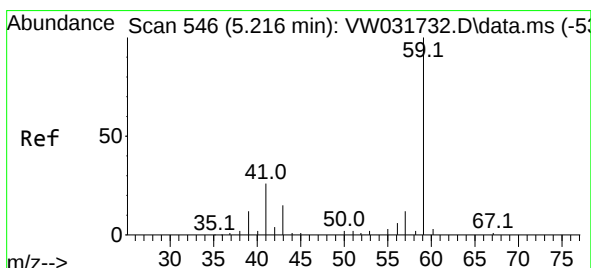
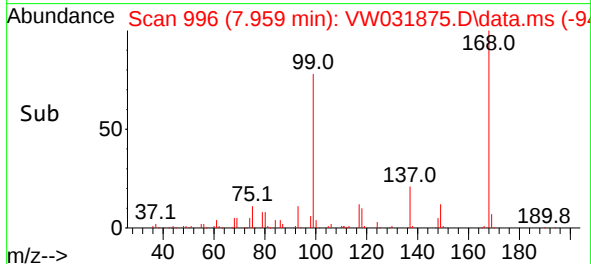
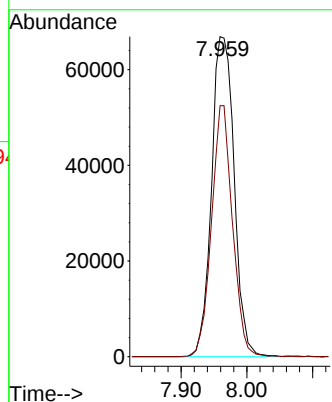
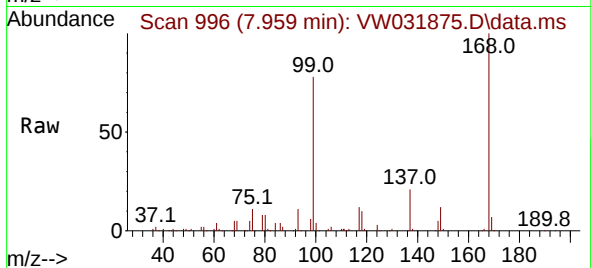




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031875.D
Acq: 16 Jul 2025 15:15

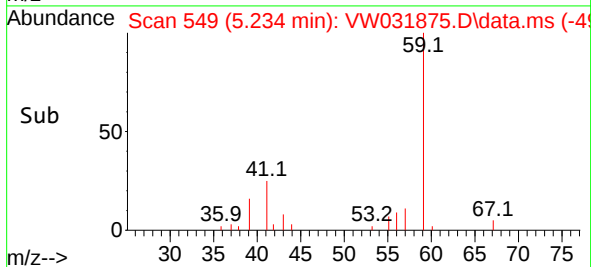
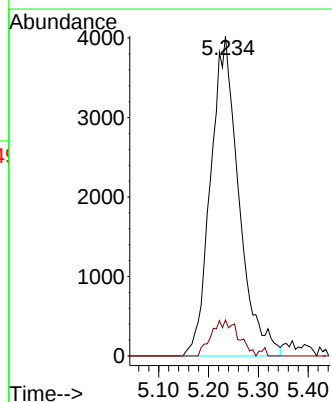
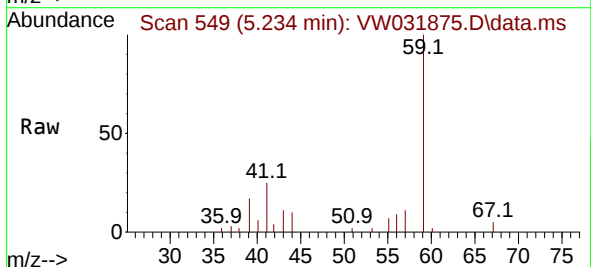
Instrument :
MSVOA_W
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2819

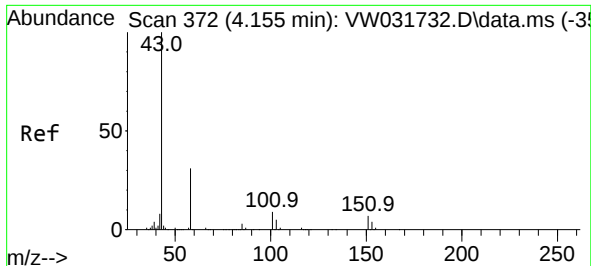
Tgt Ion:168 Resp: 159991
Ion Ratio Lower Upper
168 100
99 78.4 49.4 74.2#



#11
Tert butyl alcohol
Concen: 111.433 ug/l
RT: 5.234 min Scan# 549
Delta R.T. 0.018 min
Lab File: VW031875.D
Acq: 16 Jul 2025 15:15

Tgt Ion: 59 Resp: 15851
Ion Ratio Lower Upper
59 100
57 4.9 9.5 14.3#

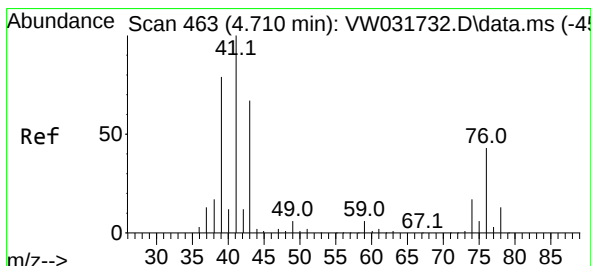
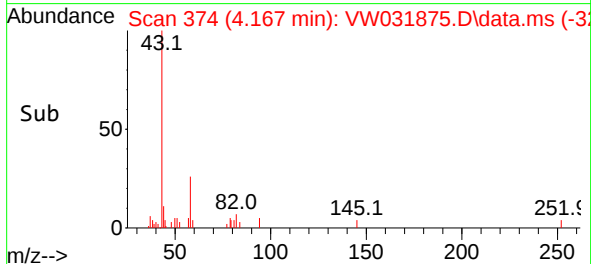
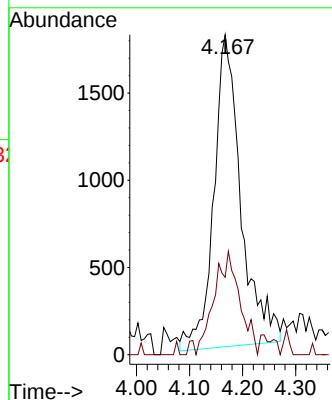
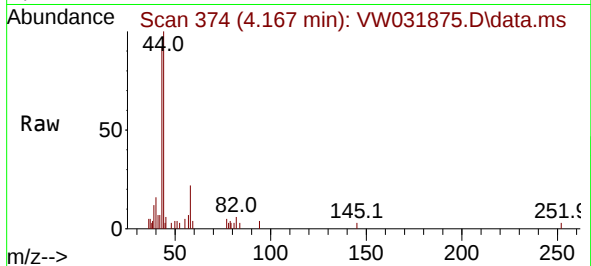




#16
Acetone
Concen: 11.233 ug/l
RT: 4.167 min Scan# 372
Delta R.T. 0.012 min
Lab File: VW031875.D
Acq: 16 Jul 2025 15:15

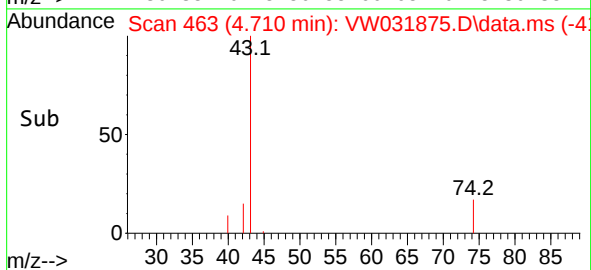
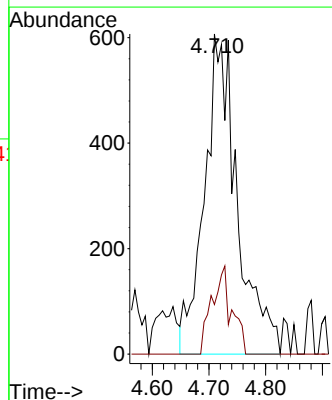
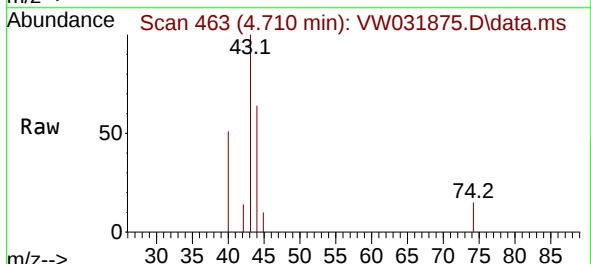
Instrument :
MSVOA_W
ClientSampleId :
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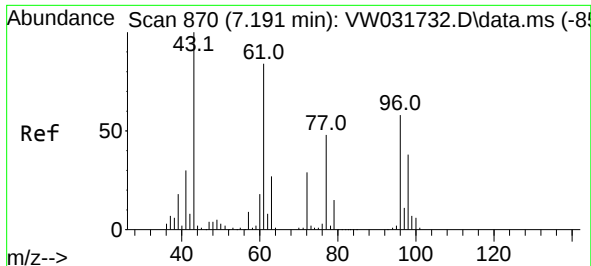
Tgt Ion: 43 Resp: 6375
Ion Ratio Lower Upper
43 100
58 25.2 24.8 37.2



#18
Methyl Acetate
Concen: 1.504 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031875.D
Acq: 16 Jul 2025 15:15

Tgt Ion: 43 Resp: 2440
Ion Ratio Lower Upper
43 100
74 16.6 20.6 30.8#

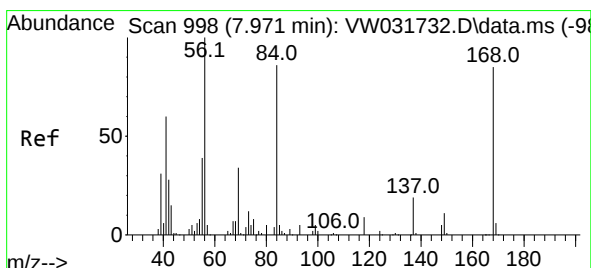
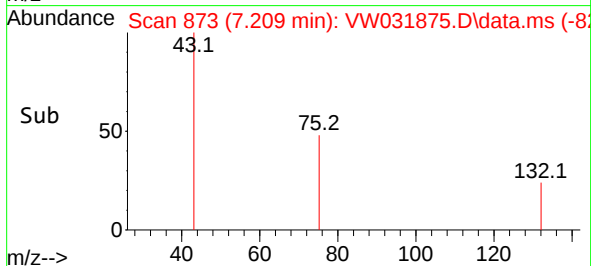
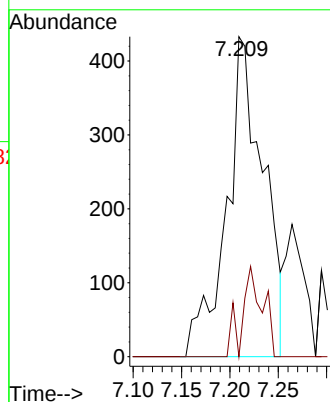
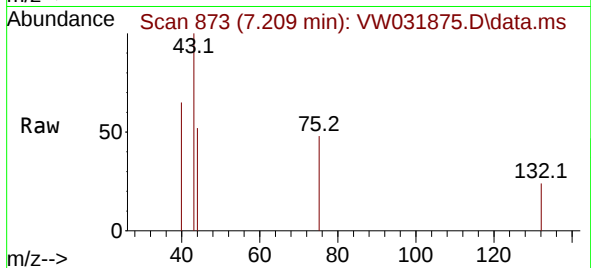




#25
2-Butanone
Concen: 1.544 ug/l
RT: 7.209 min Scan# 81
Delta R.T. 0.018 min
Lab File: VW031875.D
Acq: 16 Jul 2025 15:15

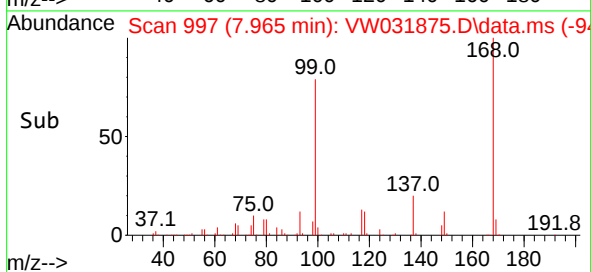
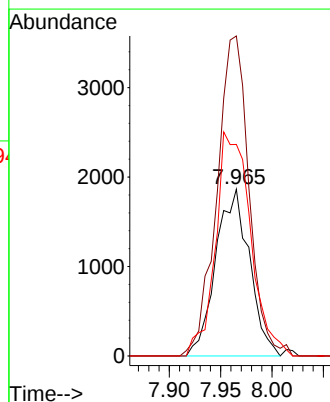
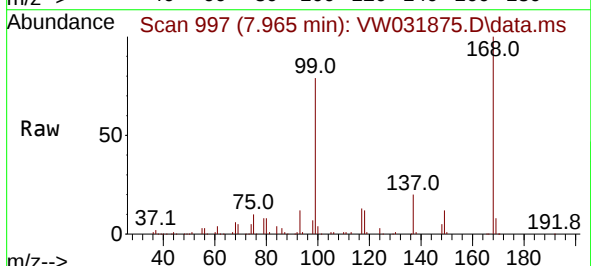
Instrument :
MSVOA_W
ClientSampleId :
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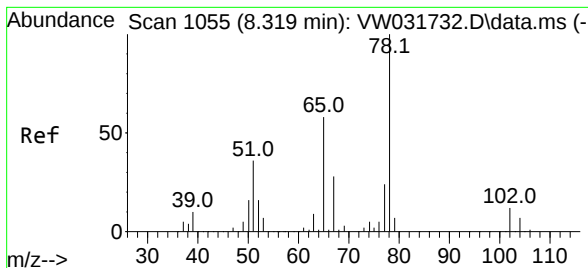
Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#31
Cyclohexane
Concen: 1.299 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031875.D
Acq: 16 Jul 2025 15:15

Tgt Ion: 56 Resp: 4246
Ion Ratio Lower Upper
56 100
69 192.0 27.2 40.8#
84 126.9 68.5 102.7#

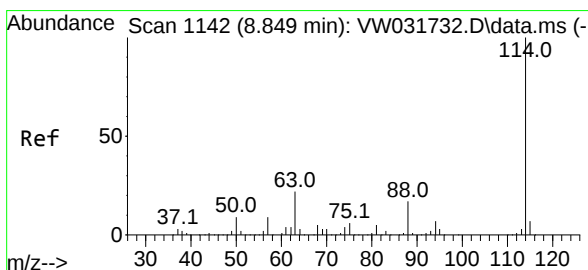
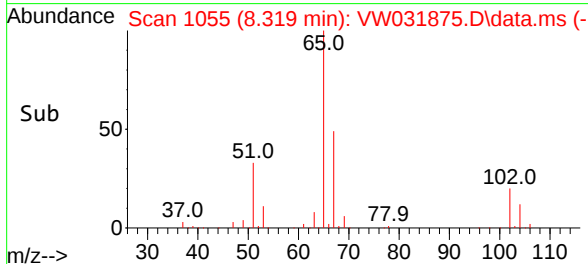
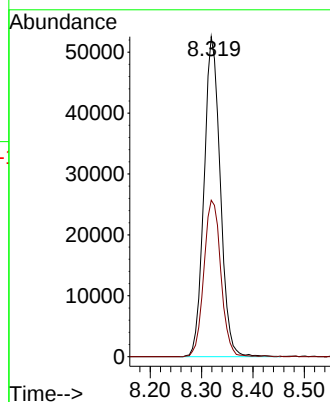
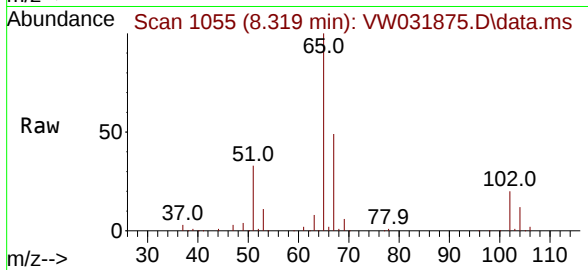




#33
 1,2-Dichloroethane-d4
 Concen: 50.218 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031875.D
 Acq: 16 Jul 2025 15:15

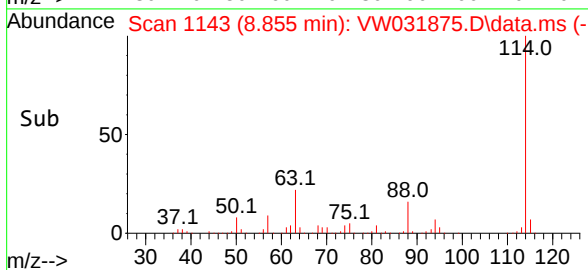
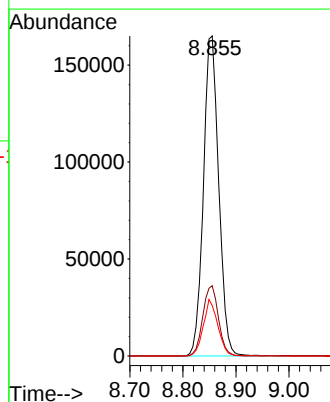
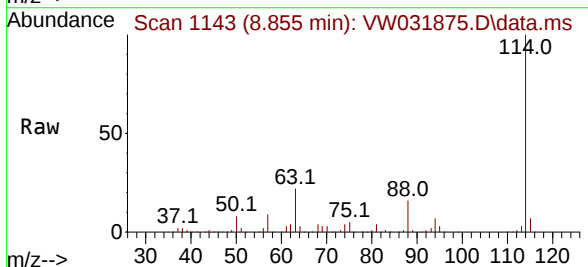
Instrument :
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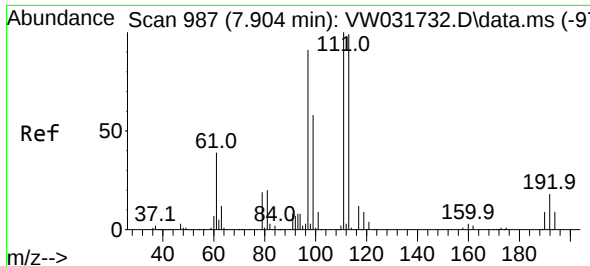
Tgt Ion: 65 Resp: 115304
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW031875.D
 Acq: 16 Jul 2025 15:15

Tgt Ion: 114 Resp: 330788
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.6
 88 15.7 0.0 34.2

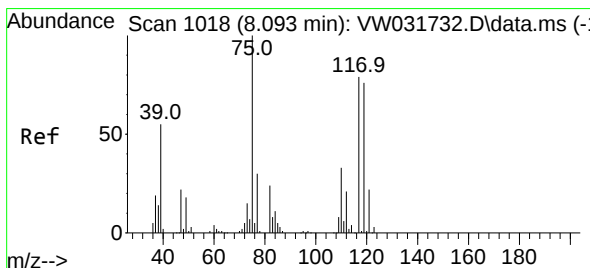
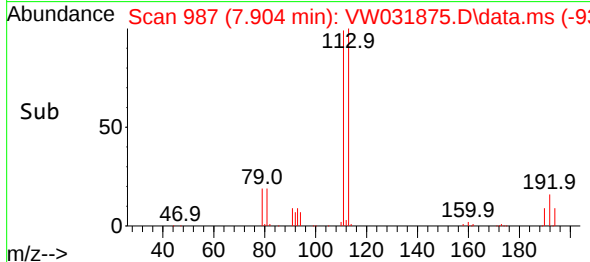
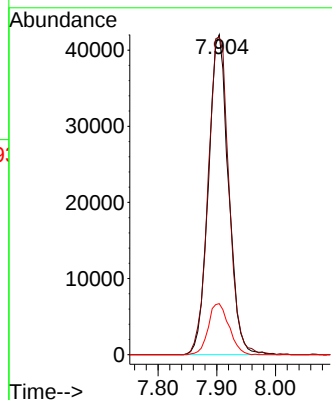
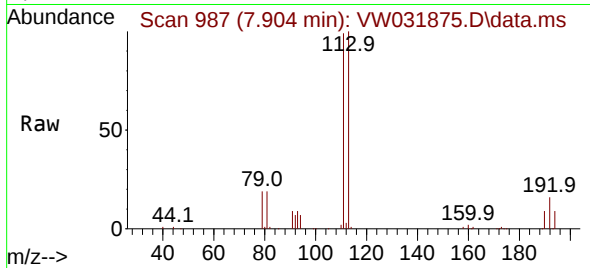




#35
 Dibromofluoromethane
 Concen: 46.154 ug/l
 RT: 7.904 min Scan# 919
 Delta R.T. 0.000 min
 Lab File: VW031875.D
 Acq: 16 Jul 2025 15:15

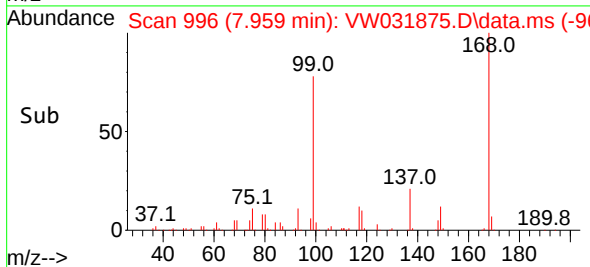
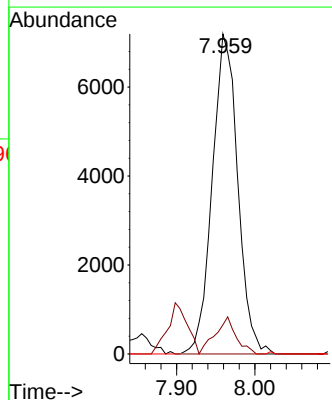
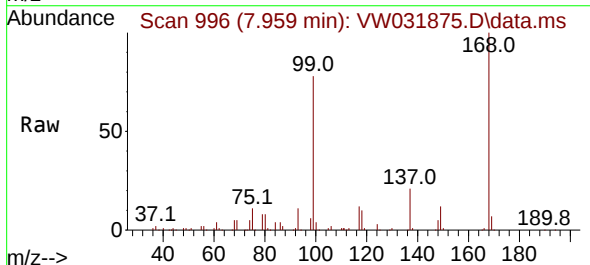
Instrument :
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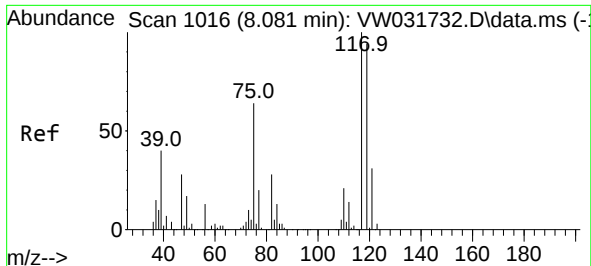
Tgt Ion:113	Resp:	99624	
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.1	123.1
192	16.5	13.8	20.6



#36
 1,1-Dichloropropene
 Concen: 5.212 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW031875.D
 Acq: 16 Jul 2025 15:15

Tgt Ion: 75	Resp:	16280	
Ion Ratio	Lower	Upper	
75 100			
110 9.5	16.8	50.4#	
77 0.0	25.0	37.6#	

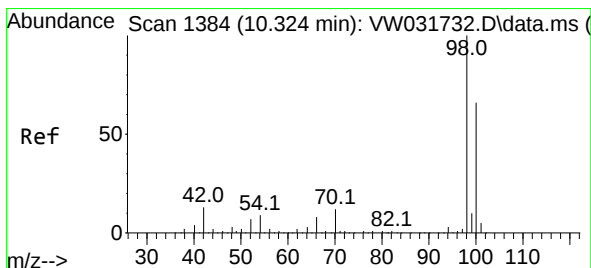
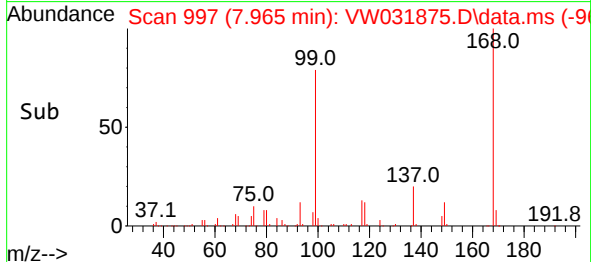
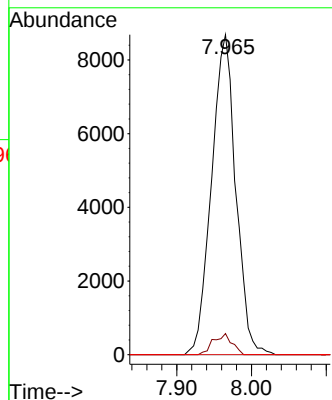
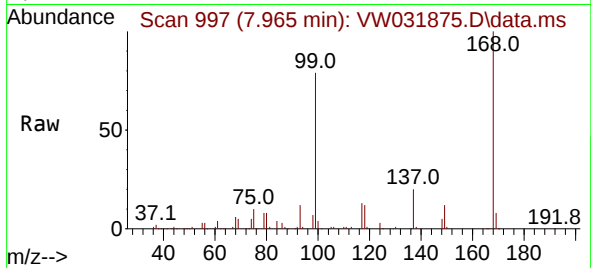




#38
Carbon Tetrachloride
Concen: 6.158 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW031875.D
Acq: 16 Jul 2025 15:15

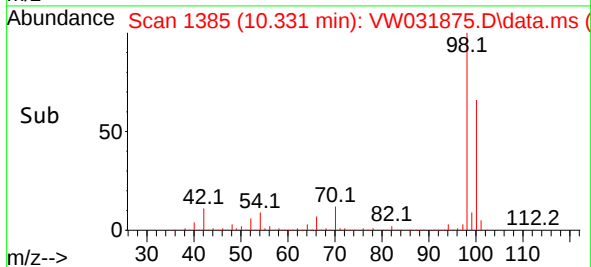
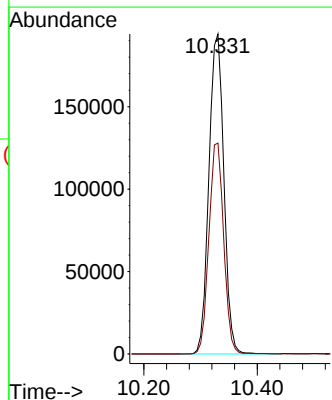
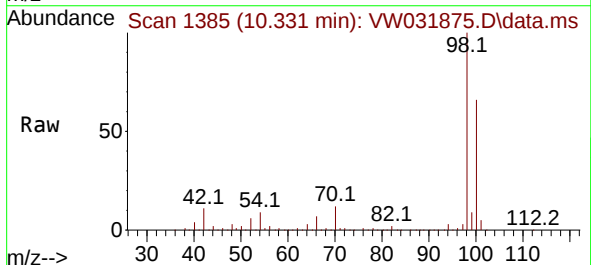
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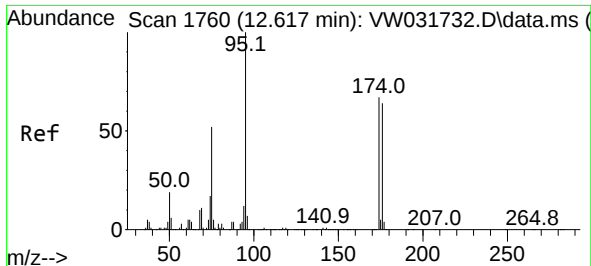
Tgt Ion:117 Resp: 19599
Ion Ratio Lower Upper
117 100
119 6.6 75.0 112.6#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 44.250 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031875.D
Acq: 16 Jul 2025 15:15

Tgt Ion: 98 Resp: 355448
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4

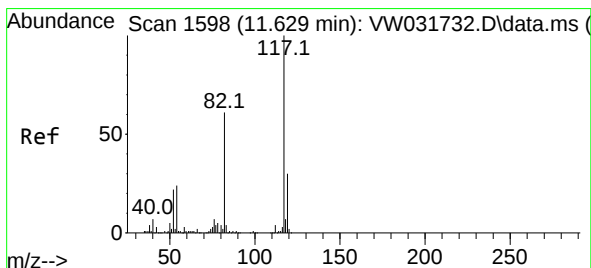
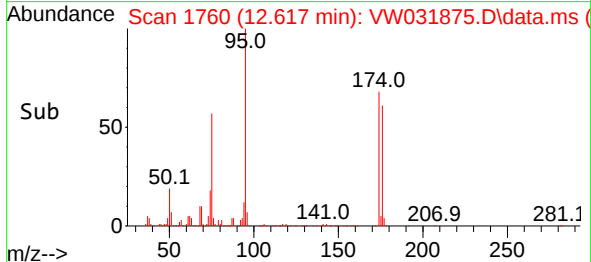
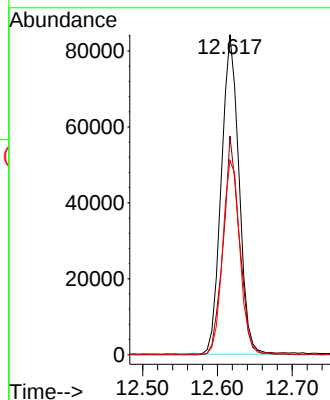
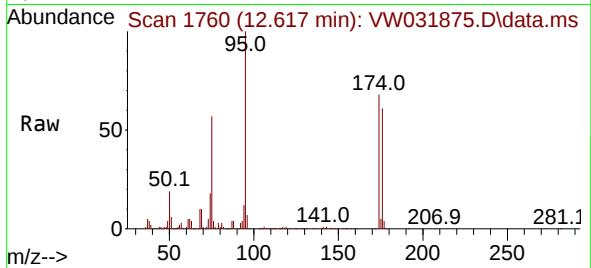




#62
4-Bromofluorobenzene
Concen: 46.804 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031875.D
Acq: 16 Jul 2025 15:15

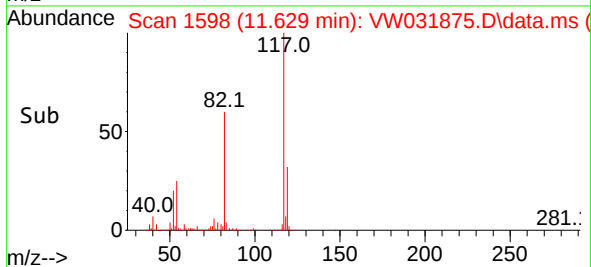
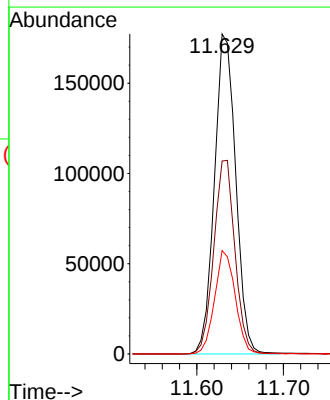
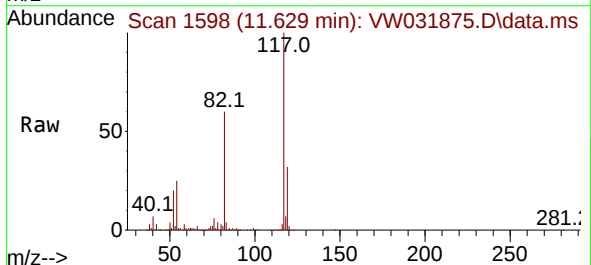
Instrument :
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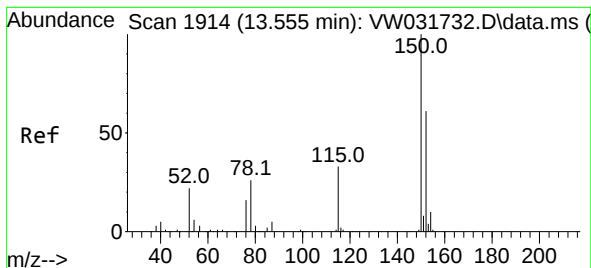
Tgt Ion: 95 Resp: 138356
Ion Ratio Lower Upper
95 100
174 62.7 0.0 133.8
176 59.8 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW031875.D
Acq: 16 Jul 2025 15:15

Tgt Ion: 117 Resp: 303111
Ion Ratio Lower Upper
117 100
82 60.3 48.6 72.8
119 32.3 23.9 35.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031875.D

Acq: 16 Jul 2025 15:15

Instrument :

MSVOA_W

ClientSampleId :

2819

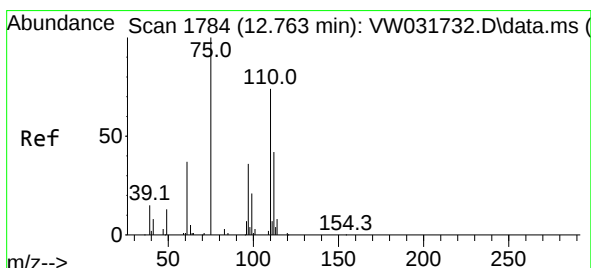
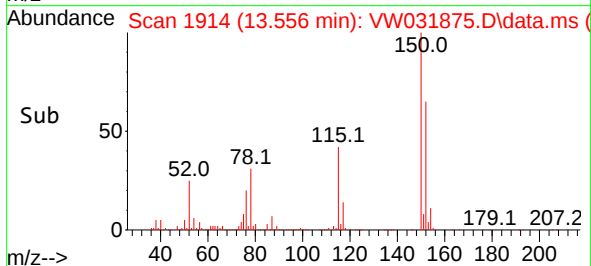
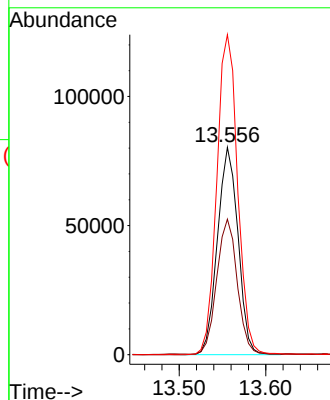
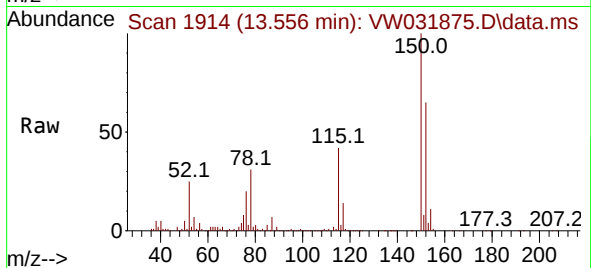
Tgt Ion:152 Resp: 132629

Ion Ratio Lower Upper

152 100

115 64.6 31.9 95.7

150 156.3 0.0 356.4



#76

1,2,3-Trichloropropane

Concen: 42.472 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW031875.D

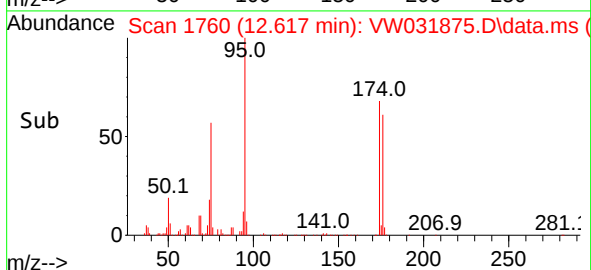
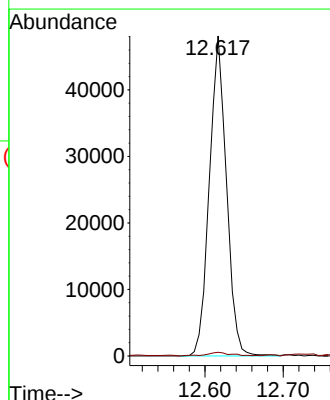
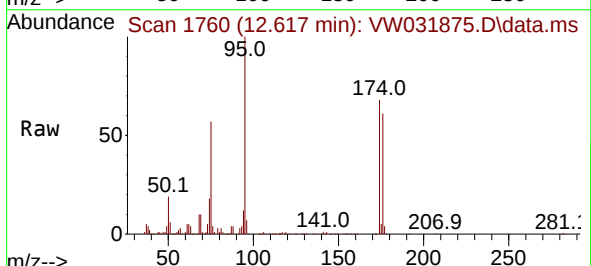
Acq: 16 Jul 2025 15:15

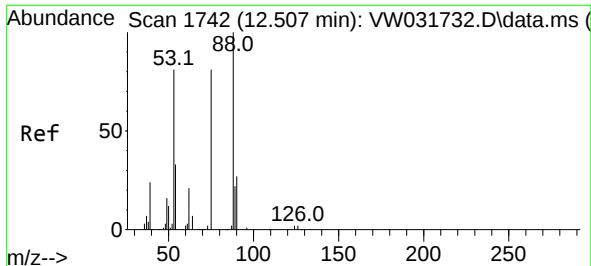
Tgt Ion: 75 Resp: 72795

Ion Ratio Lower Upper

75 100

77 1.7 141.2 423.6#

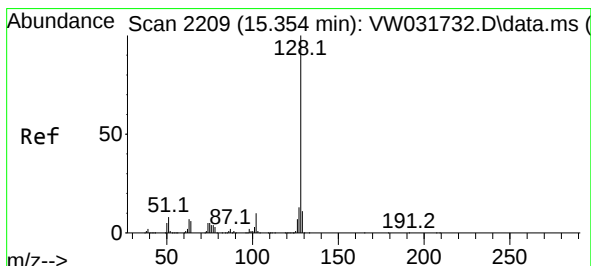
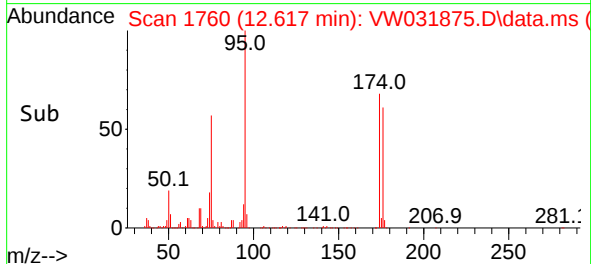
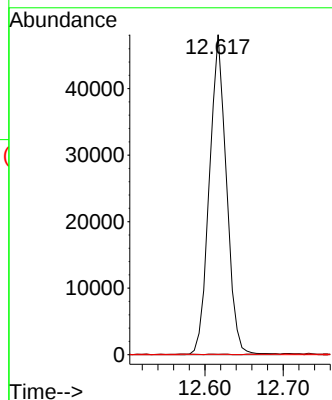
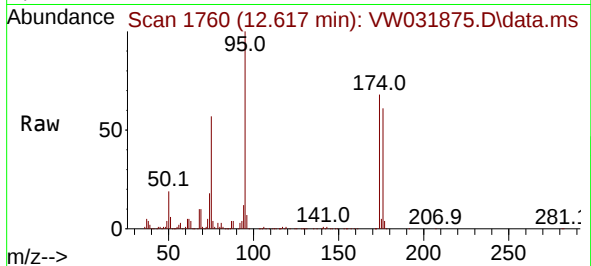




#81
trans-1,4-Dichloro-2-butene
Concen: 98.925 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031875.D
Acq: 16 Jul 2025 15:15

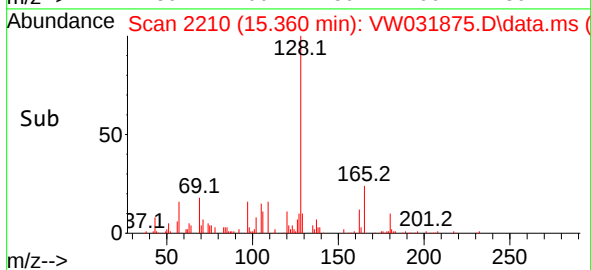
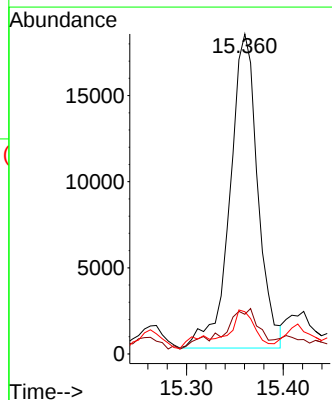
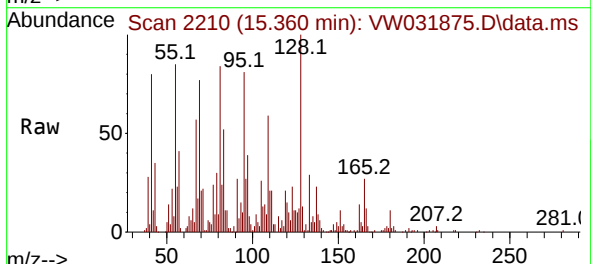
Instrument :
MSVOA_W
ClientSampleId :
2819

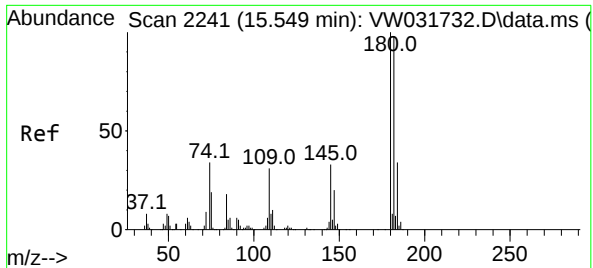
Tgt Ion: 75 Resp: 72795
Ion Ratio Lower Upper
75 100
53 0.2 83.5 125.3#
89 0.0 38.3 57.5#



#95
Naphthalene
Concen: 5.856 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW031875.D
Acq: 16 Jul 2025 15:15

Tgt Ion:128 Resp: 36514
Ion Ratio Lower Upper
128 100
127 17.0 10.8 16.2#
129 7.9 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.754 ug/l
 RT: 15.568 min Scan# 211
 Delta R.T. 0.018 min
 Lab File: VW031875.D
 Acq: 16 Jul 2025 15:15

Instrument :
 MSVOA_W
 ClientSampleId :
 2819

Tgt Ion:180	Resp:	11110
Ion Ratio	Lower	Upper
180	100	
182	11.6	46.4 139.1#
145	0.0	17.8 53.3#

