

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072825\
 Data File : VW031943.D
 Acq On : 28 Jul 2025 14:17
 Operator : SY/MD
 Sample : Q2706-01
 Misc : 3.81g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-5417

Quant Time: Jul 29 01:20:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

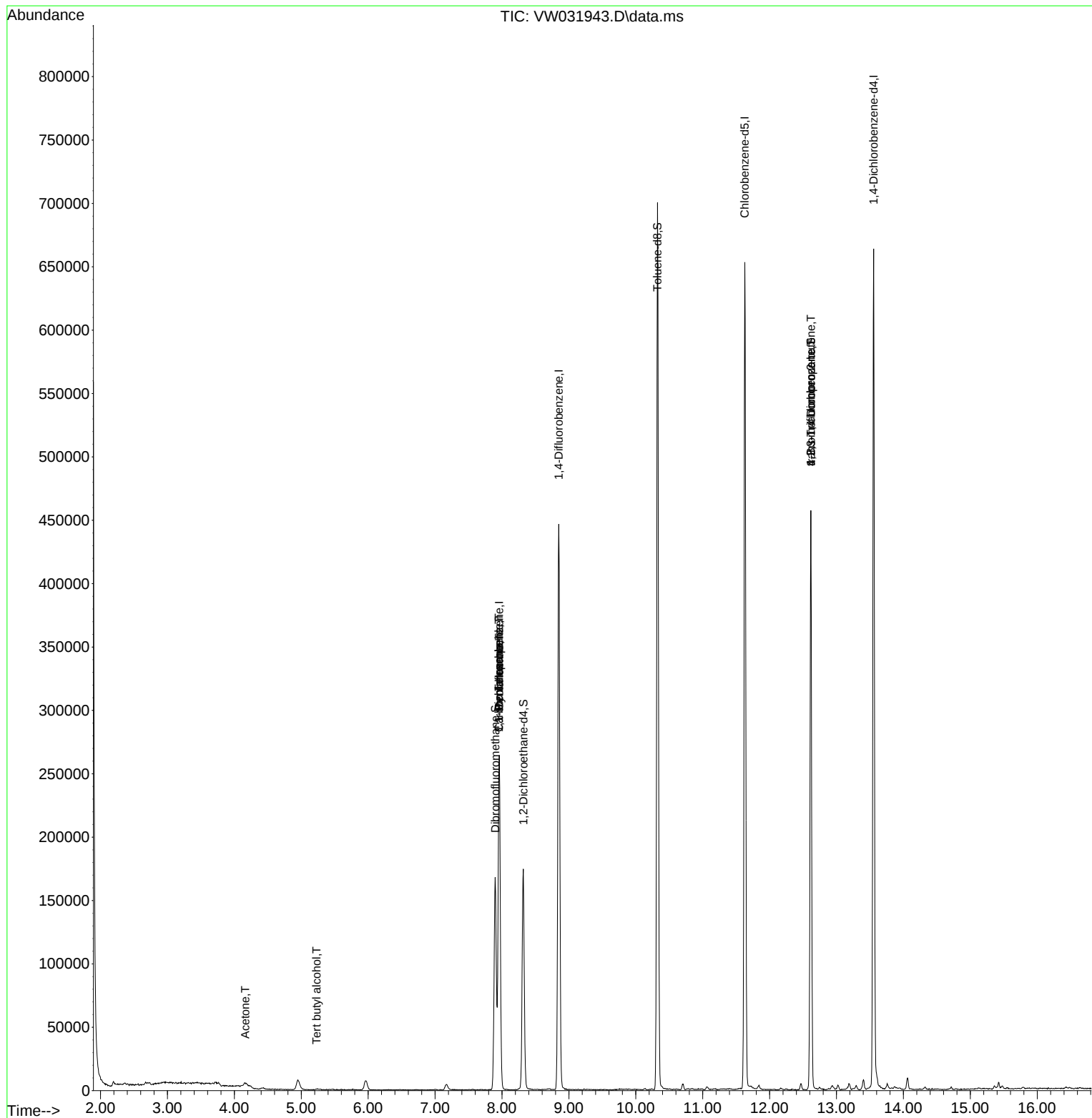
Internal Standards						
1) Pentafluorobenzene	7.959	168	180350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	382354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	354416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	162661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	142163	52.108	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 104.220%		
35) Dibromofluoromethane	7.898	113	122308	47.075	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 94.160%		
50) Toluene-d8	10.325	98	464161	47.204	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 94.400%		
62) 4-Bromofluorobenzene	12.617	95	163999	43.435	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 86.860%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	180	1.122	ug/l #	72
13) Acrolein	3.930	56	176	Below Cal	#	49
16) Acetone	4.161	43	6199	9.575	ug/l	98
20) Methylene Chloride	4.948	84	6559	Below Cal		91
31) Cyclohexane	7.959	56	4648	1.111	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	17561	4.401	ug/l #	50
38) Carbon Tetrachloride	7.953	117	21234	5.545	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	83594	37.223	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	83594	85.937	ug/l #	8

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

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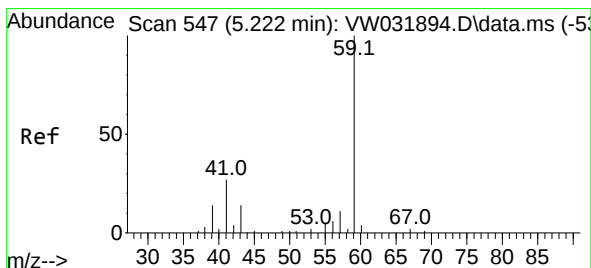
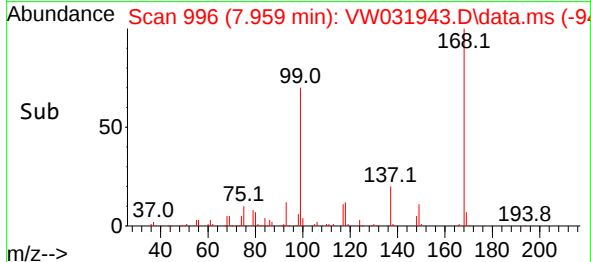
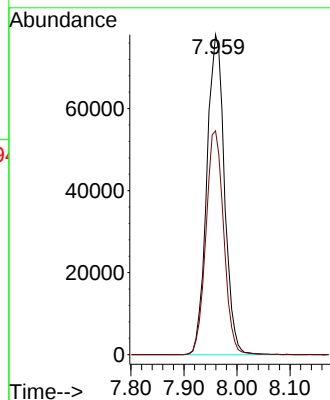
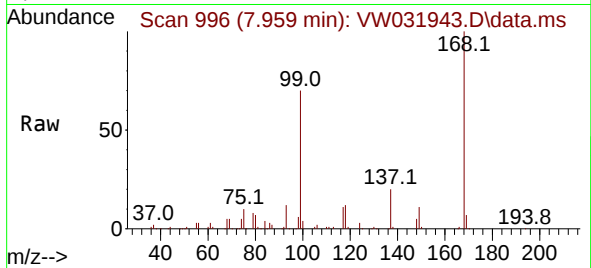




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031943.D
Acq: 28 Jul 2025 14:17

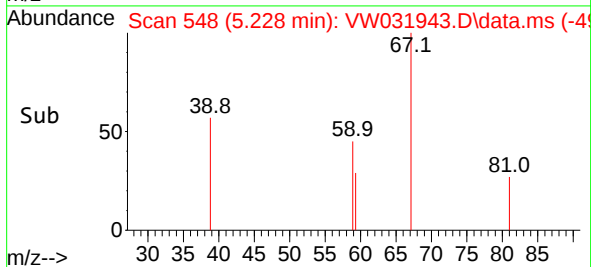
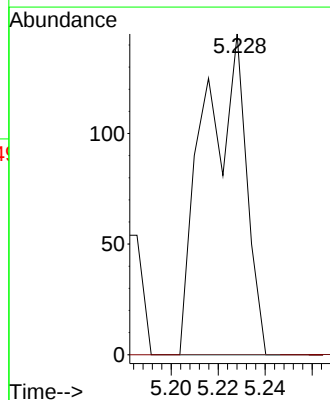
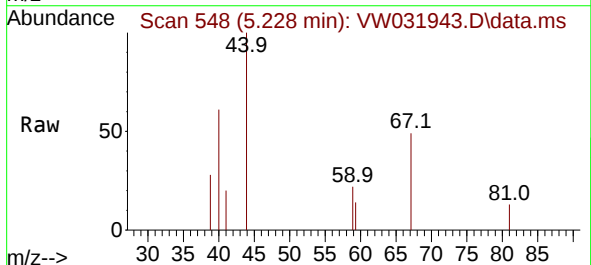
Instrument :
MSVOA_W
ClientSampleId :
RT-5417

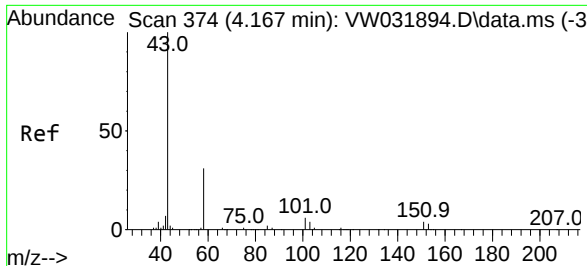
Tgt Ion:168 Resp: 180350
Ion Ratio Lower Upper
168 100
99 69.9 48.2 72.2



#11
Tert butyl alcohol
Concen: 1.122 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW031943.D
Acq: 28 Jul 2025 14:17

Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

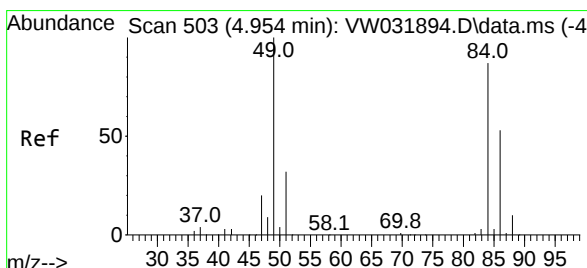
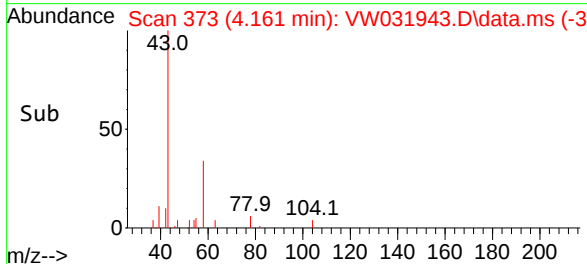
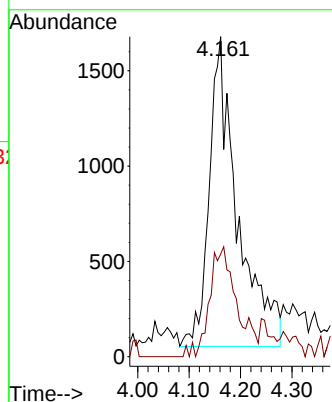
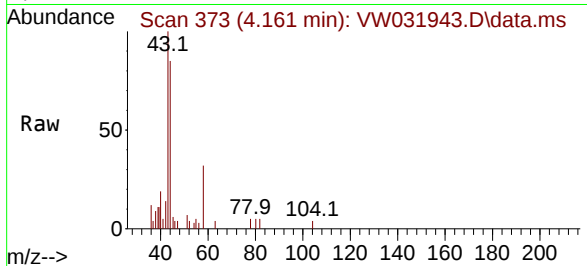




#16
Acetone
Concen: 9.575 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW031943.D
Acq: 28 Jul 2025 14:17

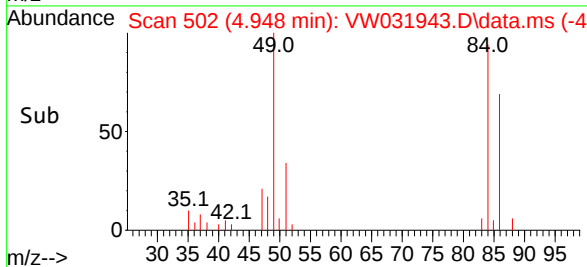
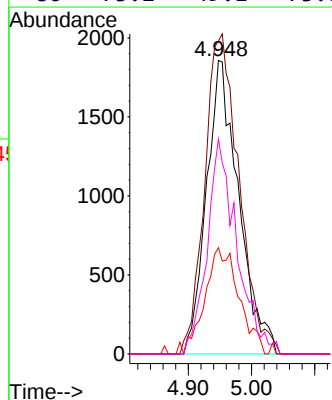
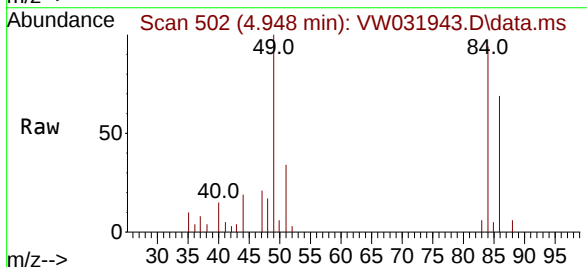
Instrument :
MSVOA_W
ClientSampleId :
RT-5417

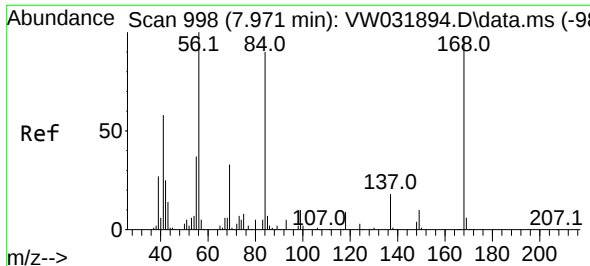
Tgt Ion: 43 Resp: 6199
Ion Ratio Lower Upper
43 100
58 33.2 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031943.D
Acq: 28 Jul 2025 14:17

Tgt Ion: 84 Resp: 6559
Ion Ratio Lower Upper
84 100
49 106.6 91.9 137.9
51 36.2 29.0 43.6
86 73.2 49.1 73.7

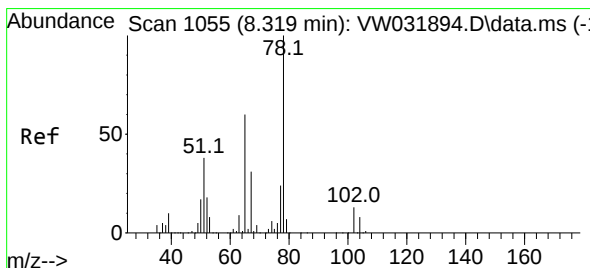
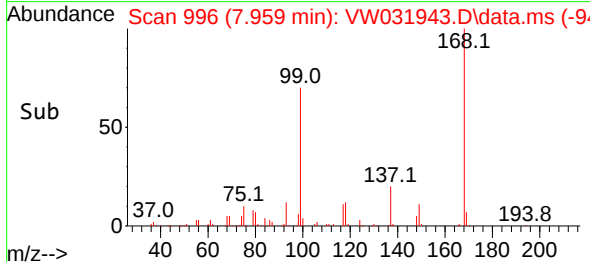
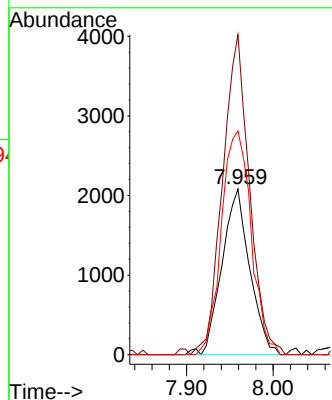
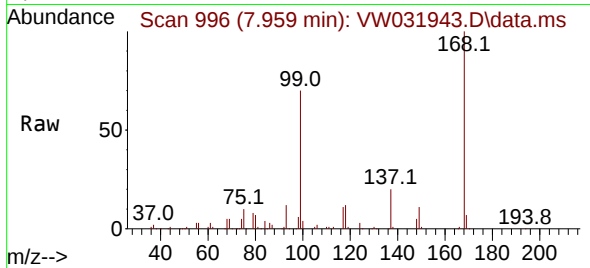




#31
Cyclohexane
Concen: 1.111 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031943.D
Acq: 28 Jul 2025 14:17

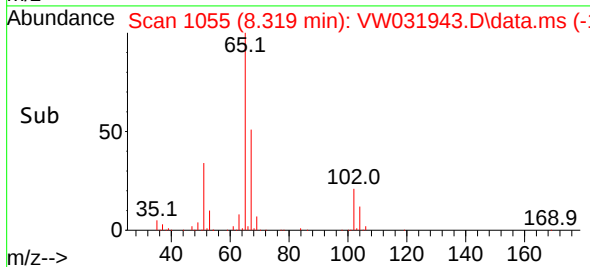
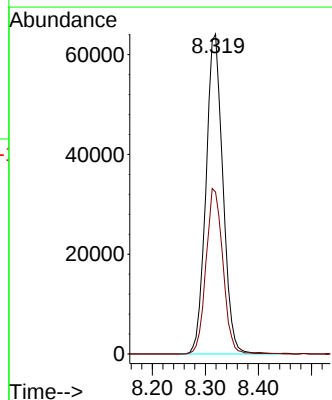
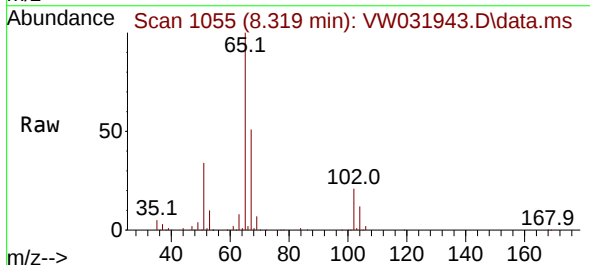
Instrument :
MSVOA_W
ClientSampleId :
RT-5417

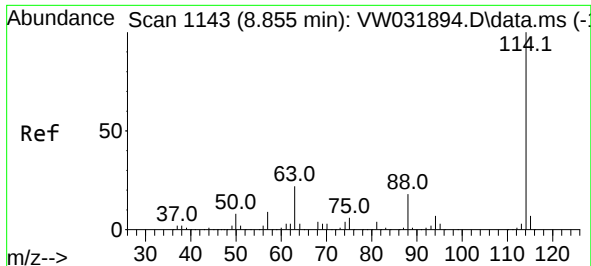
Tgt Ion: 56 Resp: 4648
Ion Ratio Lower Upper
56 100
69 189.8 26.7 40.1#
84 135.0 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 52.108 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031943.D
Acq: 28 Jul 2025 14:17

Tgt Ion: 65 Resp: 142163
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW031943.D

Acq: 28 Jul 2025 14:17

Instrument :

MSVOA_W

ClientSampleId :

RT-5417

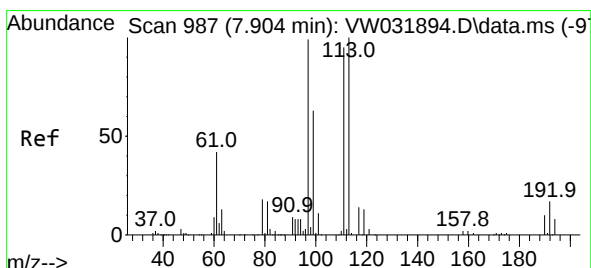
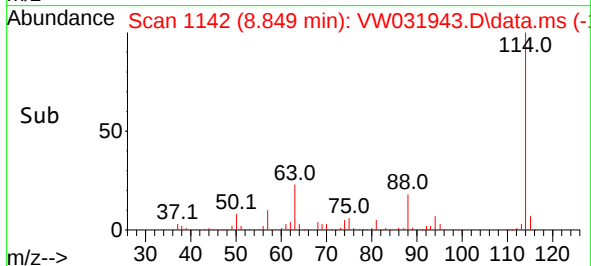
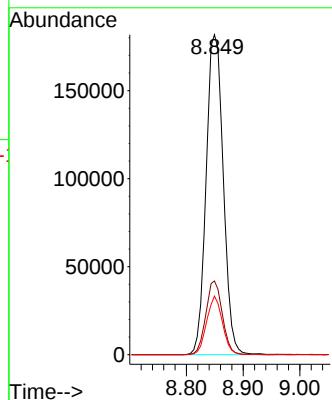
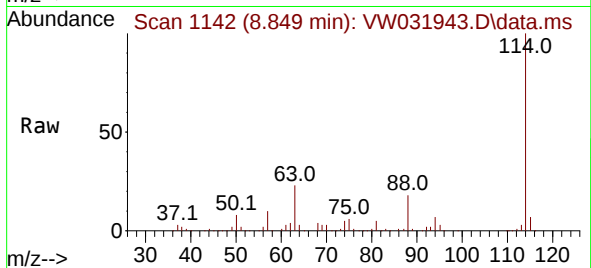
Tgt Ion:114 Resp: 382354

Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.2

88 18.3 0.0 35.6



#35

Dibromofluoromethane

Concen: 47.075 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031943.D

Acq: 28 Jul 2025 14:17

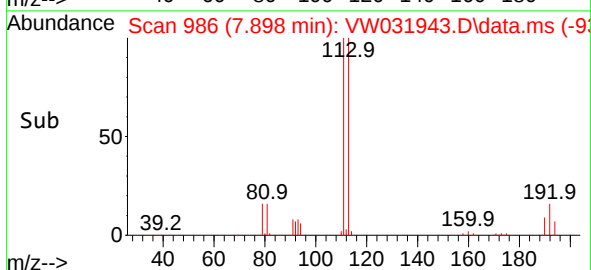
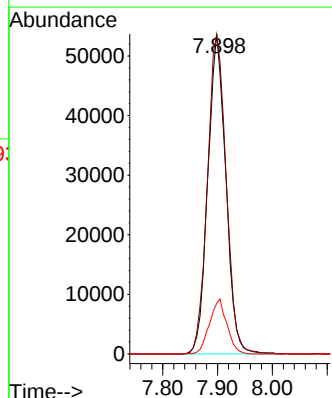
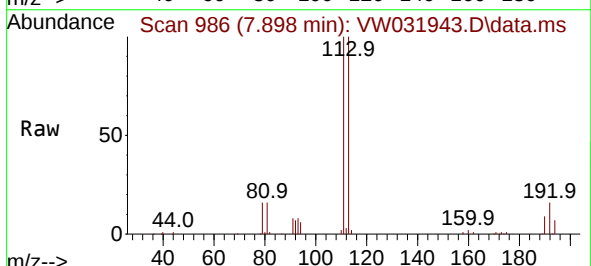
Tgt Ion:113 Resp: 122308

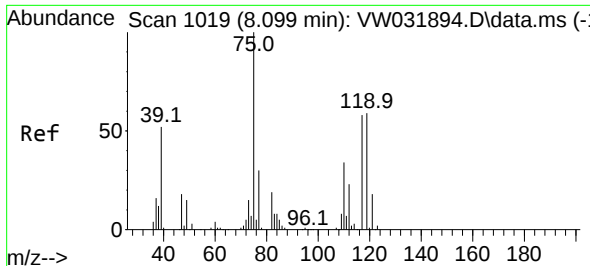
Ion Ratio Lower Upper

113 100

111 104.0 79.9 119.9

192 16.6 12.6 19.0





#36

1,1-Dichloropropene

Concen: 4.401 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.146 min

Lab File: VW031943.D

Acq: 28 Jul 2025 14:17

Instrument :

MSVOA_W

ClientSampleId :

RT-5417

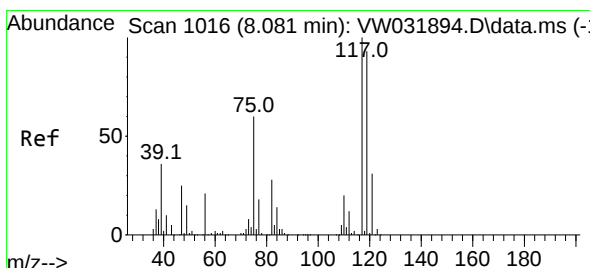
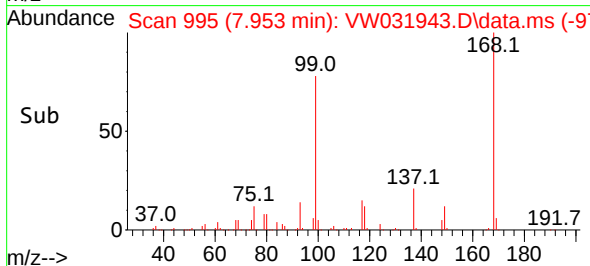
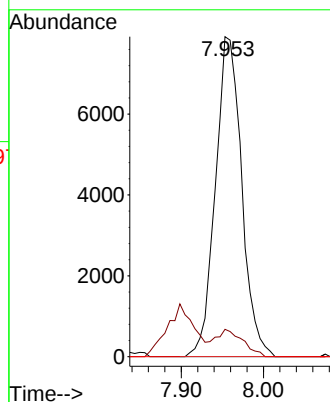
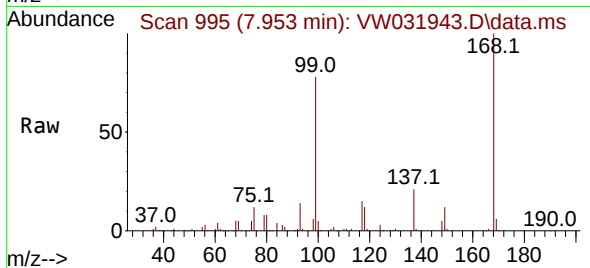
Tgt Ion: 75 Resp: 17561

Ion Ratio Lower Upper

75 100

110 8.5 17.0 50.9#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.545 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.128 min

Lab File: VW031943.D

Acq: 28 Jul 2025 14:17

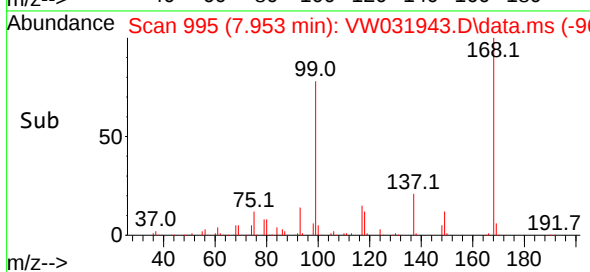
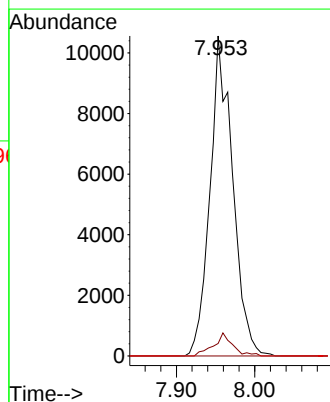
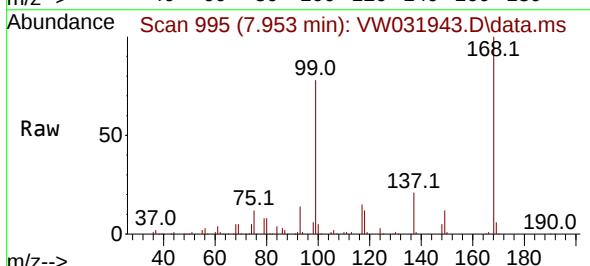
Tgt Ion: 117 Resp: 21234

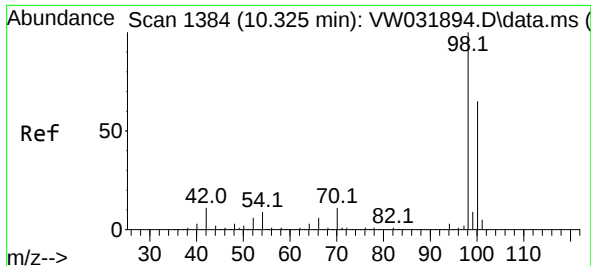
Ion Ratio Lower Upper

117 100

119 3.9 74.3 111.5#

121 0.0 24.6 37.0#

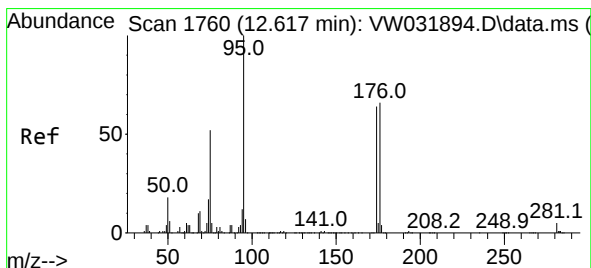
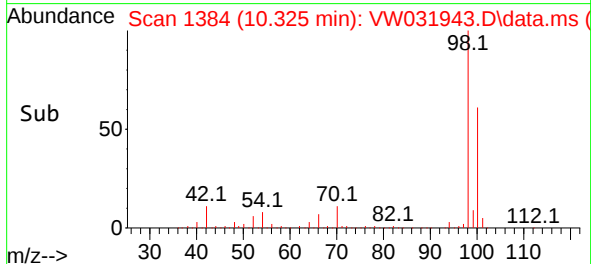
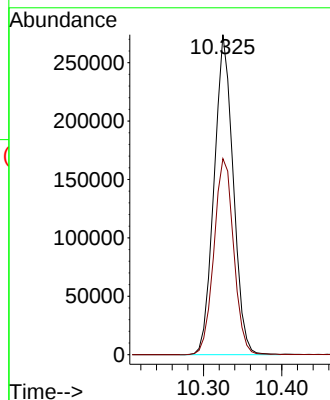
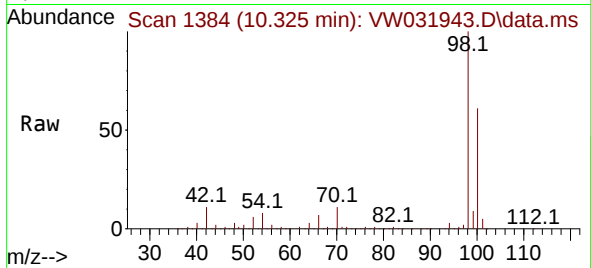




#50
Toluene-d8
Concen: 47.204 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031943.D
Acq: 28 Jul 2025 14:17

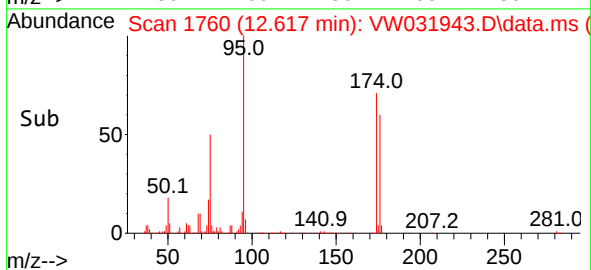
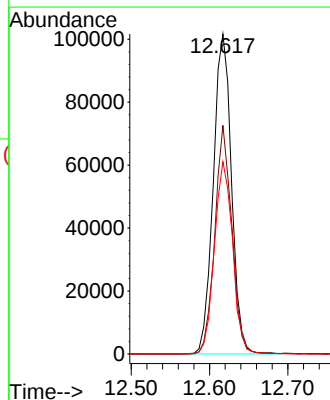
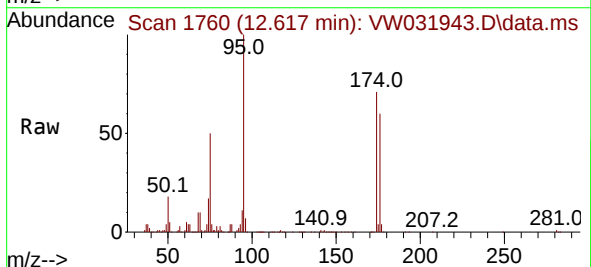
Instrument :
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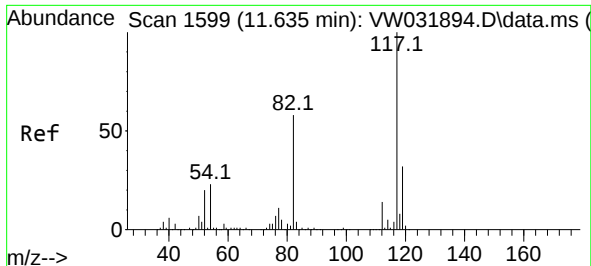
Tgt Ion: 98 Resp: 464161
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 43.435 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031943.D
Acq: 28 Jul 2025 14:17

Tgt Ion: 95 Resp: 163999
Ion Ratio Lower Upper
95 100
174 66.7 0.0 129.8
176 60.2 0.0 130.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW031943.D

Acq: 28 Jul 2025 14:17

Instrument :

MSVOA_W

ClientSampleId :

RT-5417

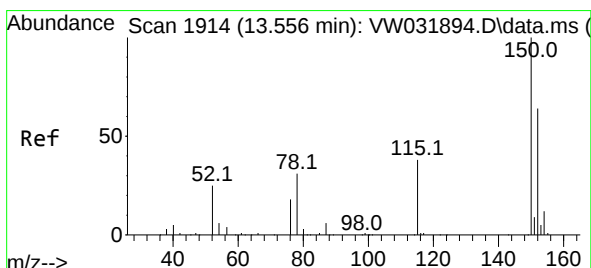
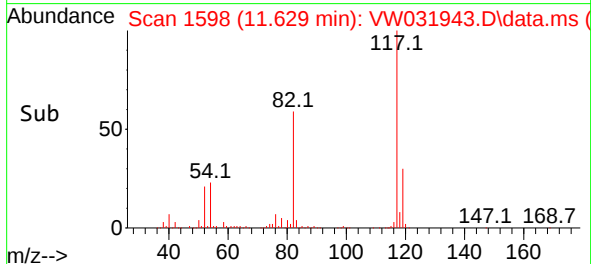
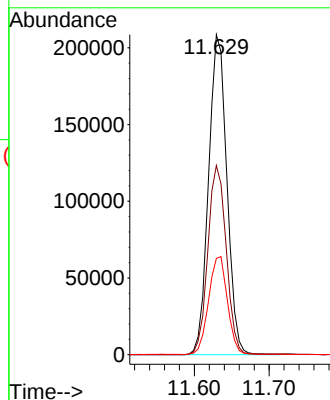
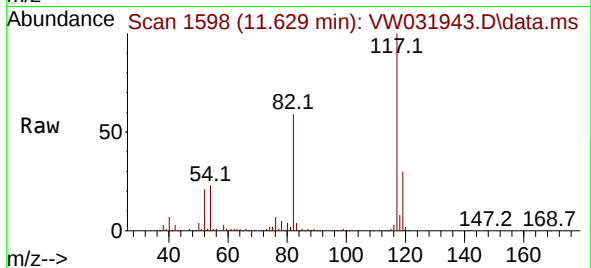
Tgt Ion:117 Resp: 354416

Ion Ratio Lower Upper

117 100

82 59.1 46.5 69.7

119 30.0 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031943.D

Acq: 28 Jul 2025 14:17

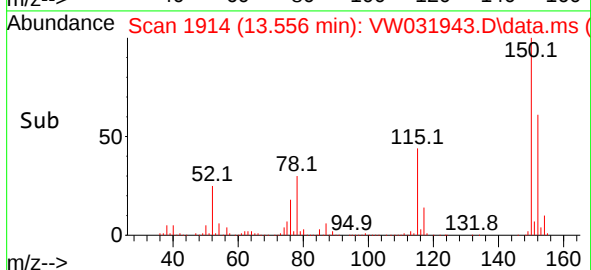
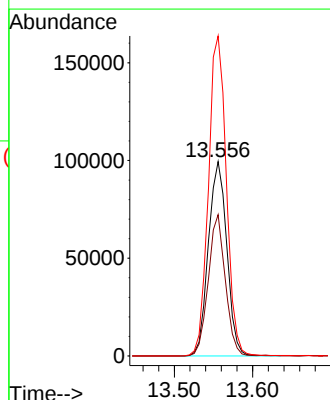
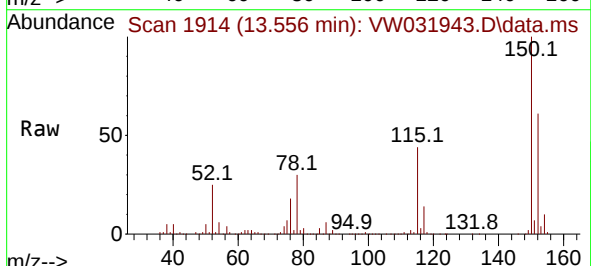
Tgt Ion:152 Resp: 162661

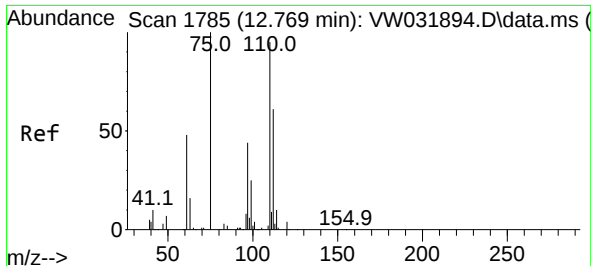
Ion Ratio Lower Upper

152 100

115 67.4 33.4 100.1

150 160.0 0.0 352.2

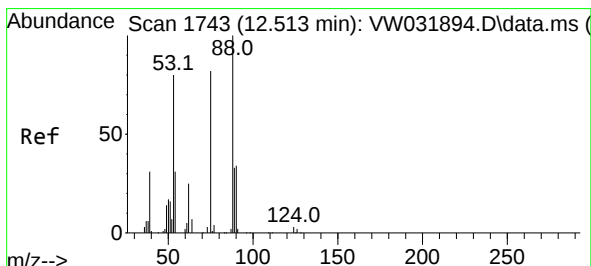
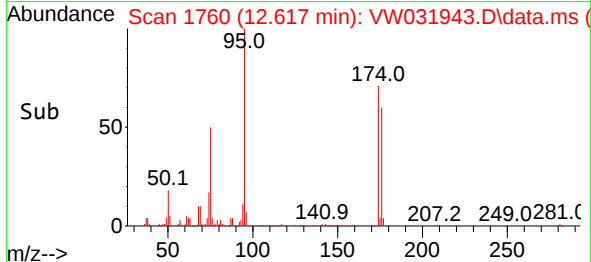
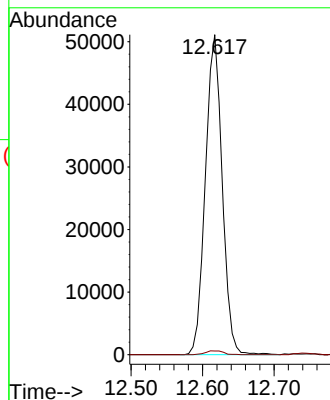
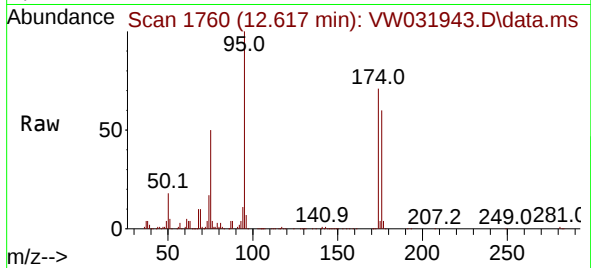




#76
1,2,3-Trichloropropane
Concen: 37.223 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031943.D
Acq: 28 Jul 2025 14:17

Instrument :
MSVOA_W
ClientSampleId :
RT-5417

Tgt Ion: 75 Resp: 83594
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.937 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031943.D
Acq: 28 Jul 2025 14:17

Tgt Ion: 75 Resp: 83594
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 39.0 58.6#

