

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032016.D
 Acq On : 05 Aug 2025 16:26
 Operator : SY/MD
 Sample : Q2774-13
 Misc : 5.07g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 254

Quant Time: Aug 06 03:56:22 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)

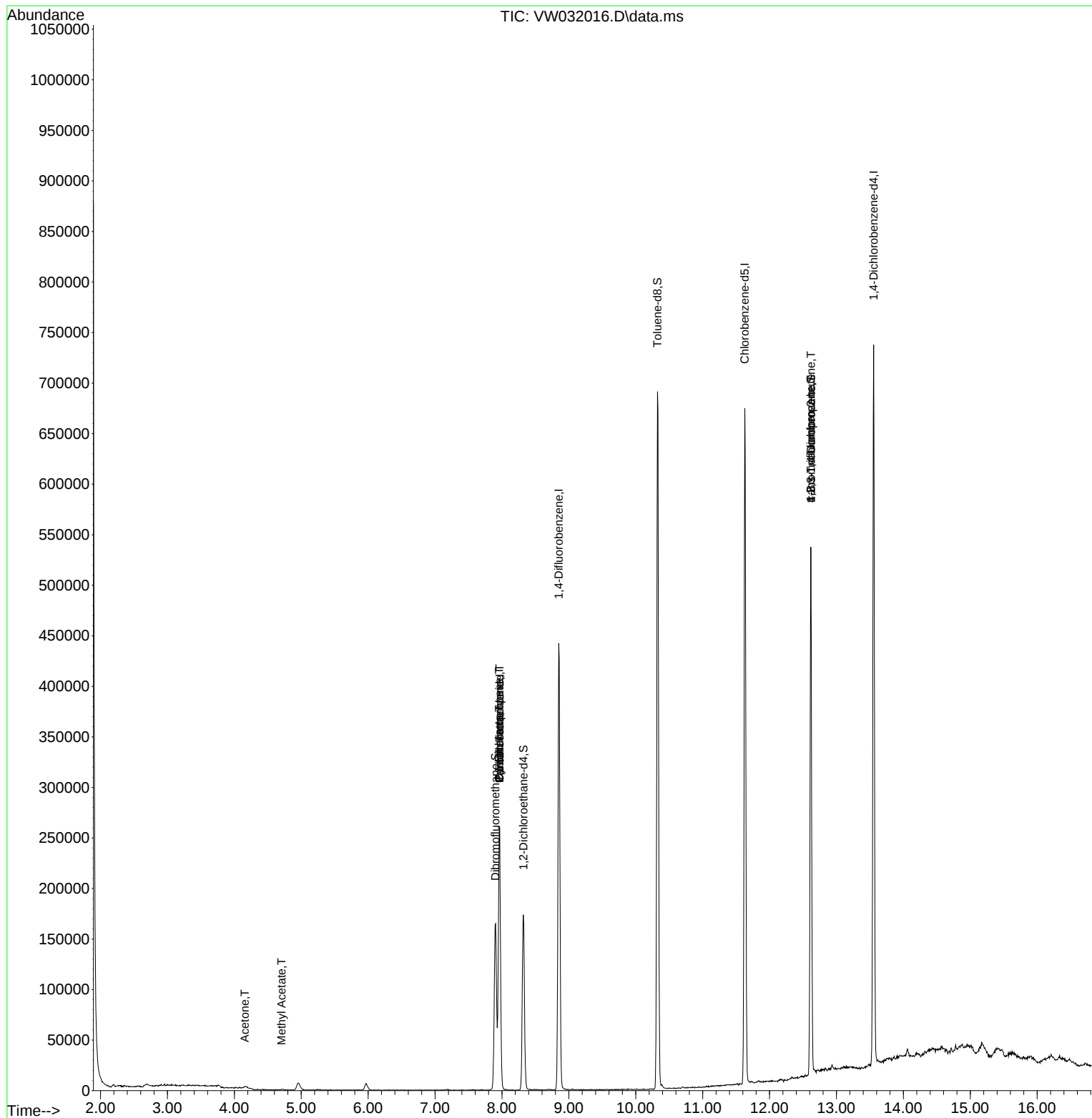
Internal Standards						
1) Pentafluorobenzene	7.965	168	180198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	374075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	366978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	178812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	147525	54.119	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 108.240%		
35) Dibromofluoromethane	7.898	113	123701	48.665	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 97.320%		
50) Toluene-d8	10.325	98	472006	49.064	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 98.120%		
62) 4-Bromofluorobenzene	12.617	95	191970	51.968	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 103.940%		
Target Compounds						Qvalue
13) Acrolein	3.930	56	51	Below Cal	#	14
16) Acetone	4.155	43	3276	5.065	ug/l	93
18) Methyl Acetate	4.704	43	1809	1.015	ug/l	# 49
20) Methylene Chloride	4.960	84	6458	Below Cal		93
31) Cyclohexane	7.959	56	4519	1.081	ug/l	# 8
36) 1,1-Dichloropropene	7.959	75	15747	4.034	ug/l	# 50
38) Carbon Tetrachloride	7.965	117	20099	5.365	ug/l	# 17
76) 1,2,3-Trichloropropane	12.617	75	95014	38.486	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.617	75	95014	88.854	ug/l	# 8

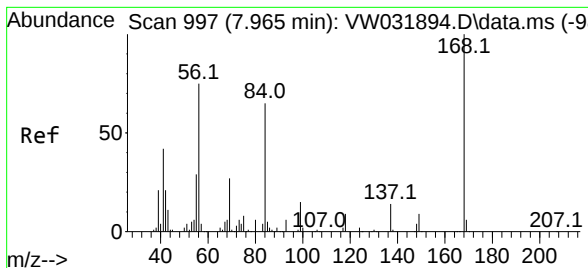
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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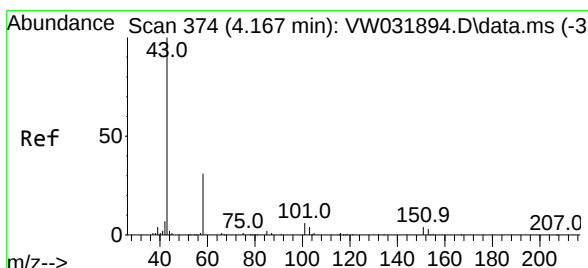
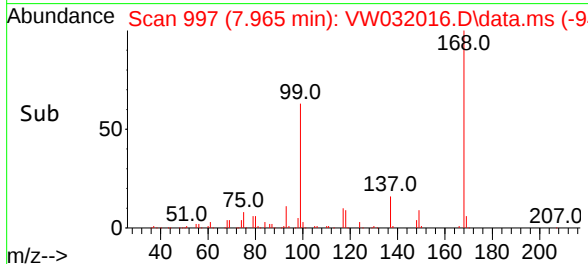
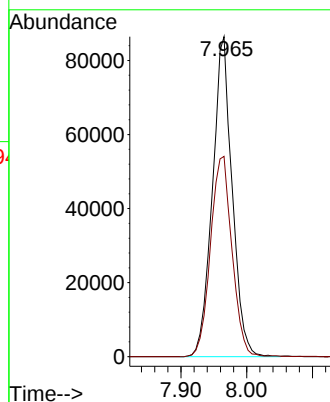
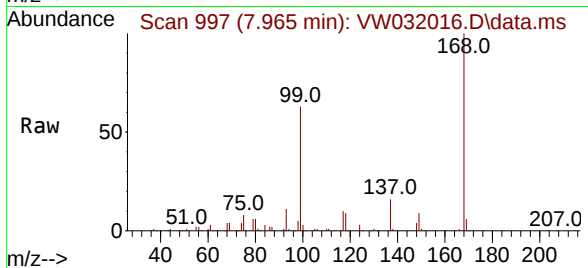




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

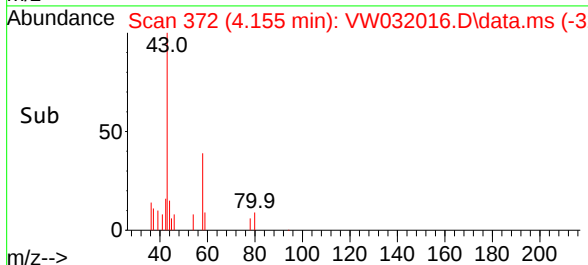
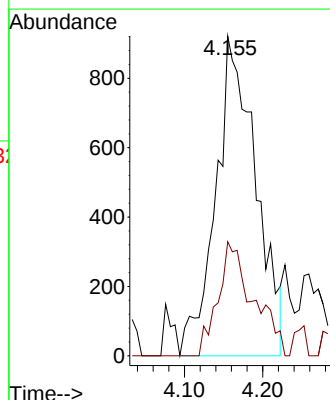
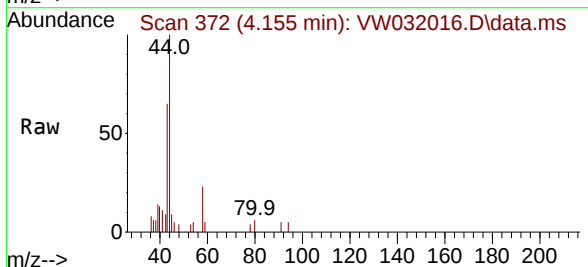
Instrument :
MSVOA_W
ClientSampleId :
254

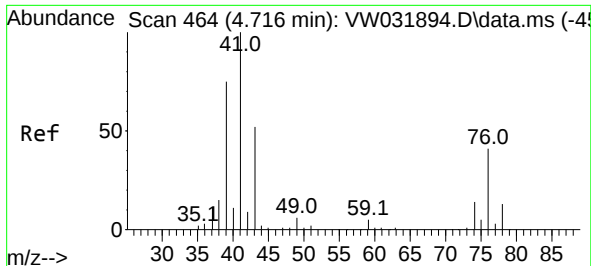
Tgt Ion:168 Resp: 180198
Ion Ratio Lower Upper
168 100
99 62.6 48.2 72.2



#16
Acetone
Concen: 5.065 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.012 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

Tgt Ion: 43 Resp: 3276
Ion Ratio Lower Upper
43 100
58 35.7 25.5 38.3

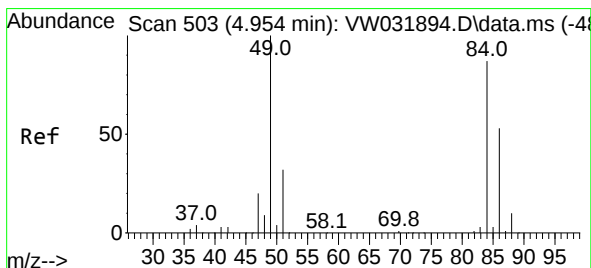
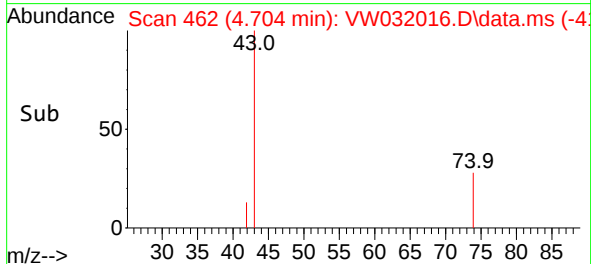
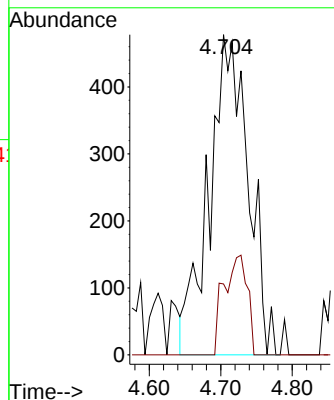
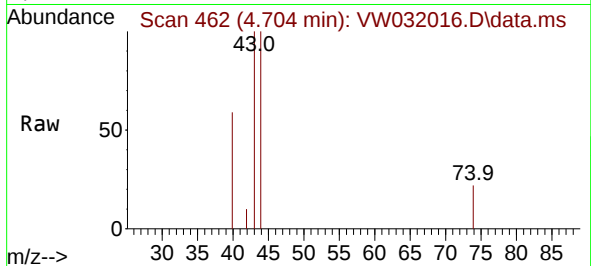




#18
Methyl Acetate
Concen: 1.015 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

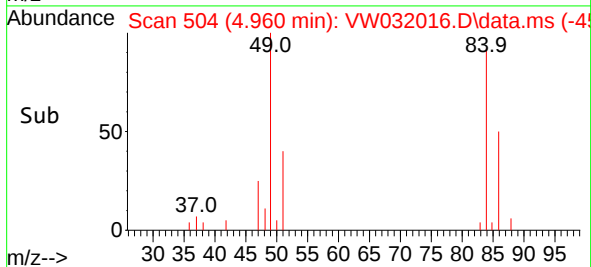
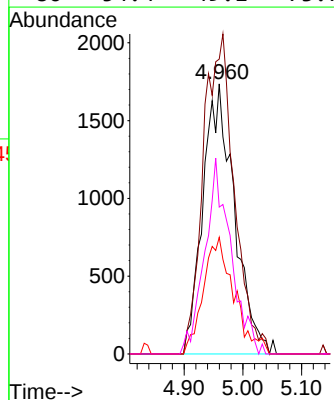
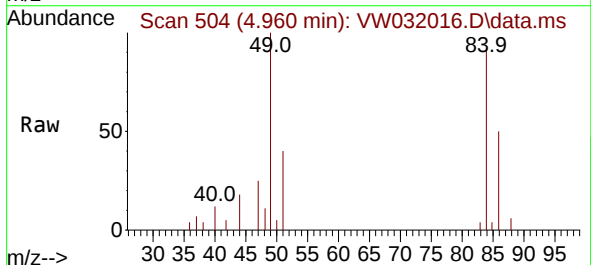
Instrument :
MSVOA_W
ClientSampleId :
254

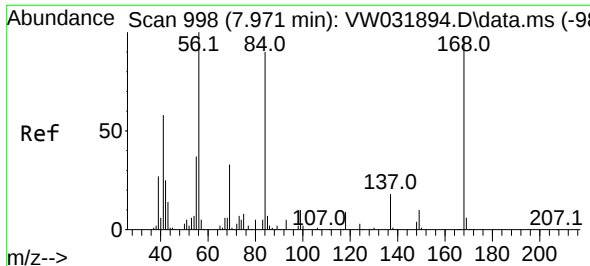
Tgt Ion: 43 Resp: 1809
Ion Ratio Lower Upper
43 100
74 0.0 20.6 31.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

Tgt Ion: 84 Resp: 6458
Ion Ratio Lower Upper
84 100
49 109.2 91.9 137.9
51 43.2 29.0 43.6
86 54.4 49.1 73.7

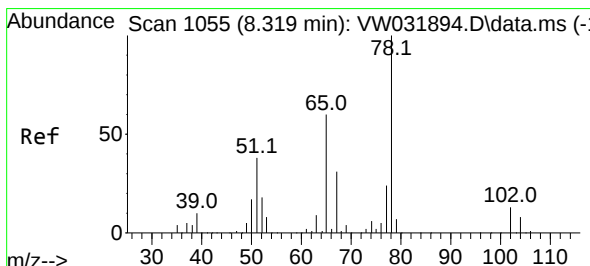
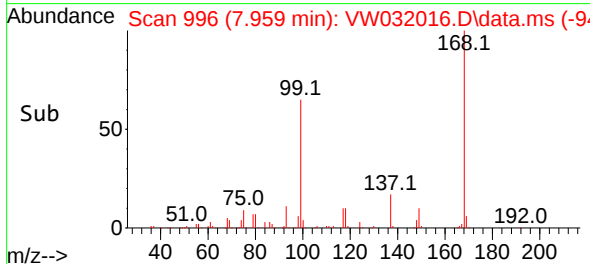
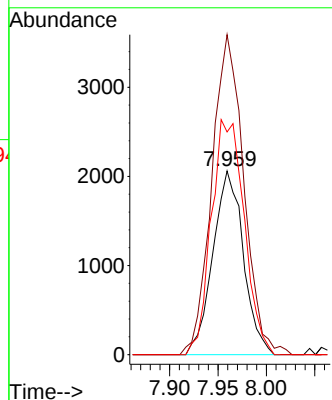
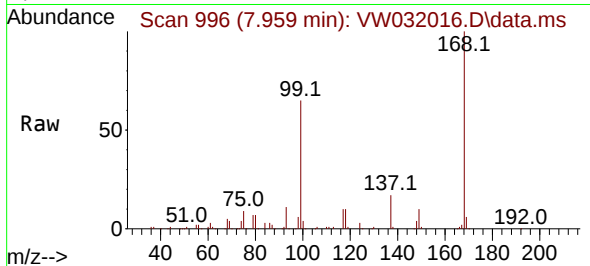




#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

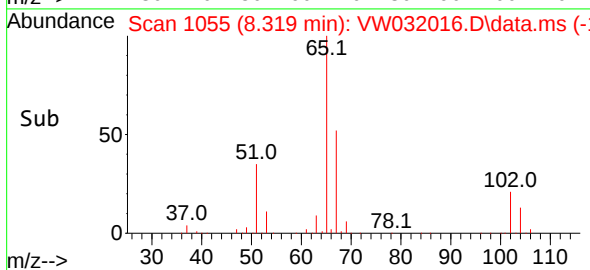
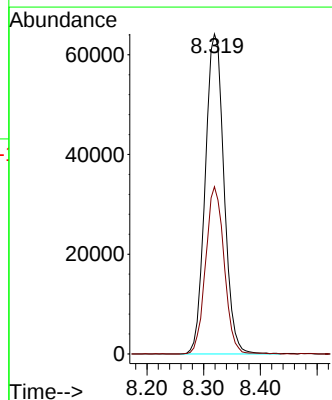
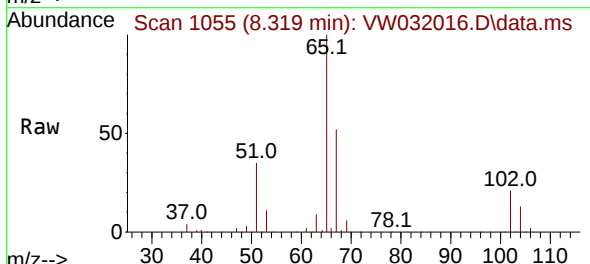
Instrument :
MSVOA_W
ClientSampleId :
254

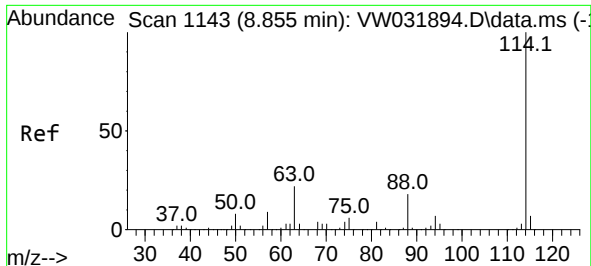
Tgt Ion: 56 Resp: 4519
Ion Ratio Lower Upper
56 100
69 174.2 26.7 40.1#
84 121.3 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 54.119 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

Tgt Ion: 65 Resp: 147525
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: VW032016.D

Acq: 05 Aug 2025 16:26

Instrument :

MSVOA_W

ClientSampleId :

254

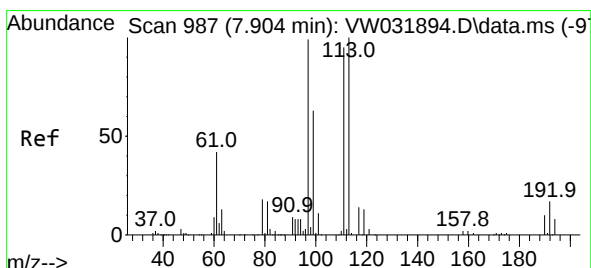
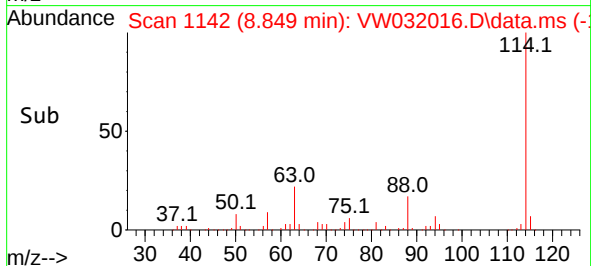
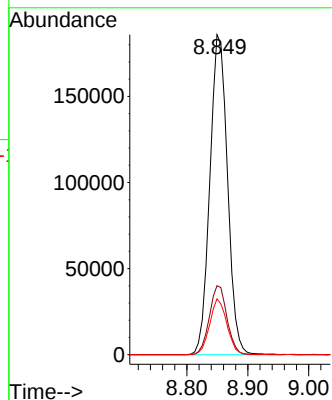
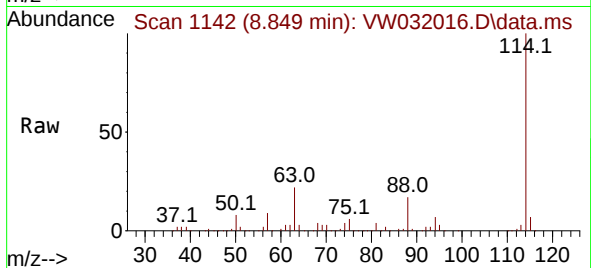
Tgt Ion:114 Resp: 374075

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.2

88 17.4 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.665 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032016.D

Acq: 05 Aug 2025 16:26

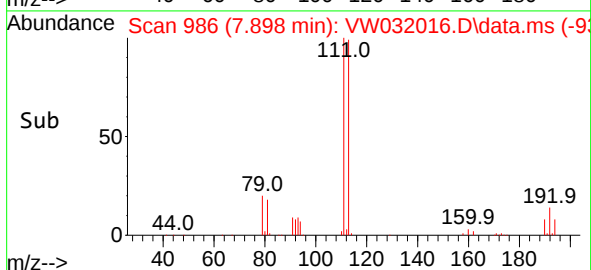
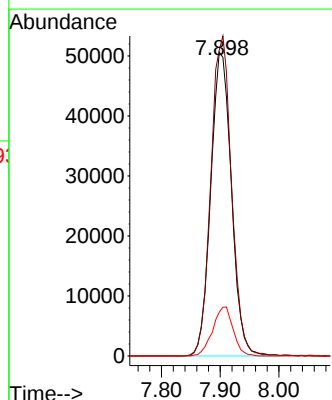
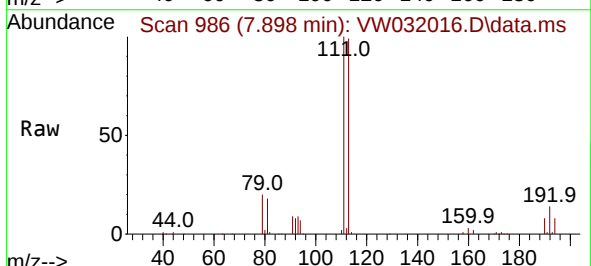
Tgt Ion:113 Resp: 123701

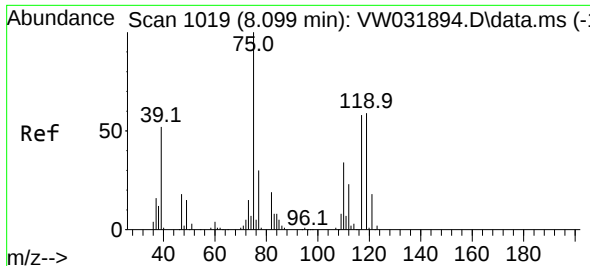
Ion Ratio Lower Upper

113 100

111 105.5 79.9 119.9

192 15.9 12.6 19.0





#36

1,1-Dichloropropene

Concen: 4.034 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032016.D

Acq: 05 Aug 2025 16:26

Instrument :

MSVOA_W

ClientSampleId :

254

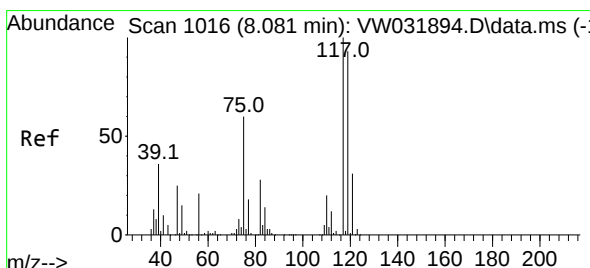
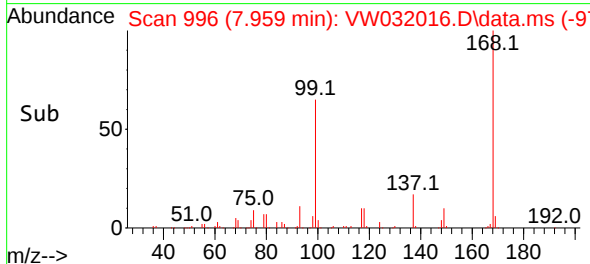
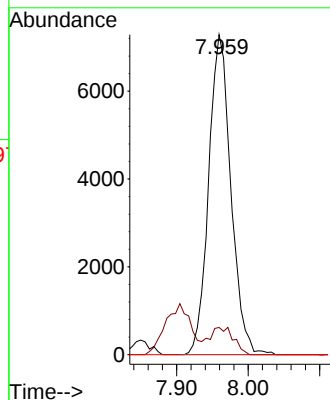
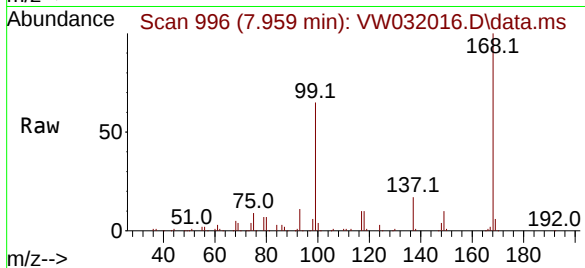
Tgt Ion: 75 Resp: 15747

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.365 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032016.D

Acq: 05 Aug 2025 16:26

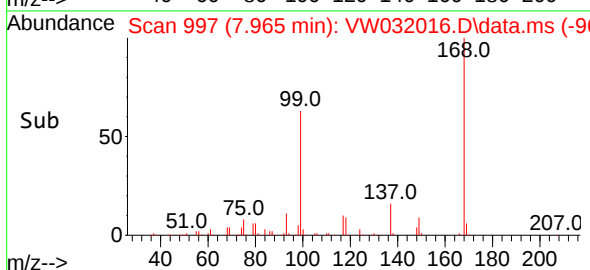
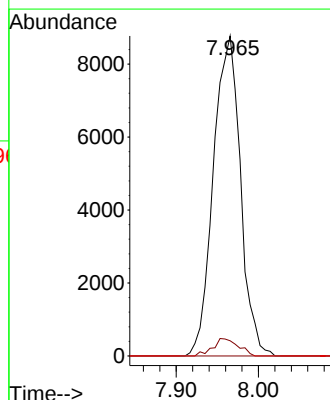
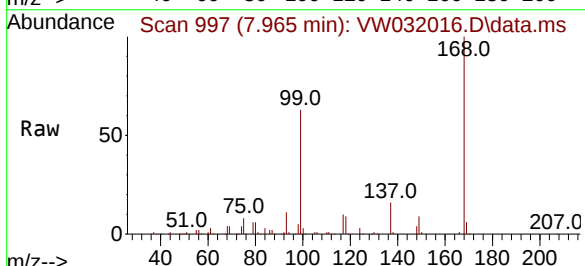
Tgt Ion: 117 Resp: 20099

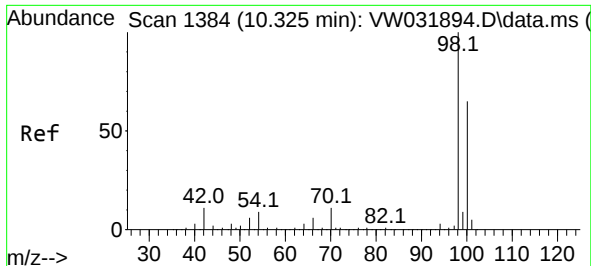
Ion Ratio Lower Upper

117 100

119 4.7 74.3 111.5#

121 0.0 24.6 37.0#

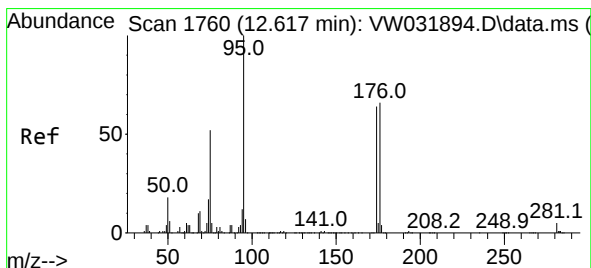
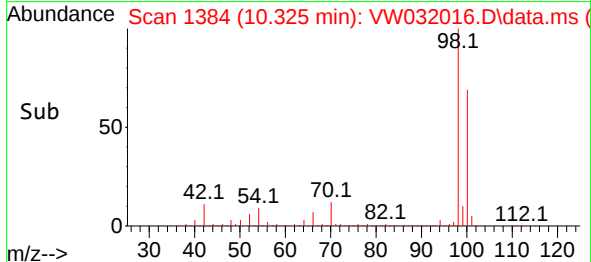
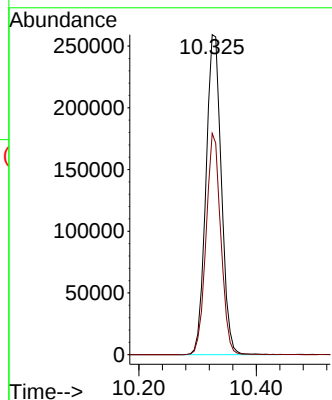
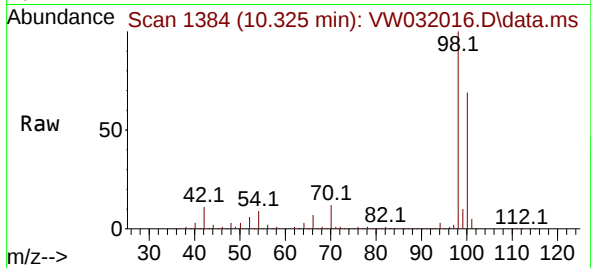




#50
Toluene-d8
Concen: 49.064 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

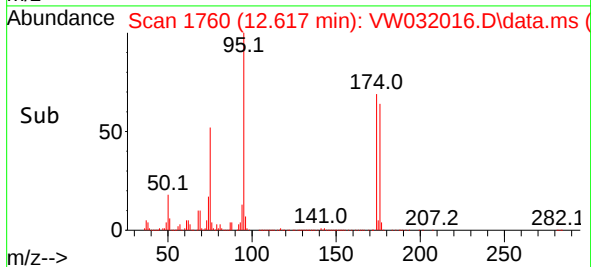
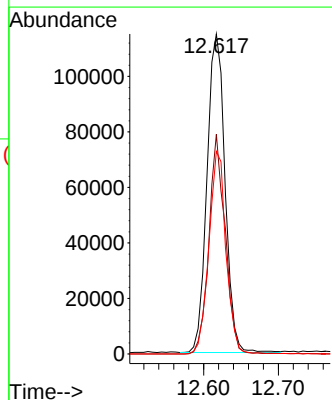
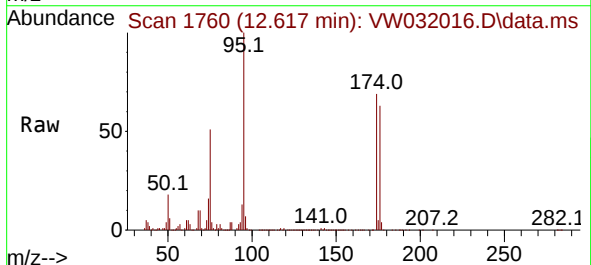
Instrument :
MSVOA_W
ClientSampleId :
254

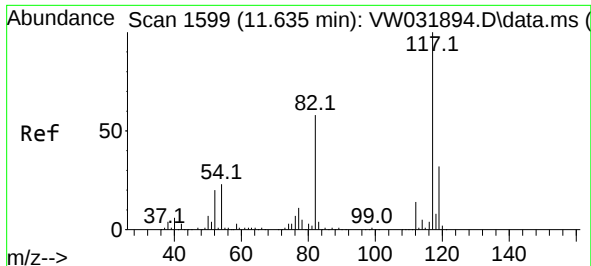
Tgt Ion: 98 Resp: 472006
Ion Ratio Lower Upper
98 100
100 66.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 51.968 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

Tgt Ion: 95 Resp: 191970
Ion Ratio Lower Upper
95 100
174 62.1 0.0 129.8
176 60.7 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: VW032016.D

Acq: 05 Aug 2025 16:26

Instrument :

MSVOA_W

ClientSampleId :

254

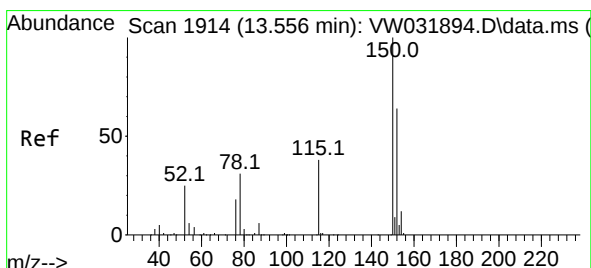
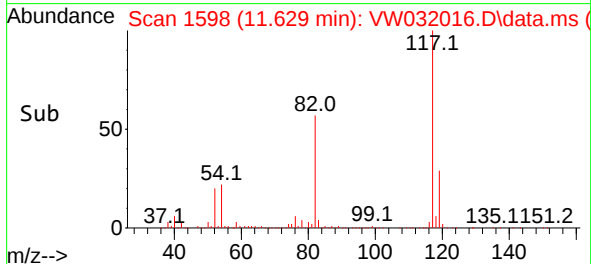
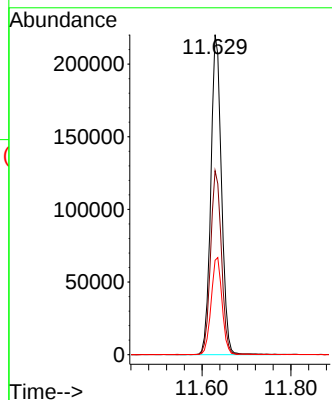
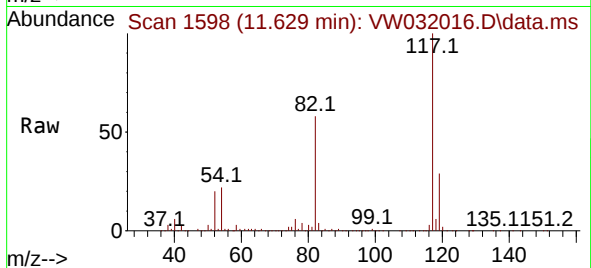
Tgt Ion:117 Resp: 366978

Ion Ratio Lower Upper

117 100

82 57.5 46.5 69.7

119 29.4 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: VW032016.D

Acq: 05 Aug 2025 16:26

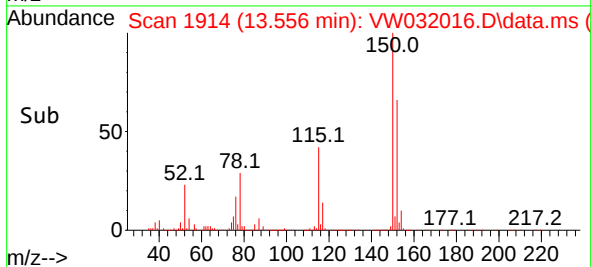
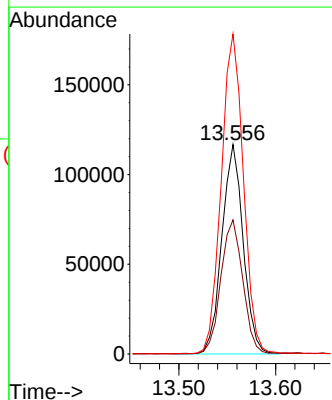
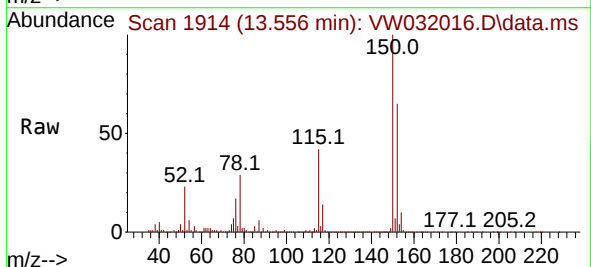
Tgt Ion:152 Resp: 178812

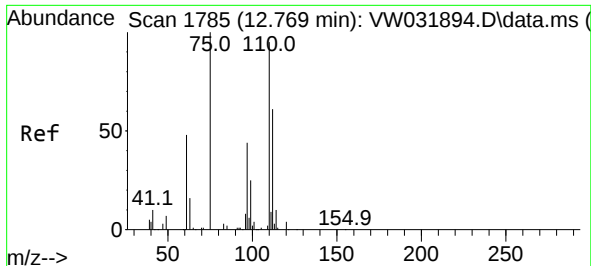
Ion Ratio Lower Upper

152 100

115 65.7 33.4 100.1

150 158.5 0.0 352.2

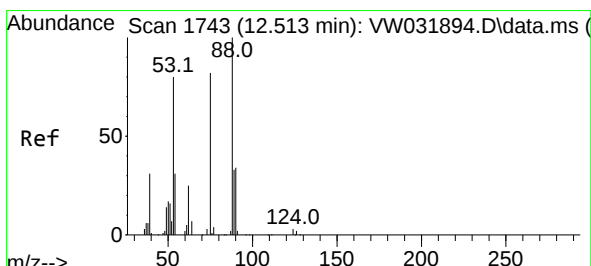
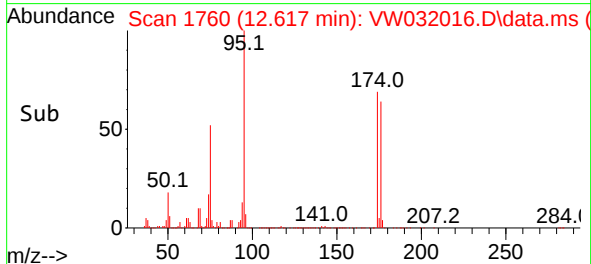
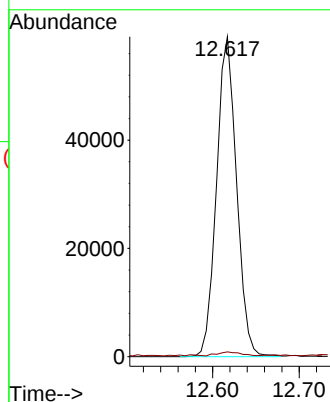
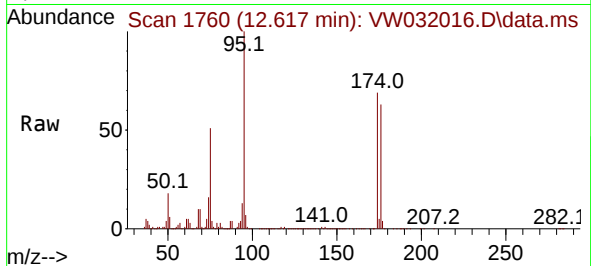




#76
1,2,3-Trichloropropane
Concen: 38.486 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

Instrument :
MSVOA_W
ClientSampleId :
254

Tgt Ion: 75 Resp: 95014
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.854 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

Tgt Ion: 75 Resp: 95014
Ion Ratio Lower Upper
75 100
53 0.5 83.7 125.5#
89 0.0 39.0 58.6#

