

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092925\
 Data File : VW032289.D
 Acq On : 29 Sep 2025 10:18
 Operator : SY/MD
 Sample : VW0929SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 02:34:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.953	168	170986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	366797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	375398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	185238	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169881	62.923	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	125.840%
35) Dibromofluoromethane	7.898	113	134272	50.901	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.800%
50) Toluene-d8	10.325	98	493728	51.934	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	103.860%
62) 4-Bromofluorobenzene	12.617	95	177961	49.626	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.260%

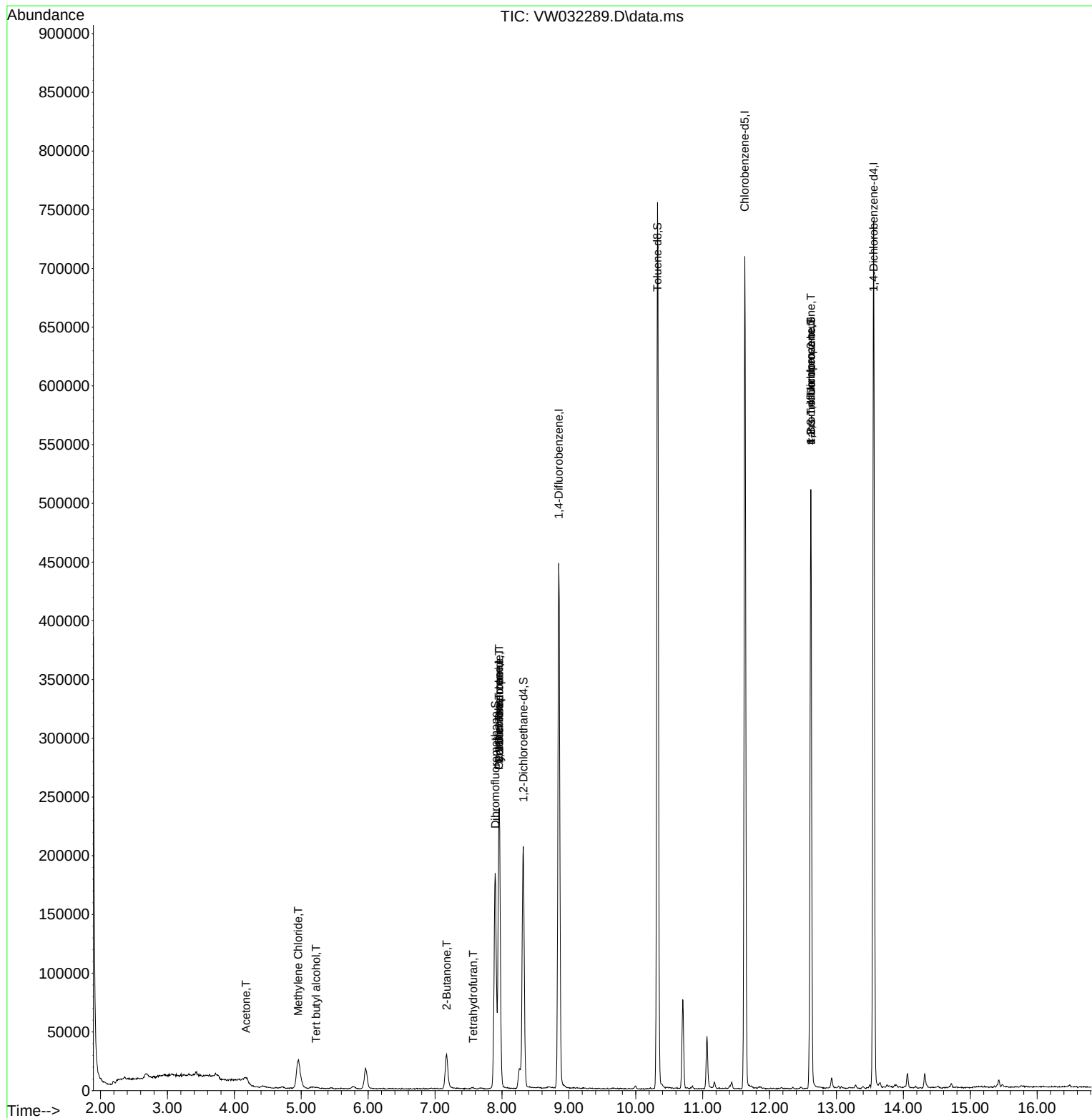
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.222	59	644	3.436	ug/l	# 71
16) Acetone	4.173	43	4141	5.972	ug/l	95
20) Methylene Chloride	4.954	84	23269	2.059	ug/l	96
25) 2-Butanone	7.173	43	2252	2.330	ug/l	# 66
29) Tetrahydrofuran	7.569	42	666	1.062	ug/l	# 52
31) Cyclohexane	7.953	56	4571	1.311	ug/l	# 21
36) 1,1-Dichloropropene	7.959	75	16286	4.579	ug/l	# 51
38) Carbon Tetrachloride	7.959	117	19974	5.970	ug/l	# 19
76) 1,2,3-Trichloropropane	12.617	75	90992	35.705	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	90992	92.741	ug/l	# 9

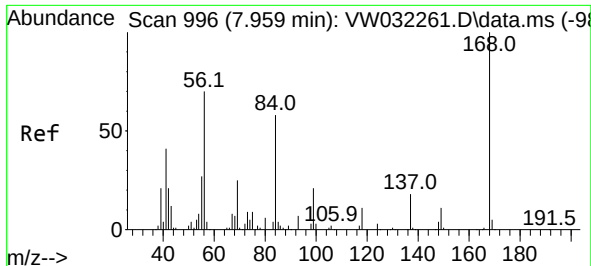
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 26 07:11:42 2025
Response via : Initial Calibration

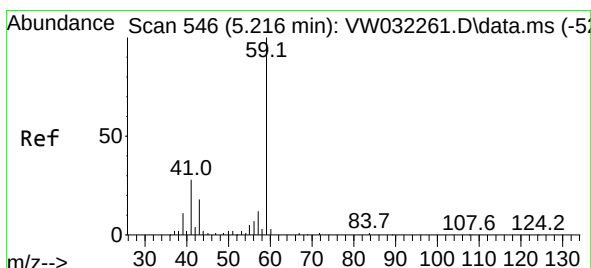
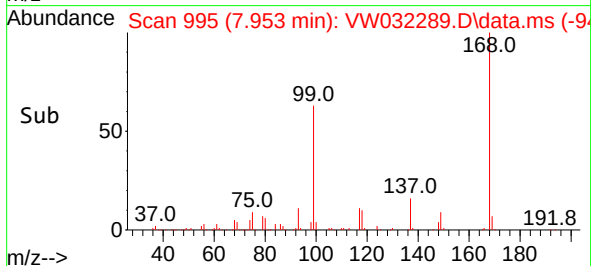
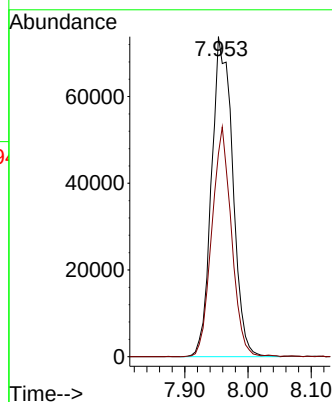
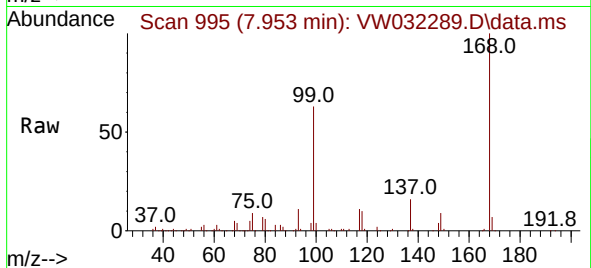




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

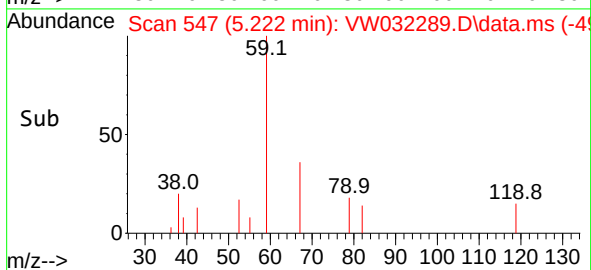
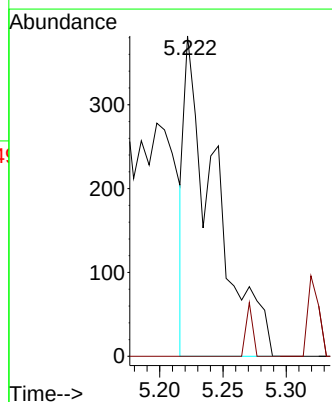
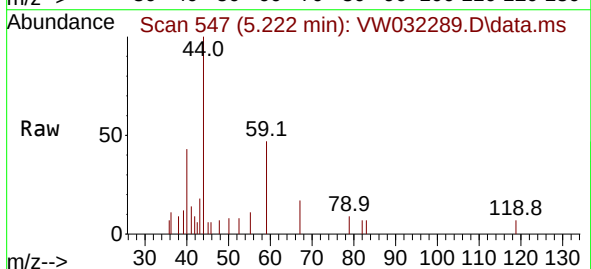
Instrument :
MSVOA_W
ClientSampleId :

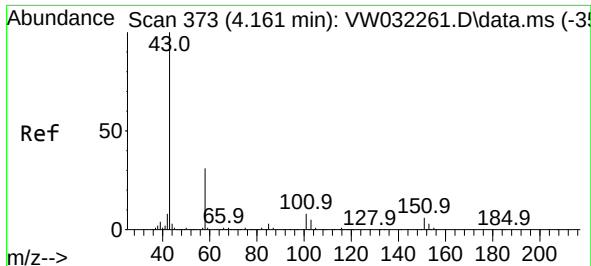
Tgt Ion:168 Resp: 170986
Ion Ratio Lower Upper
168 100
99 63.5 55.0 82.4



#11
Tert butyl alcohol
Concen: 3.436 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.006 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

Tgt Ion: 59 Resp: 644
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

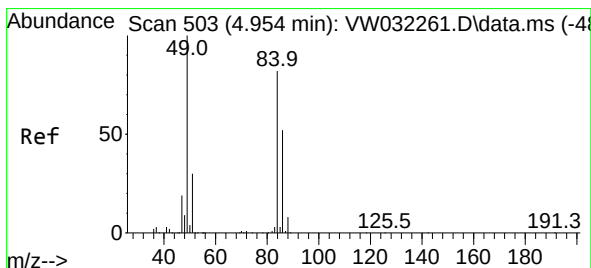
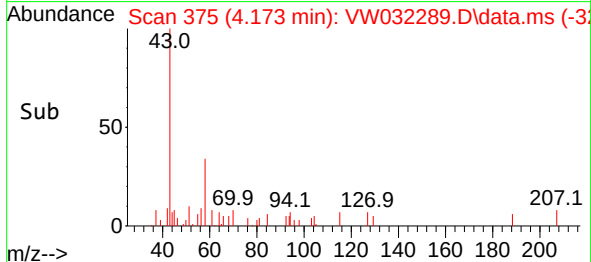
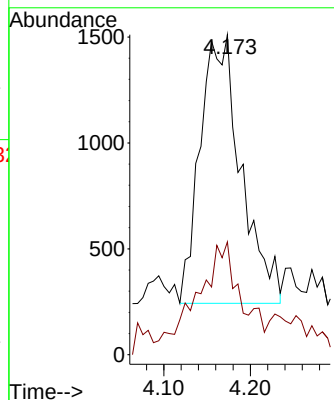
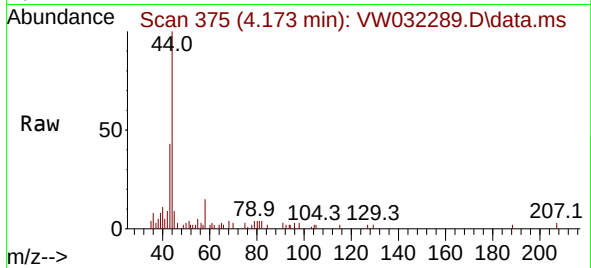




#16
Acetone
Concen: 5.972 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

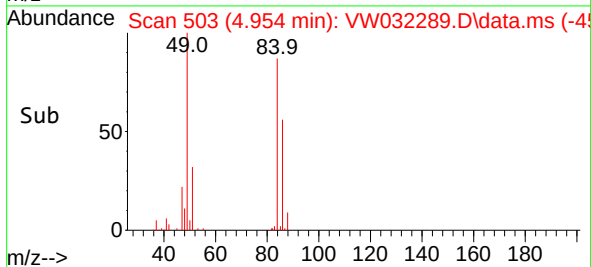
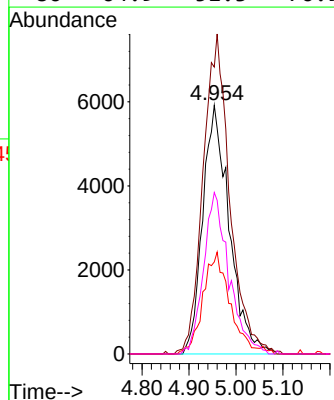
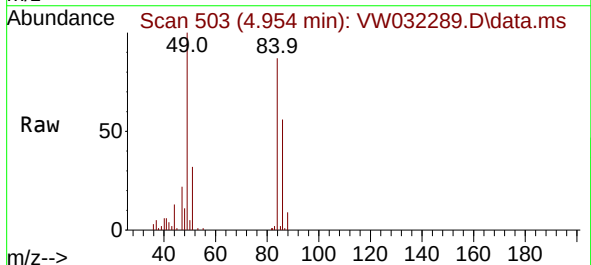
Instrument :
MSVOA_W
ClientSampleId :

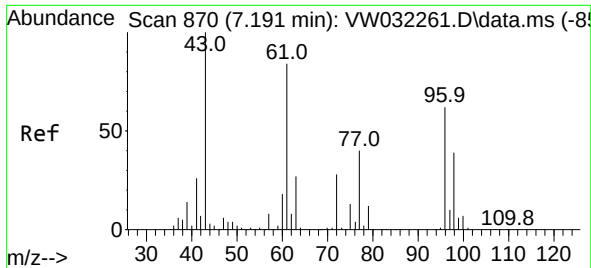
Tgt Ion: 43 Resp: 4141
Ion Ratio Lower Upper
43 100
58 28.9 25.4 38.0



#20
Methylene Chloride
Concen: 2.059 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

Tgt Ion: 84 Resp: 23269
Ion Ratio Lower Upper
84 100
49 114.2 97.8 146.6
51 37.0 29.9 44.9
86 64.9 51.3 76.9

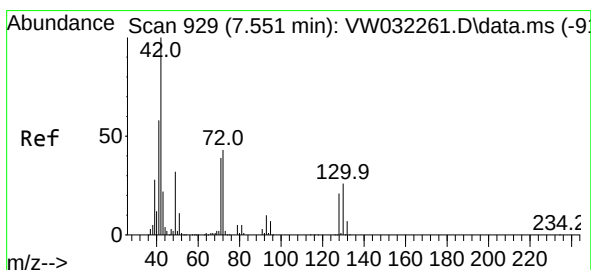
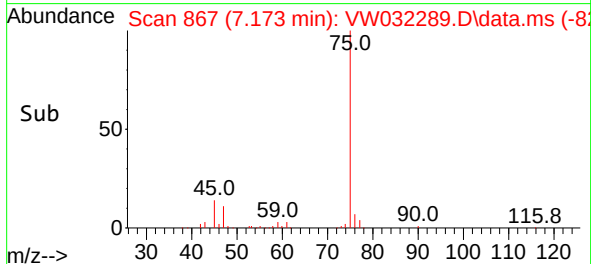
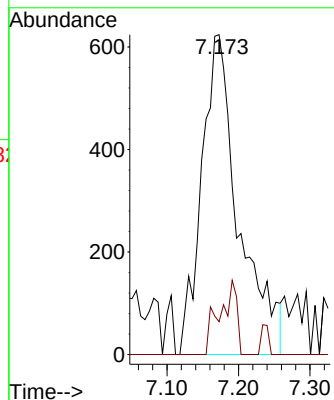
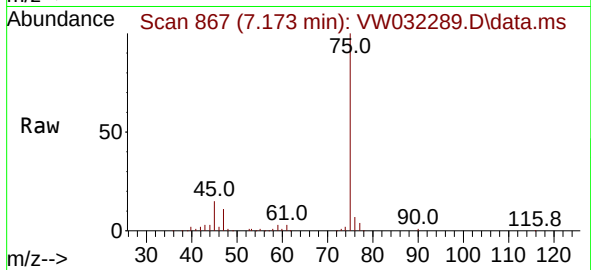




#25
2-Butanone
Concen: 2.330 ug/l
RT: 7.173 min Scan# 80
Delta R.T. -0.018 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

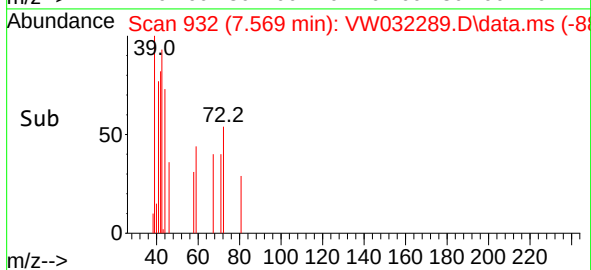
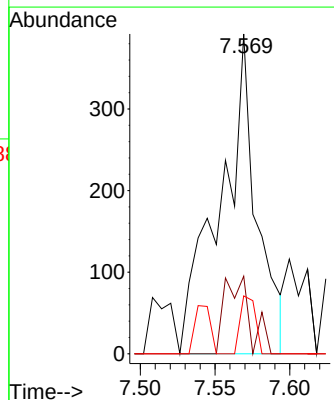
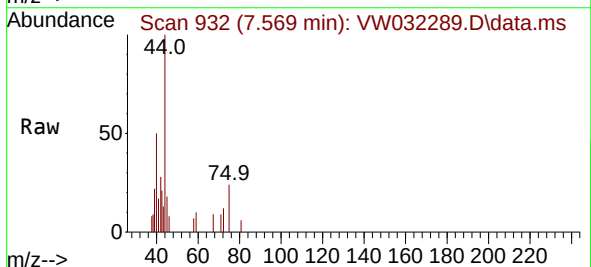
Instrument :
MSVOA_W
ClientSampleId :

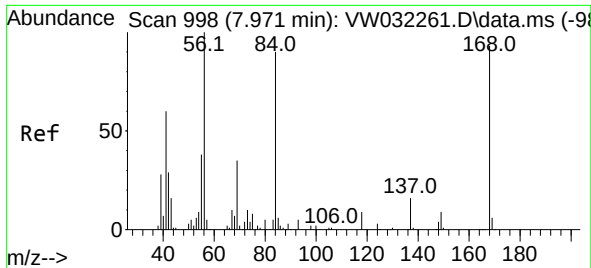
Tgt Ion: 43 Resp: 2252
Ion Ratio Lower Upper
43 100
72 10.3 22.3 33.5#



#29
Tetrahydrofuran
Concen: 1.062 ug/l
RT: 7.569 min Scan# 932
Delta R.T. 0.019 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

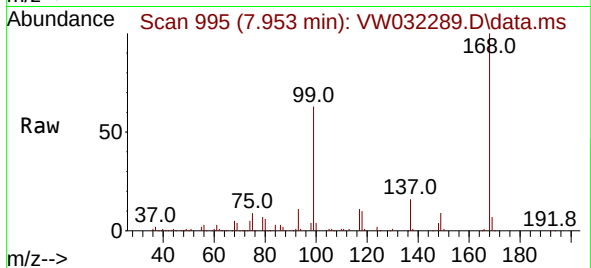
Tgt Ion: 42 Resp: 666
Ion Ratio Lower Upper
42 100
72 16.8 35.1 52.7#
71 7.5 33.3 49.9#



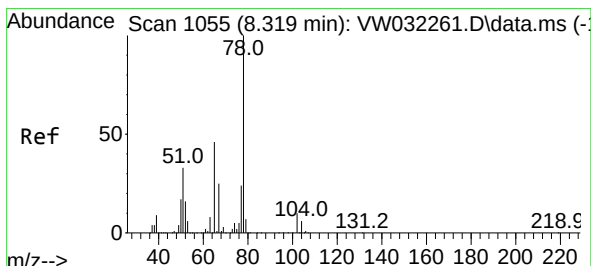
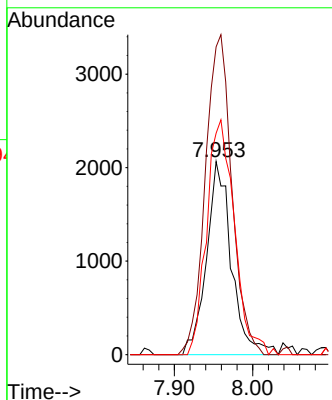
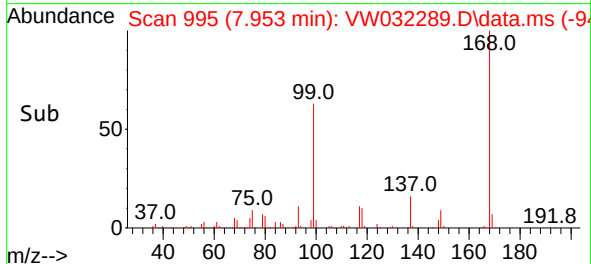


#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

Instrument :
MSVOA_W
ClientSampleId :

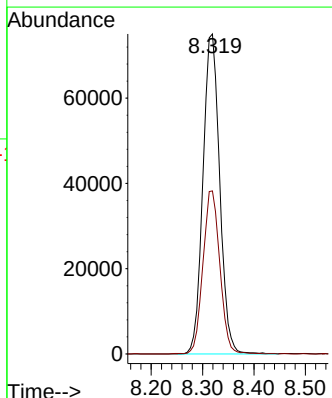
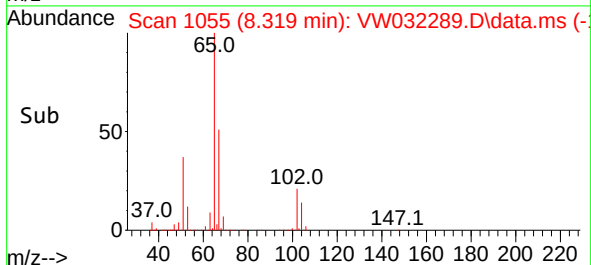
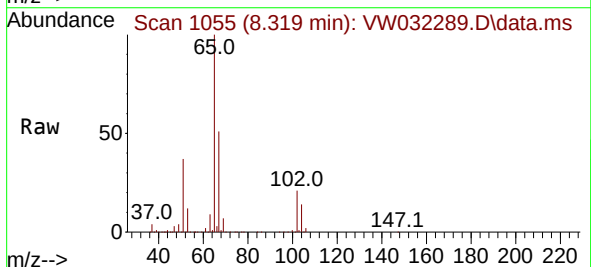


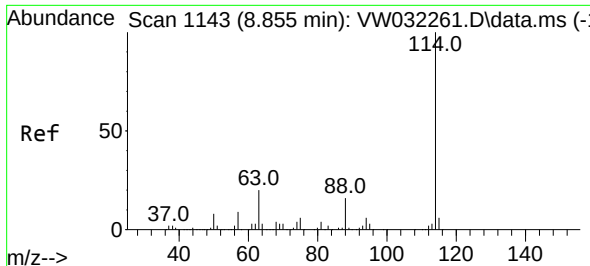
Tgt Ion: 56 Resp: 4571
Ion Ratio Lower Upper
56 100
69 159.4 28.2 42.2#
84 114.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 62.923 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

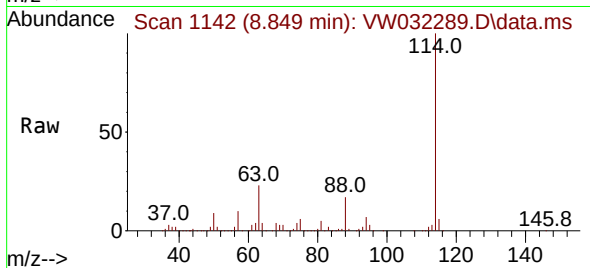
Tgt Ion: 65 Resp: 169881
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.8



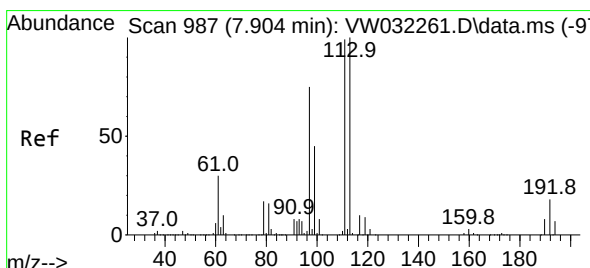
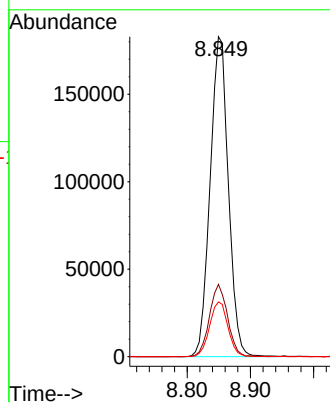
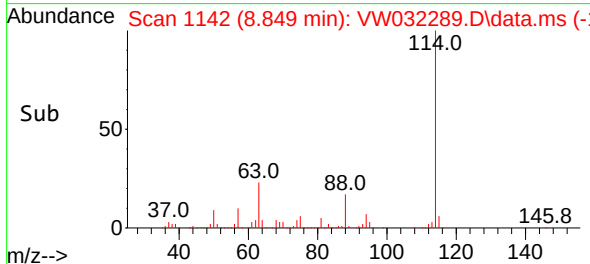


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

Instrument :
MSVOA_W
ClientSampleId :

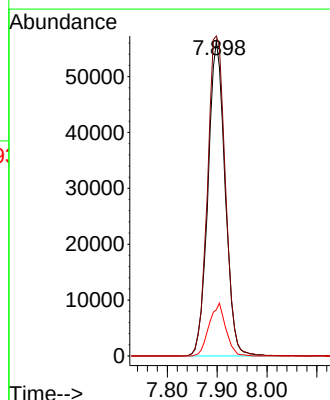
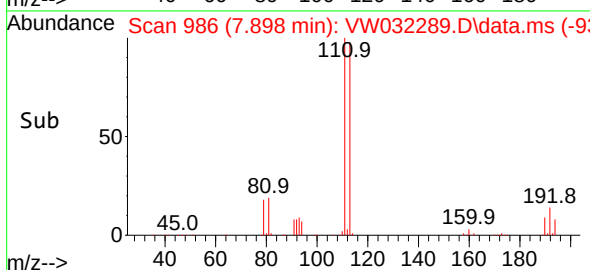
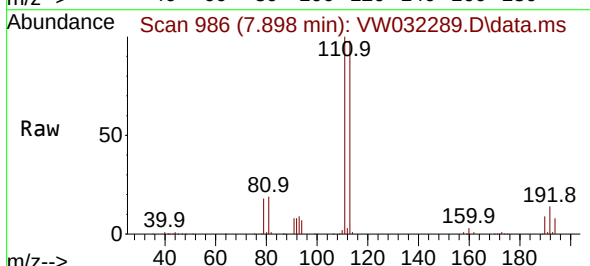


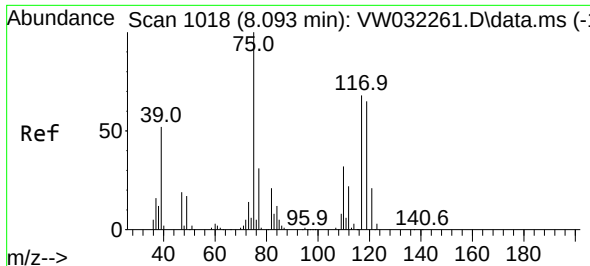
Tgt Ion:114 Resp: 366797
Ion Ratio Lower Upper
114 100
63 22.6 0.0 40.2
88 17.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.901 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

Tgt Ion:113 Resp: 134272
Ion Ratio Lower Upper
113 100
111 106.2 81.8 122.8
192 16.3 13.0 19.4





#36

1,1-Dichloropropene

Concen: 4.579 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.134 min

Lab File: VW032289.D

Acq: 29 Sep 2025 10:18

Instrument :

MSVOA_W

ClientSampleId :

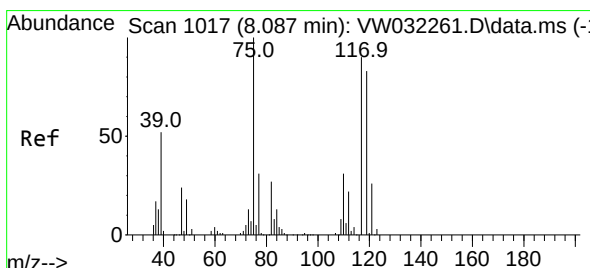
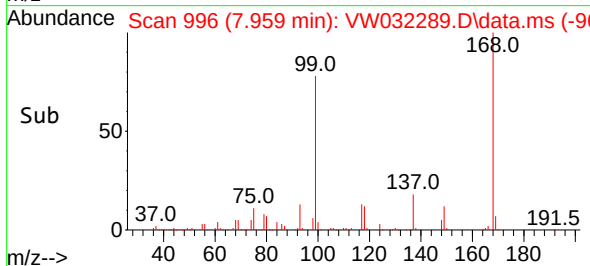
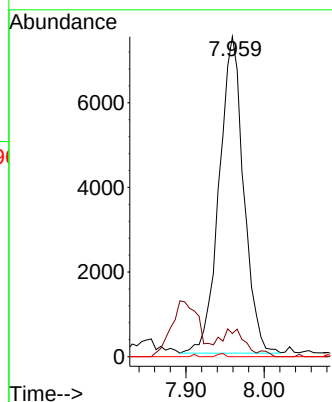
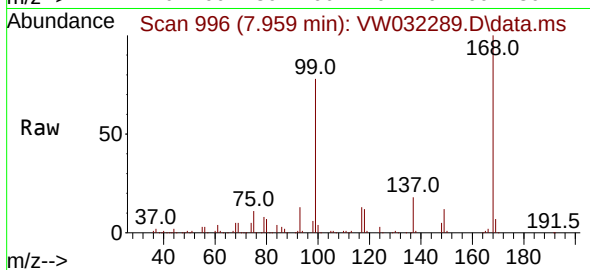
Tgt Ion: 75 Resp: 16286

Ion Ratio Lower Upper

75 100

110 9.0 16.7 50.1#

77 0.3 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.970 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032289.D

Acq: 29 Sep 2025 10:18

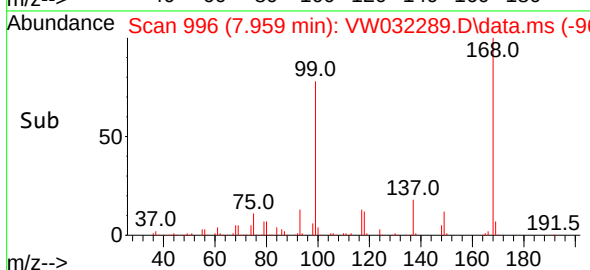
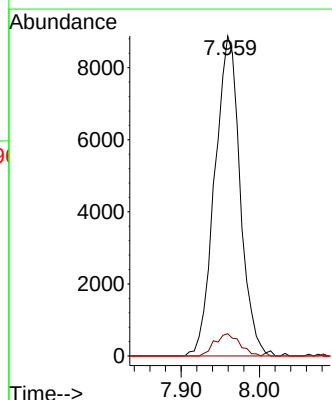
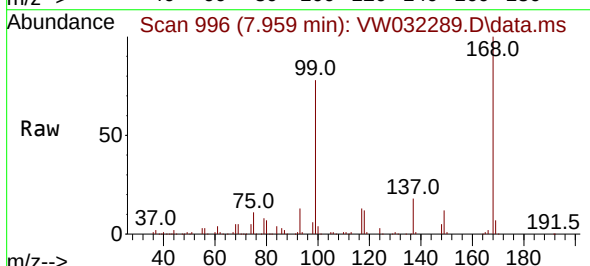
Tgt Ion: 117 Resp: 19974

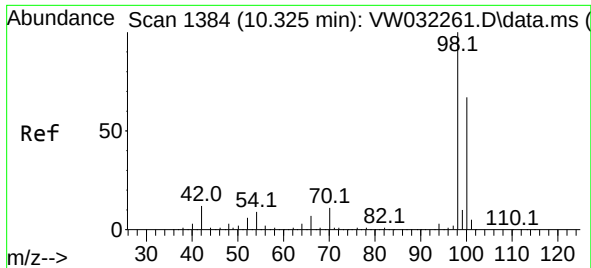
Ion Ratio Lower Upper

117 100

119 6.9 73.9 110.9#

121 0.0 23.0 34.6#

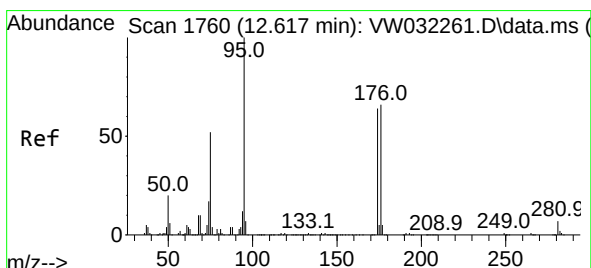
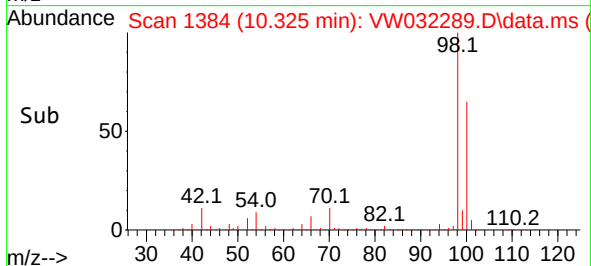
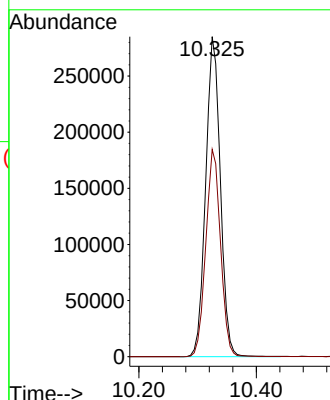
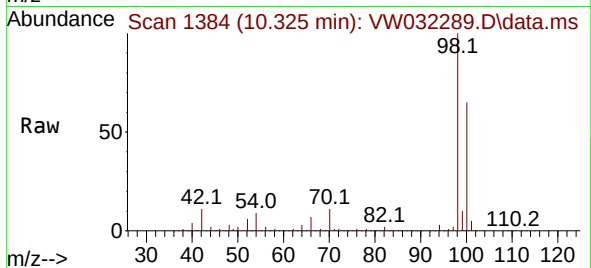




#50
Toluene-d8
Concen: 51.934 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

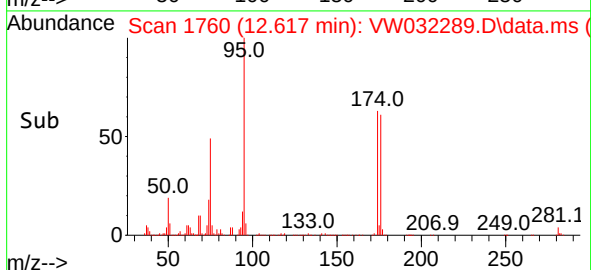
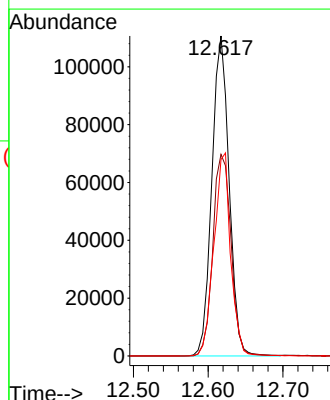
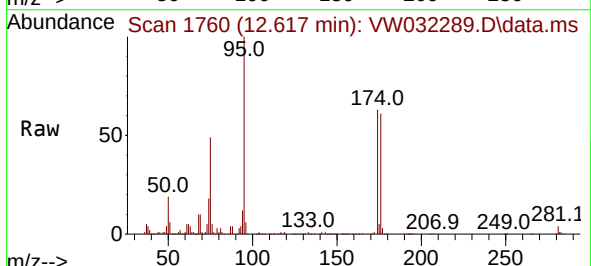
Instrument :
MSVOA_W
ClientSampleId :

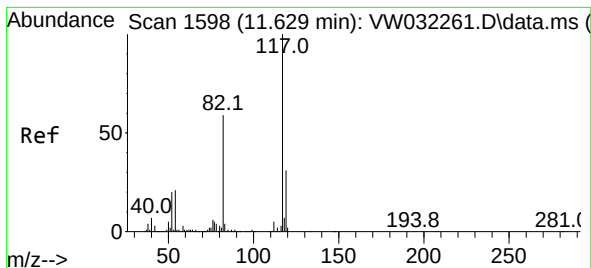
Tgt Ion: 98 Resp: 493728
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.626 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

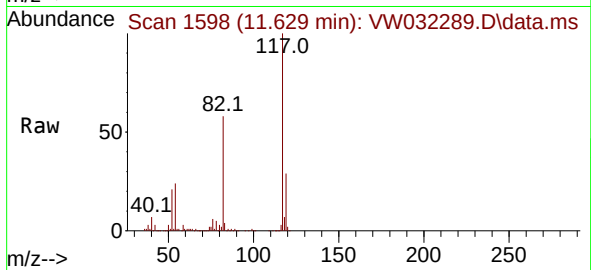
Tgt Ion: 95 Resp: 177961
Ion Ratio Lower Upper
95 100
174 66.3 0.0 130.6
176 61.8 0.0 127.0



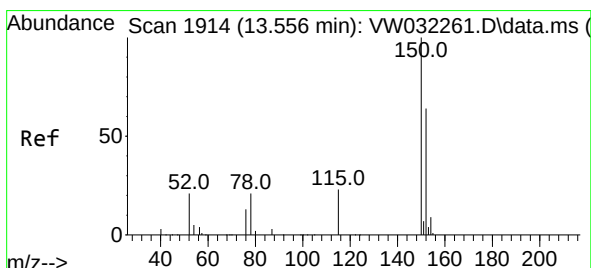
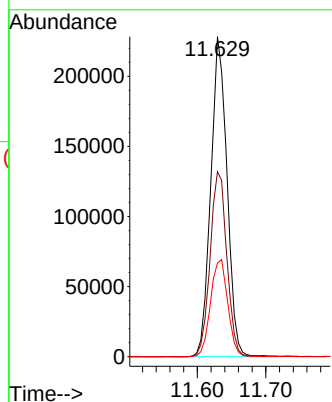
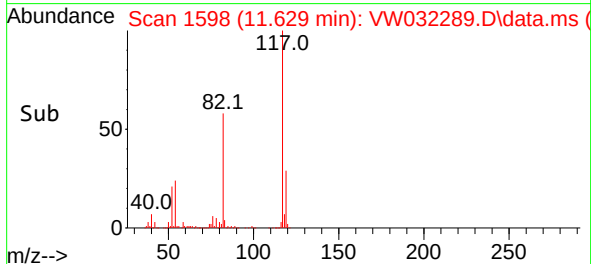


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

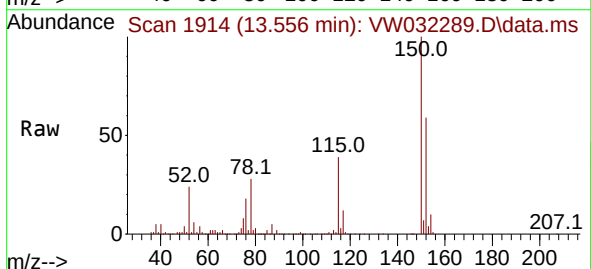
Instrument :
MSVOA_W
ClientSampleId :



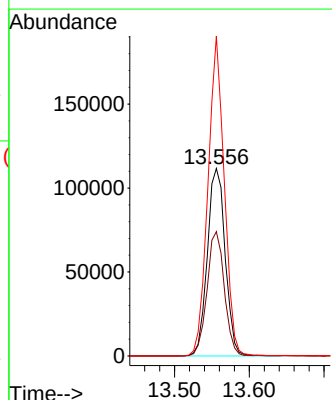
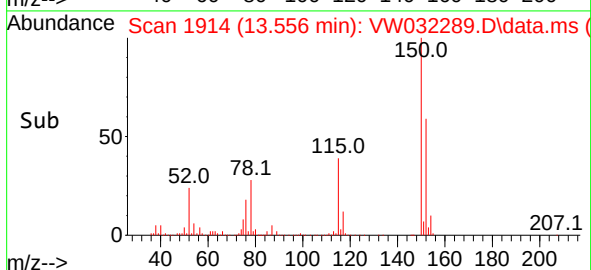
Tgt Ion:117 Resp: 375398
Ion Ratio Lower Upper
117 100
82 57.8 46.9 70.3
119 29.3 24.9 37.3

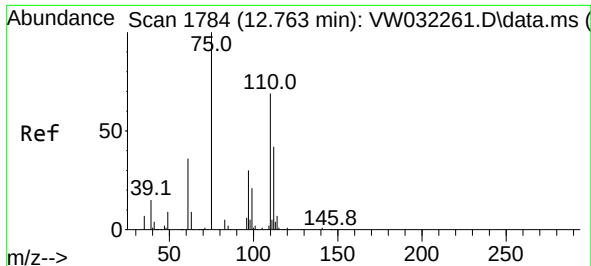


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18



Tgt Ion:152 Resp: 185238
Ion Ratio Lower Upper
152 100
115 64.5 32.5 97.5
150 156.0 0.0 370.2

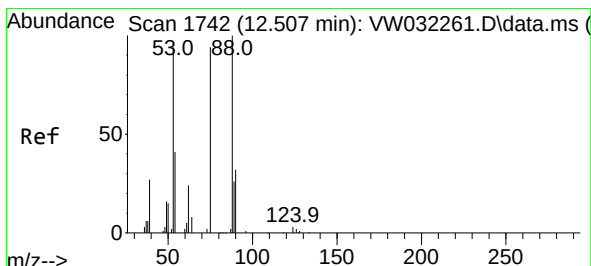
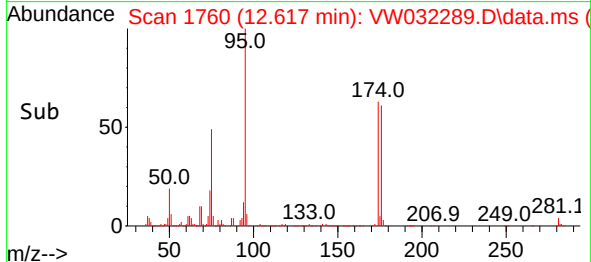
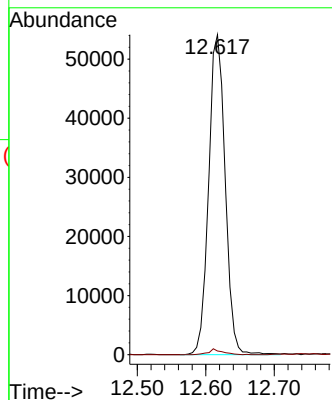
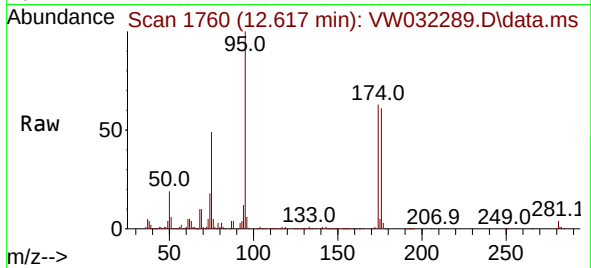




#76
1,2,3-Trichloropropane
Concen: 35.705 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 90992
Ion Ratio Lower Upper
75 100
77 1.5 140.9 422.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.741 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032289.D
Acq: 29 Sep 2025 10:18

Tgt Ion: 75 Resp: 90992
Ion Ratio Lower Upper
75 100
53 0.4 81.4 122.2#
89 0.2 35.4 53.2#

