

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092925\
 Data File : VW032294.D
 Acq On : 29 Sep 2025 14:16
 Operator : SY/MD
 Sample : Q3238-01
 Misc : 5.12g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 02:36:56 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)

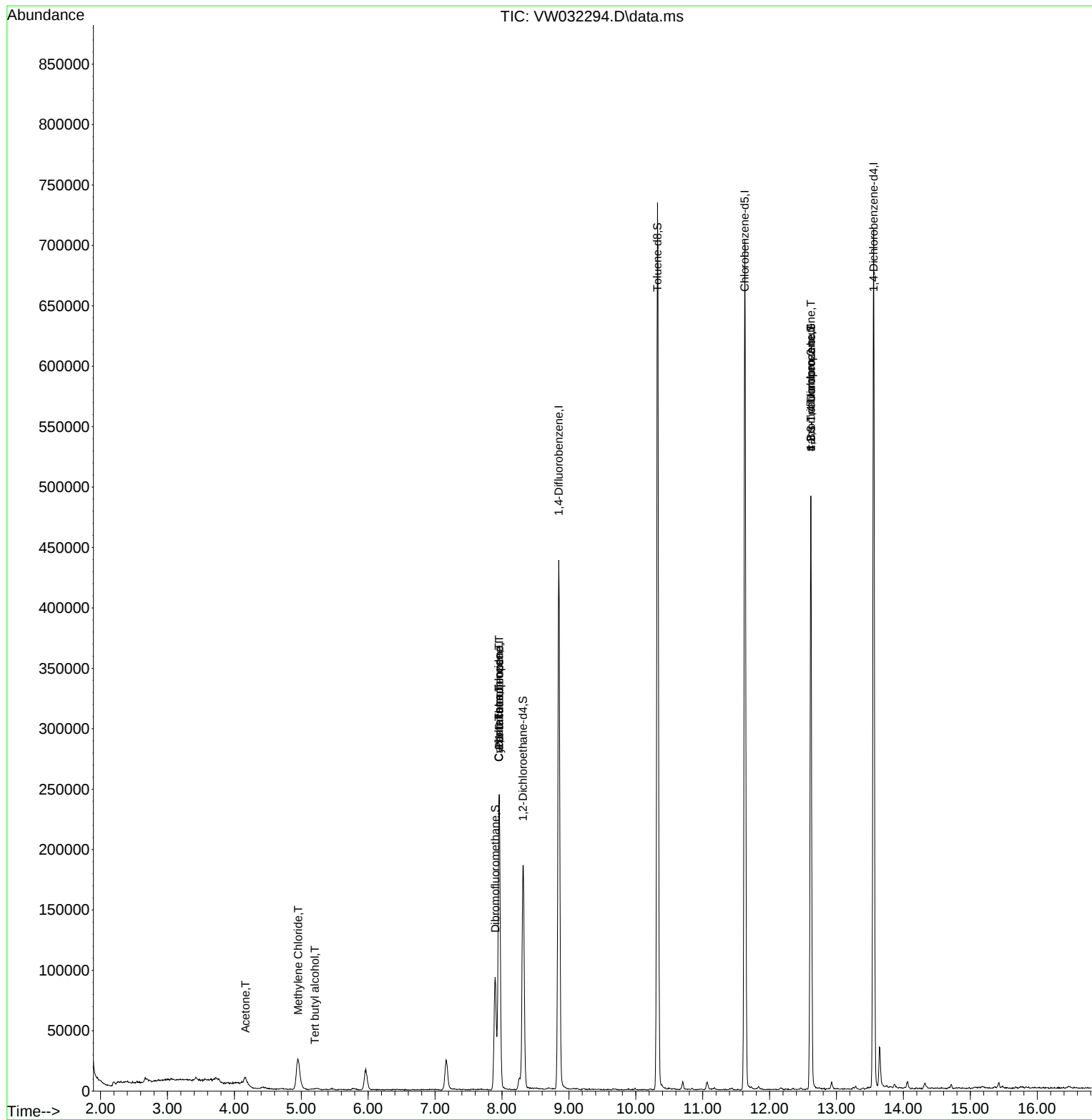
Internal Standards						
1) Pentafluorobenzene	7.959	168	166736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	358094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	380188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	175337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	158082	60.045	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 120.100%		
35) Dibromofluoromethane	7.898	113	69082	26.825	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 53.640%#		
50) Toluene-d8	10.325	98	473655	51.033	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 102.060%		
62) 4-Bromofluorobenzene	12.617	95	168709	48.189	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 96.380%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.204	59	241	1.319	ug/l #	57
16) Acetone	4.167	43	8200	12.128	ug/l	89
20) Methylene Chloride	4.954	84	22576	2.004	ug/l	96
31) Cyclohexane	7.953	56	4737	1.394	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	16319	4.700	ug/l #	49
38) Carbon Tetrachloride	7.953	117	17832	5.459	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	84426	34.999	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	84426	90.908	ug/l #	9

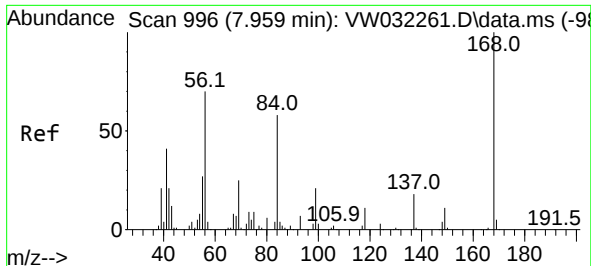
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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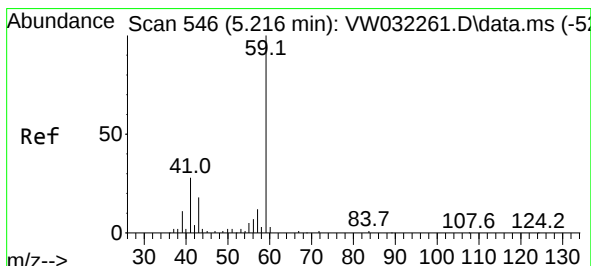
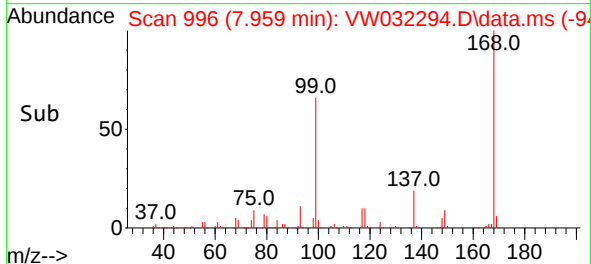
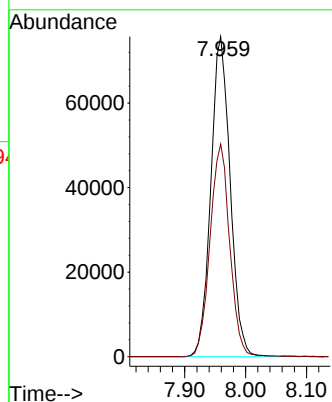
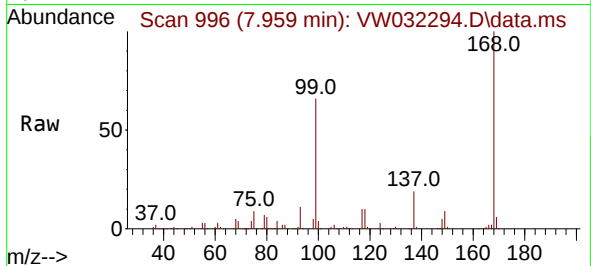




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

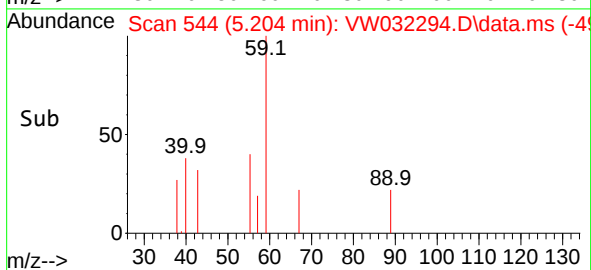
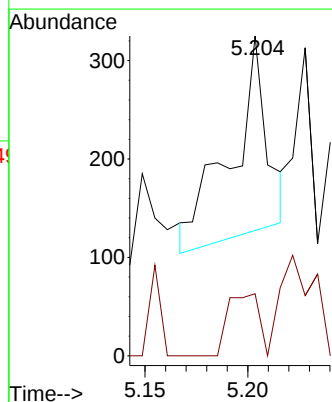
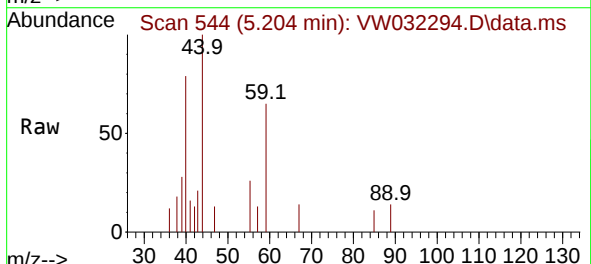
Instrument :
MSVOA_W
ClientSampleId :

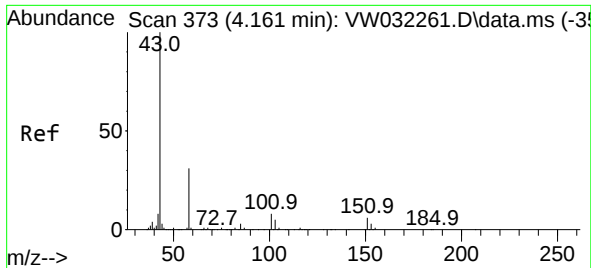
Tgt Ion:168 Resp: 166736
Ion Ratio Lower Upper
168 100
99 66.4 55.0 82.4



#11
Tert butyl alcohol
Concen: 1.319 ug/l
RT: 5.204 min Scan# 544
Delta R.T. -0.012 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

Tgt Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 27.4 8.9 13.3#

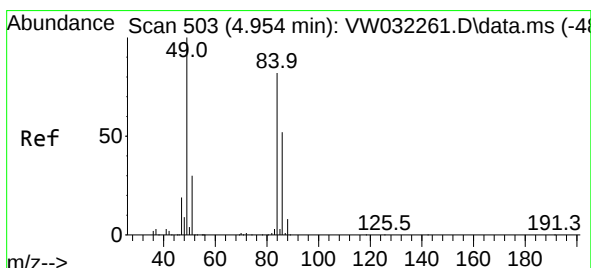
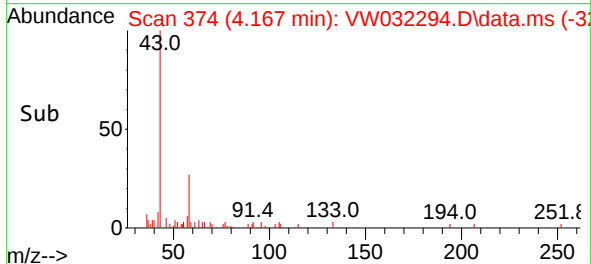
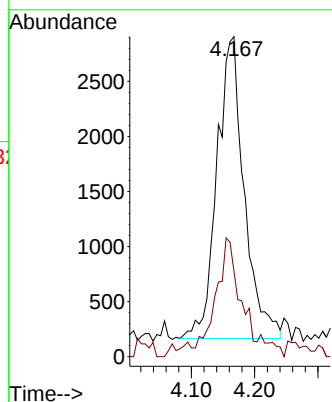
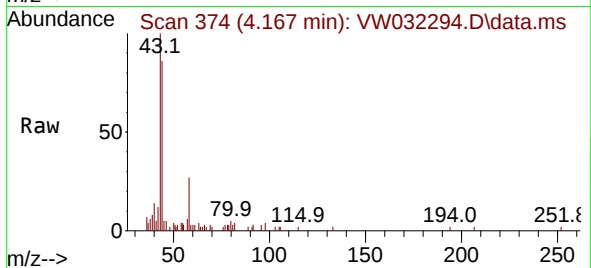




#16
Acetone
Concen: 12.128 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

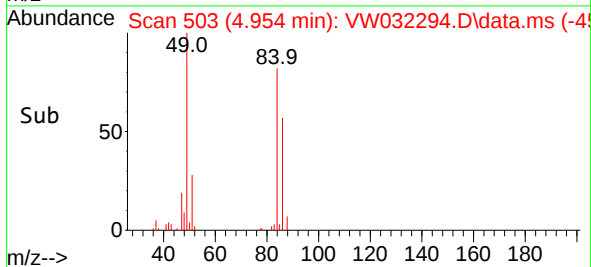
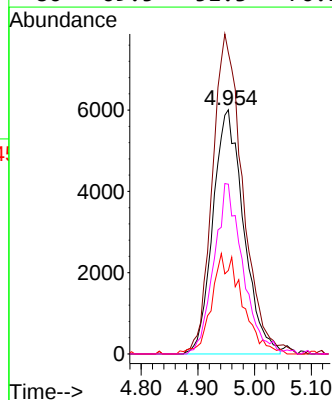
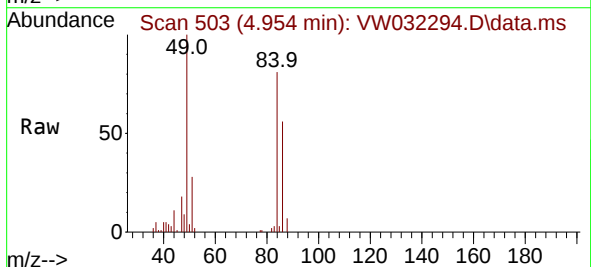
Instrument :
MSVOA_W
ClientSampleId :

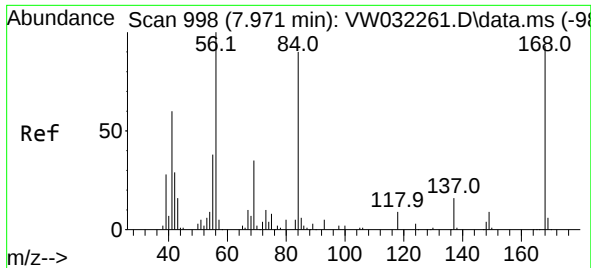
Tgt Ion: 43 Resp: 8200
Ion Ratio Lower Upper
43 100
58 25.8 25.4 38.0



#20
Methylene Chloride
Concen: 2.004 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

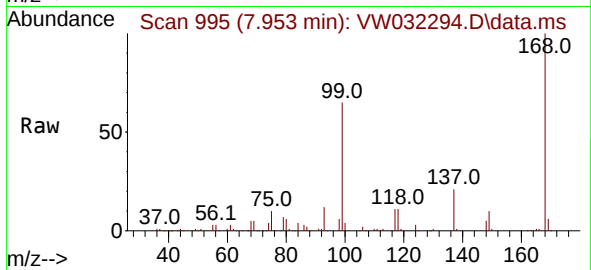
Tgt Ion: 84 Resp: 22576
Ion Ratio Lower Upper
84 100
49 123.3 97.8 146.6
51 32.9 29.9 44.9
86 69.5 51.3 76.9



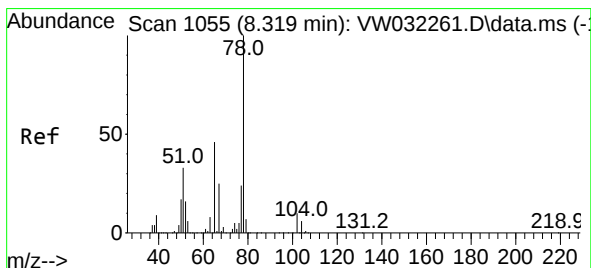
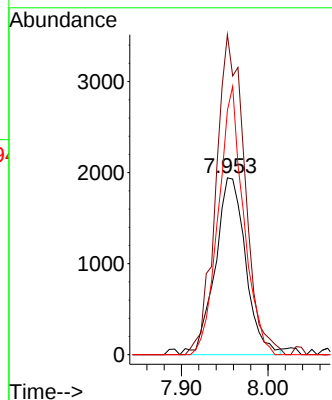
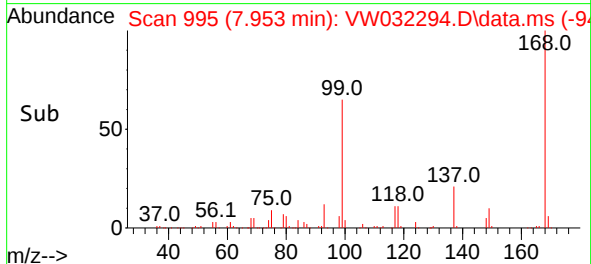


#31
Cyclohexane
Concen: 1.394 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

Instrument :
MSVOA_W
ClientSampleId :

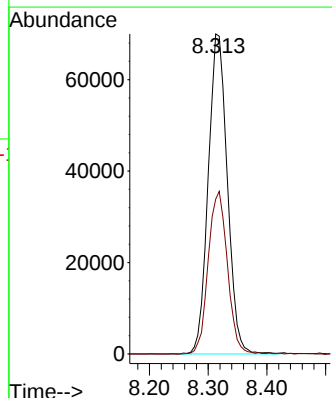
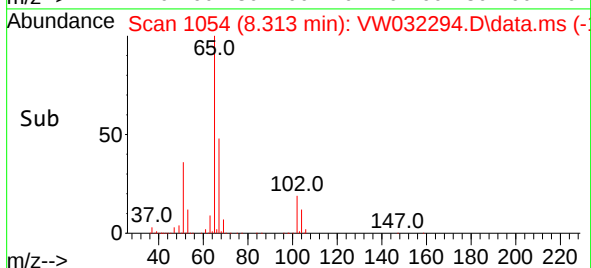
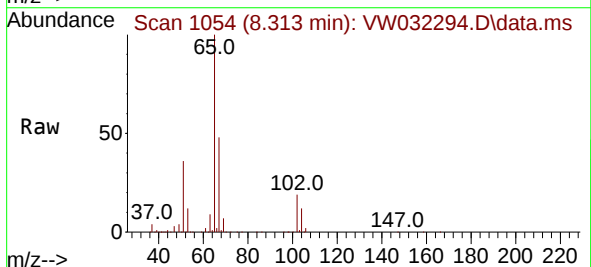


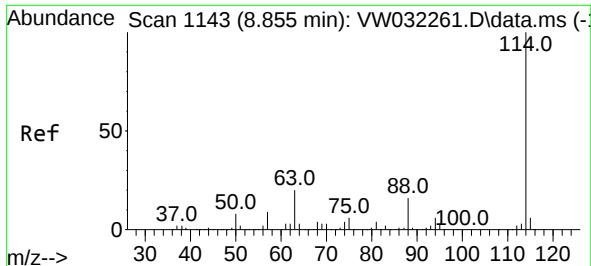
Tgt Ion: 56 Resp: 4737
Ion Ratio Lower Upper
56 100
69 180.9 28.2 42.2#
84 138.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 60.045 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

Tgt Ion: 65 Resp: 158082
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032294.D

Acq: 29 Sep 2025 14:16

Instrument :

MSVOA_W

ClientSampleId :

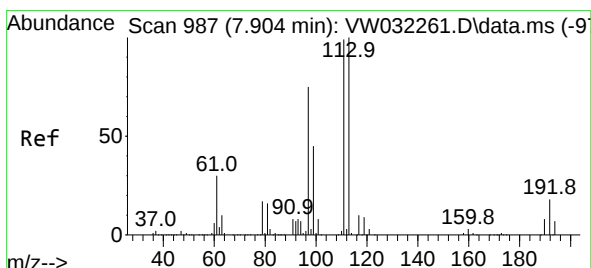
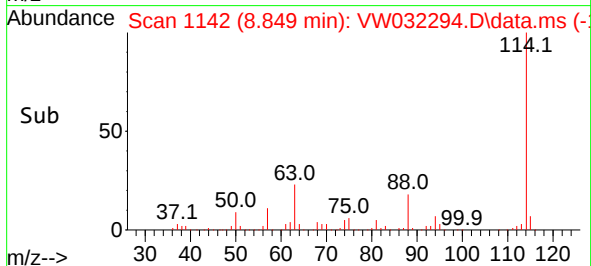
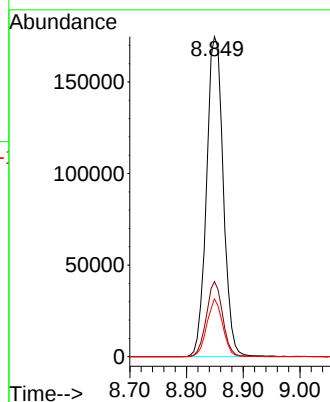
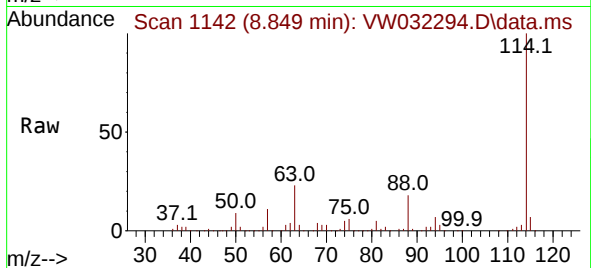
Tgt Ion:114 Resp: 358094

Ion Ratio Lower Upper

114 100

63 23.5 0.0 40.2

88 18.0 0.0 32.0



#35

Dibromofluoromethane

Concen: 26.825 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032294.D

Acq: 29 Sep 2025 14:16

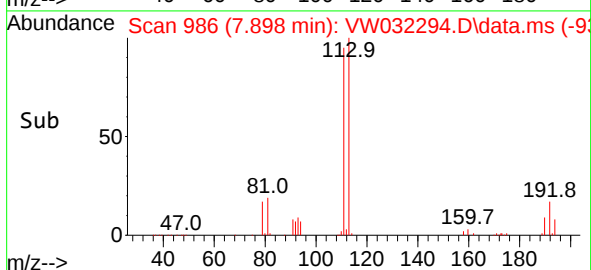
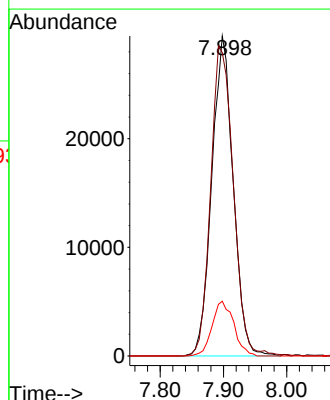
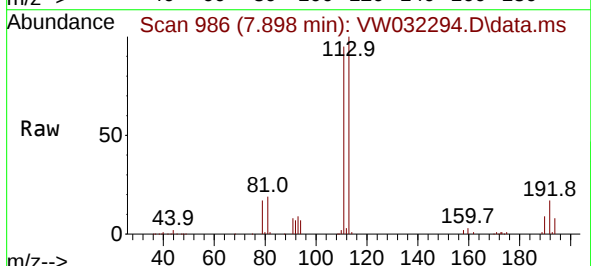
Tgt Ion:113 Resp: 69082

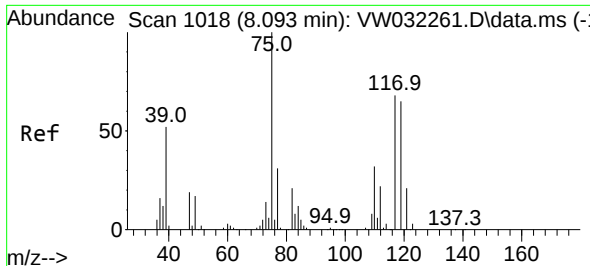
Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

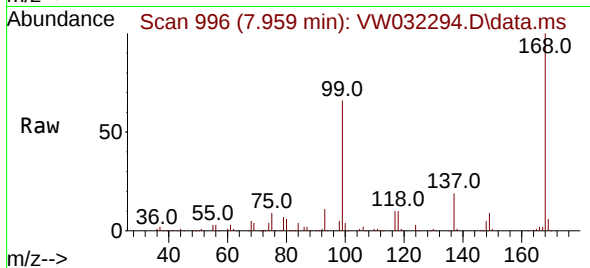
192 17.4 13.0 19.4



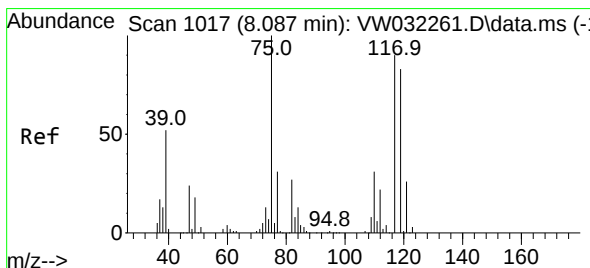
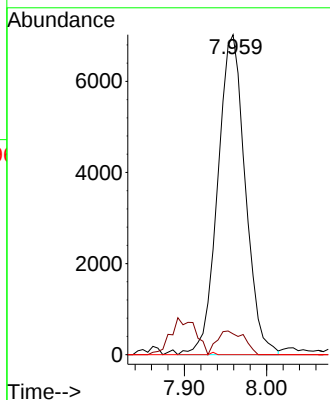
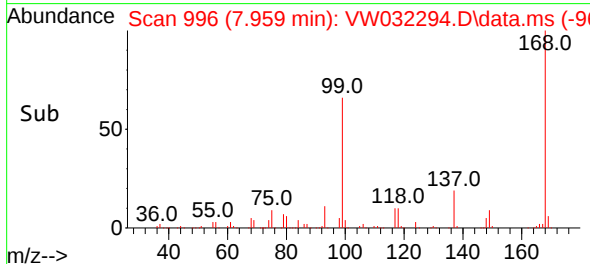


#36
1,1-Dichloropropene
Concen: 4.700 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

Instrument :
MSVOA_W
ClientSampleId :

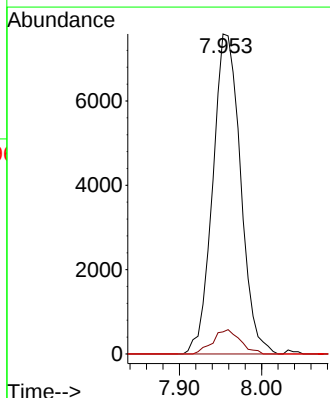
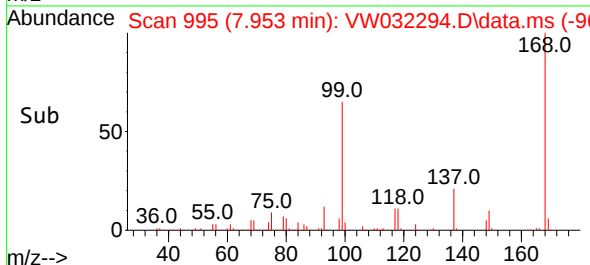
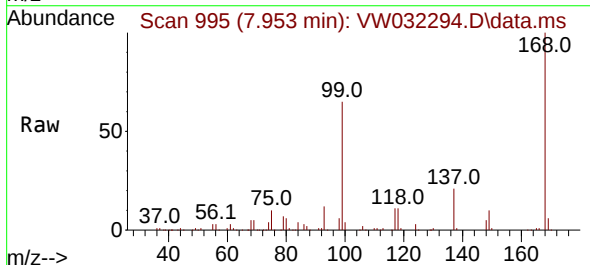


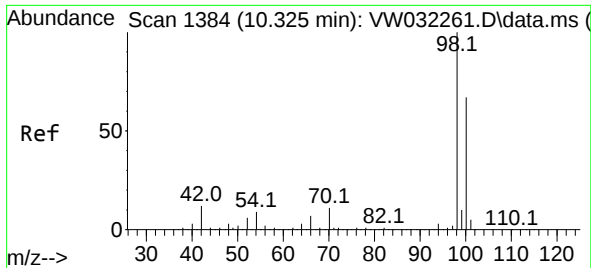
Tgt Ion: 75 Resp: 16319
Ion Ratio Lower Upper
75 100
110 7.3 16.7 50.1#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.459 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.134 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

Tgt Ion: 117 Resp: 17832
Ion Ratio Lower Upper
117 100
119 6.9 73.9 110.9#
121 0.0 23.0 34.6#

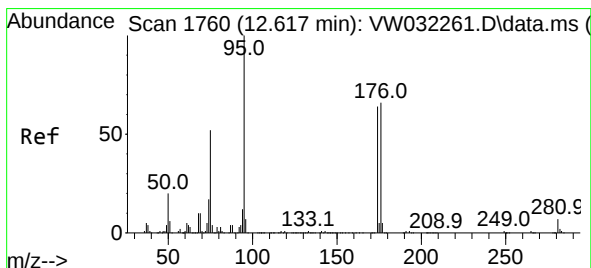
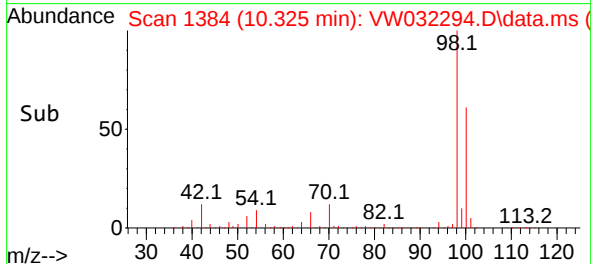
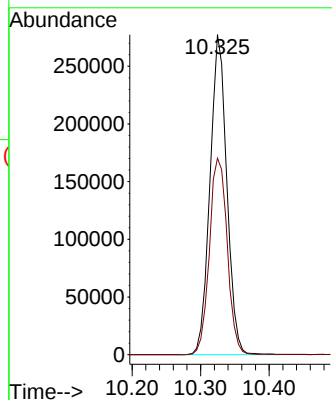
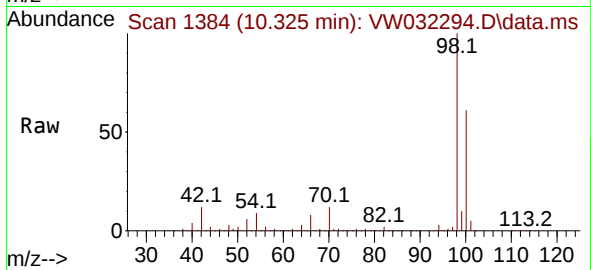




#50
Toluene-d8
Concen: 51.033 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

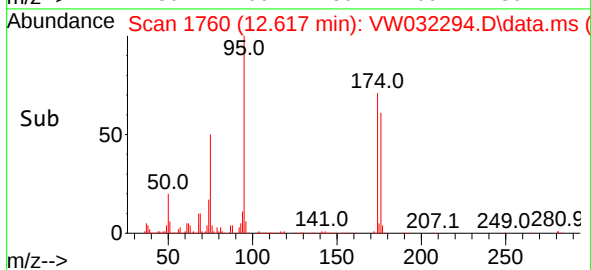
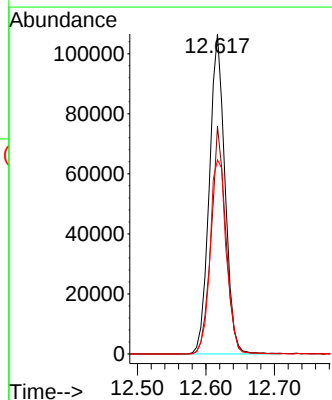
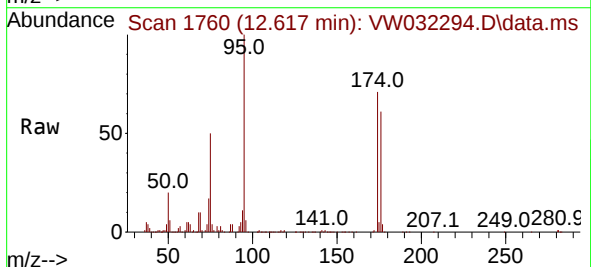
Instrument :
MSVOA_W
ClientSampleId :

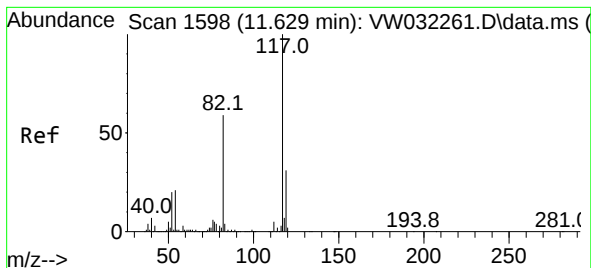
Tgt Ion: 98 Resp: 473655
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 48.189 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

Tgt Ion: 95 Resp: 168709
Ion Ratio Lower Upper
95 100
174 66.5 0.0 130.6
176 63.8 0.0 127.0

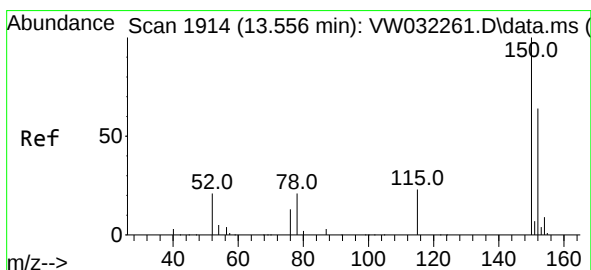
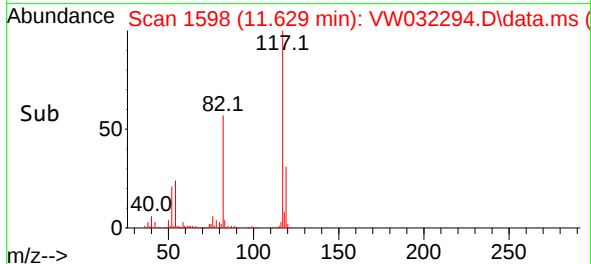
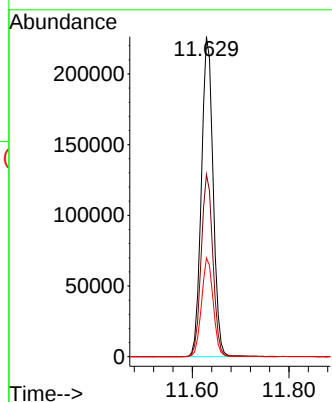
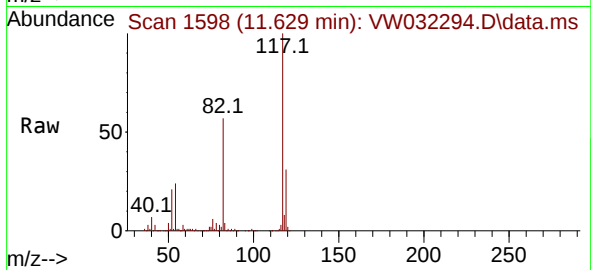




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

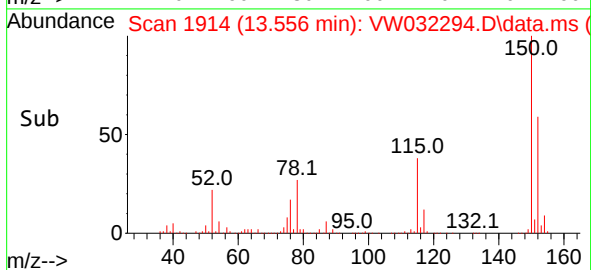
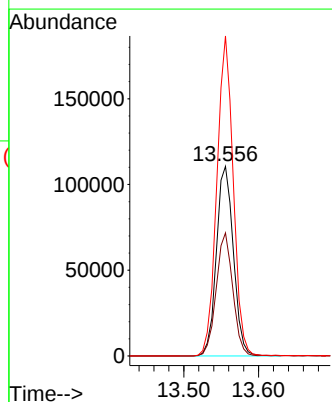
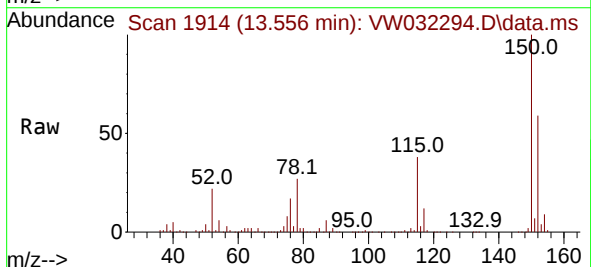
Instrument :
MSVOA_W
ClientSampleId :

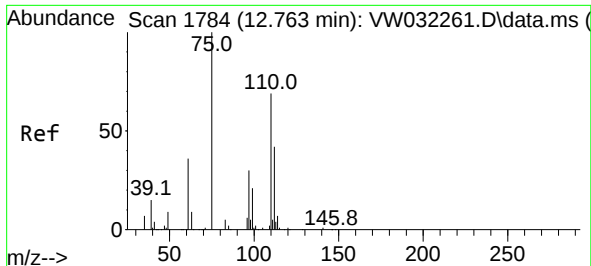
Tgt Ion:117 Resp: 380188
Ion Ratio Lower Upper
117 100
82 57.0 46.9 70.3
119 30.9 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

Tgt Ion:152 Resp: 175337
Ion Ratio Lower Upper
152 100
115 63.5 32.5 97.5
150 163.2 0.0 370.2

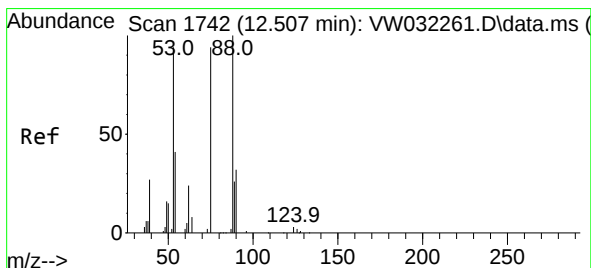
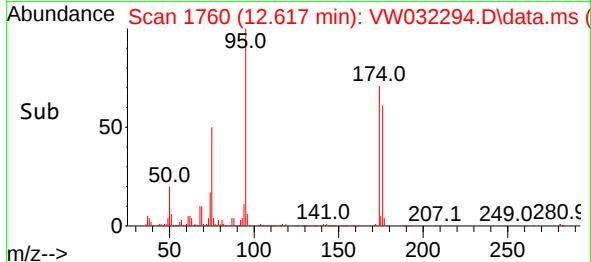
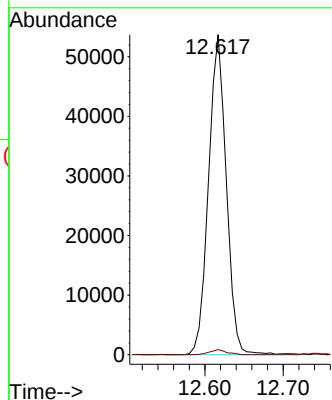
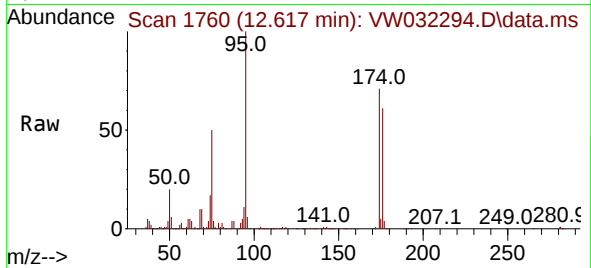




#76
1,2,3-Trichloropropane
Concen: 34.999 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 84426
Ion Ratio Lower Upper
75 100
77 1.5 140.9 422.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.908 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032294.D
Acq: 29 Sep 2025 14:16

Tgt Ion: 75 Resp: 84426
Ion Ratio Lower Upper
75 100
53 0.2 81.4 122.2#
89 0.1 35.4 53.2#

