

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032285.D
 Acq On : 26 Sep 2025 16:59
 Operator : SY/MD
 Sample : Q3231-15
 Misc : 5.63g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-4-VOC

Quant Time: Sep 29 08:41:39 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)

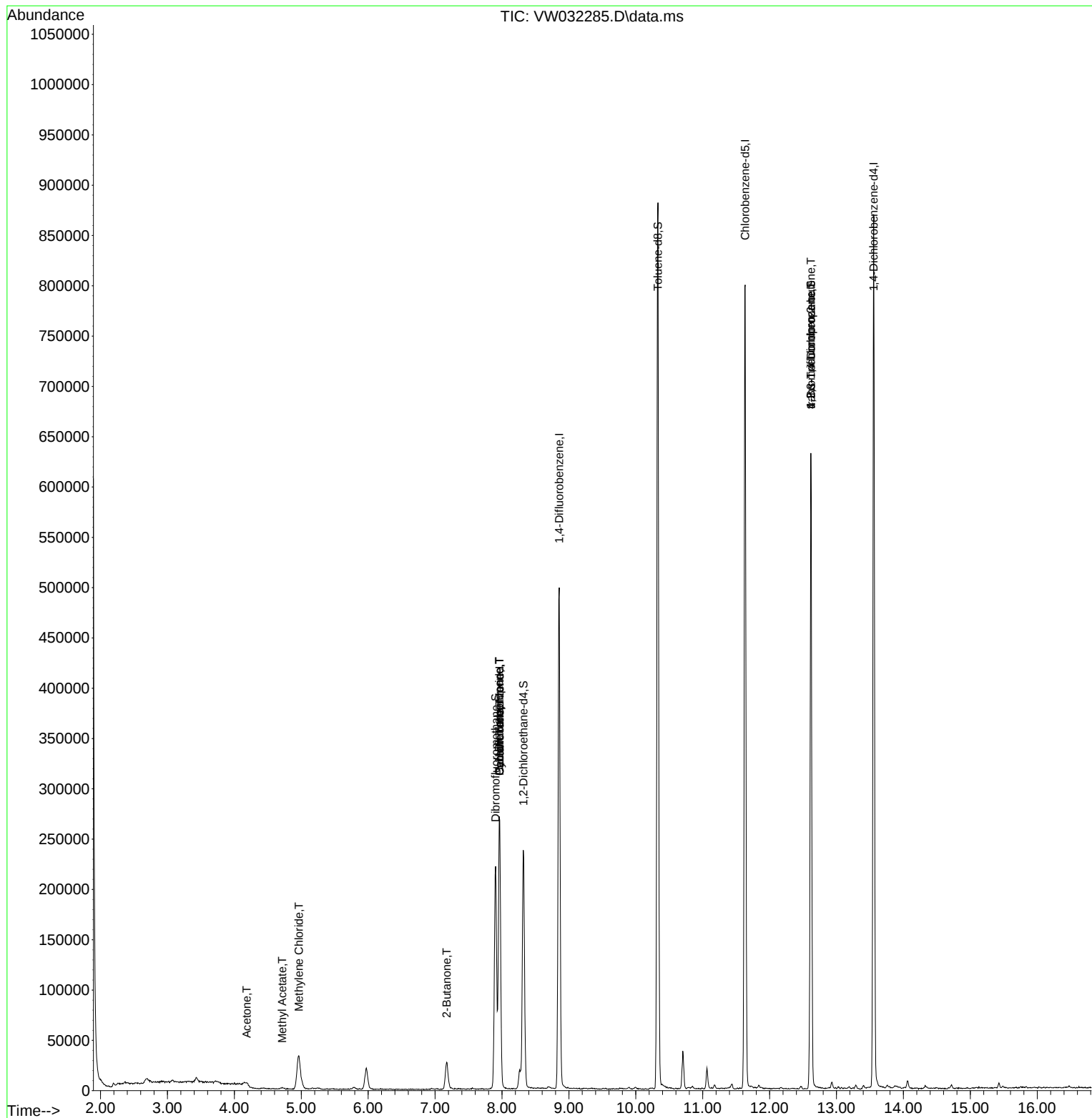
Internal Standards						
1) Pentafluorobenzene	7.965	168	183947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	414831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	437817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	220411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	197858	68.122	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 136.240%		
35) Dibromofluoromethane	7.904	113	163011	54.640	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 109.280%		
50) Toluene-d8	10.331	98	588478	54.732	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 109.460%		
62) 4-Bromofluorobenzene	12.617	95	215686	53.182	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 106.360%		
Target Compounds						
					Qvalue	
16) Acetone	4.185	43	2988	4.006	ug/l #	68
18) Methyl Acetate	4.716	43	2780	1.084	ug/l #	82
20) Methylene Chloride	4.966	84	31698	4.970	ug/l	88
25) 2-Butanone	7.173	43	1570	1.510	ug/l #	88
31) Cyclohexane	7.965	56	4920	1.312	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	17590	4.373	ug/l #	50
38) Carbon Tetrachloride	7.965	117	22278	5.887	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	108740	35.860	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	108740	93.144	ug/l #	9

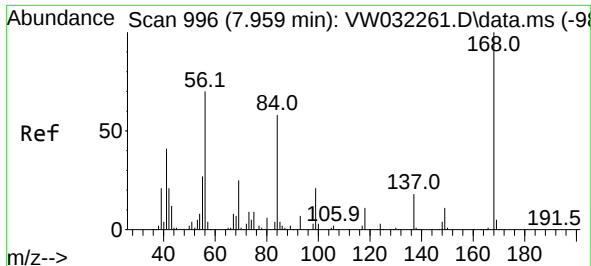
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
Data File : VW032285.D
Acq On : 26 Sep 2025 16:59
Operator : SY/MD
Sample : Q3231-15
Misc : 5.63g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-4-VOC

Quant Time: Sep 29 08:41:39 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

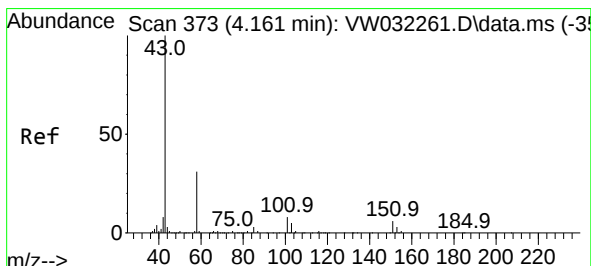
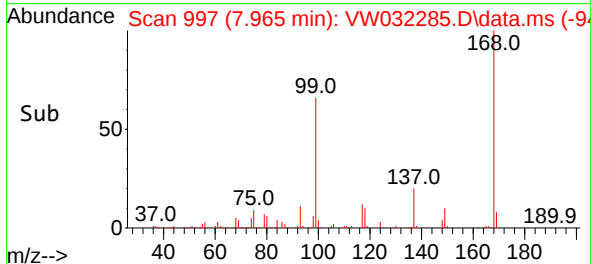
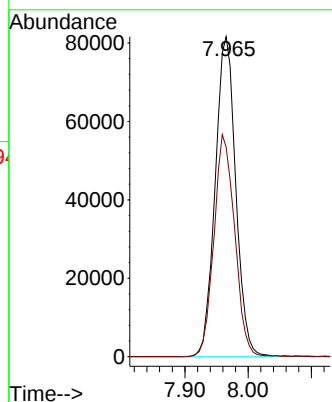
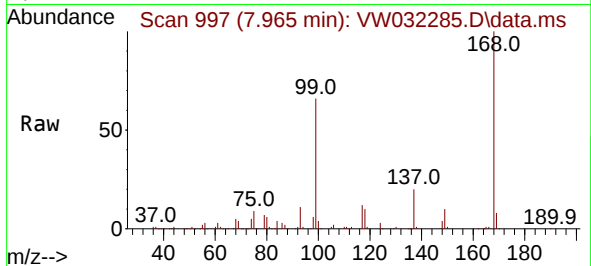




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

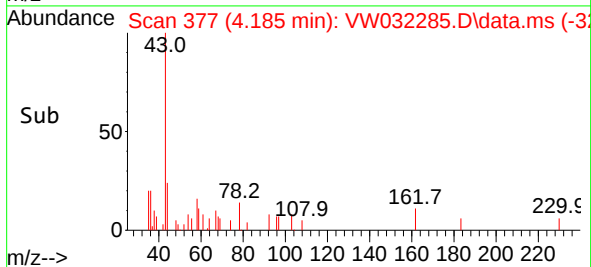
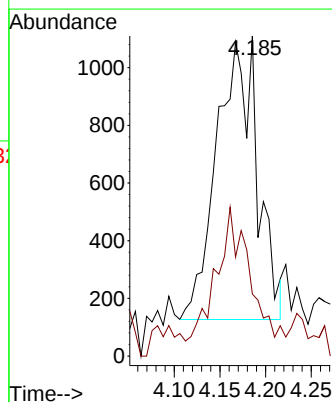
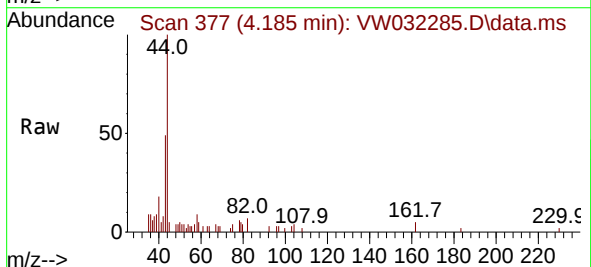
Instrument :
MSVOA_W
ClientSampleId :
WC-4-VOC

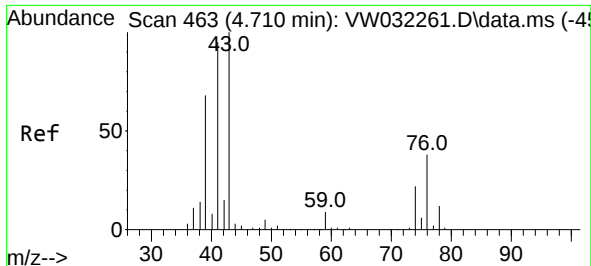
Tgt Ion:168 Resp: 183947
Ion Ratio Lower Upper
168 100
99 65.5 55.0 82.4



#16
Acetone
Concen: 4.006 ug/l
RT: 4.185 min Scan# 377
Delta R.T. 0.024 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

Tgt Ion: 43 Resp: 2988
Ion Ratio Lower Upper
43 100
58 13.9 25.4 38.0#

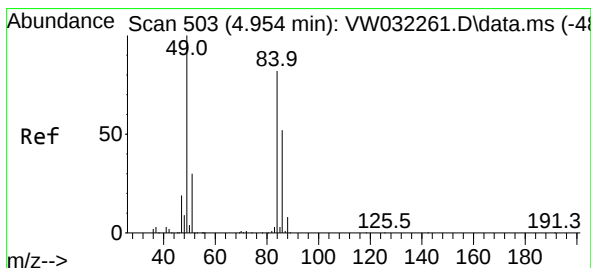
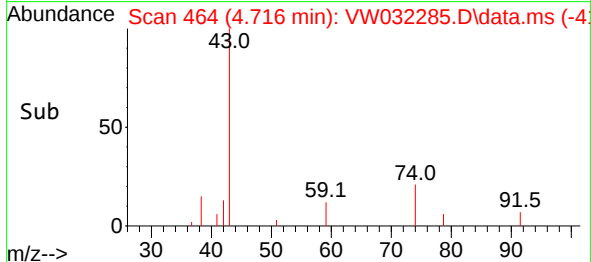
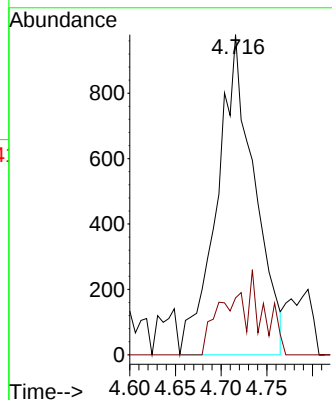
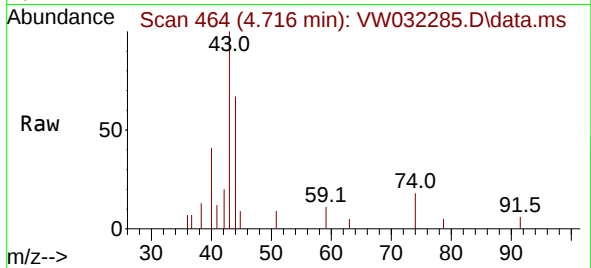




#18
Methyl Acetate
Concen: 1.084 ug/l
RT: 4.716 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

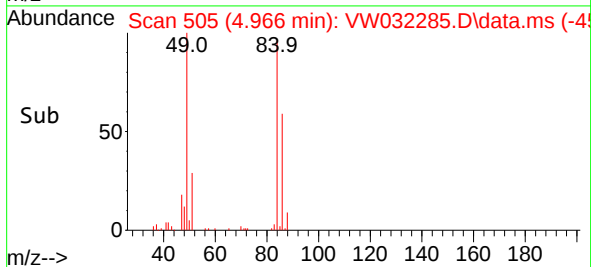
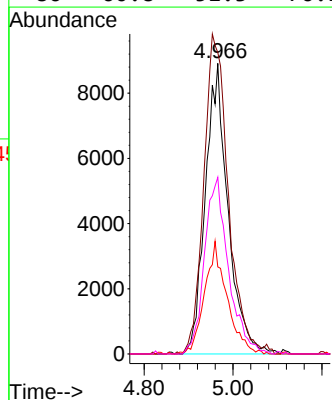
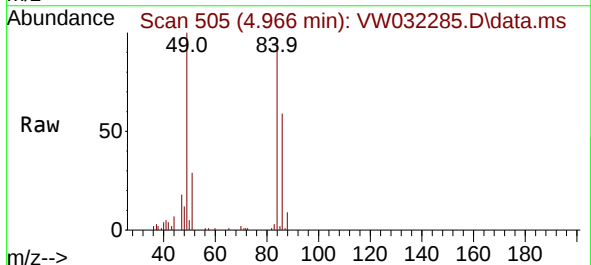
Instrument :
MSVOA_W
ClientSampleId :
WC-4-VOC

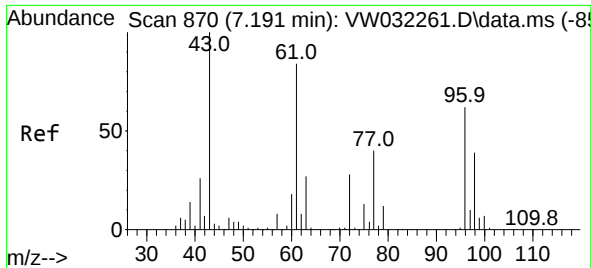
Tgt Ion: 43 Resp: 2780
Ion Ratio Lower Upper
43 100
74 14.5 18.8 28.2#



#20
Methylene Chloride
Concen: 4.970 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.012 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

Tgt Ion: 84 Resp: 31698
Ion Ratio Lower Upper
84 100
49 103.7 97.8 146.6
51 29.9 29.9 44.9
86 60.8 51.3 76.9

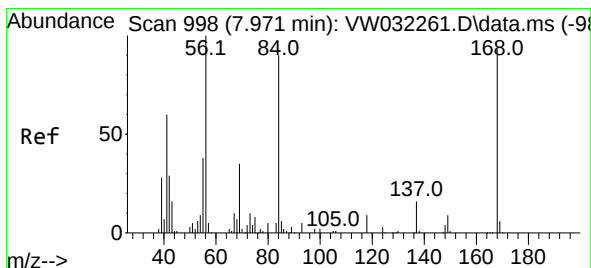
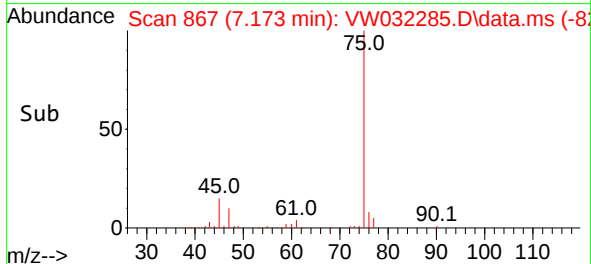
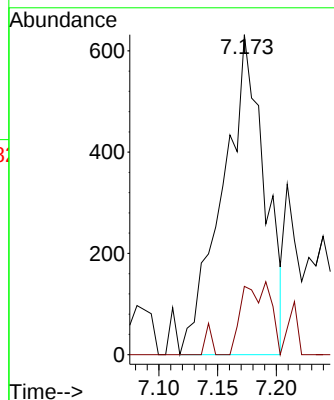
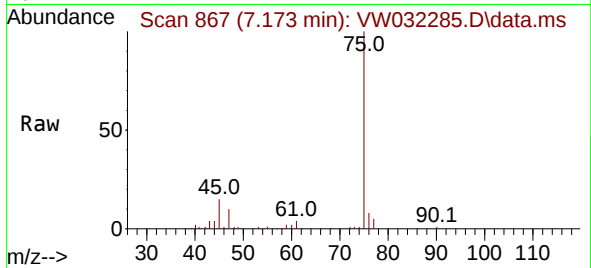




#25
2-Butanone
Concen: 1.510 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.018 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

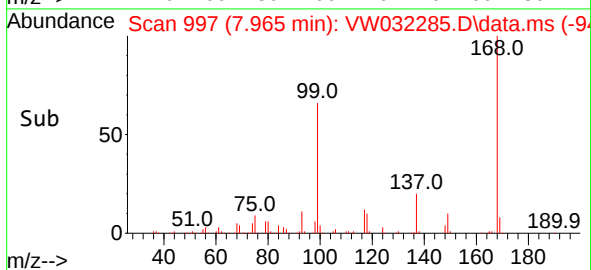
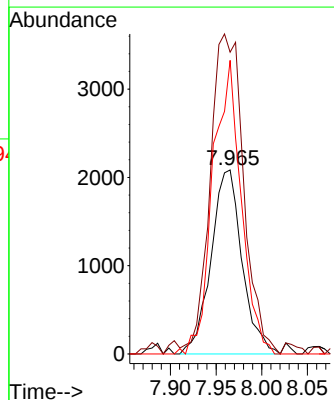
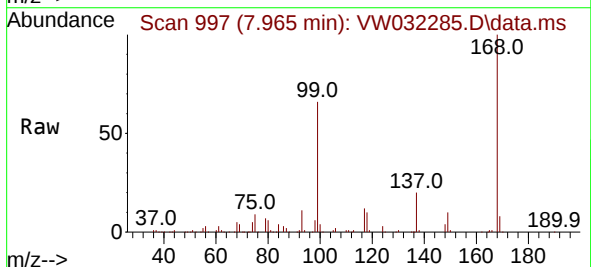
Instrument :
MSVOA_W
ClientSampleId :
WC-4-VOC

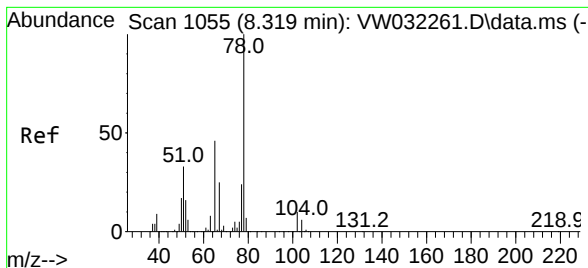
Tgt Ion: 43 Resp: 1570
Ion Ratio Lower Upper
43 100
72 21.4 22.3 33.5#



#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

Tgt Ion: 56 Resp: 4920
Ion Ratio Lower Upper
56 100
69 164.0 28.2 42.2#
84 159.5 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 68.122 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032285.D

Acq: 26 Sep 2025 16:59

Instrument :

MSVOA_W

ClientSampleId :

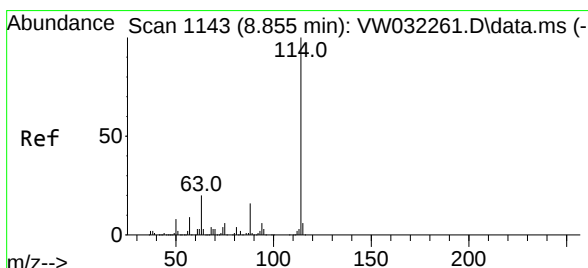
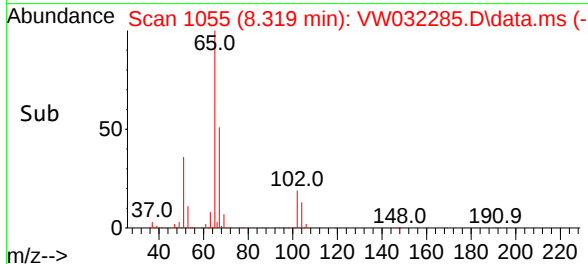
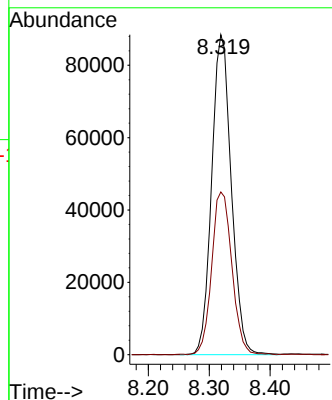
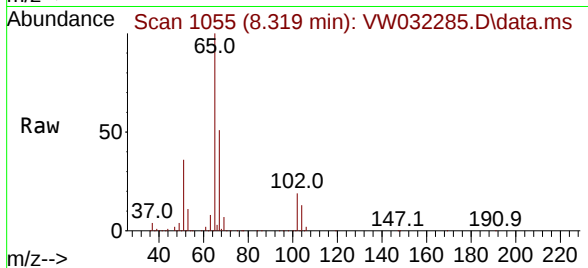
WC-4-VOC

Tgt Ion: 65 Resp: 197858

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW032285.D

Acq: 26 Sep 2025 16:59

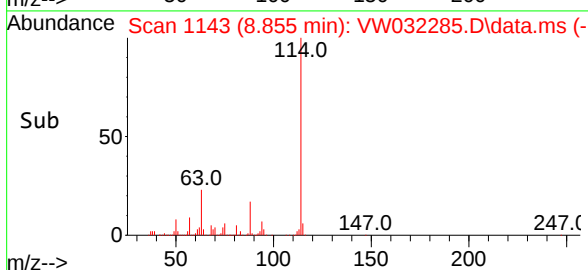
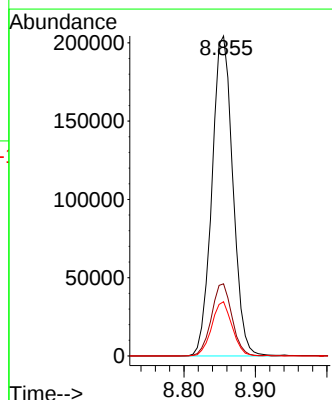
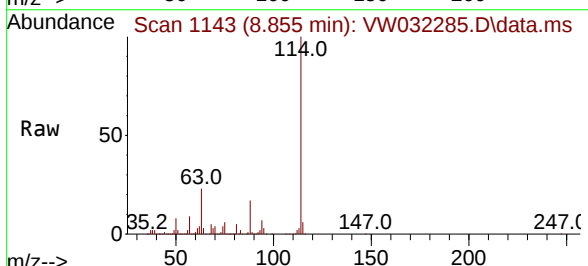
Tgt Ion: 114 Resp: 414831

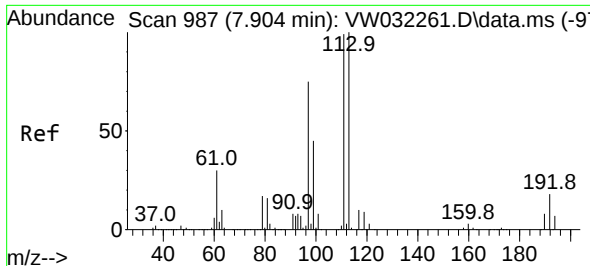
Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.2

88 16.9 0.0 32.0

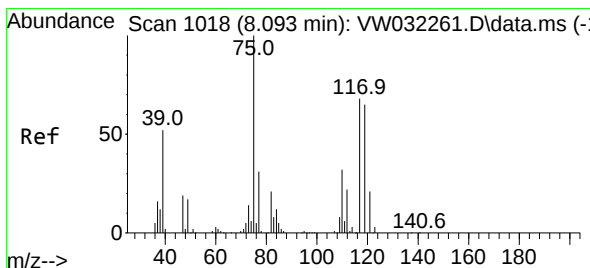
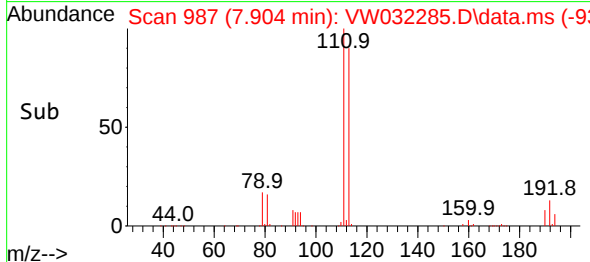
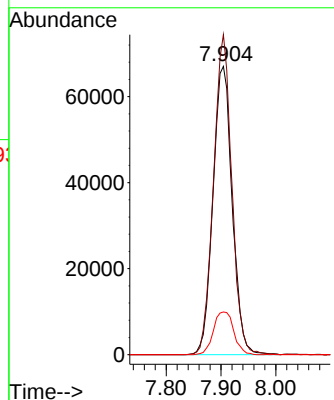
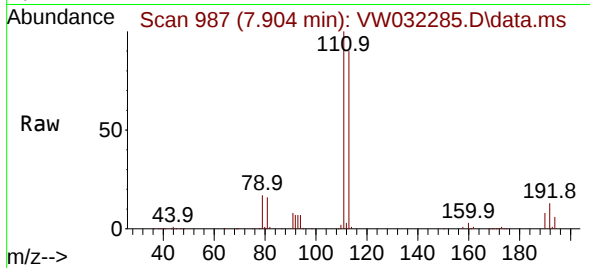




#35
Dibromofluoromethane
Concen: 54.640 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

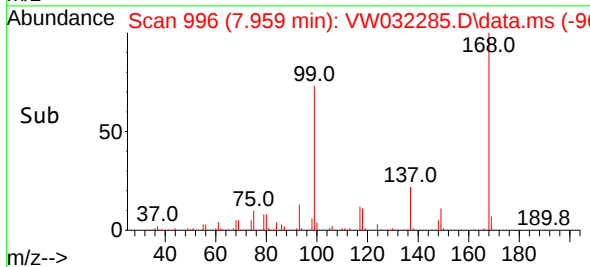
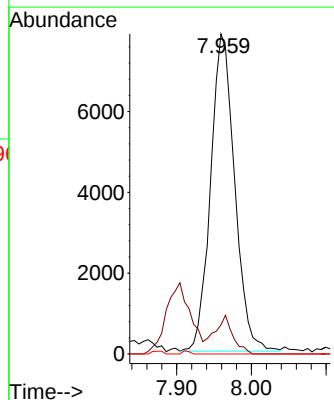
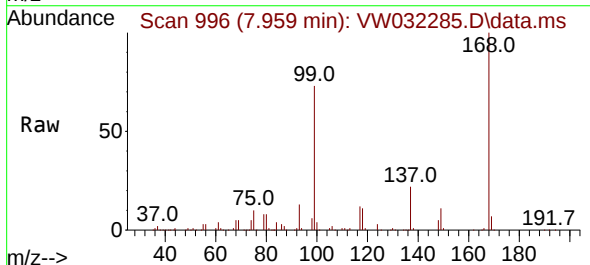
Instrument :
MSVOA_W
ClientSampleId :
WC-4-VOC

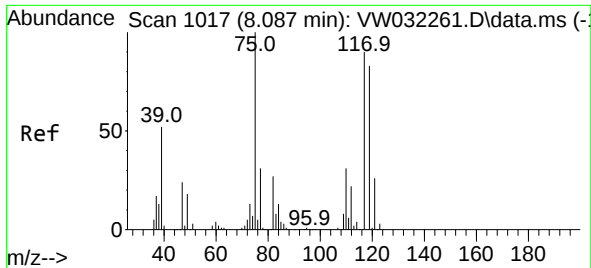
Tgt Ion:113 Resp: 163011
Ion Ratio Lower Upper
113 100
111 105.6 81.8 122.8
192 15.7 13.0 19.4



#36
1,1-Dichloropropene
Concen: 4.373 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

Tgt Ion: 75 Resp: 17590
Ion Ratio Lower Upper
75 100
110 8.6 16.7 50.1#
77 0.0 25.2 37.8#

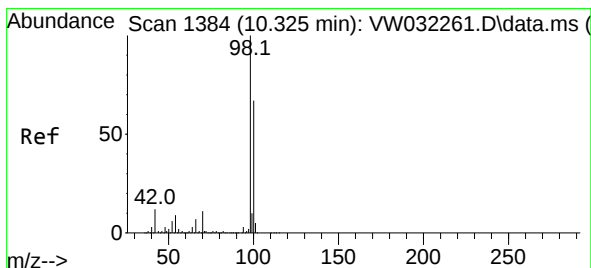
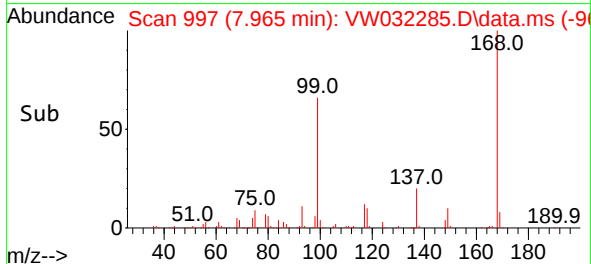
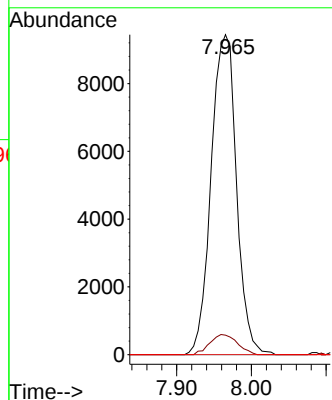
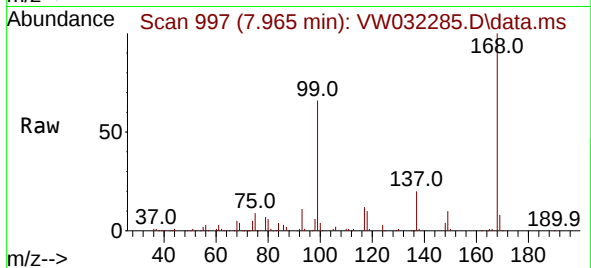




#38
Carbon Tetrachloride
Concen: 5.887 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

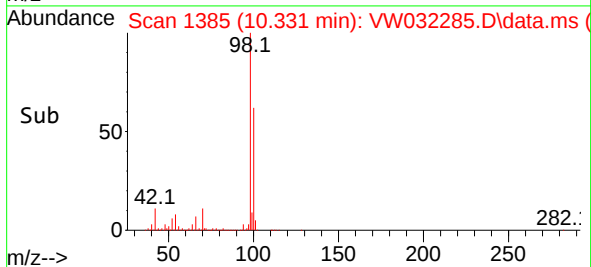
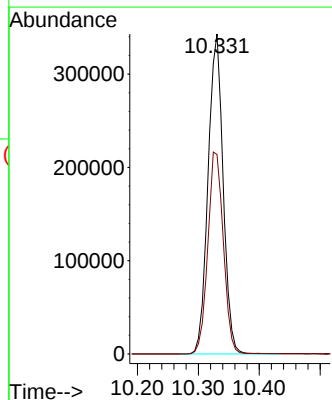
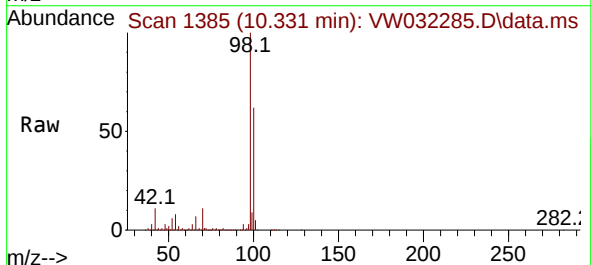
Instrument :
MSVOA_W
ClientSampleId :
WC-4-VOC

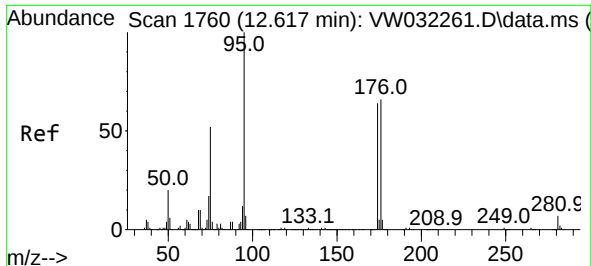
Tgt Ion:117 Resp: 22278
Ion Ratio Lower Upper
117 100
119 6.1 73.9 110.9#
121 0.0 23.0 34.6#



#50
Toluene-d8
Concen: 54.732 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

Tgt Ion: 98 Resp: 588478
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.4

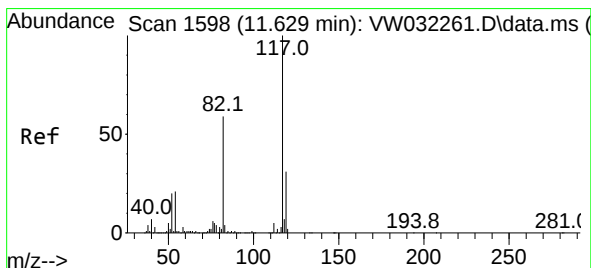
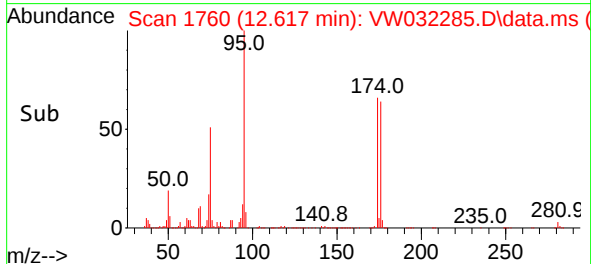
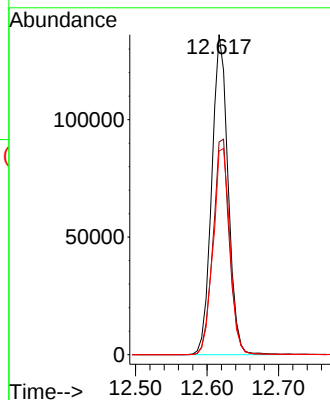
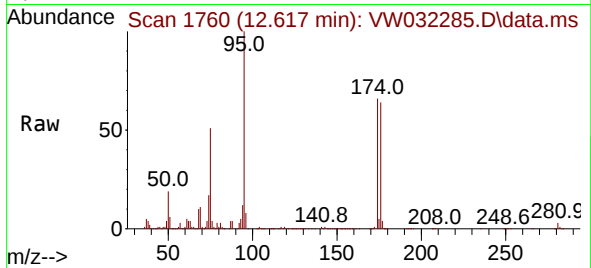




#62
4-Bromofluorobenzene
Concen: 53.182 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

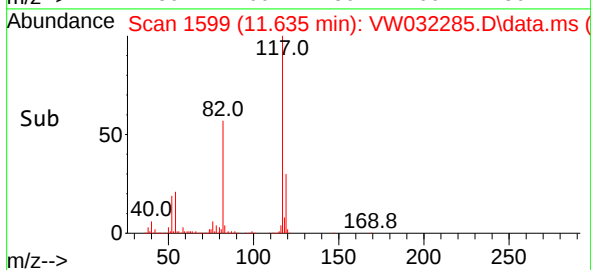
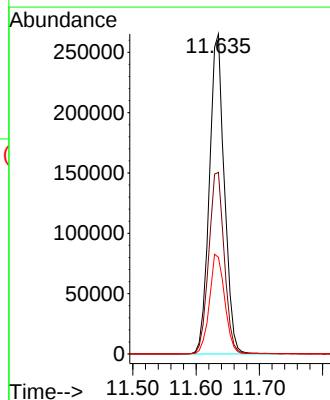
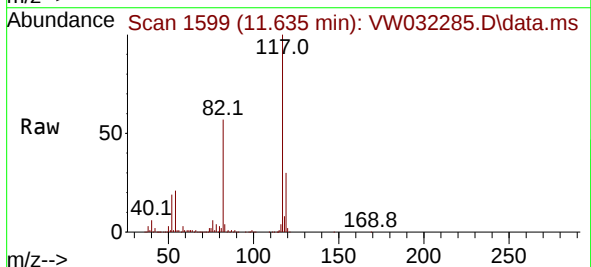
Instrument :
MSVOA_W
ClientSampleId :
WC-4-VOC

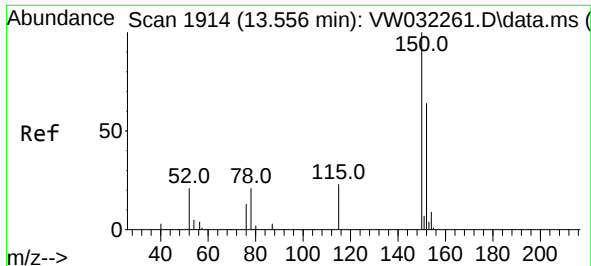
Tgt Ion: 95 Resp: 215686
Ion Ratio Lower Upper
95 100
174 68.0 0.0 130.6
176 66.3 0.0 127.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

Tgt Ion: 117 Resp: 437817
Ion Ratio Lower Upper
117 100
82 56.7 46.9 70.3
119 30.1 24.9 37.3

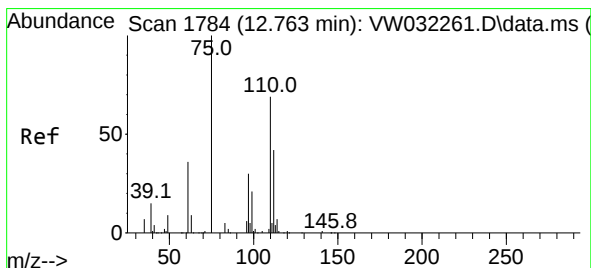
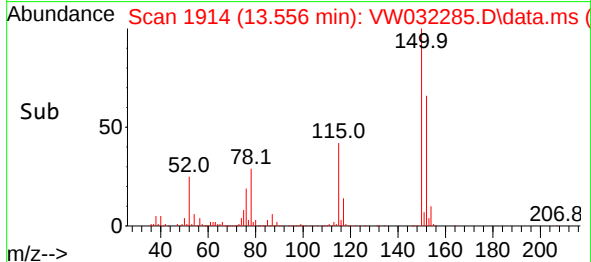
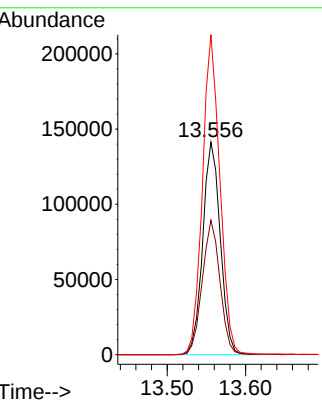
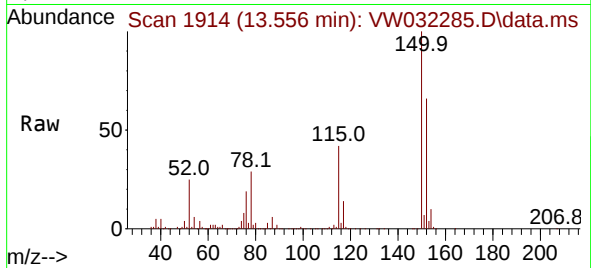




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032285.D
 Acq: 26 Sep 2025 16:59

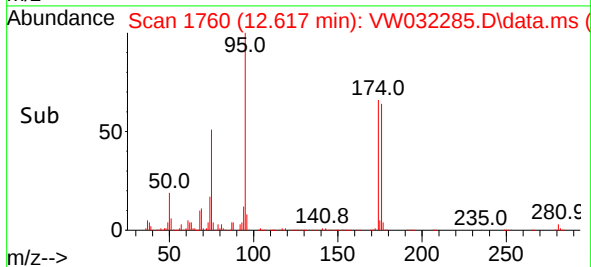
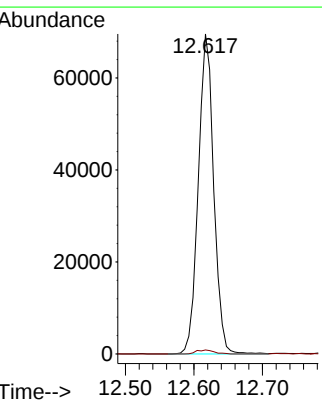
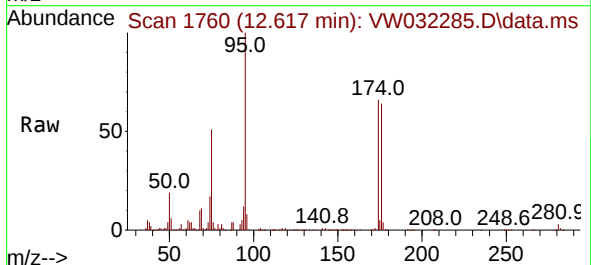
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-4-VOC

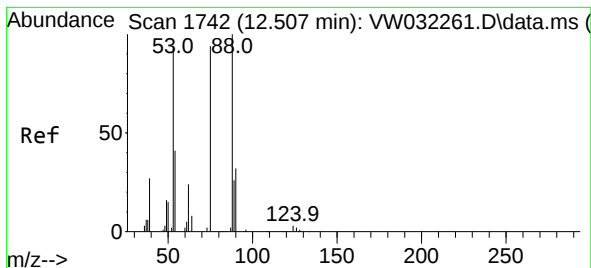
Tgt Ion:152 Resp: 220411
 Ion Ratio Lower Upper
 152 100
 115 63.8 32.5 97.5
 150 149.4 0.0 370.2



#76
 1,2,3-Trichloropropane
 Concen: 35.860 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032285.D
 Acq: 26 Sep 2025 16:59

Tgt Ion: 75 Resp: 108740
 Ion Ratio Lower Upper
 75 100
 77 1.4 140.9 422.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.144 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032285.D
 Acq: 26 Sep 2025 16:59

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-4-VOC

Tgt Ion: 75 Resp: 108740
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.4 122.2#
 89 0.1 35.4 53.2#

