

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092925\
 Data File : VW032292.D
 Acq On : 29 Sep 2025 11:52
 Operator : SY/MD
 Sample : Q3221-01
 Misc : 5.22g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 02:36:18 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	69334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	137638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	131382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	55223	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	59140	54.021	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	108.040%
35) Dibromofluoromethane	7.898	113	50003	50.516	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.040%
50) Toluene-d8	10.325	98	164485	46.108	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.220%
62) 4-Bromofluorobenzene	12.617	95	53876	40.038	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	80.080%

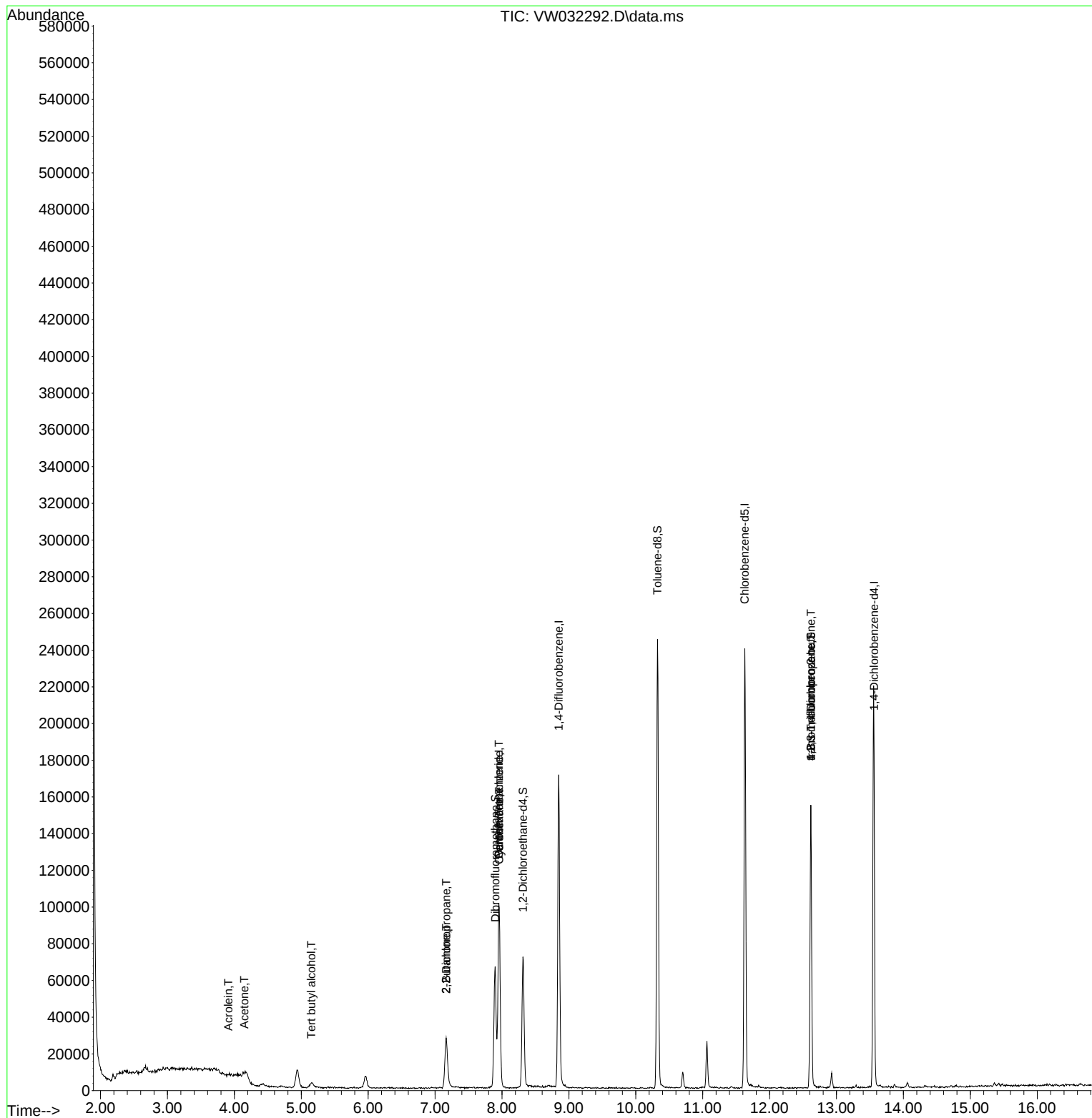
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.149	59	2836	37.319	ug/l #	77
13) Acrolein	3.911	56	372	2.750	ug/l #	59
16) Acetone	4.149	43	4375	15.561	ug/l #	76
20) Methylene Chloride	4.942	84	7020	Below Cal	#	94
25) 2-Butanone	7.167	43	1882	4.802	ug/l #	74
26) 2,2-Dichloropropane	7.167	77	1909	2.161	ug/l #	52
31) Cyclohexane	7.959	56	2059	1.457	ug/l #	1
38) Carbon Tetrachloride	7.953	117	8110	6.459	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	27031	35.579	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	27031	92.415	ug/l #	9

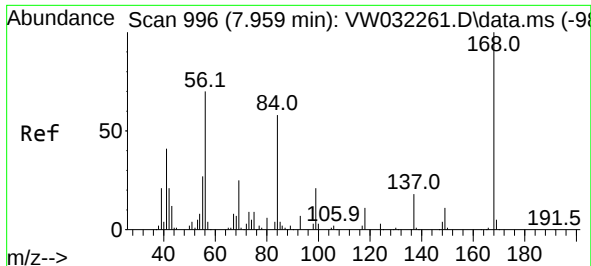
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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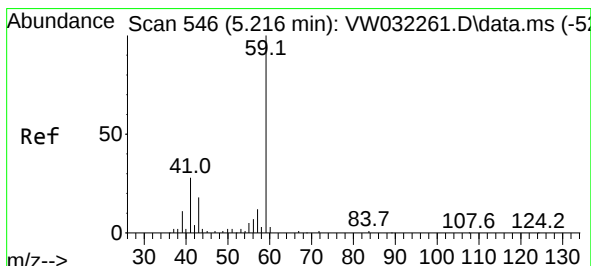
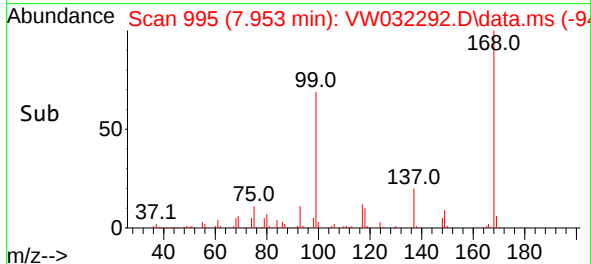
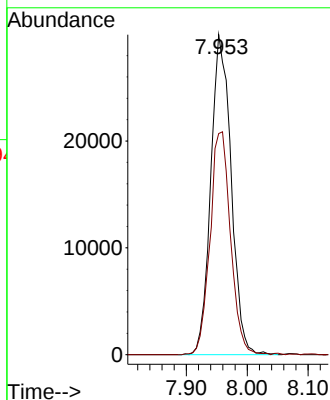
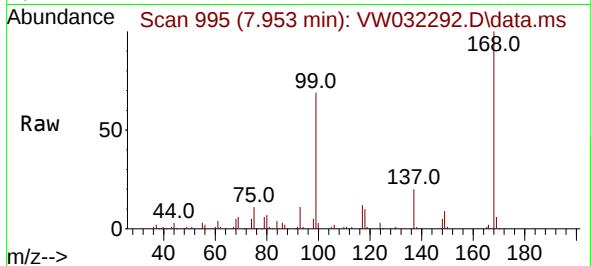




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032292.D
Acq: 29 Sep 2025 11:52

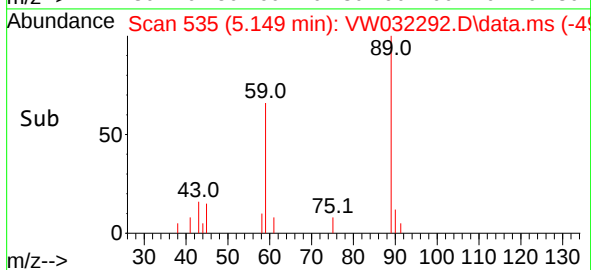
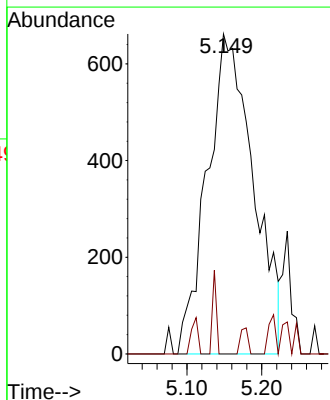
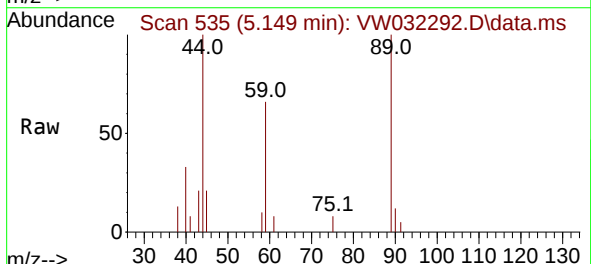
Instrument :
MSVOA_W
ClientSampleId :

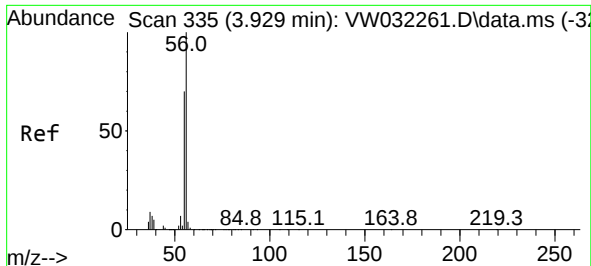
Tgt Ion:168 Resp: 69334
Ion Ratio Lower Upper
168 100
99 69.1 55.0 82.4



#11
Tert butyl alcohol
Concen: 37.319 ug/l
RT: 5.149 min Scan# 535
Delta R.T. -0.067 min
Lab File: VW032292.D
Acq: 29 Sep 2025 11:52

Tgt Ion: 59 Resp: 2836
Ion Ratio Lower Upper
59 100
57 2.2 8.9 13.3#

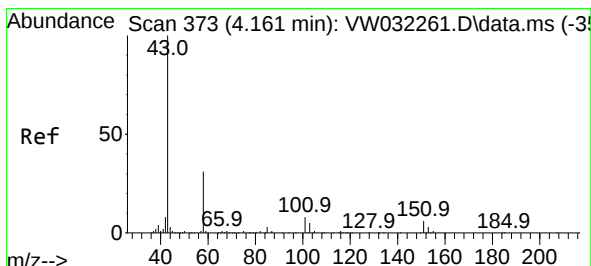
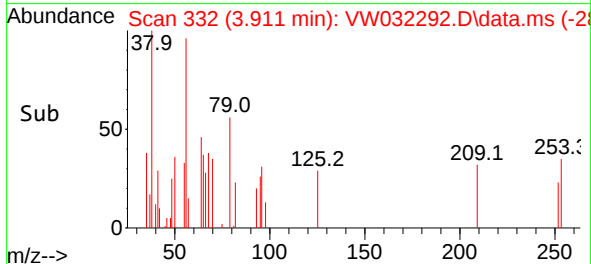
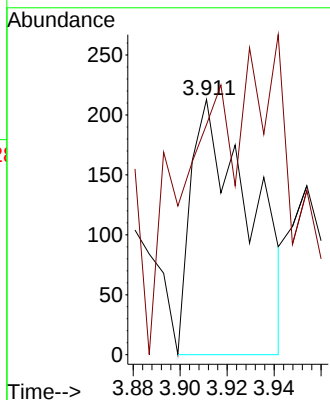
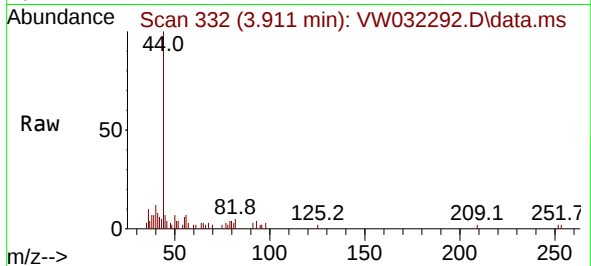




#13
Acrolein
Concen: 2.750 ug/l
RT: 3.911 min Scan# 311
Delta R.T. -0.018 min
Lab File: VW032292.D
Acq: 29 Sep 2025 11:52

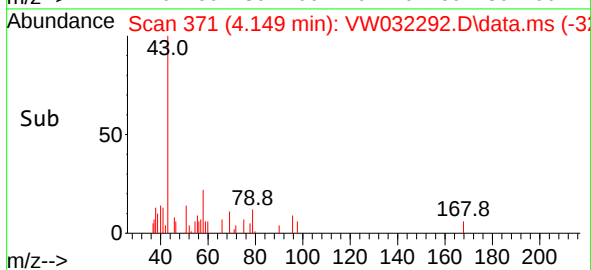
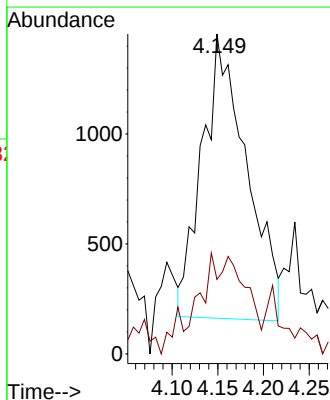
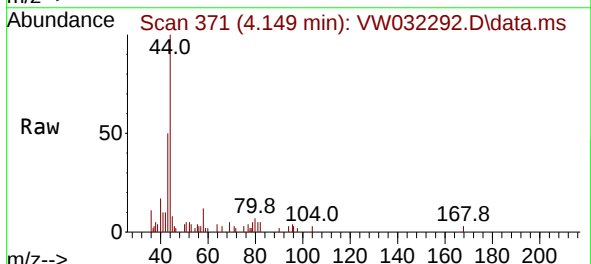
Instrument :
MSVOA_W
ClientSampleId :

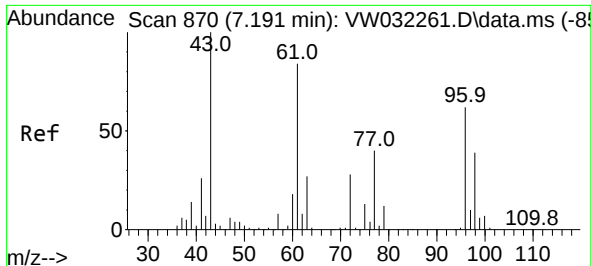
Tgt Ion: 56 Resp: 372
Ion Ratio Lower Upper
56 100
55 99.5 53.2 79.8#



#16
Acetone
Concen: 15.561 ug/l
RT: 4.149 min Scan# 371
Delta R.T. -0.012 min
Lab File: VW032292.D
Acq: 29 Sep 2025 11:52

Tgt Ion: 43 Resp: 4375
Ion Ratio Lower Upper
43 100
58 18.4 25.4 38.0#





#25

2-Butanone

Concen: 4.802 ug/l

RT: 7.167 min Scan# 866

Delta R.T. -0.024 min

Lab File: VW032292.D

Acq: 29 Sep 2025 11:52

Instrument :

MSVOA_W

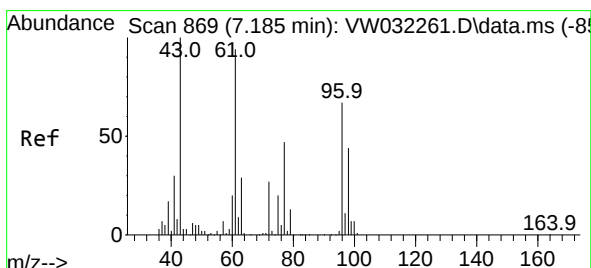
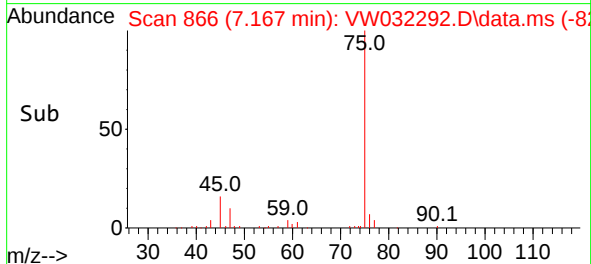
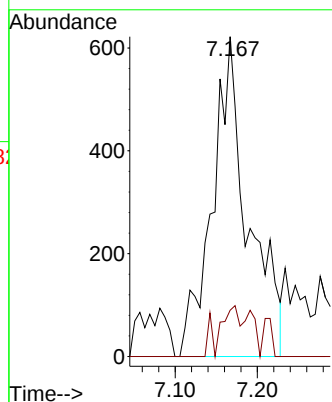
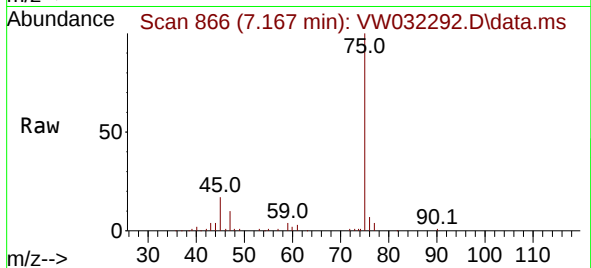
ClientSampleId :

Tgt Ion: 43 Resp: 1882

Ion Ratio Lower Upper

43 100

72 14.5 22.3 33.5#



#26

2,2-Dichloropropane

Concen: 2.161 ug/l

RT: 7.167 min Scan# 866

Delta R.T. -0.018 min

Lab File: VW032292.D

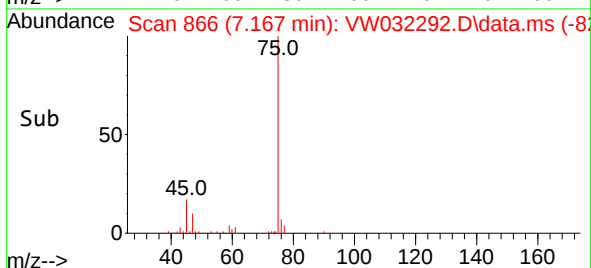
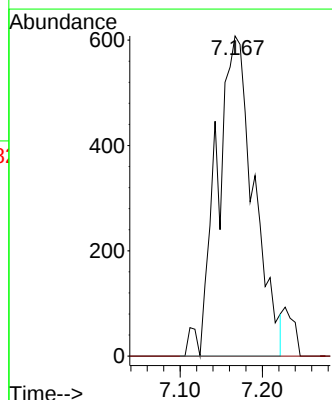
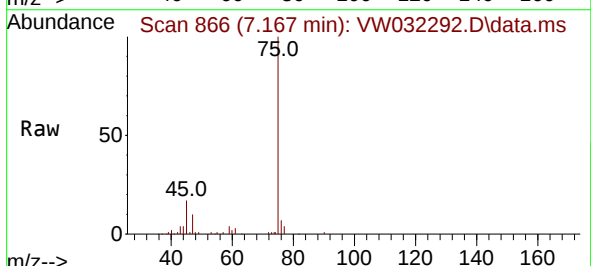
Acq: 29 Sep 2025 11:52

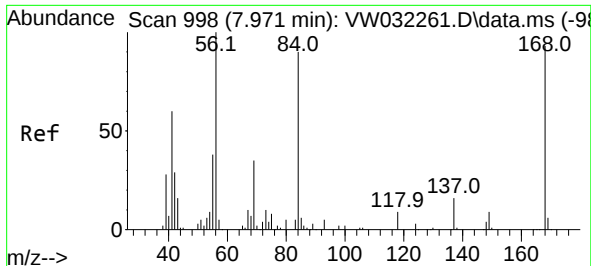
Tgt Ion: 77 Resp: 1909

Ion Ratio Lower Upper

77 100

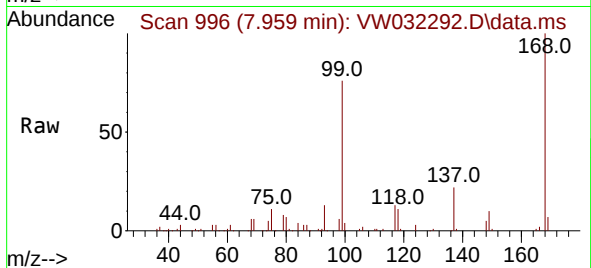
97 0.0 11.7 35.0#



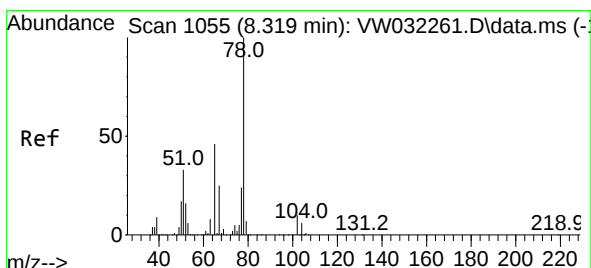
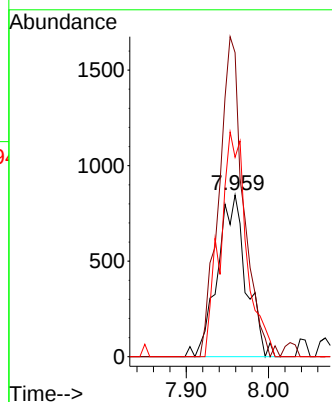
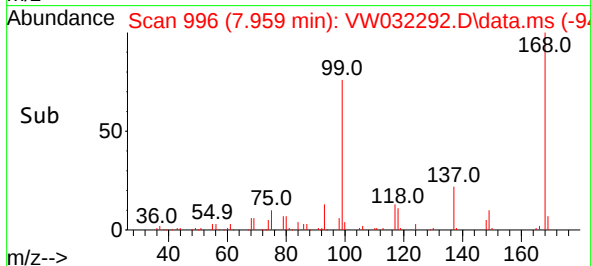


#31
Cyclohexane
Concen: 1.457 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032292.D
Acq: 29 Sep 2025 11:52

Instrument :
MSVOA_W
ClientSampleId :

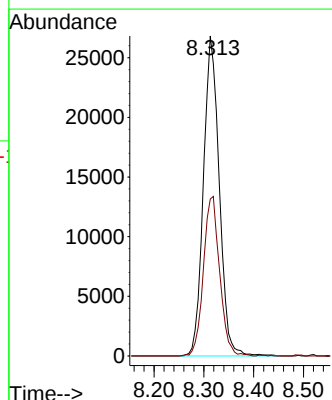
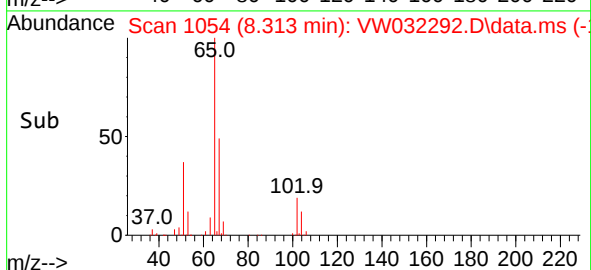
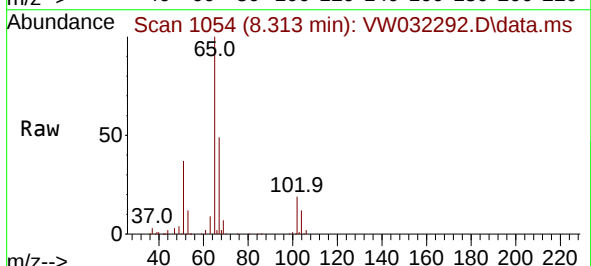


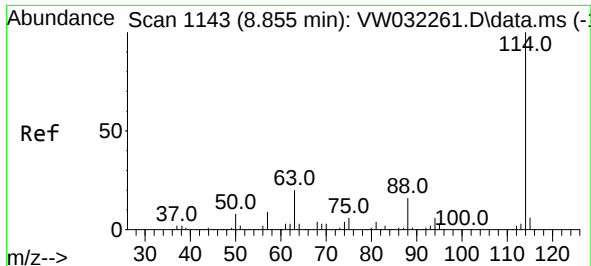
Tgt Ion: 56 Resp: 2059
Ion Ratio Lower Upper
56 100
69 187.8 28.2 42.2#
84 123.3 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 54.021 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032292.D
Acq: 29 Sep 2025 11:52

Tgt Ion: 65 Resp: 59140
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.8

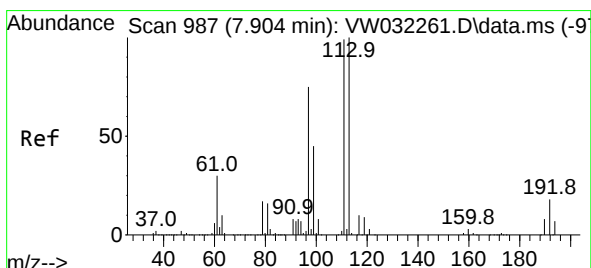
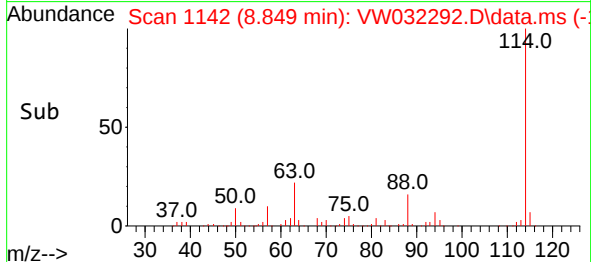
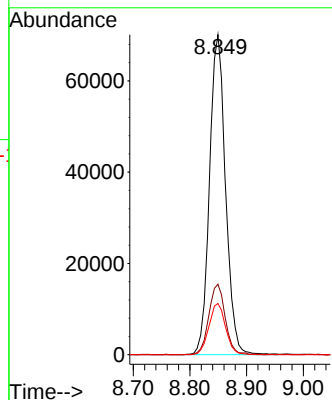
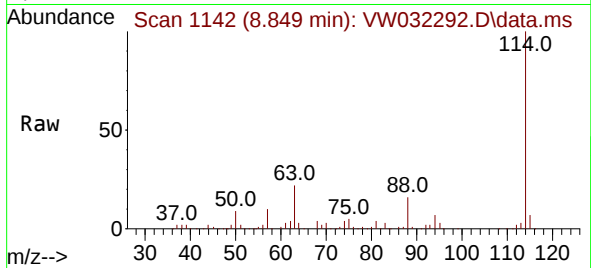




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW032292.D
Acq: 29 Sep 2025 11:52

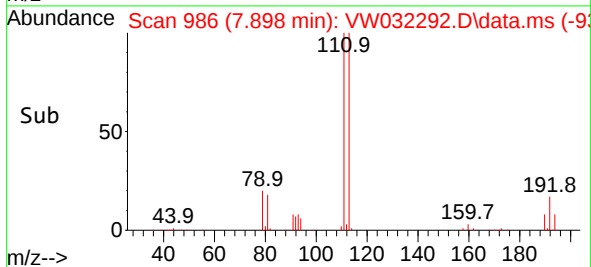
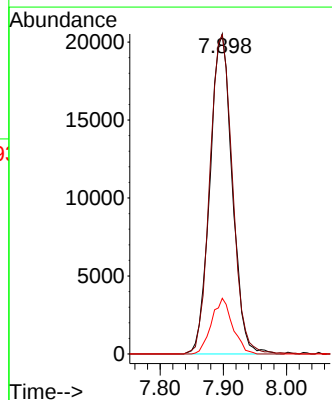
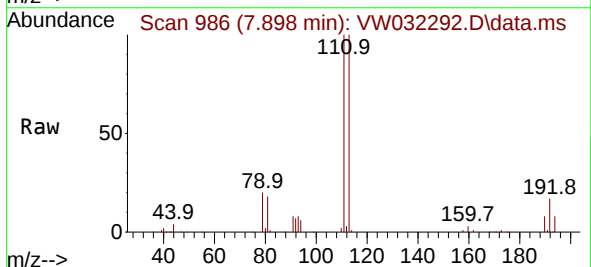
Instrument :
MSVOA_W
ClientSampleId :

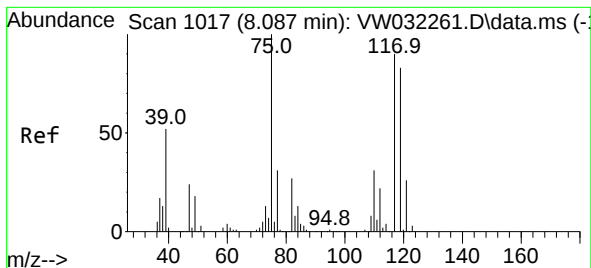
Tgt Ion:114 Resp: 137638
Ion Ratio Lower Upper
114 100
63 22.0 0.0 40.2
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.516 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032292.D
Acq: 29 Sep 2025 11:52

Tgt Ion:113 Resp: 50003
Ion Ratio Lower Upper
113 100
111 101.4 81.8 122.8
192 16.4 13.0 19.4





#38

Carbon Tetrachloride

Concen: 6.459 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.134 min

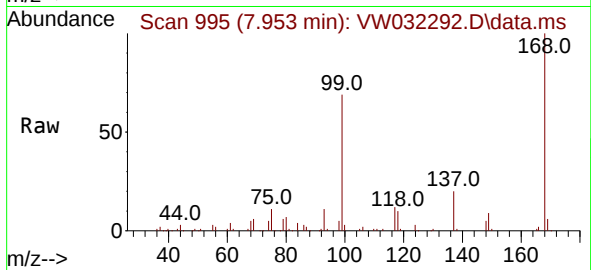
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Acq: 29 Sep 2025 11:52

Instrument :

MSVOA_W

ClientSampleId :



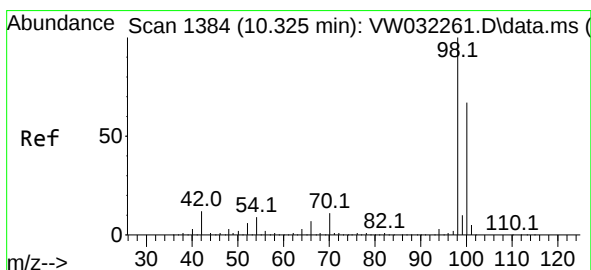
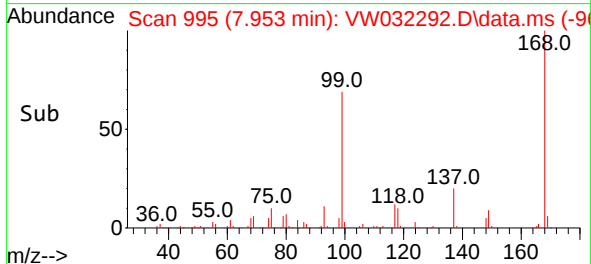
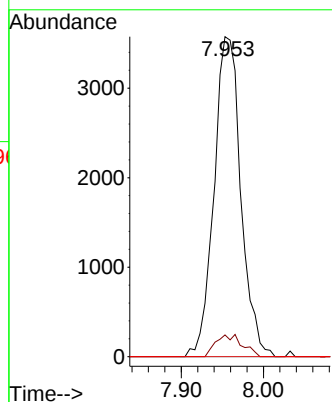
Tgt Ion:117 Resp: 8110

Ion Ratio Lower Upper

117 100

119 6.8 73.9 110.9#

121 0.0 23.0 34.6#



#50

Toluene-d8

Concen: 46.108 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032292.D

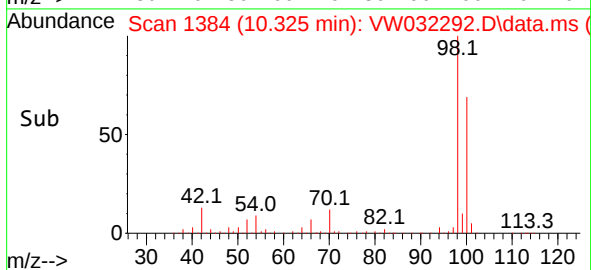
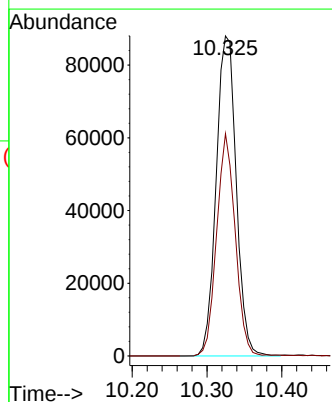
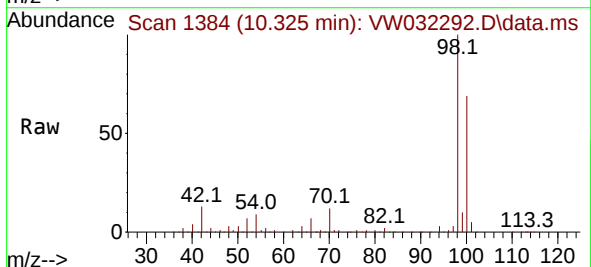
Acq: 29 Sep 2025 11:52

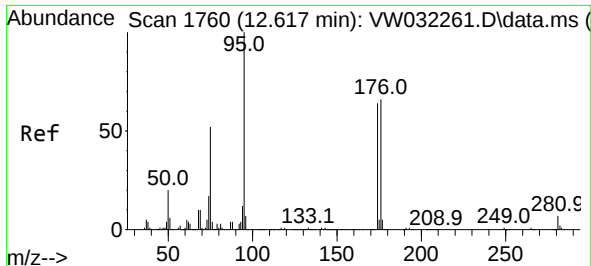
Tgt Ion: 98 Resp: 164485

Ion Ratio Lower Upper

98 100

100 64.6 53.0 79.4

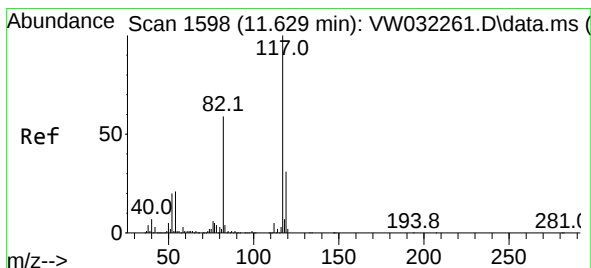
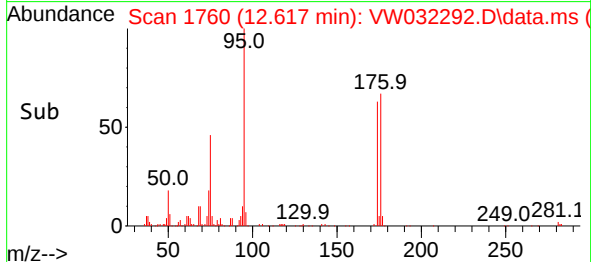
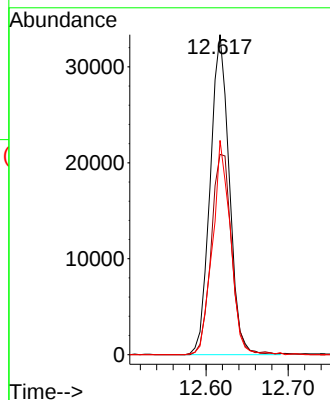
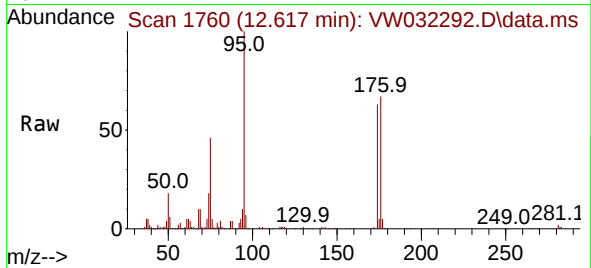




#62
4-Bromofluorobenzene
Concen: 40.038 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032292.D
Acq: 29 Sep 2025 11:52

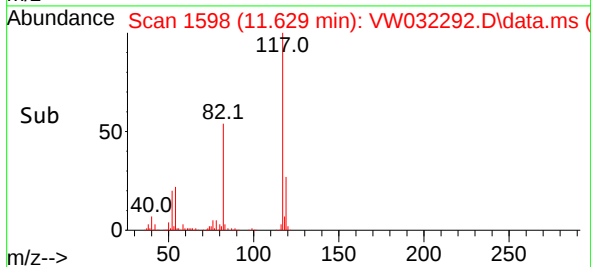
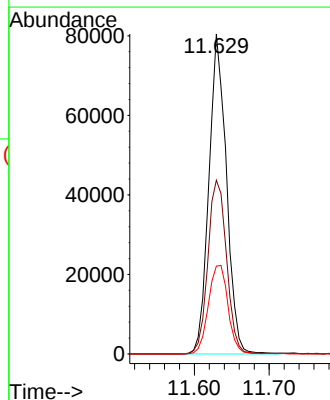
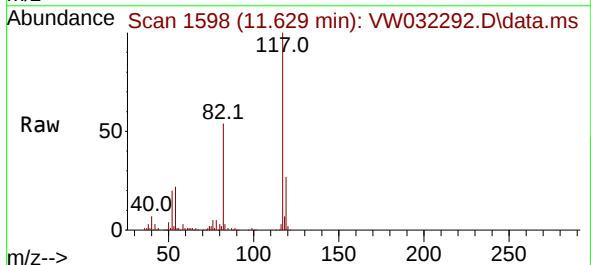
Instrument :
MSVOA_W
ClientSampleId :

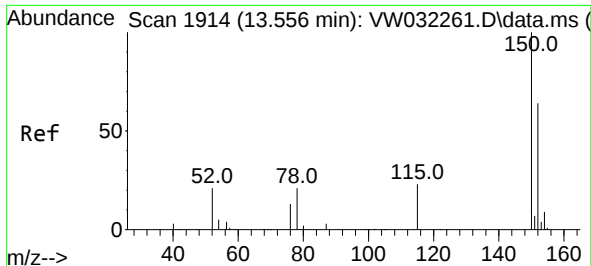
Tgt Ion: 95 Resp: 53876
Ion Ratio Lower Upper
95 100
174 67.3 0.0 130.6
176 63.6 0.0 127.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032292.D
Acq: 29 Sep 2025 11:52

Tgt Ion: 117 Resp: 131382
Ion Ratio Lower Upper
117 100
82 54.3 46.9 70.3
119 27.5 24.9 37.3

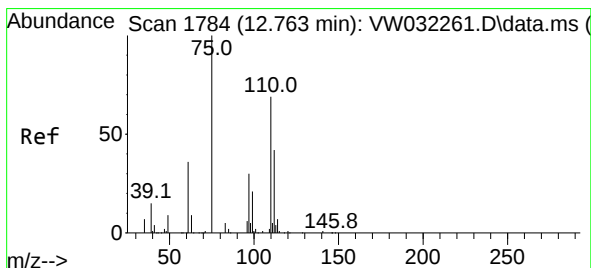
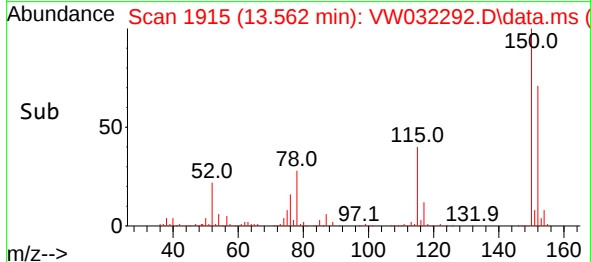
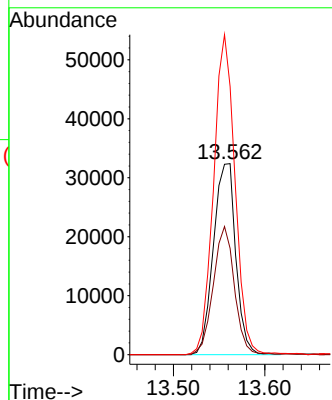
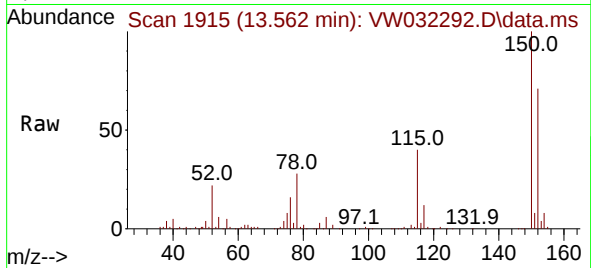




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.562 min Scan# 1914
 Delta R.T. 0.006 min
 Lab File: VW032292.D
 Acq: 29 Sep 2025 11:52

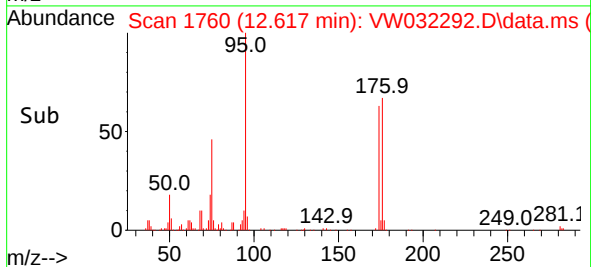
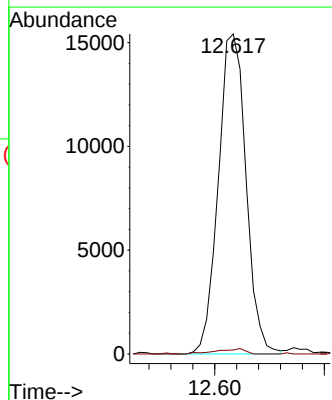
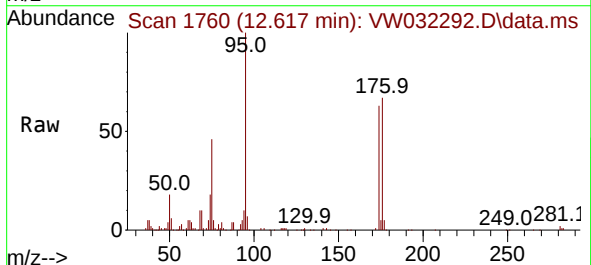
Instrument :
 MSVOA_W
 ClientSampleId :

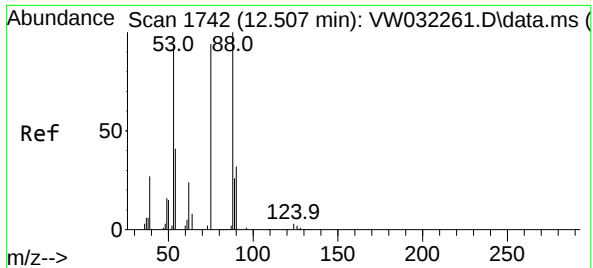
Tgt Ion:152 Resp: 55223
 Ion Ratio Lower Upper
 152 100
 115 63.2 32.5 97.5
 150 160.2 0.0 370.2



#76
 1,2,3-Trichloropropane
 Concen: 35.579 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032292.D
 Acq: 29 Sep 2025 11:52

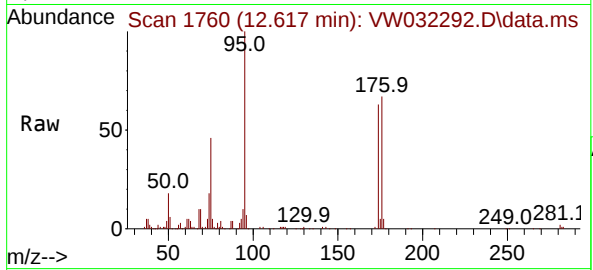
Tgt Ion: 75 Resp: 27031
 Ion Ratio Lower Upper
 75 100
 77 1.7 140.9 422.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 92.415 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.110 min
Lab File: VW032292.D
Acq: 29 Sep 2025 11:52

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	75	Resp:	27031
Ion	Ratio	Lower	Upper
75	100		
53	0.1	81.4	122.2#
89	0.1	35.4	53.2#

