

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092325\
 Data File : VW032239.D
 Acq On : 23 Sep 2025 14:46
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Sep 24 03:48:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

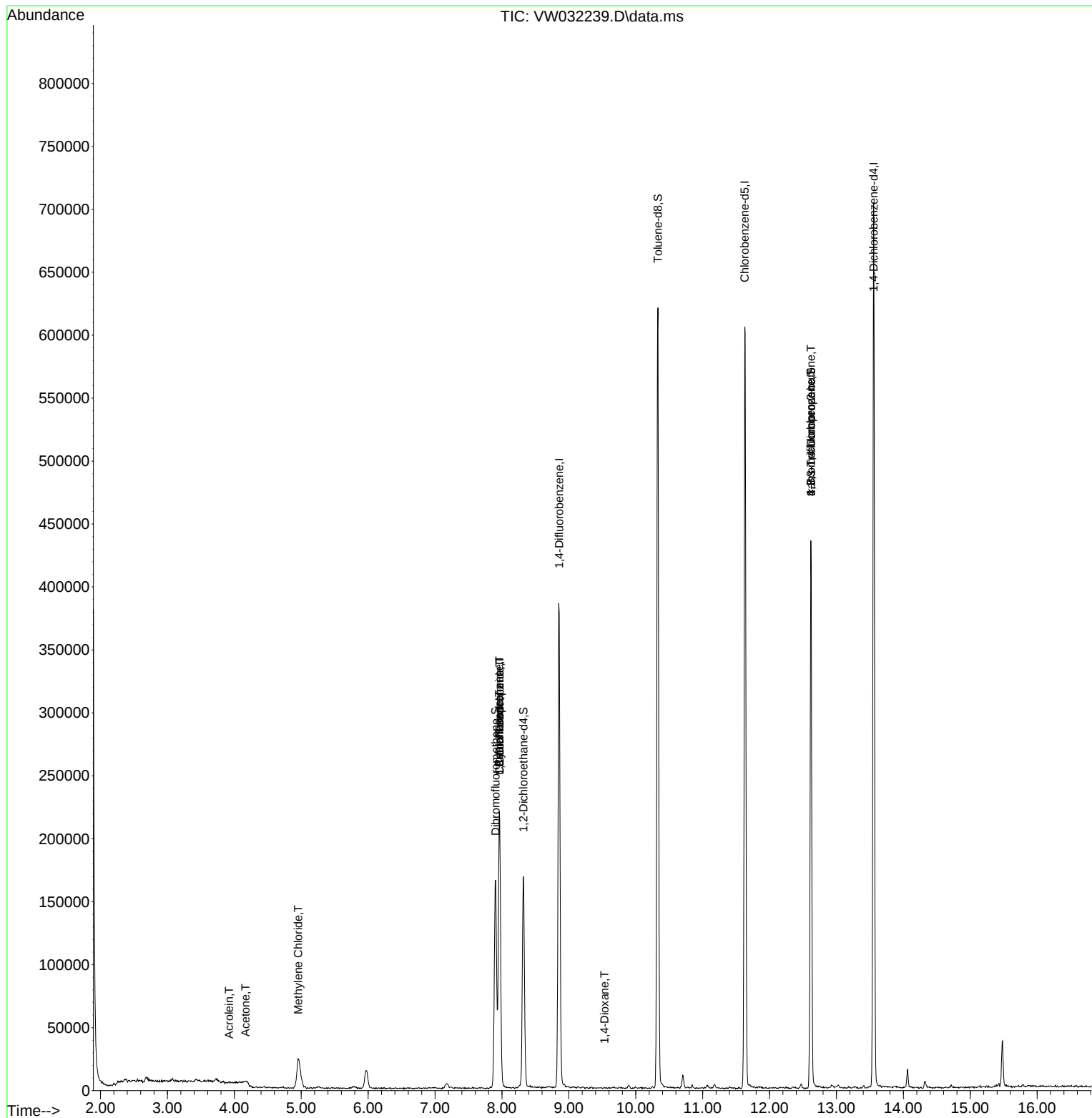
Internal Standards							
1) Pentafluorobenzene		7.959	168	153600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.856	114	325937	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.629	117	331649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.556	152	175083	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.319	65	138150	62.890	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	125.780%	
35) Dibromofluoromethane		7.904	113	117469	51.369	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.740%	
50) Toluene-d8		10.331	98	416963	51.941	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	103.880%	
62) 4-Bromofluorobenzene		12.617	95	139411	46.964	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	93.920%	
Target Compounds							
						Qvalue	
13) Acrolein		3.924	56	219	1.060	ug/l #	14
16) Acetone		4.167	43	2865	6.022	ug/l	97
20) Methylene Chloride		4.954	84	22902	8.435	ug/l	97
31) Cyclohexane		7.959	56	4438	1.646	ug/l #	47
36) 1,1-Dichloropropene		7.965	75	14148	4.772	ug/l #	52
38) Carbon Tetrachloride		7.965	117	17848	5.615	ug/l #	18
49) 1,4-Dioxane		9.532	88	23	1.228	ug/l #	1
76) 1,2,3-Trichloropropane		12.617	75	75457	34.401	ug/l #	1
81) trans-1,4-Dichloro-2-b...		12.617	75	75457	92.624	ug/l #	5

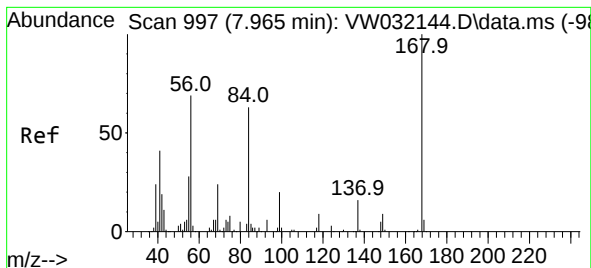
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 99

Delta R.T. -0.006 min

Lab File: VW032239.D

Acq: 23 Sep 2025 14:46

Instrument :

MSVOA_W

ClientSampleId :

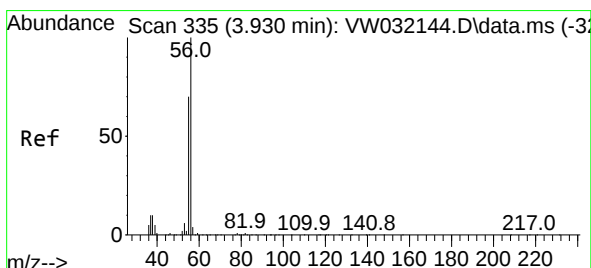
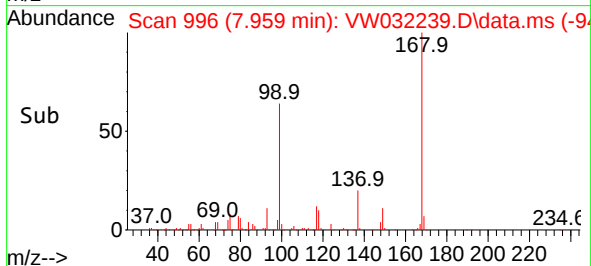
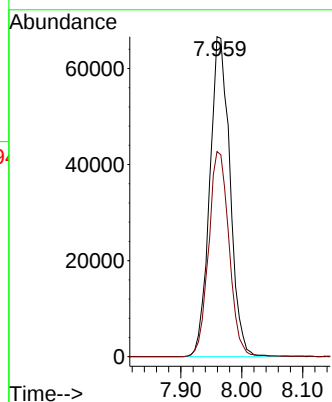
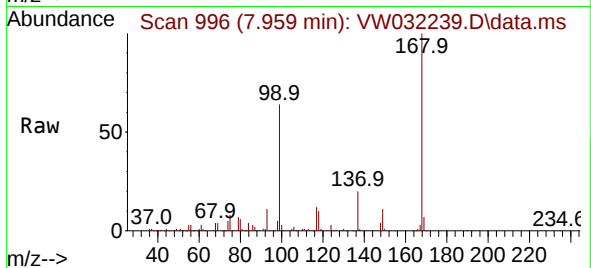
VIBLK

Tgt Ion:168 Resp: 153600

Ion Ratio Lower Upper

168 100

99 64.1 49.3 73.9



#13

Acrolein

Concen: 1.060 ug/l

RT: 3.924 min Scan# 334

Delta R.T. -0.006 min

Lab File: VW032239.D

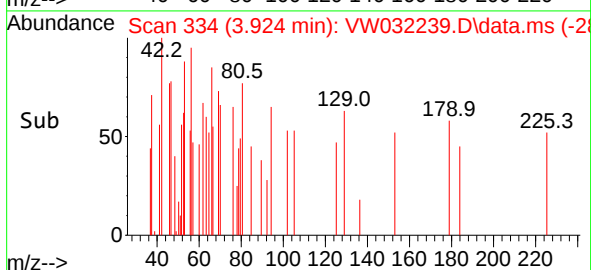
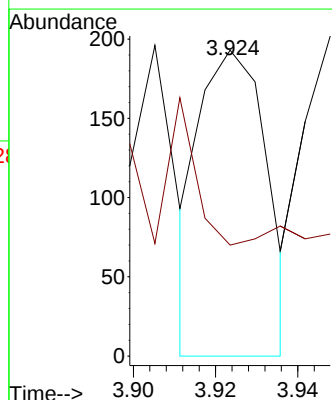
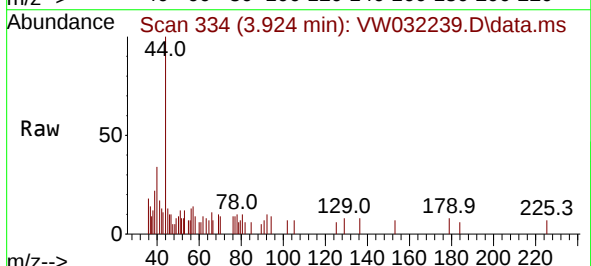
Acq: 23 Sep 2025 14:46

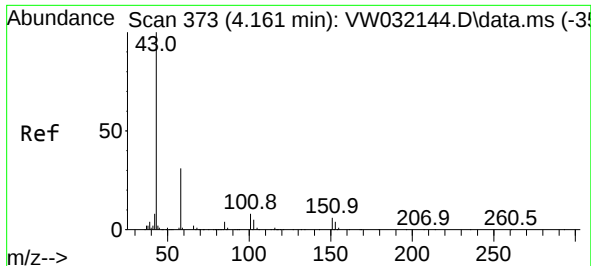
Tgt Ion: 56 Resp: 219

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#

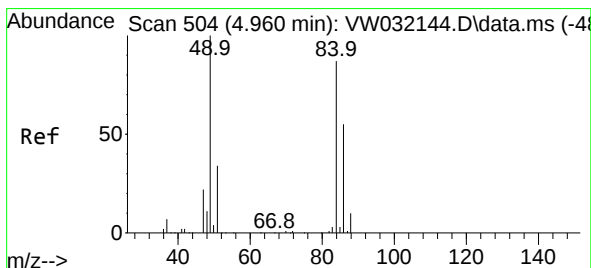
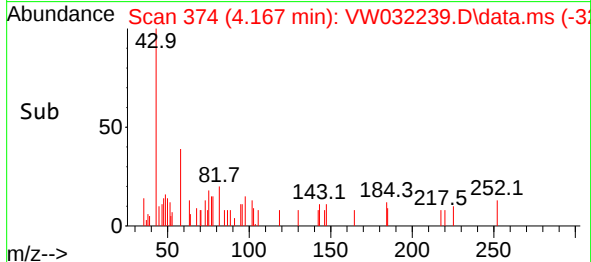
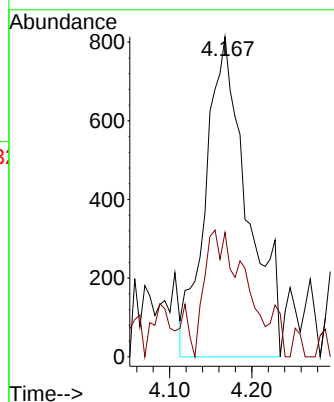
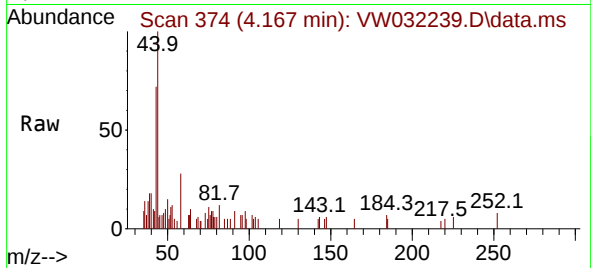




#16
Acetone
Concen: 6.022 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032239.D
Acq: 23 Sep 2025 14:46

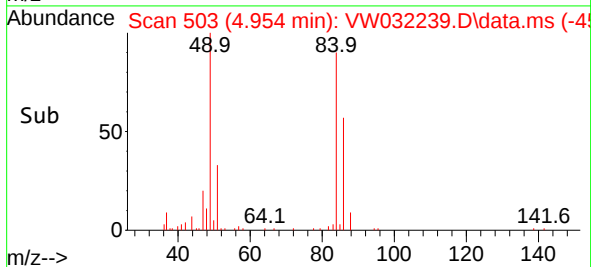
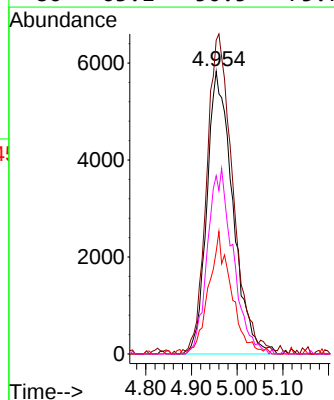
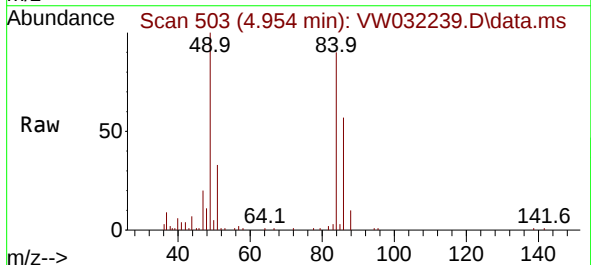
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

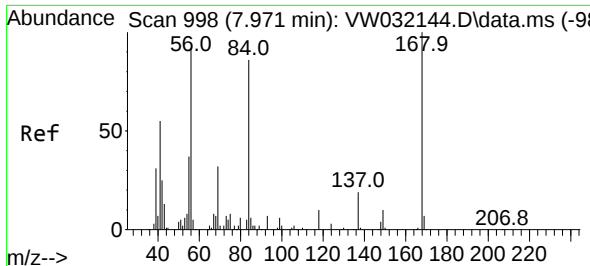
Tgt Ion: 43 Resp: 2865
Ion Ratio Lower Upper
43 100
58 30.0 25.3 37.9



#20
Methylene Chloride
Concen: 8.435 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032239.D
Acq: 23 Sep 2025 14:46

Tgt Ion: 84 Resp: 22902
Ion Ratio Lower Upper
84 100
49 111.0 92.2 138.4
51 36.3 31.0 46.6
86 63.1 50.5 75.7

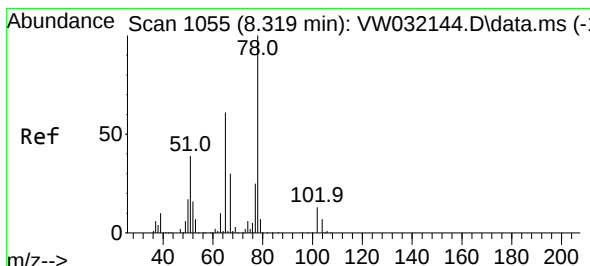
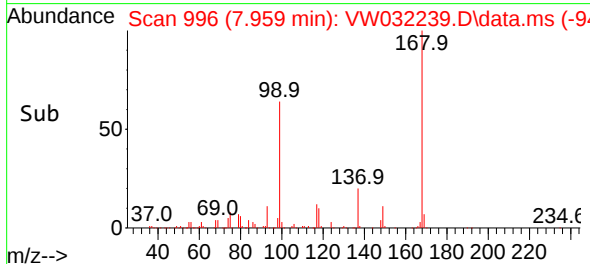
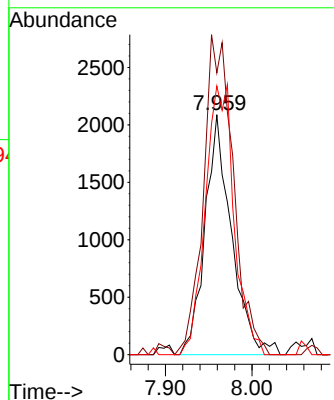
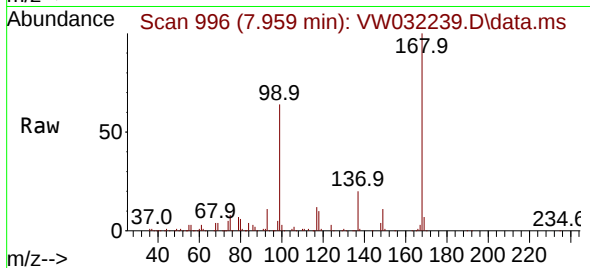




#31
Cyclohexane
Concen: 1.646 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032239.D
Acq: 23 Sep 2025 14:46

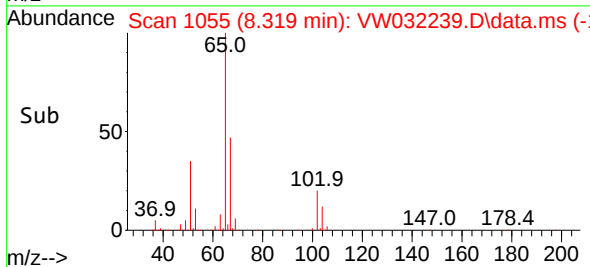
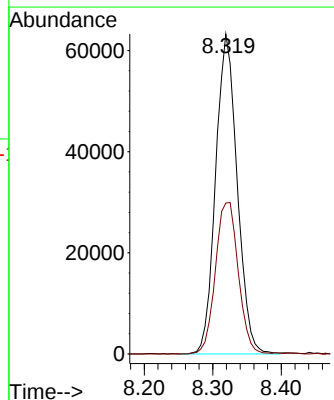
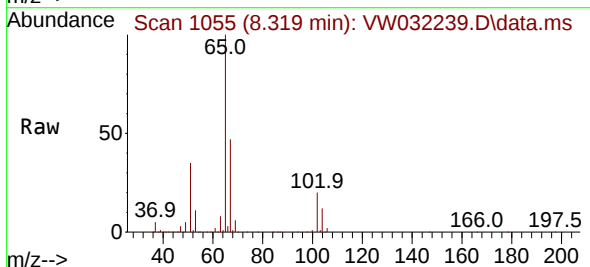
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

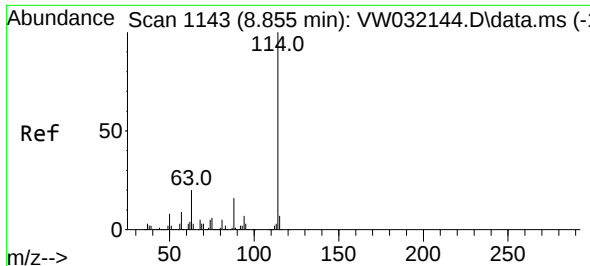
Tgt Ion: 56 Resp: 4438
Ion Ratio Lower Upper
56 100
69 117.4 27.7 41.5#
84 111.9 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 62.890 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032239.D
Acq: 23 Sep 2025 14:46

Tgt Ion: 65 Resp: 138150
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW032239.D

Acq: 23 Sep 2025 14:46

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

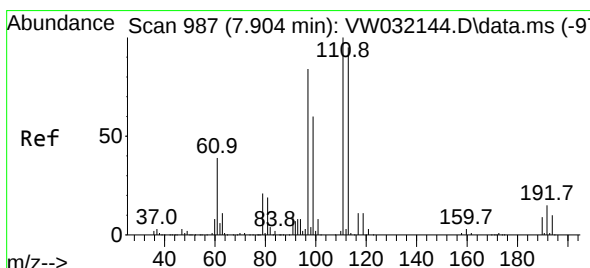
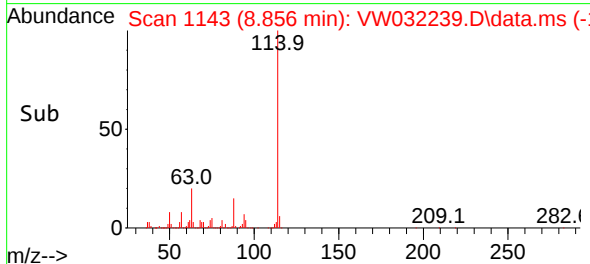
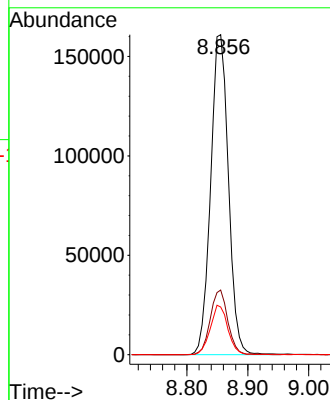
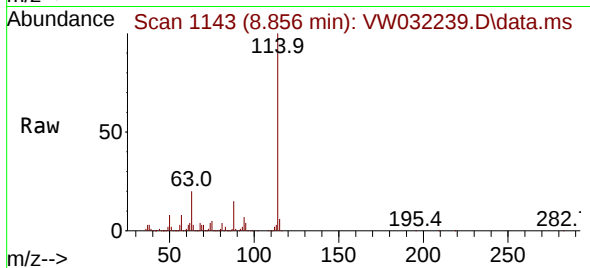
Tgt Ion:114 Resp: 325937

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.4

88 14.9 0.0 32.0



#35

Dibromofluoromethane

Concen: 51.369 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032239.D

Acq: 23 Sep 2025 14:46

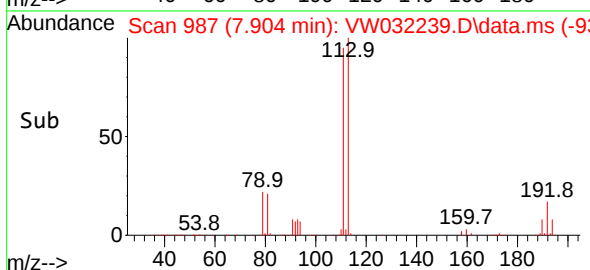
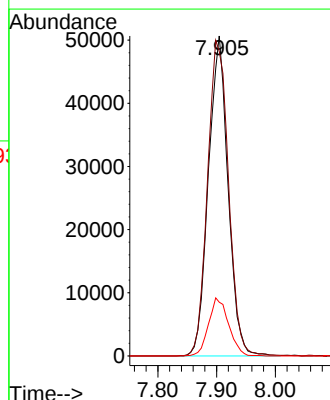
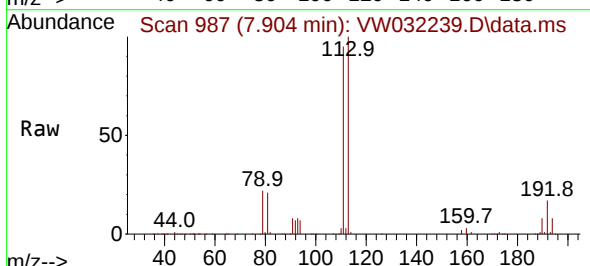
Tgt Ion:113 Resp: 117469

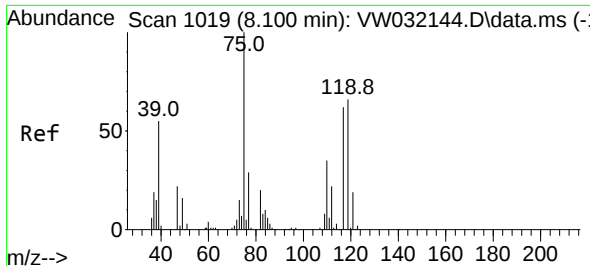
Ion Ratio Lower Upper

113 100

111 105.7 83.9 125.9

192 18.6 14.6 21.8

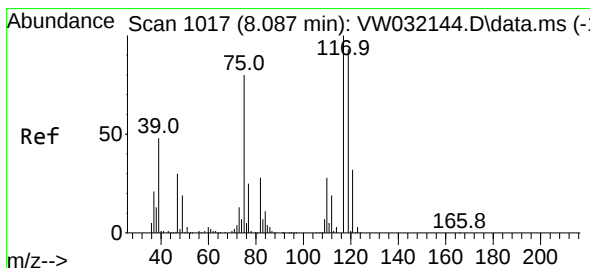
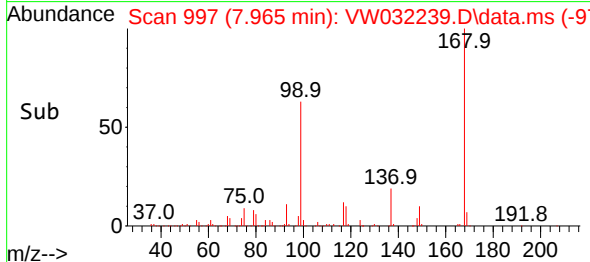
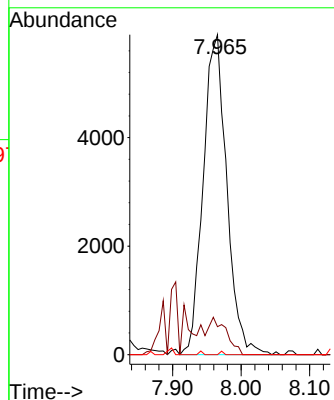
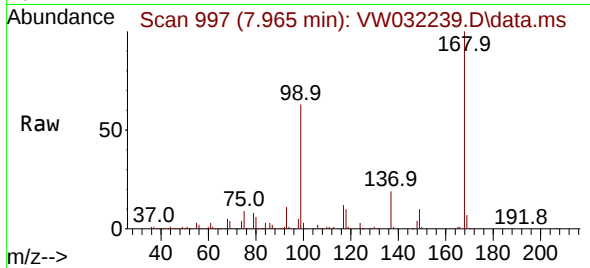




#36
 1,1-Dichloropropene
 Concen: 4.772 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032239.D
 Acq: 23 Sep 2025 14:46

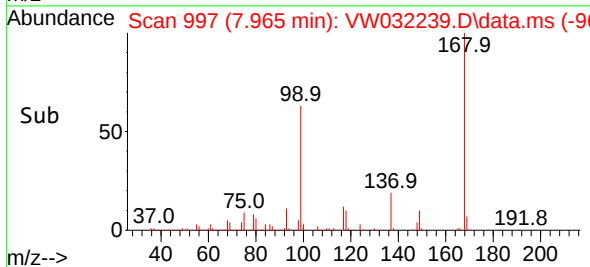
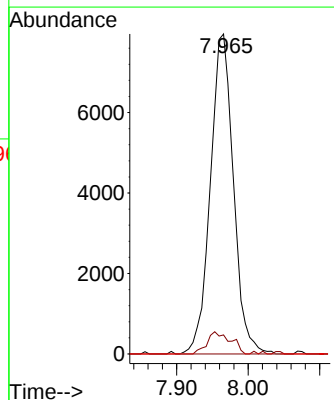
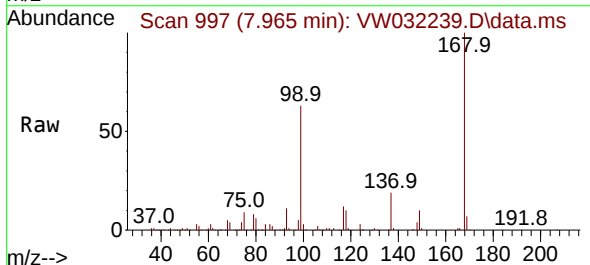
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

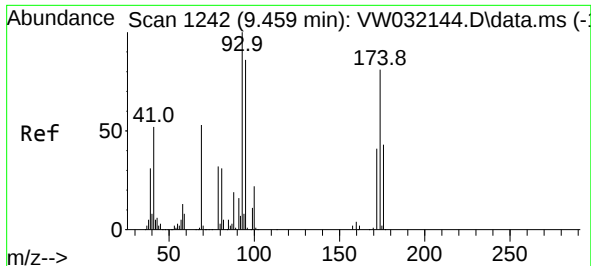
Tgt Ion: 75 Resp: 14148
 Ion Ratio Lower Upper
 75 100
 110 11.0 17.5 52.5#
 77 0.2 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.615 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.122 min
 Lab File: VW032239.D
 Acq: 23 Sep 2025 14:46

Tgt Ion: 117 Resp: 17848
 Ion Ratio Lower Upper
 117 100
 119 6.0 74.2 111.2#
 121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.228 ug/l

RT: 9.532 min Scan# 1254

Delta R.T. 0.073 min

Lab File: VW032239.D

Acq: 23 Sep 2025 14:46

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

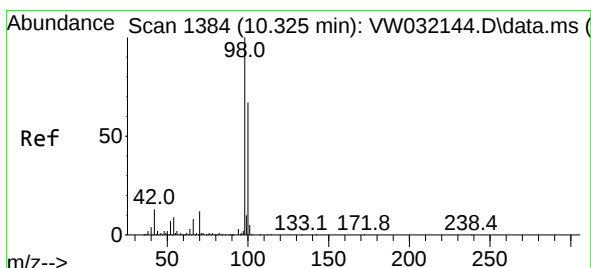
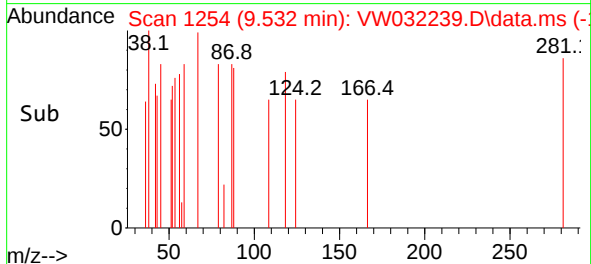
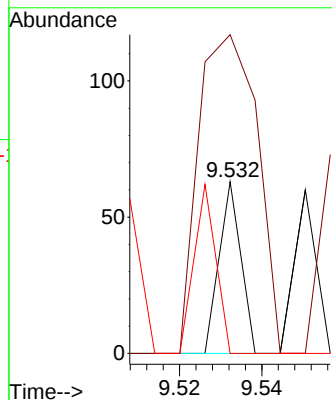
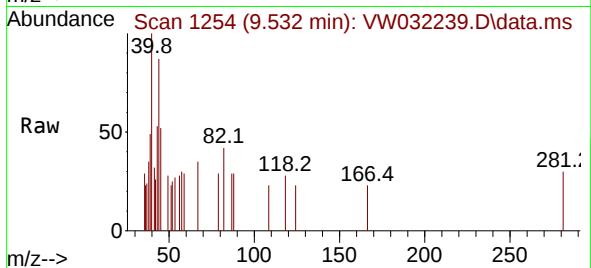
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 504.3 18.0 27.0#

58 100.0 55.4 83.0#



#50

Toluene-d8

Concen: 51.941 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032239.D

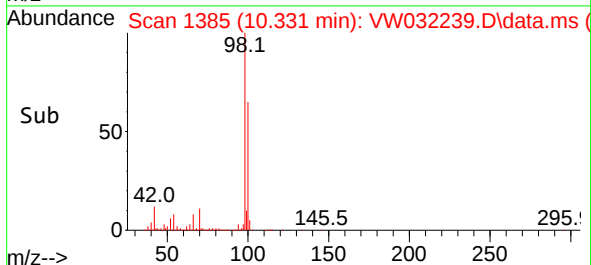
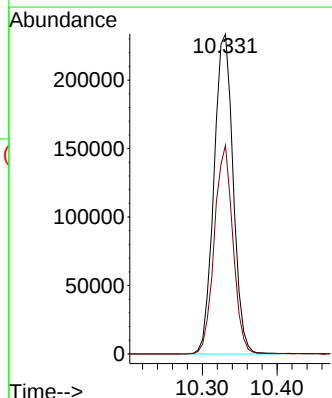
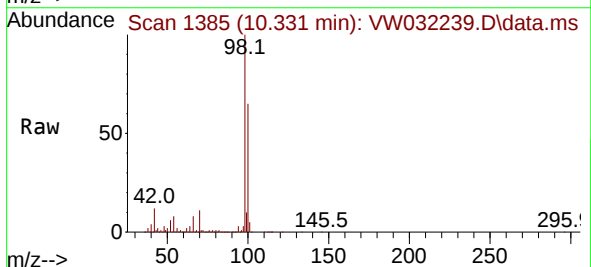
Acq: 23 Sep 2025 14:46

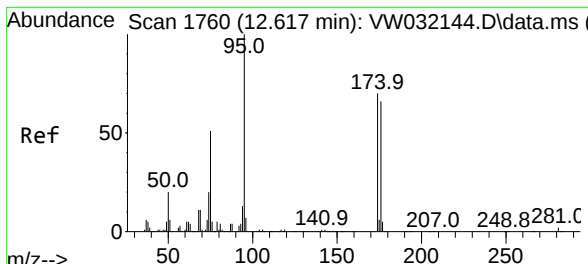
Tgt Ion: 98 Resp: 416963

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2



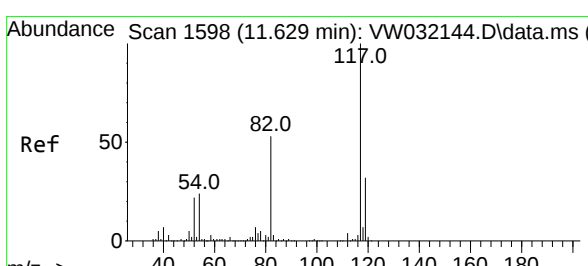
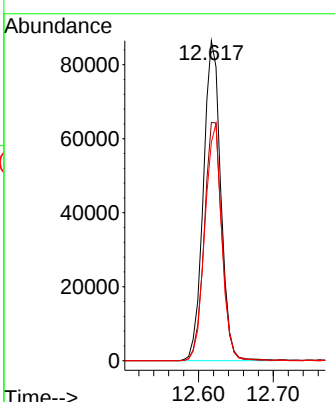
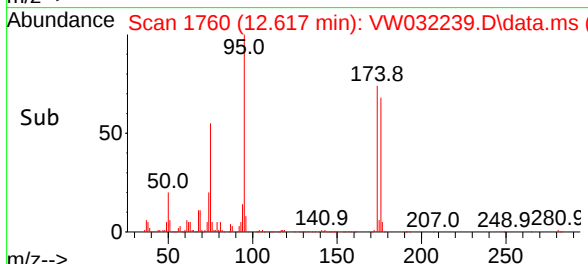
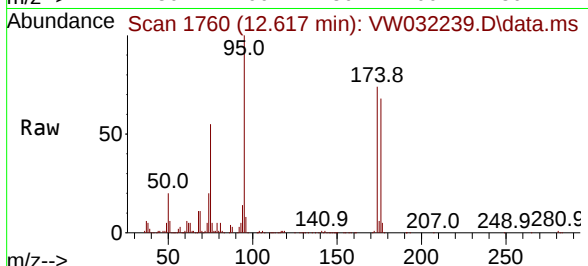


#62
 4-Bromofluorobenzene
 Concen: 46.964 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. 0.000 min
 Lab File: VW032239.D
 Acq: 23 Sep 2025 14:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion: 95 Resp: 139411

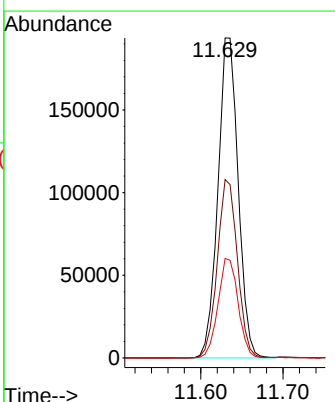
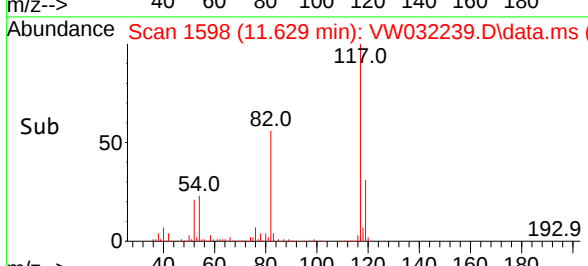
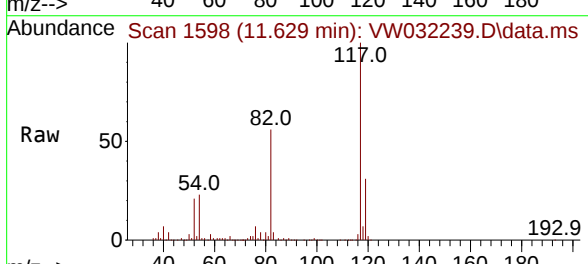
Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	145.6
176	72.2	0.0	140.8

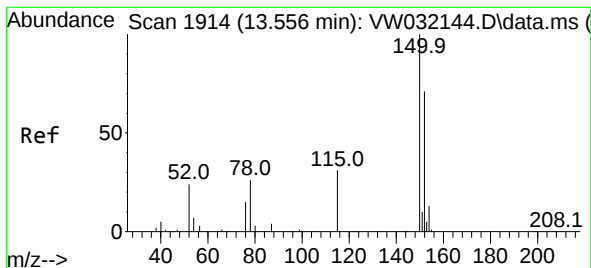


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.629 min Scan# 1598
 Delta R.T. 0.000 min
 Lab File: VW032239.D
 Acq: 23 Sep 2025 14:46

Tgt Ion: 117 Resp: 331649

Ion	Ratio	Lower	Upper
117	100		
82	55.7	42.7	64.1
119	31.1	25.2	37.8

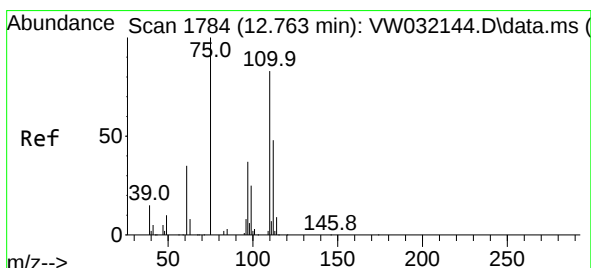
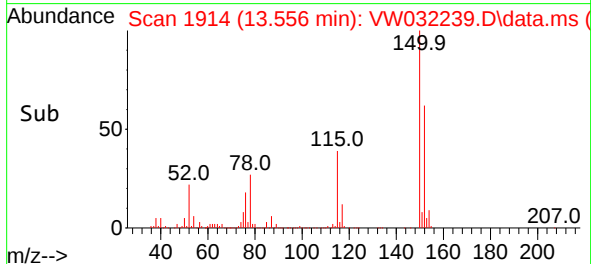
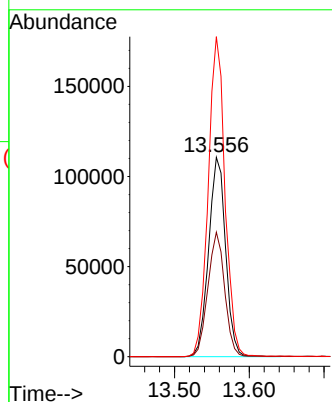
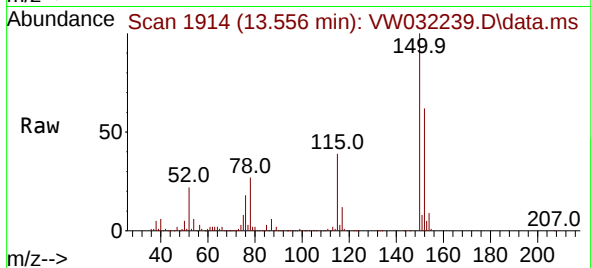




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032239.D
 Acq: 23 Sep 2025 14:46

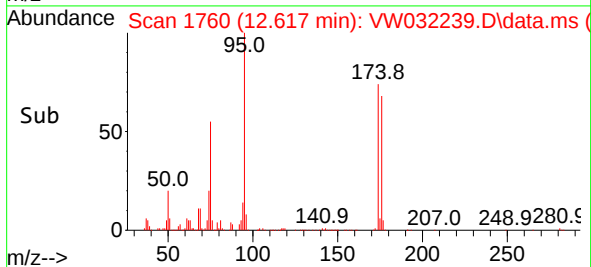
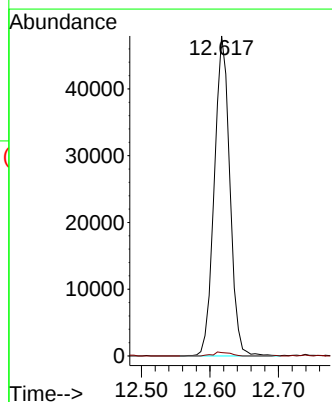
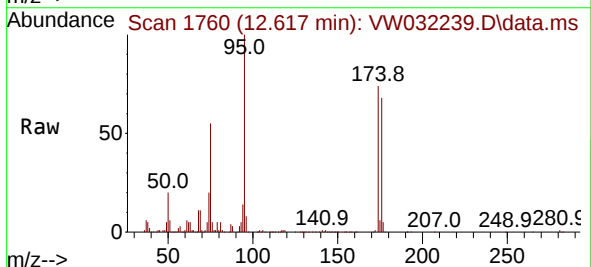
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

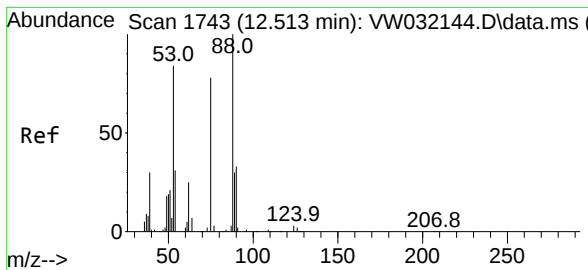
Tgt Ion:152 Resp: 175083
 Ion Ratio Lower Upper
 152 100
 115 61.7 31.8 95.4
 150 158.1 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 34.401 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032239.D
 Acq: 23 Sep 2025 14:46

Tgt Ion: 75 Resp: 75457
 Ion Ratio Lower Upper
 75 100
 77 1.3 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.624 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032239.D
 Acq: 23 Sep 2025 14:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 75457
 Ion Ratio Lower Upper
 75 100
 53 0.1 91.0 136.6#
 89 0.1 39.4 59.2#

