

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032214.D
 Acq On : 19 Sep 2025 14:43
 Operator : SY/MD
 Sample : Q3155-02
 Misc : 4.83g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 19 23:10:29 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)

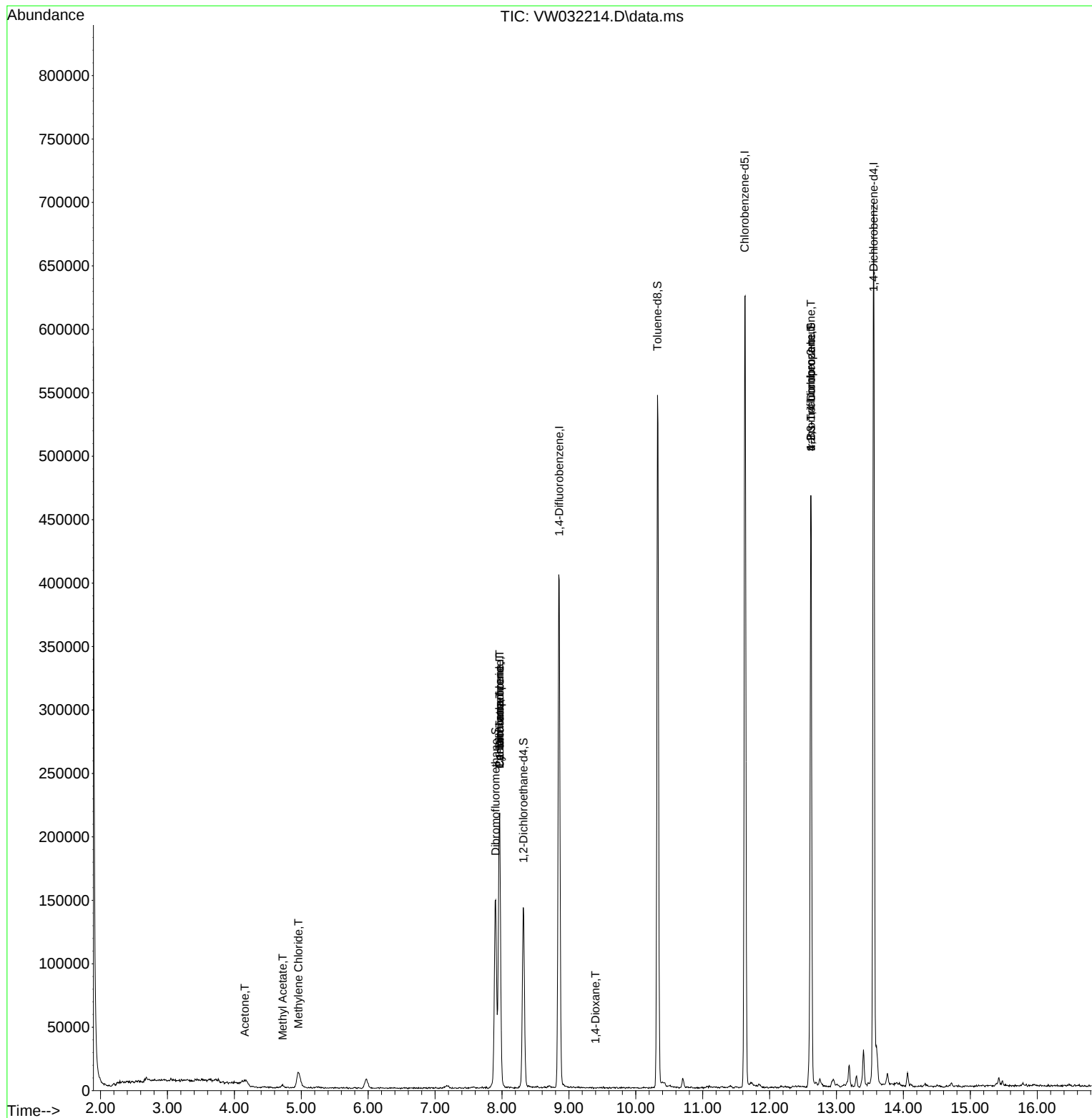
Internal Standards						
1) Pentafluorobenzene	7.965	168	149567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	332025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	337360	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	169813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	117613	54.985	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 109.960%		
35) Dibromofluoromethane	7.904	113	106789	45.843	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 91.680%		
50) Toluene-d8	10.325	98	347161	42.453	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 84.900%		
62) 4-Bromofluorobenzene	12.617	95	148300	49.042	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 98.080%		
Target Compounds						
					Qvalue	
16) Acetone	4.155	43	1078	2.327	ug/l	96
18) Methyl Acetate	4.722	43	3858	2.614	ug/l #	50
20) Methylene Chloride	4.960	84	11560	2.511	ug/l	94
31) Cyclohexane	7.965	56	4693	1.787	ug/l #	54
36) 1,1-Dichloropropene	7.965	75	15216	5.038	ug/l #	51
38) Carbon Tetrachloride	7.965	117	17620	5.442	ug/l #	16
49) 1,4-Dioxane	9.398	88	45	2.359	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	83376	39.191	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	83376	105.521	ug/l #	5

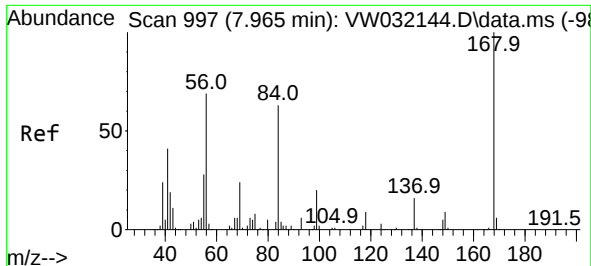
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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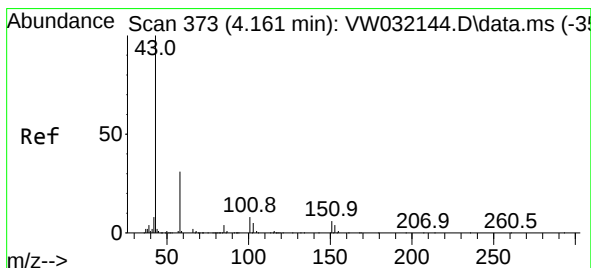
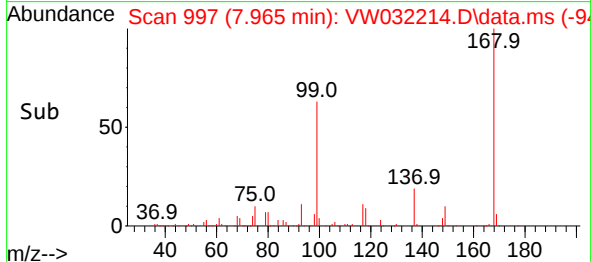
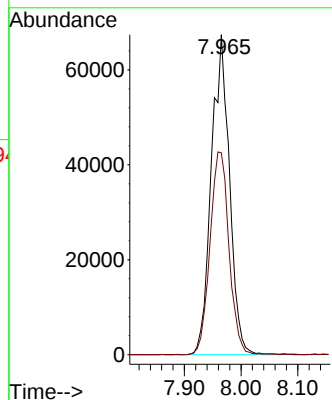
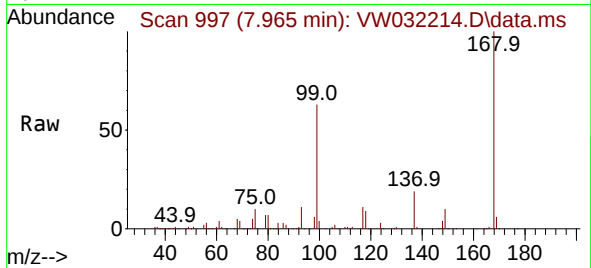




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032214.D
Acq: 19 Sep 2025 14:43

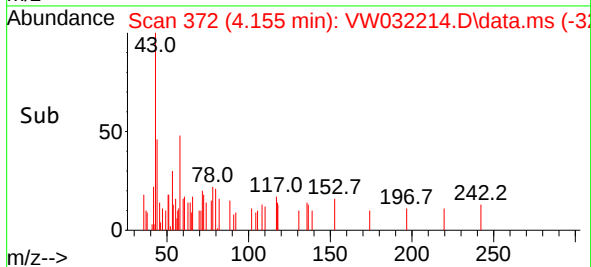
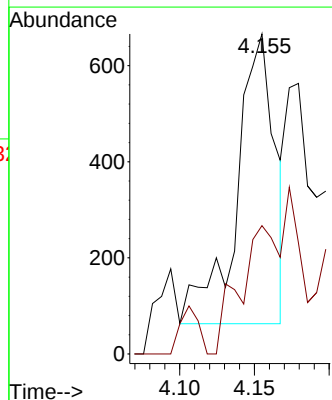
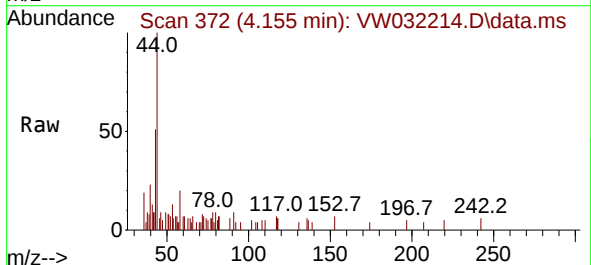
Instrument :
MSVOA_W
ClientSampleId :

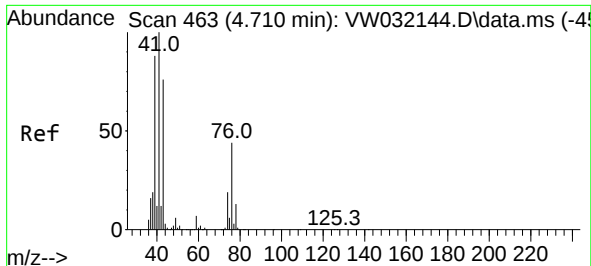
Tgt Ion:168 Resp: 149567
Ion Ratio Lower Upper
168 100
99 63.1 49.3 73.9



#16
Acetone
Concen: 2.327 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032214.D
Acq: 19 Sep 2025 14:43

Tgt Ion: 43 Resp: 1078
Ion Ratio Lower Upper
43 100
58 33.8 25.3 37.9

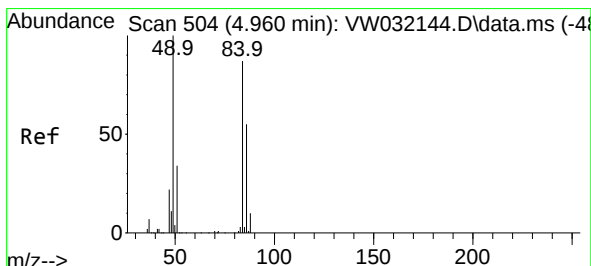
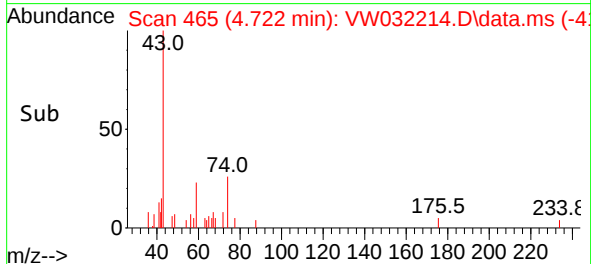
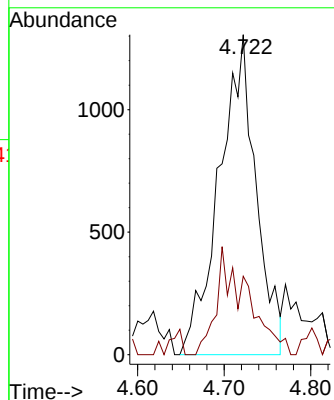
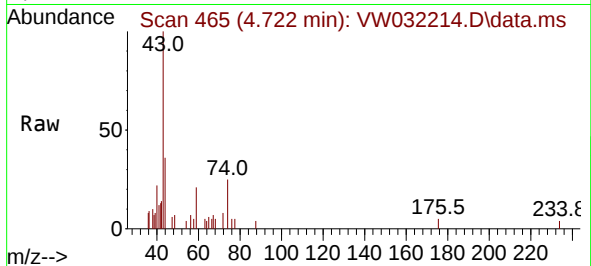




#18
Methyl Acetate
Concen: 2.614 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032214.D
Acq: 19 Sep 2025 14:43

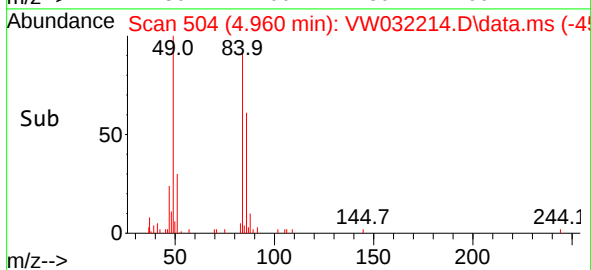
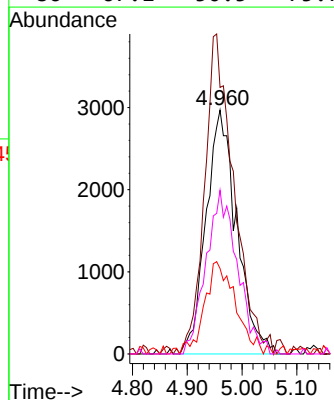
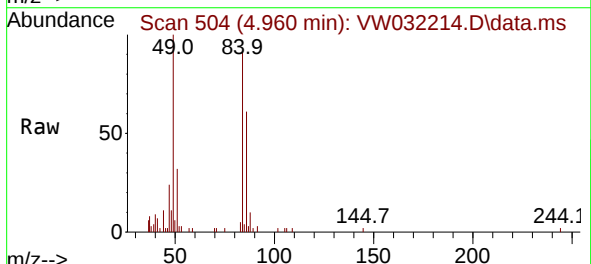
Instrument :
MSVOA_W
ClientSampleId :

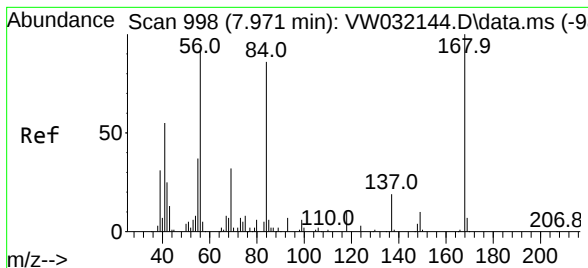
Tgt Ion: 43 Resp: 3858
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#20
Methylene Chloride
Concen: 2.511 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032214.D
Acq: 19 Sep 2025 14:43

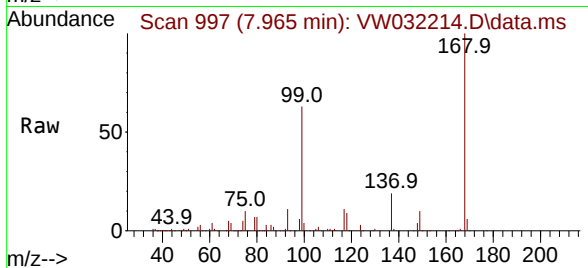
Tgt Ion: 84 Resp: 11560
Ion Ratio Lower Upper
84 100
49 109.3 92.2 138.4
51 35.1 31.0 46.6
86 67.1 50.5 75.7



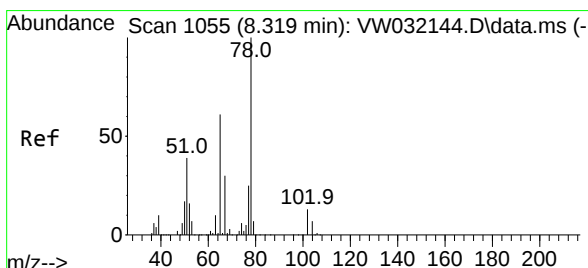
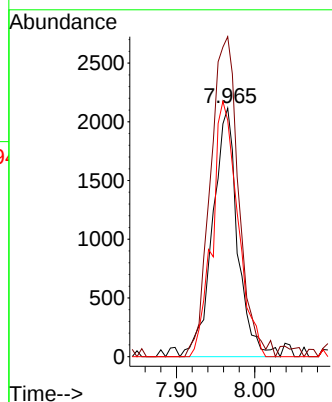
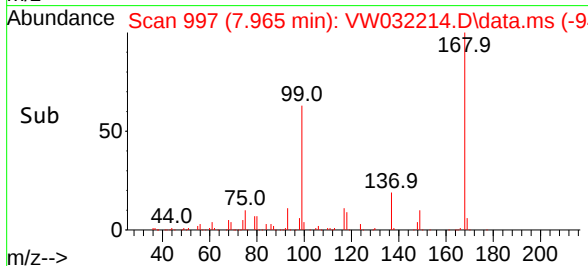


#31
Cyclohexane
Concen: 1.787 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032214.D
Acq: 19 Sep 2025 14:43

Instrument :
MSVOA_W
ClientSampleId :

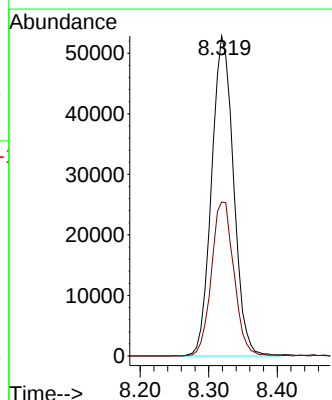
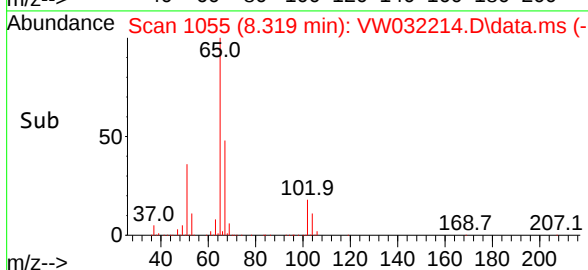
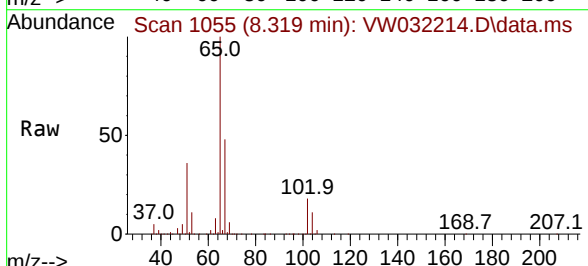


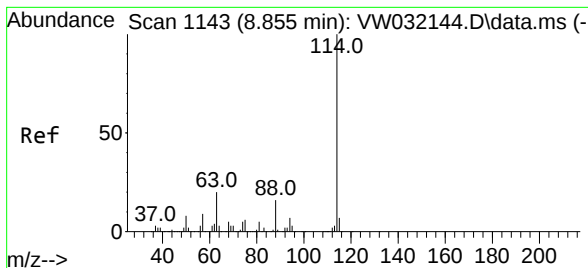
Tgt Ion: 56 Resp: 4693
Ion Ratio Lower Upper
56 100
69 128.8 27.7 41.5#
84 95.1 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 54.985 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032214.D
Acq: 19 Sep 2025 14:43

Tgt Ion: 65 Resp: 117613
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032214.D

Acq: 19 Sep 2025 14:43

Instrument :

MSVOA_W

ClientSampleId :

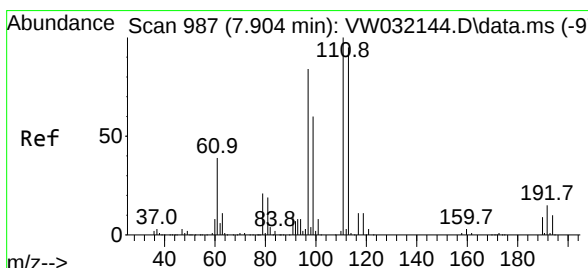
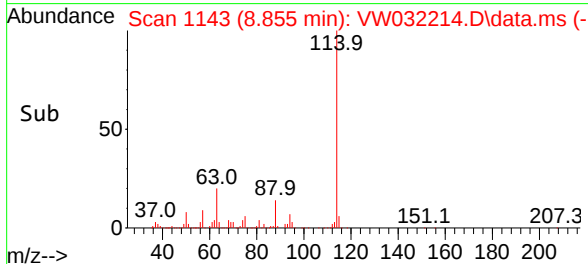
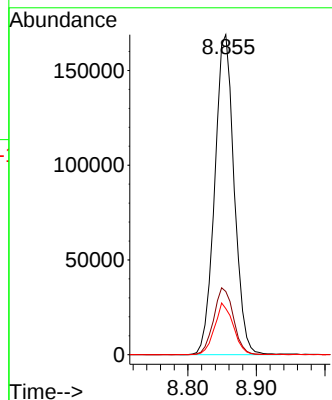
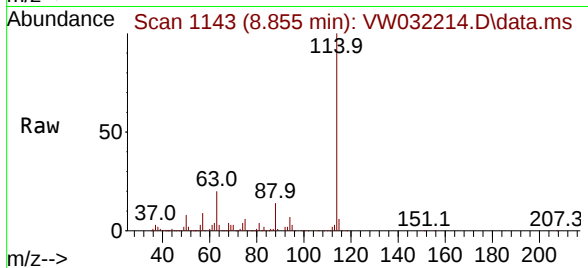
Tgt Ion:114 Resp: 332025

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.4

88 14.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 45.843 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032214.D

Acq: 19 Sep 2025 14:43

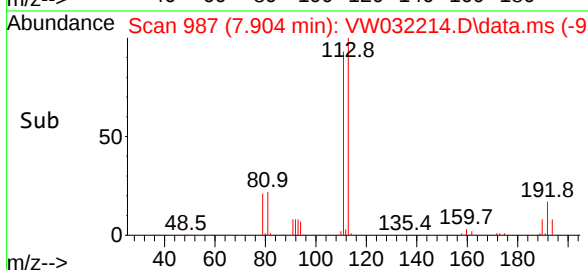
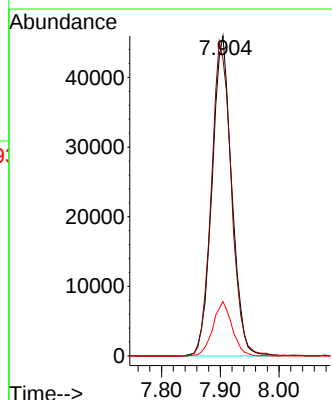
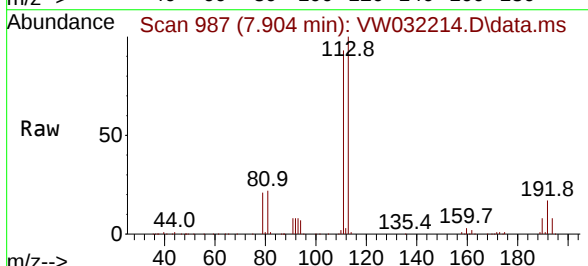
Tgt Ion:113 Resp: 106789

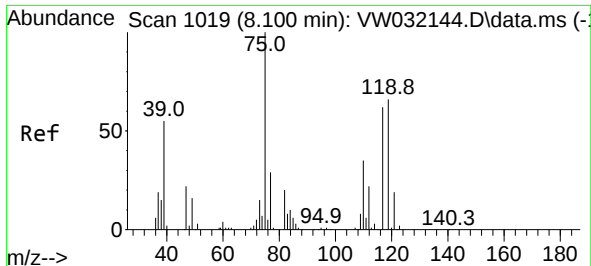
Ion Ratio Lower Upper

113 100

111 100.3 83.9 125.9

192 16.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.038 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.134 min

Lab File: VW032214.D

Acq: 19 Sep 2025 14:43

Instrument :

MSVOA_W

ClientSampleId :

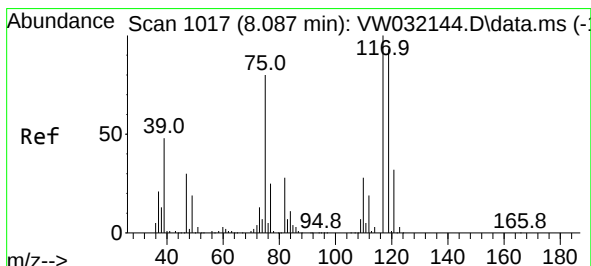
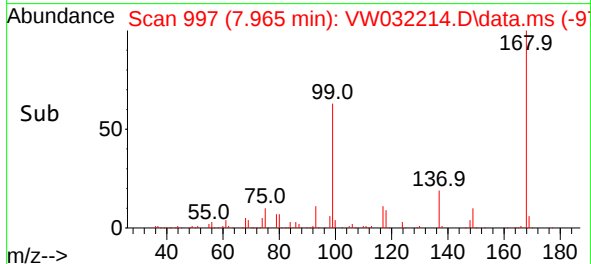
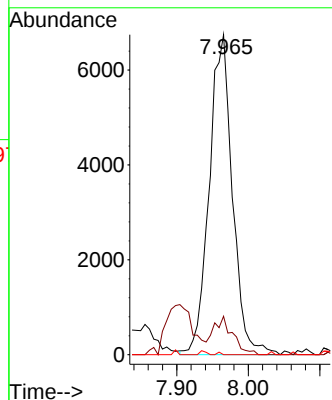
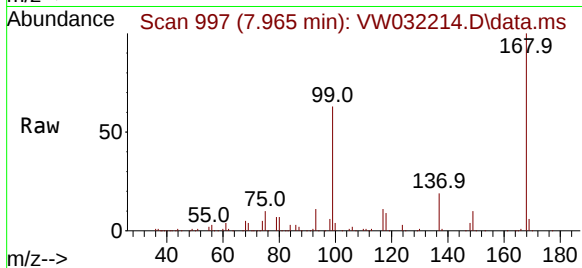
Tgt Ion: 75 Resp: 15216

Ion Ratio Lower Upper

75 100

110 9.9 17.5 52.5#

77 0.1 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 5.442 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

Lab File: VW032214.D

Acq: 19 Sep 2025 14:43

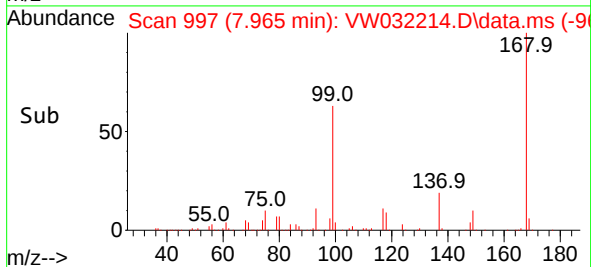
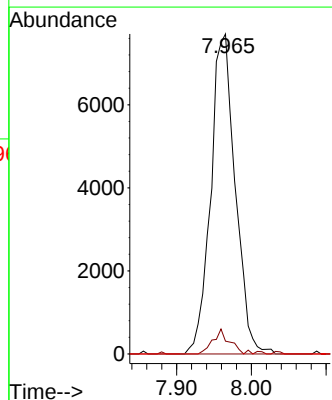
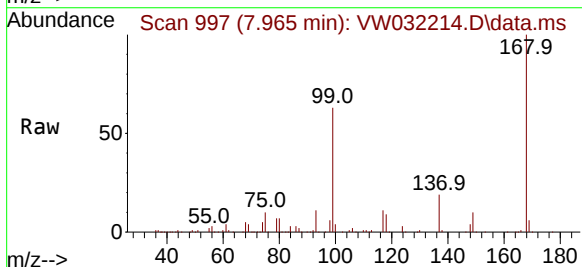
Tgt Ion: 117 Resp: 17620

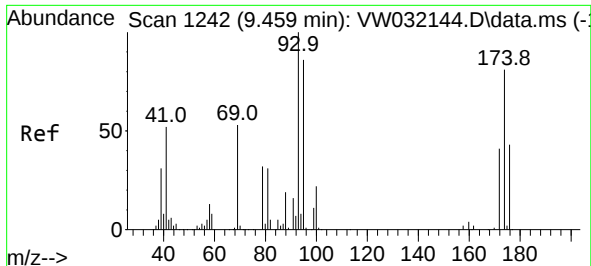
Ion Ratio Lower Upper

117 100

119 4.0 74.2 111.2#

121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 2.359 ug/l

RT: 9.398 min Scan# 11

Delta R.T. -0.061 min

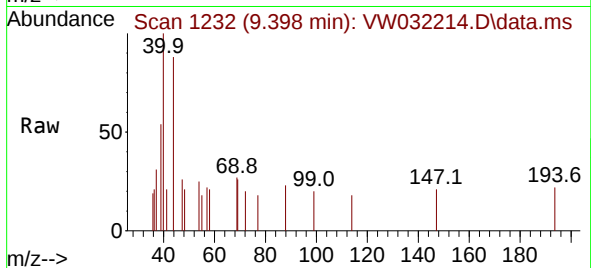
Lab File: VW032214.D

Acq: 19 Sep 2025 14:43

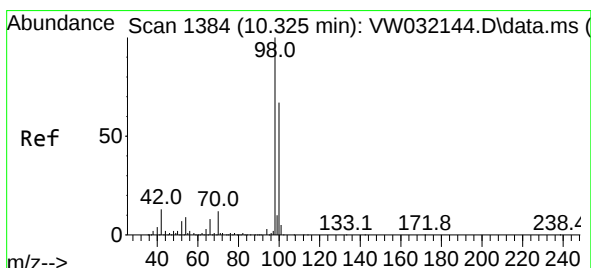
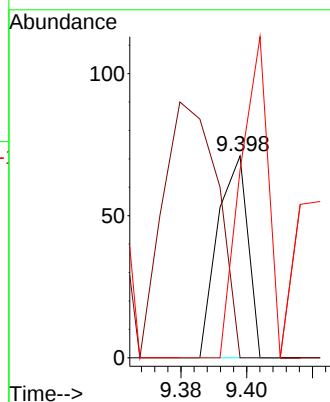
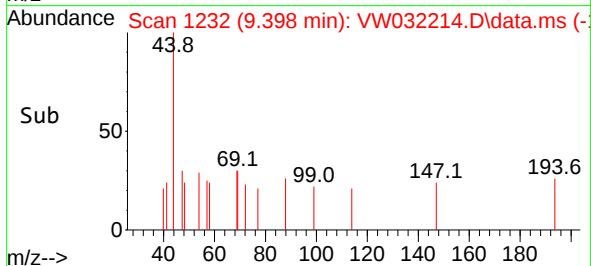
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	88	Resp:	45
Ion	Ratio	Lower	Upper
88	100		
43	0.0	18.0	27.0#
58	233.3	55.4	83.0#



#50

Toluene-d8

Concen: 42.453 ug/l

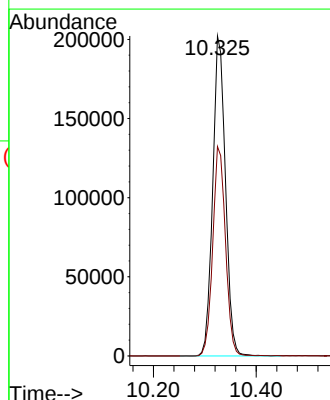
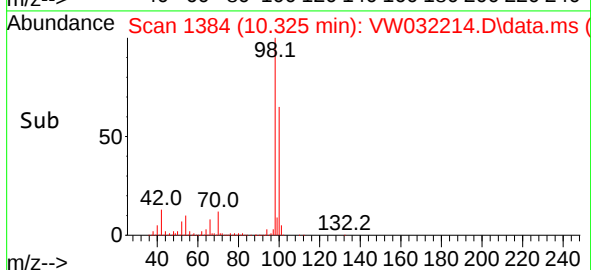
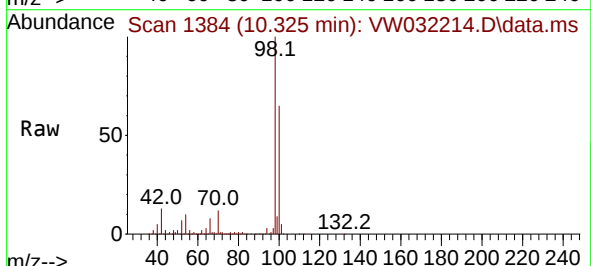
RT: 10.325 min Scan# 1384

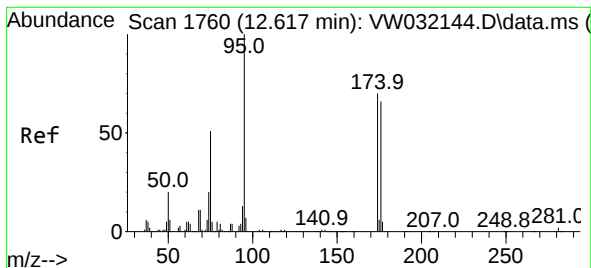
Delta R.T. -0.000 min

Lab File: VW032214.D

Acq: 19 Sep 2025 14:43

Tgt Ion:	98	Resp:	347161
Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.4	77.2

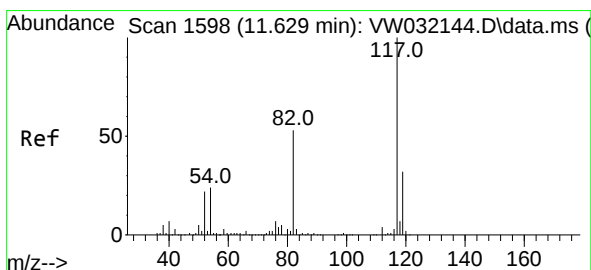
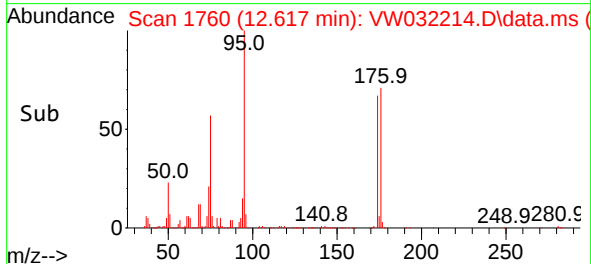
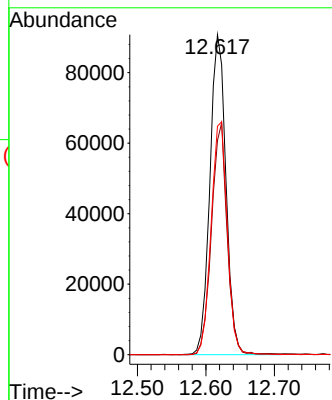
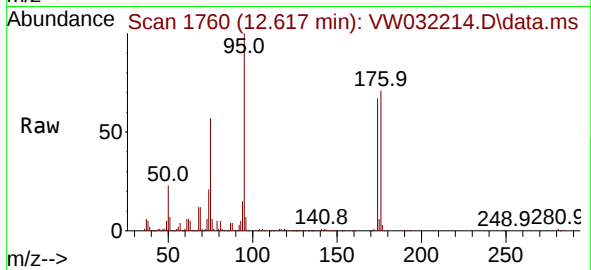




#62
4-Bromofluorobenzene
Concen: 49.042 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032214.D
Acq: 19 Sep 2025 14:43

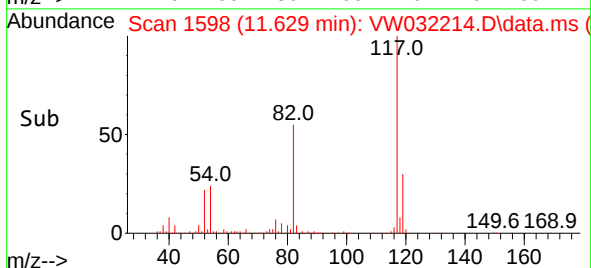
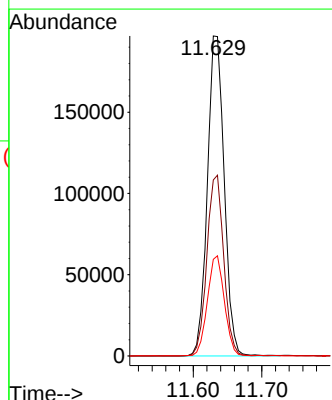
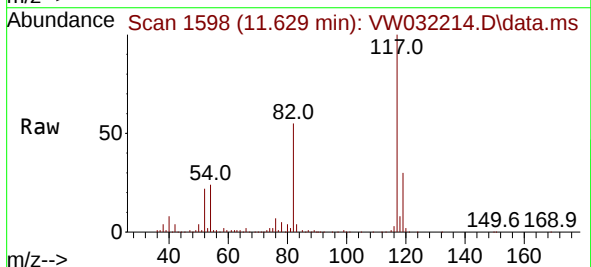
Instrument :
MSVOA_W
ClientSampleId :

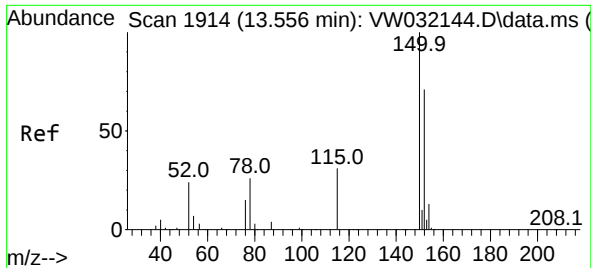
Tgt Ion: 95 Resp: 148300
Ion Ratio Lower Upper
95 100
174 70.0 0.0 145.6
176 73.3 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032214.D
Acq: 19 Sep 2025 14:43

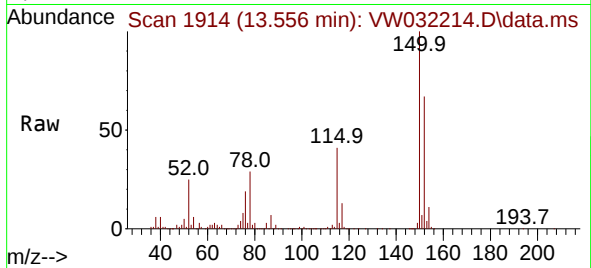
Tgt Ion: 117 Resp: 337360
Ion Ratio Lower Upper
117 100
82 55.0 42.7 64.1
119 30.1 25.2 37.8



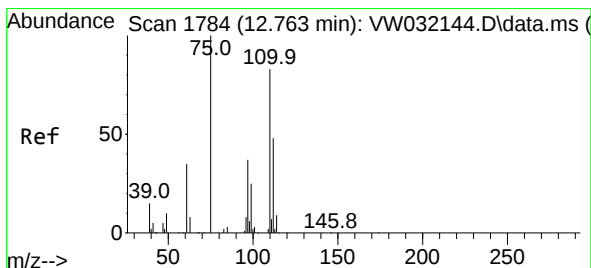
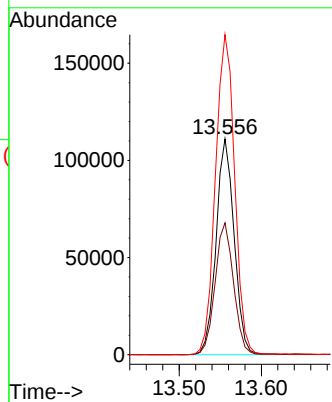
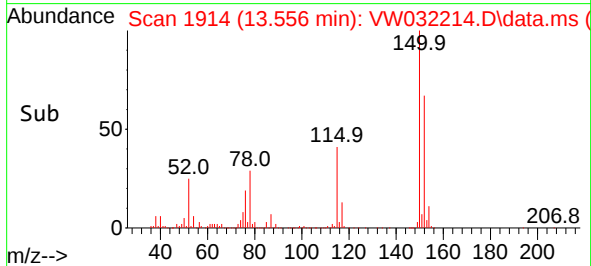


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032214.D
 Acq: 19 Sep 2025 14:43

Instrument :
 MSVOA_W
 ClientSampleId :

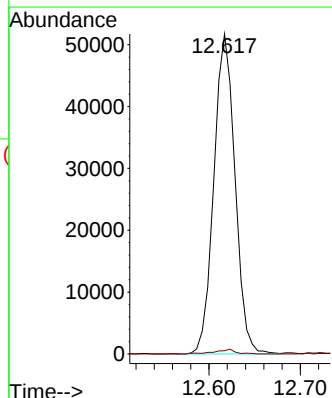
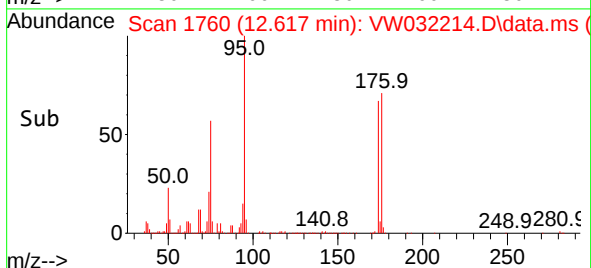
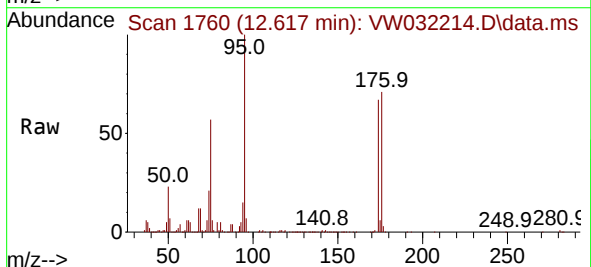


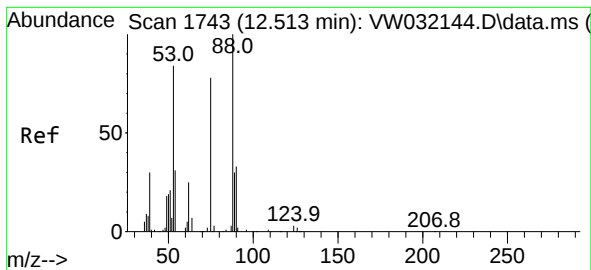
Tgt Ion:152 Resp: 169813
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.8 95.4
 150 157.0 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 39.191 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032214.D
 Acq: 19 Sep 2025 14:43

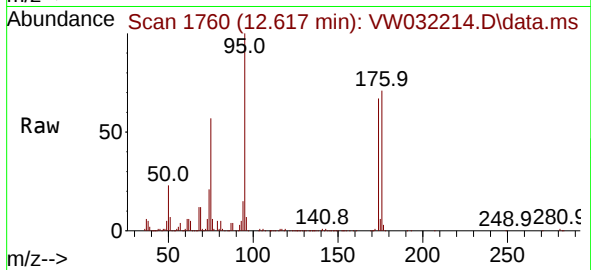
Tgt Ion: 75 Resp: 83376
 Ion Ratio Lower Upper
 75 100
 77 1.4 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.521 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032214.D
 Acq: 19 Sep 2025 14:43

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 83376
 Ion Ratio Lower Upper
 75 100
 53 0.0 91.0 136.6#
 89 0.1 39.4 59.2#

