

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
 Data File : VW032330.D
 Acq On : 02 Oct 2025 14:19
 Operator : SY/MD
 Sample : Q3266-02
 Misc : 10.12g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 21:38:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

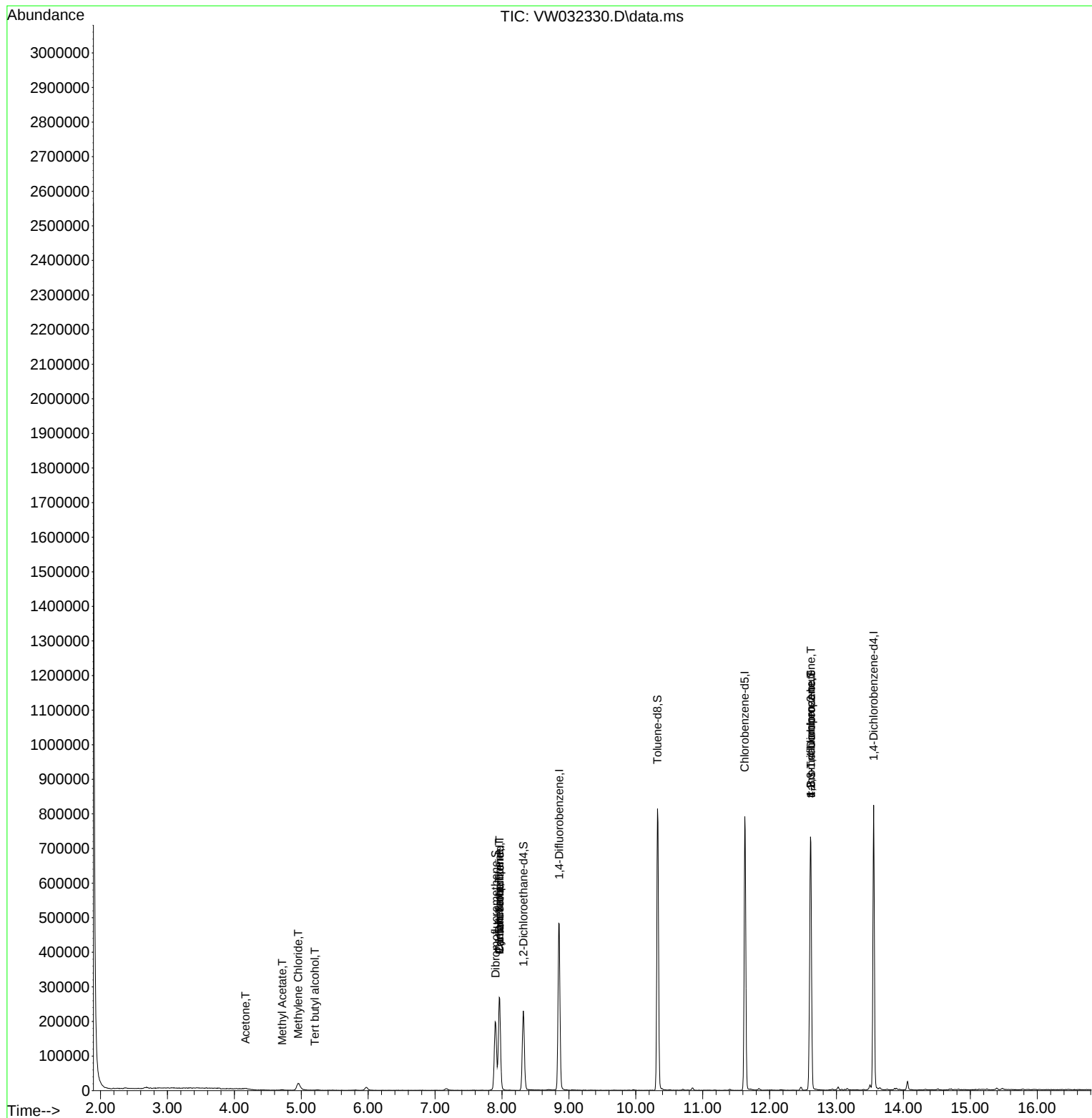
Internal Standards						
1) Pentafluorobenzene	7.965	168	184689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	407370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	435664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	195548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	188484	69.970	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 139.940%		
35) Dibromofluoromethane	7.904	113	149199	56.554	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 113.100%		
50) Toluene-d8	10.325	98	551506	56.641	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 113.280%		
62) 4-Bromofluorobenzene	12.617	95	207352	56.342	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 112.680%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.204	59	205	1.005	ug/l #	69
16) Acetone	4.167	43	2022	2.711	ug/l #	66
18) Methyl Acetate	4.716	43	3455	1.617	ug/l	100
20) Methylene Chloride	4.954	84	17832	2.100	ug/l #	91
31) Cyclohexane	7.959	56	5069	1.337	ug/l #	11
36) 1,1-Dichloropropene	7.959	75	17740	4.765	ug/l #	50
38) Carbon Tetrachloride	7.965	117	20793	5.935	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	109345	42.492	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	109345	107.644	ug/l #	5

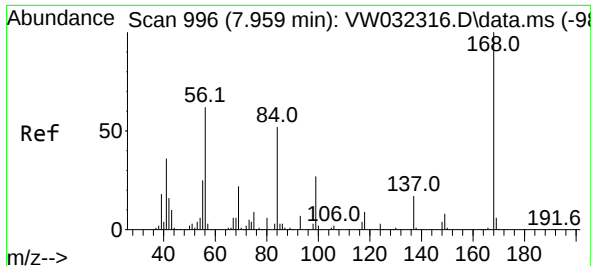
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 02 21:38:22 2025
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Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

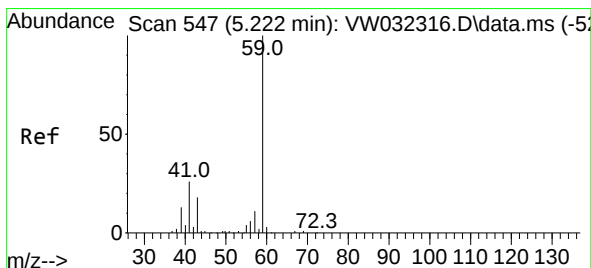
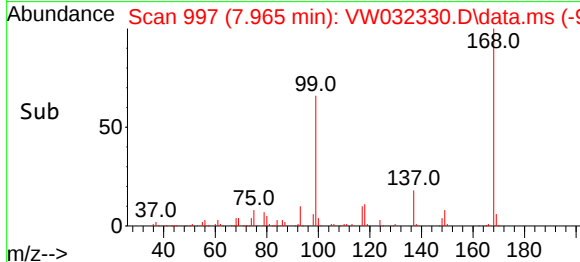
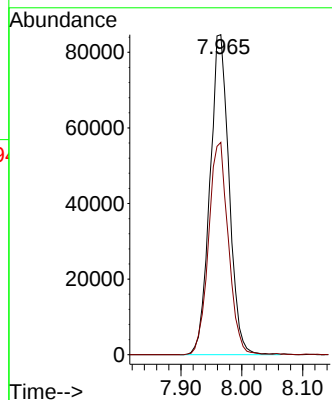
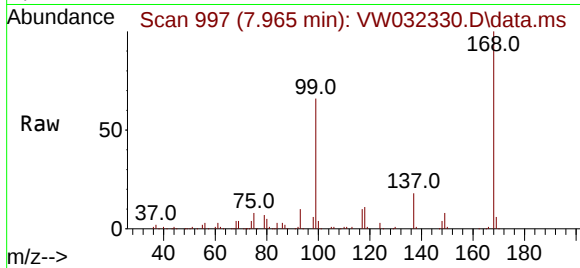




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032330.D
Acq: 02 Oct 2025 14:19

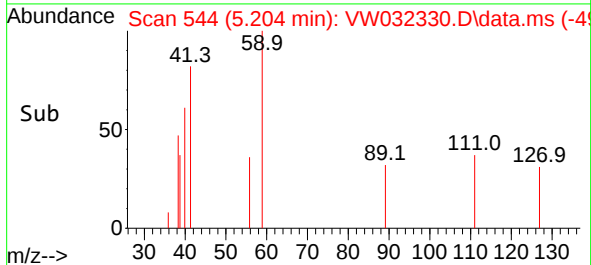
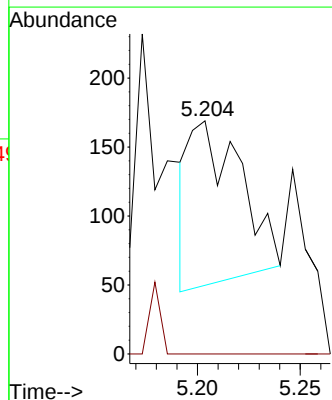
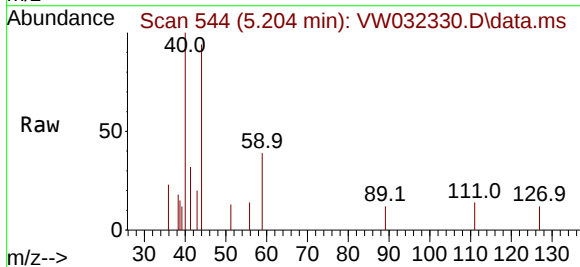
Instrument :
MSVOA_W
ClientSampleId :

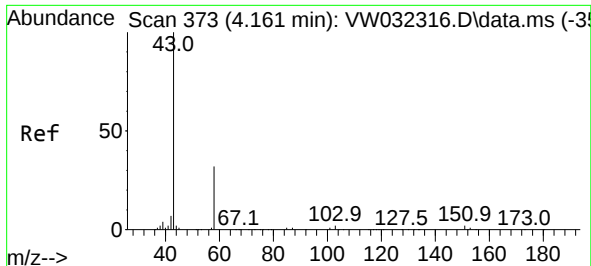
Tgt Ion:168 Resp: 184689
Ion Ratio Lower Upper
168 100
99 66.3 49.3 73.9



#11
Tert butyl alcohol
Concen: 1.005 ug/l
RT: 5.204 min Scan# 544
Delta R.T. -0.018 min
Lab File: VW032330.D
Acq: 02 Oct 2025 14:19

Tgt Ion: 59 Resp: 205
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

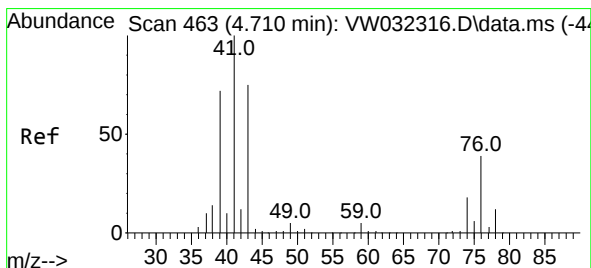
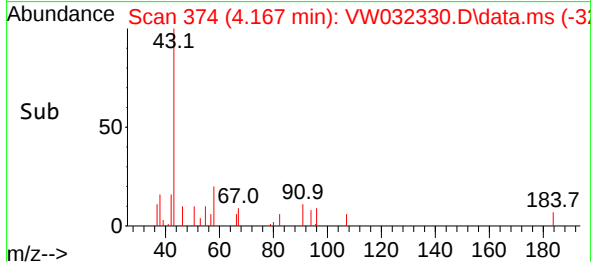
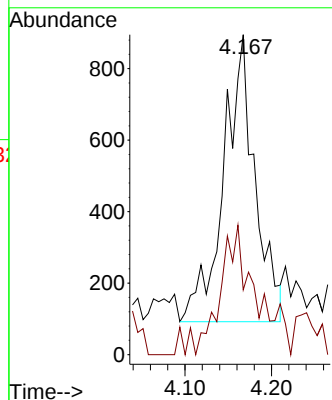
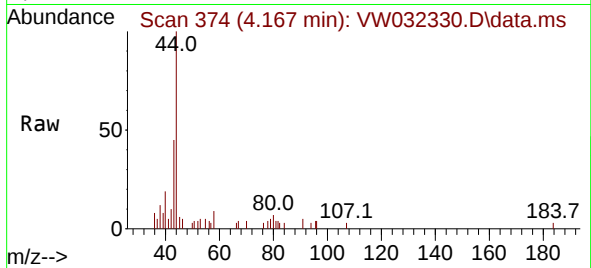




#16
Acetone
Concen: 2.711 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032330.D
Acq: 02 Oct 2025 14:19

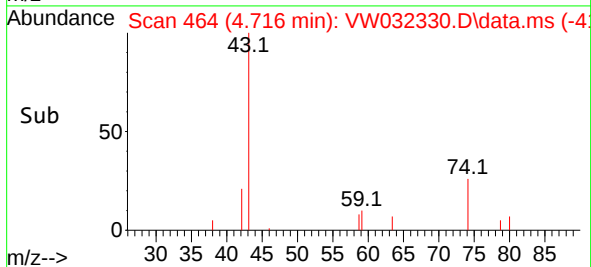
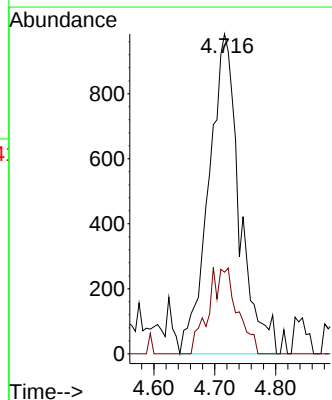
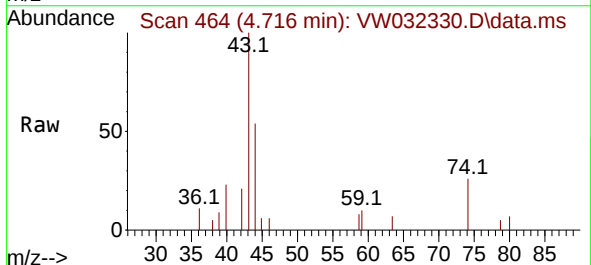
Instrument :
MSVOA_W
ClientSampleId :

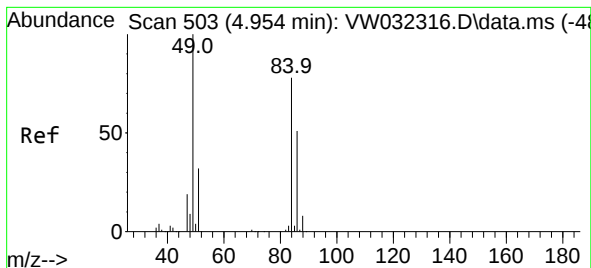
Tgt Ion: 43 Resp: 2022
Ion Ratio Lower Upper
43 100
58 13.0 25.3 37.9#



#18
Methyl Acetate
Concen: 1.617 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032330.D
Acq: 02 Oct 2025 14:19

Tgt Ion: 43 Resp: 3455
Ion Ratio Lower Upper
43 100
74 25.3 20.2 30.4





#20

Methylene Chloride

Concen: 2.100 ug/l

RT: 4.954 min Scan# 503

Delta R.T. -0.006 min

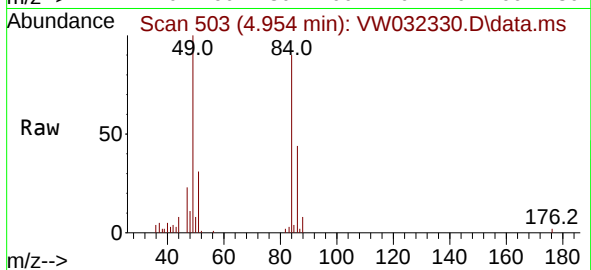
Lab File: VW032330.D

Acq: 02 Oct 2025 14:19

Instrument :

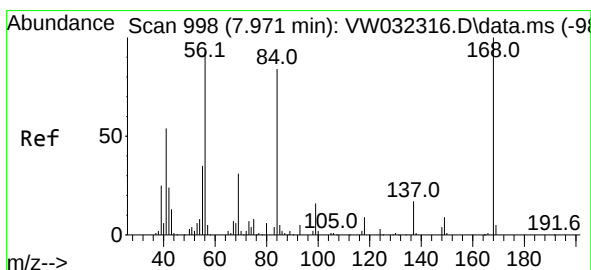
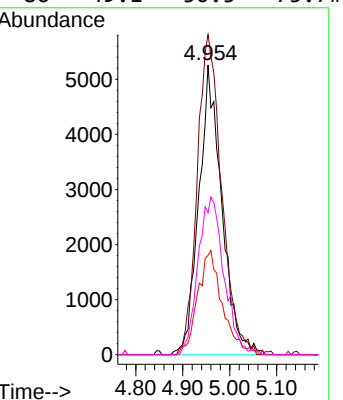
MSVOA_W

ClientSampleId :



Tgt Ion: 84 Resp: 17832

Ion	Ratio	Lower	Upper
84	100		
49	110.5	92.2	138.4
51	34.3	31.0	46.6
86	49.1	50.5	75.7



#31

Cyclohexane

Concen: 1.337 ug/l

RT: 7.959 min Scan# 996

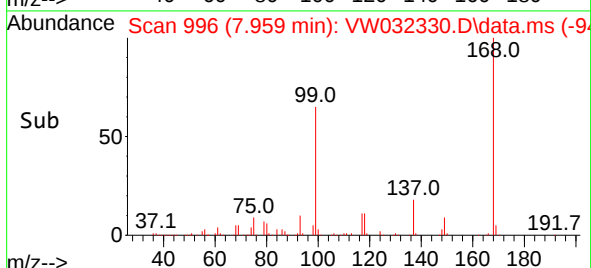
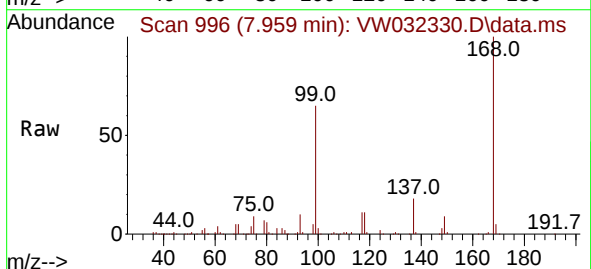
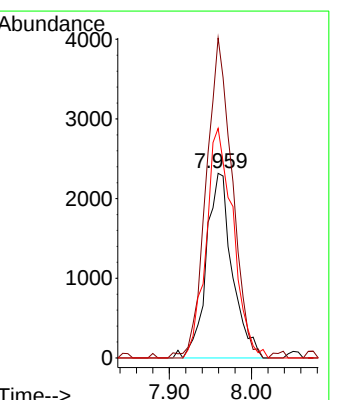
Delta R.T. -0.012 min

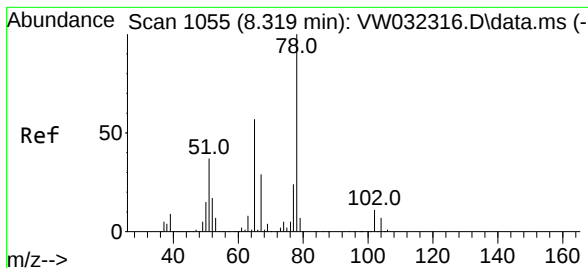
Lab File: VW032330.D

Acq: 02 Oct 2025 14:19

Tgt Ion: 56 Resp: 5069

Ion	Ratio	Lower	Upper
56	100		
69	173.3	27.7	41.5
84	124.3	74.6	112.0





#33

1,2-Dichloroethane-d4

Concen: 69.970 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032330.D

Acq: 02 Oct 2025 14:19

Instrument :

MSVOA_W

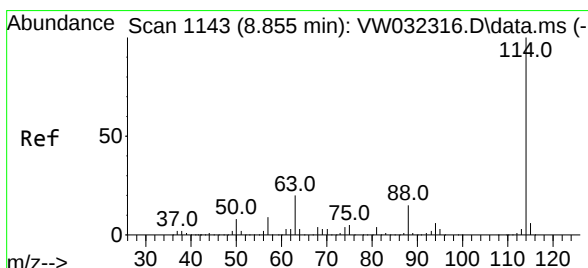
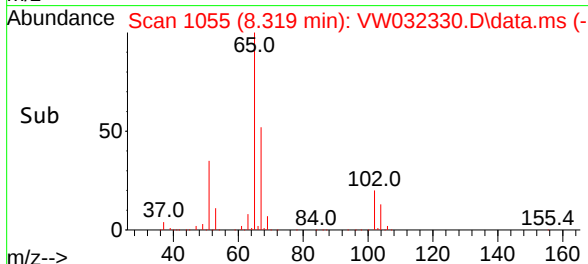
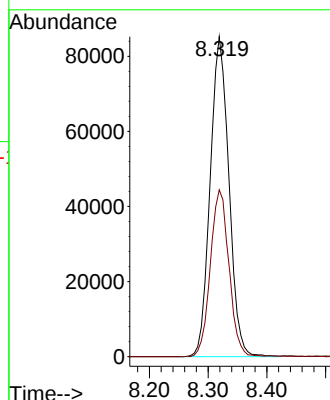
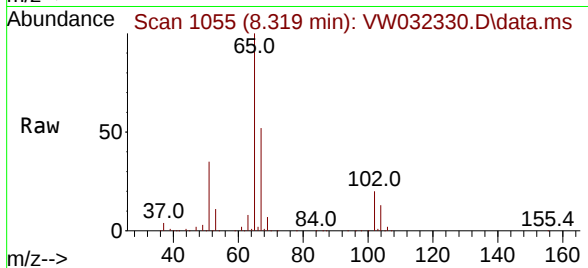
ClientSampleId :

Tgt Ion: 65 Resp: 188484

Ion Ratio Lower Upper

65 100

67 51.8 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: VW032330.D

Acq: 02 Oct 2025 14:19

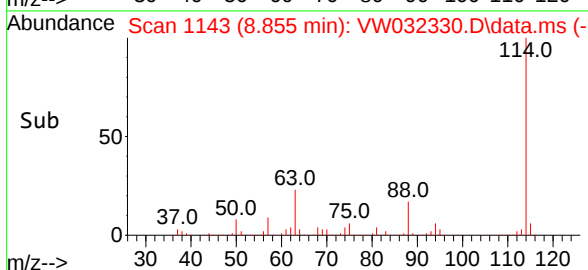
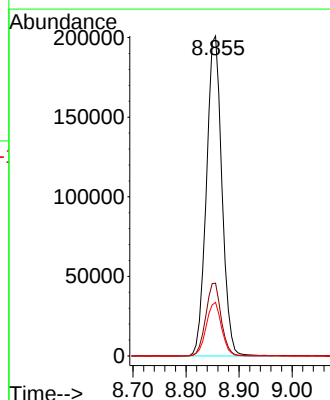
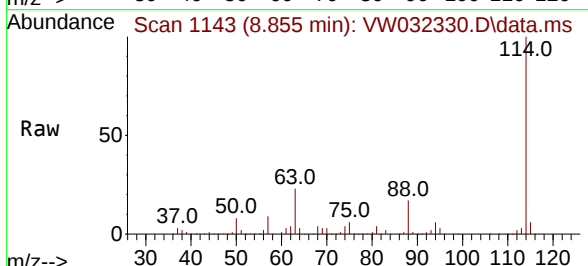
Tgt Ion: 114 Resp: 407370

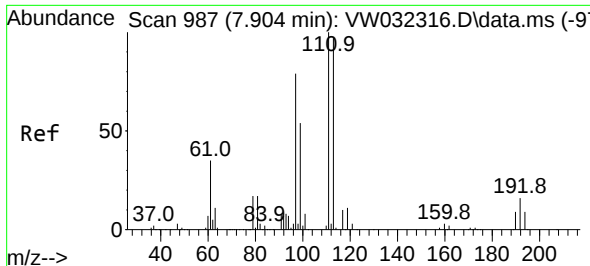
Ion Ratio Lower Upper

114 100

63 22.7 0.0 40.4

88 16.8 0.0 32.0

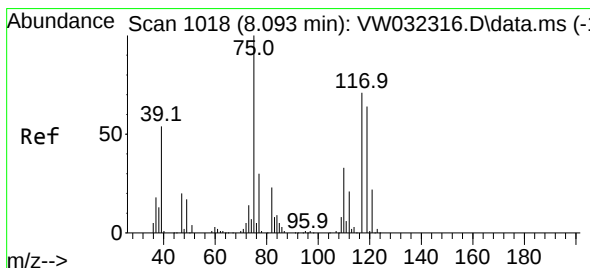
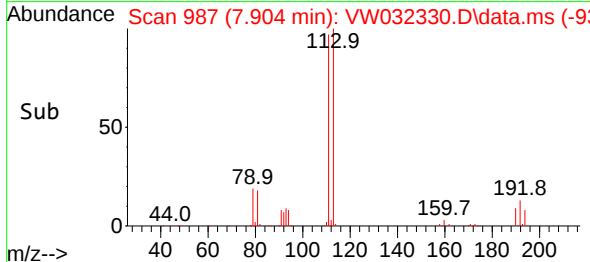
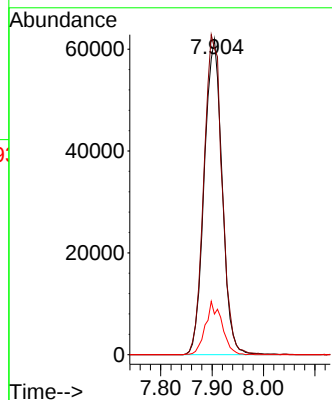
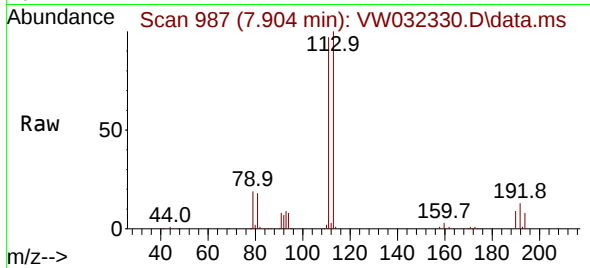




#35
Dibromofluoromethane
Concen: 56.554 ug/l
RT: 7.904 min Scan# 991
Delta R.T. -0.000 min
Lab File: VW032330.D
Acq: 02 Oct 2025 14:19

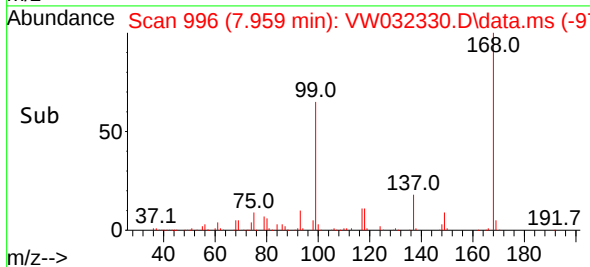
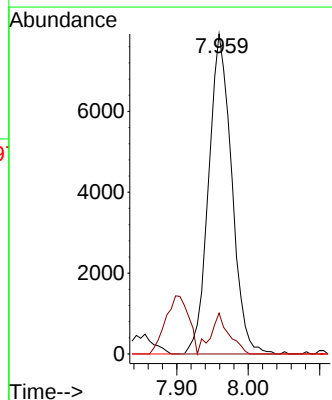
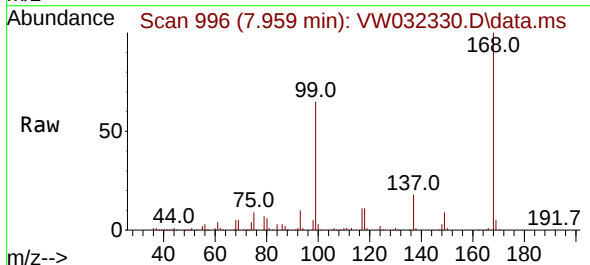
Instrument :
MSVOA_W
ClientSampleId :

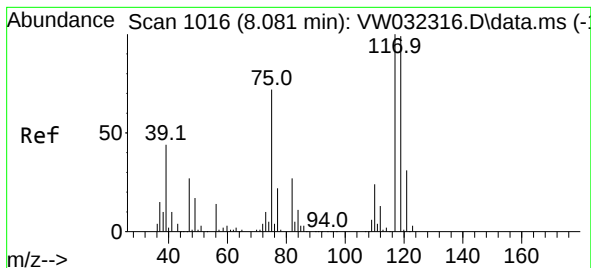
Tgt Ion:113 Resp: 149199
Ion Ratio Lower Upper
113 100
111 103.5 83.9 125.9
192 15.7 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.765 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032330.D
Acq: 02 Oct 2025 14:19

Tgt Ion: 75 Resp: 17740
Ion Ratio Lower Upper
75 100
110 8.8 17.5 52.5#
77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.935 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

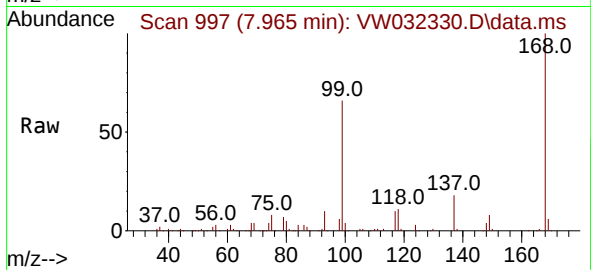
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Acq: 02 Oct 2025 14:19

Instrument :

MSVOA_W

ClientSampleId :



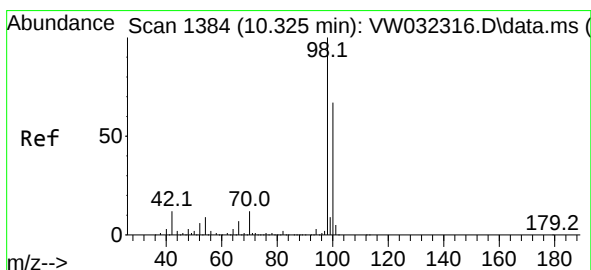
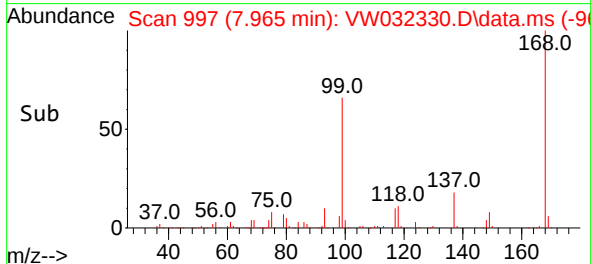
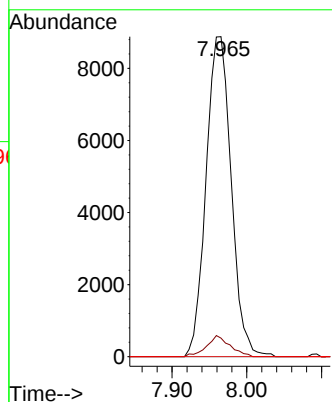
Tgt Ion:117 Resp: 20793

Ion Ratio Lower Upper

117 100

119 5.8 74.2 111.2#

121 0.0 25.6 38.4#



#50

Toluene-d8

Concen: 56.641 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032330.D

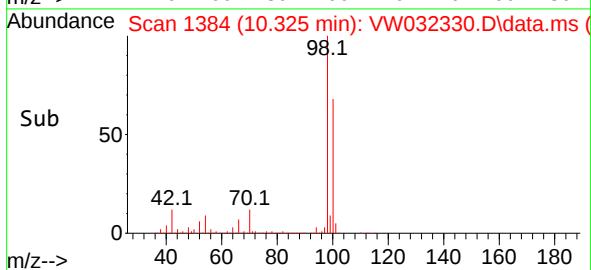
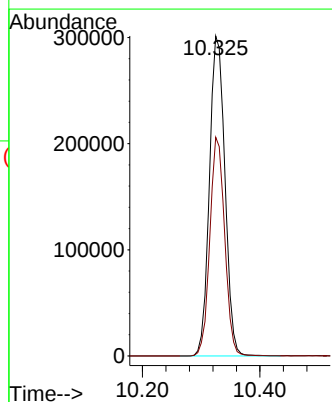
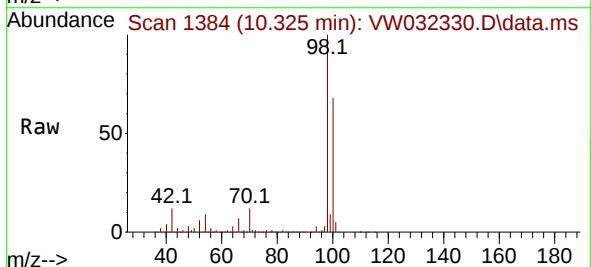
Acq: 02 Oct 2025 14:19

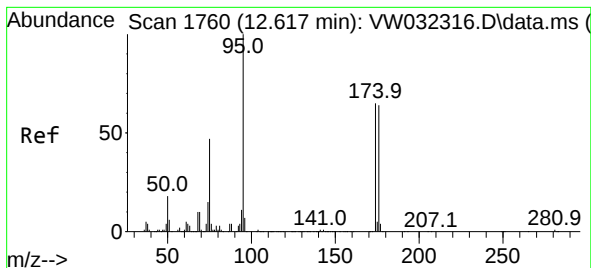
Tgt Ion: 98 Resp: 551506

Ion Ratio Lower Upper

98 100

100 65.5 51.4 77.2

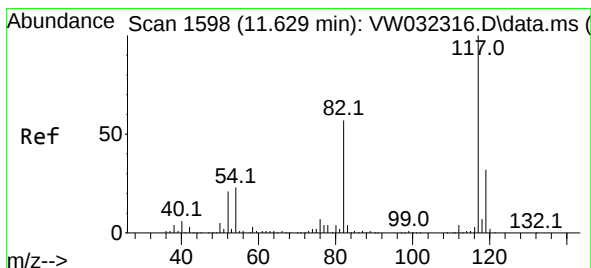
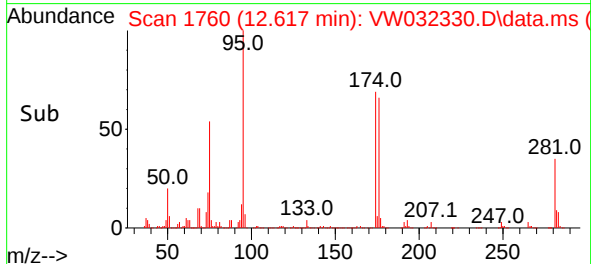
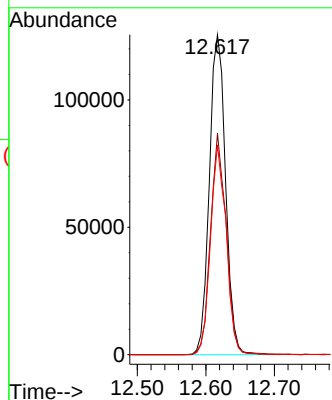
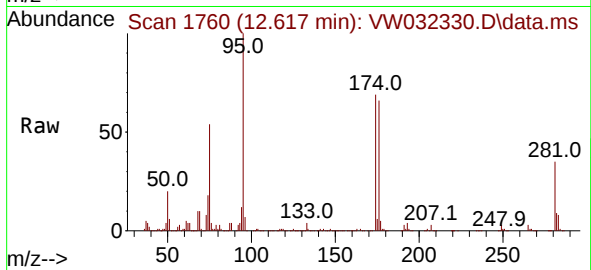




#62
4-Bromofluorobenzene
Concen: 56.342 ug/l
RT: 12.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032330.D
Acq: 02 Oct 2025 14:19

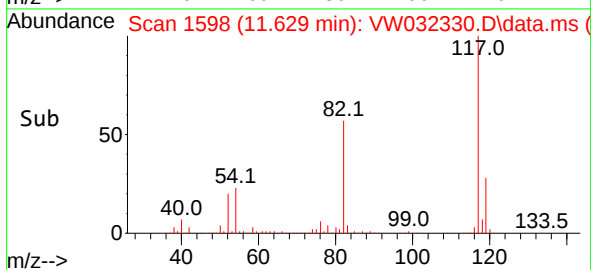
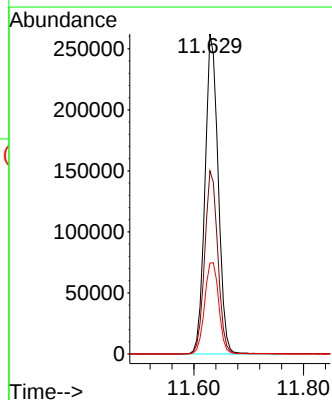
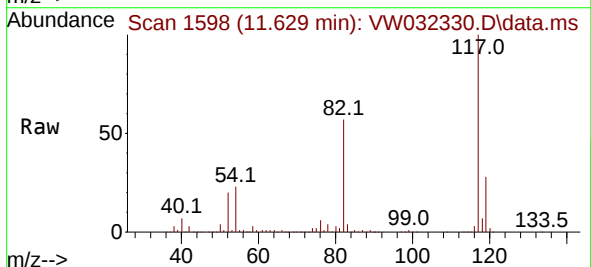
Instrument :
MSVOA_W
ClientSampleId :

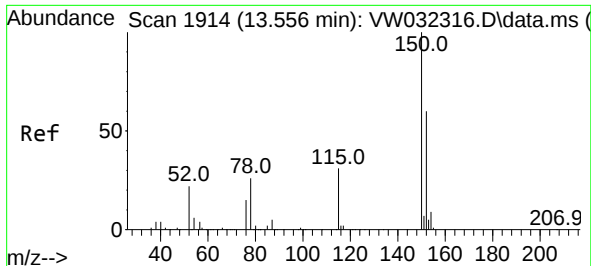
Tgt Ion: 95 Resp: 207352
Ion Ratio Lower Upper
95 100
174 66.4 0.0 145.6
176 63.5 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032330.D
Acq: 02 Oct 2025 14:19

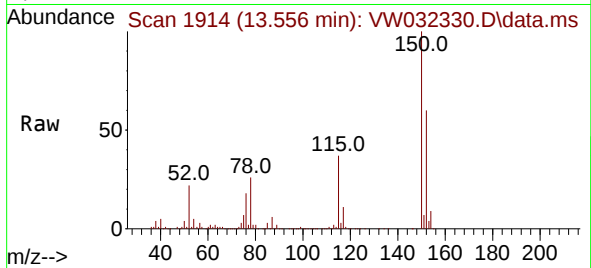
Tgt Ion: 117 Resp: 435664
Ion Ratio Lower Upper
117 100
82 57.2 42.7 64.1
119 28.4 25.2 37.8



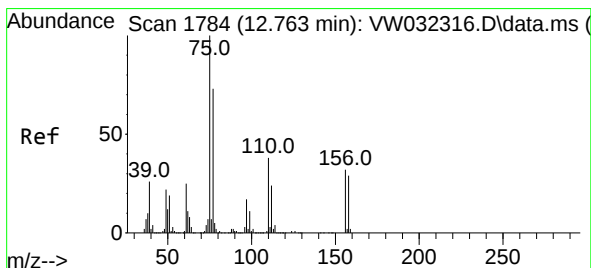
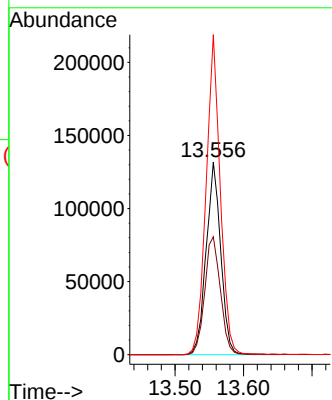
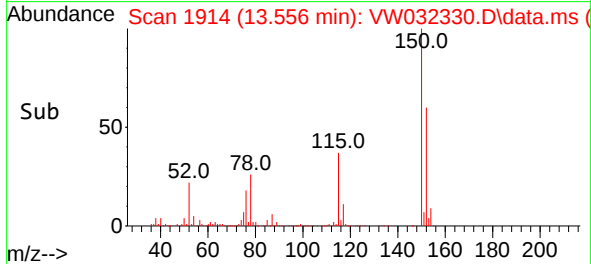


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032330.D
Acq: 02 Oct 2025 14:19

Instrument :
MSVOA_W
ClientSampleId :

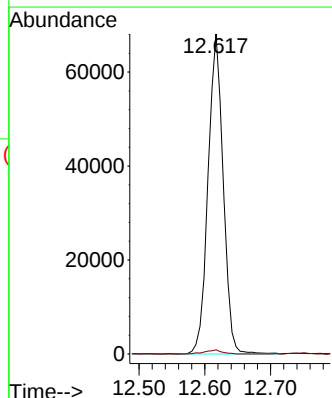
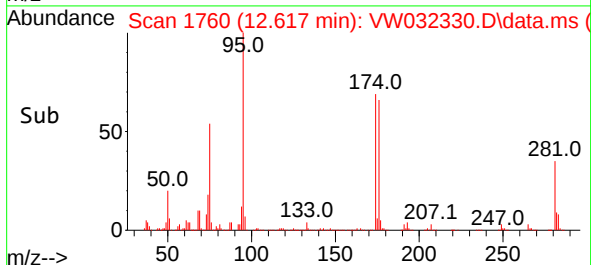
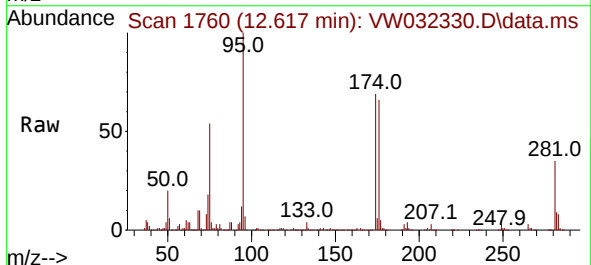


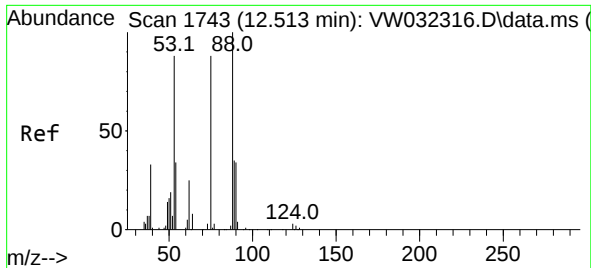
Tgt Ion:152 Resp: 195548
Ion Ratio Lower Upper
152 100
115 65.9 31.8 95.4
150 161.0 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 42.492 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032330.D
Acq: 02 Oct 2025 14:19

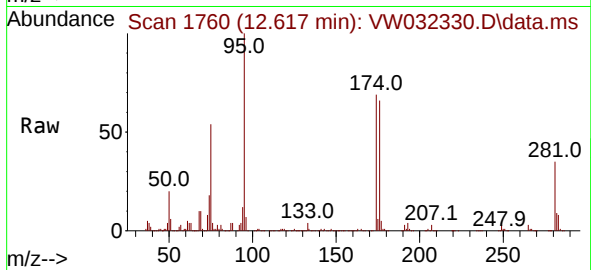
Tgt Ion: 75 Resp: 109345
Ion Ratio Lower Upper
75 100
77 1.4 141.7 425.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 107.644 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032330.D
Acq: 02 Oct 2025 14:19

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 75 Resp: 109345
Ion Ratio Lower Upper
75 100
53 0.1 91.0 136.6#
89 0.0 39.4 59.2#

