

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047756.D
 Acq On : 24 Sep 2025 06:58
 Operator : JC/MD
 Sample : Q3127-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D7-20250916

Quant Time: Sep 24 07:27:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

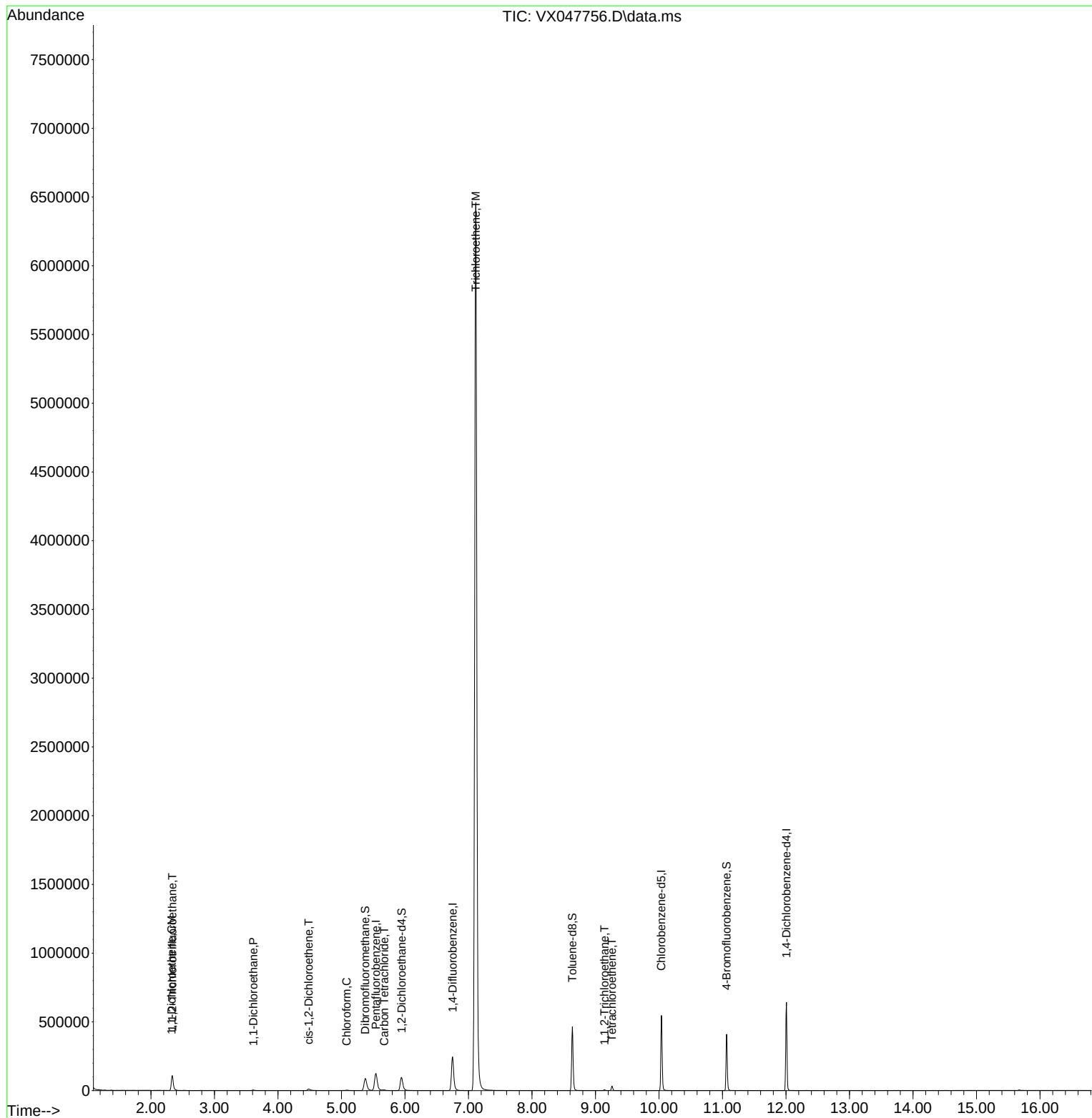
Internal Standards						
1) Pentafluorobenzene	5.544	168	125336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	268455	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103942	52.100	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.200%	
35) Dibromofluoromethane	5.373	113	84581	46.979	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.960%	
50) Toluene-d8	8.635	98	277338	44.518	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 89.040%#	
62) 4-Bromofluorobenzene	11.061	95	121246	51.282	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.560%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	41129	28.371	ug/l	99
12) 1,1-Dichloroethene	2.325	96	11275	7.572	ug/l	98
24) 1,1-Dichloroethane	3.611	63	5764	1.821	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	7948	4.048	ug/l	87
30) Chloroform	5.080	83	4512	1.411	ug/l	90
38) Carbon Tetrachloride	5.672	117	4197	1.468	ug/l	92
44) Trichloroethene	7.117	130	2711555	1403.640	ug/l	96
55) 1,1,2-Trichloroethane	9.141	97	1550	0.817	ug/l #	85
64) Tetrachloroethene	9.257	164	6343	3.771	ug/l	97

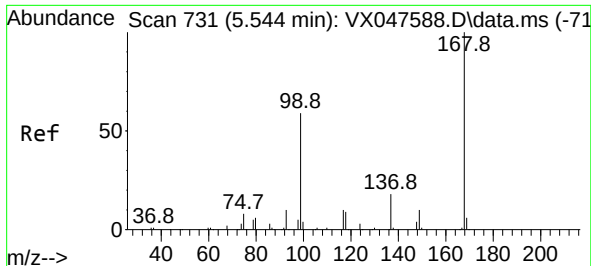
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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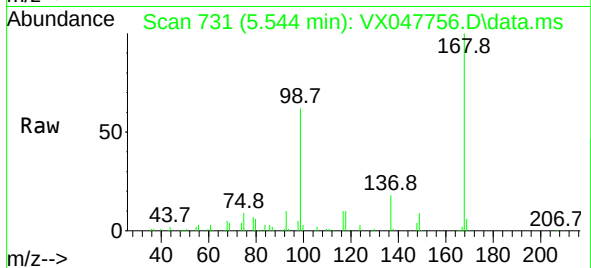
Quant Time: Sep 24 07:27:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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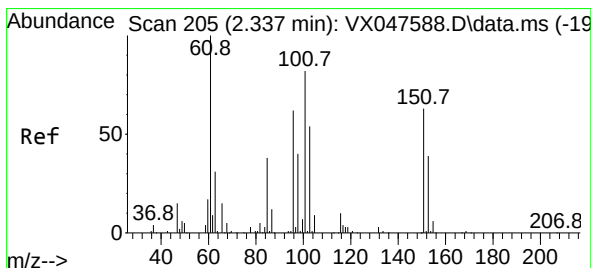
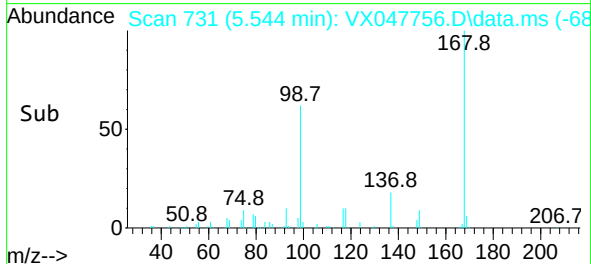
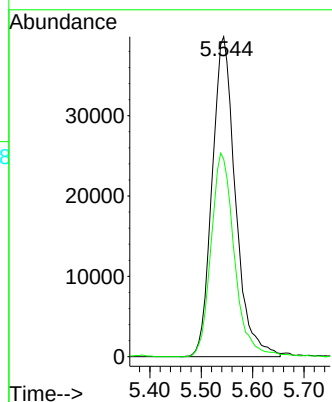


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250916

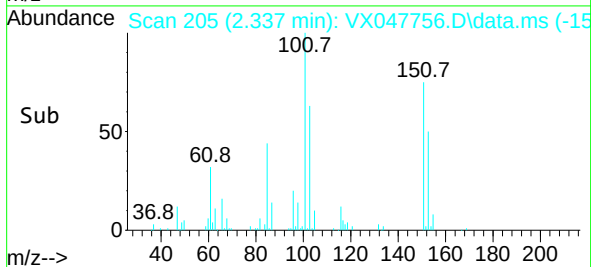
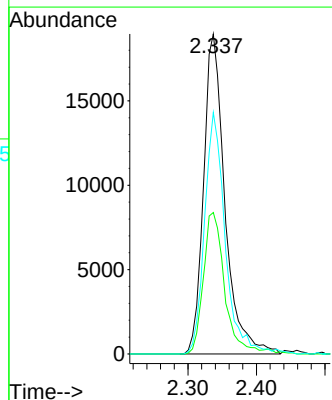
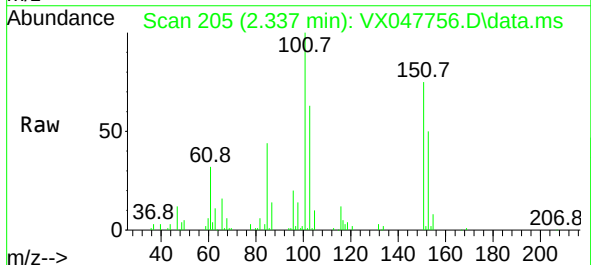


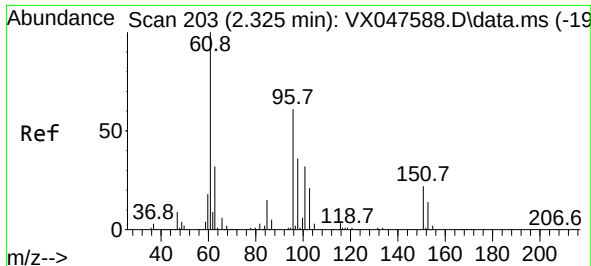
Tgt Ion:168 Resp: 125336
Ion Ratio Lower Upper
168 100
99 61.7 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 28.371 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

Tgt Ion:101 Resp: 41129
Ion Ratio Lower Upper
101 100
85 44.5 35.5 53.3
151 73.4 59.4 89.0





#12

1,1-Dichloroethene

Concen: 7.572 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047756.D

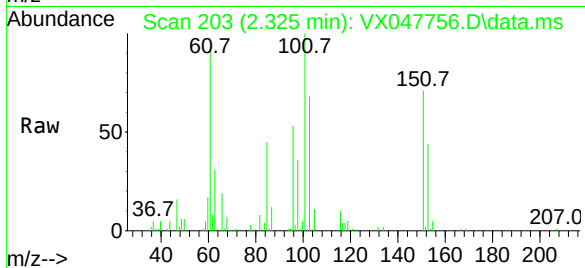
Acq: 24 Sep 2025 06:58

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20250916



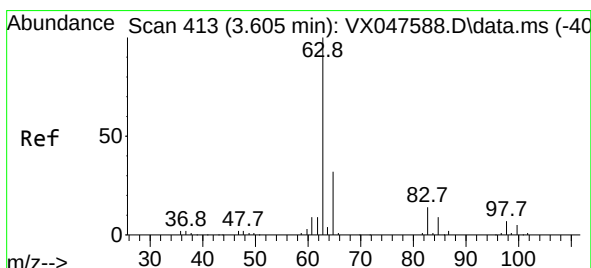
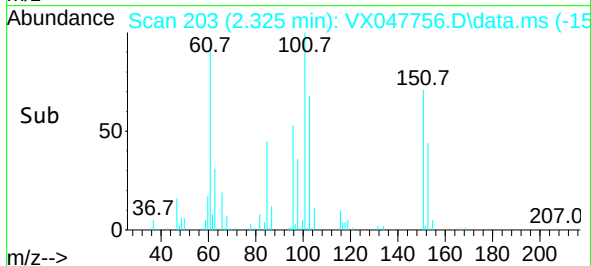
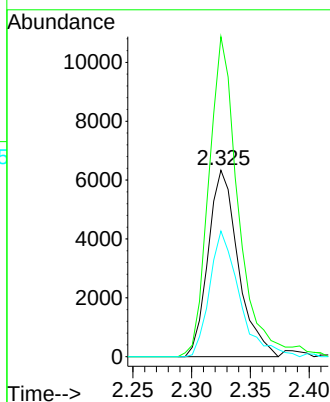
Tgt Ion: 96 Resp: 11275

Ion Ratio Lower Upper

96 100

61 162.0 131.0 196.6

98 63.6 47.7 71.5



#24

1,1-Dichloroethane

Concen: 1.821 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX047756.D

Acq: 24 Sep 2025 06:58

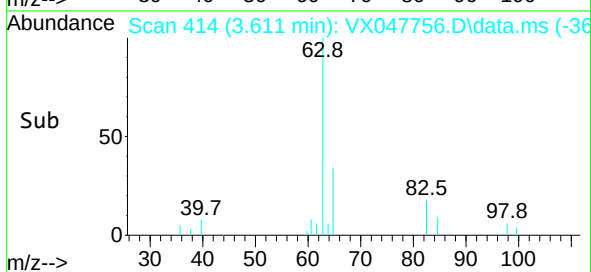
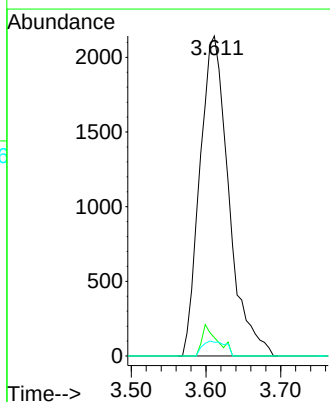
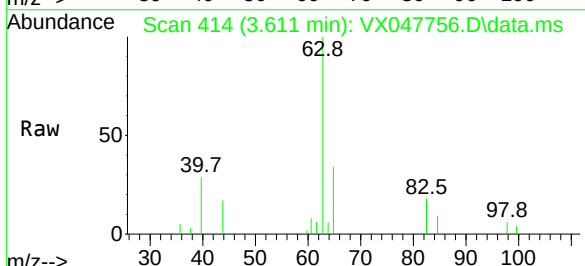
Tgt Ion: 63 Resp: 5764

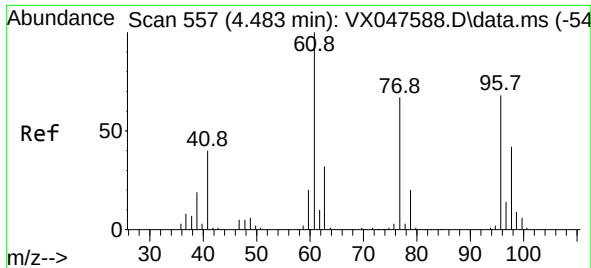
Ion Ratio Lower Upper

63 100

98 5.8 3.8 11.2

100 4.3 2.3 6.9



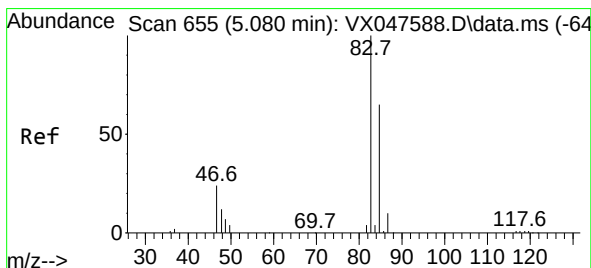
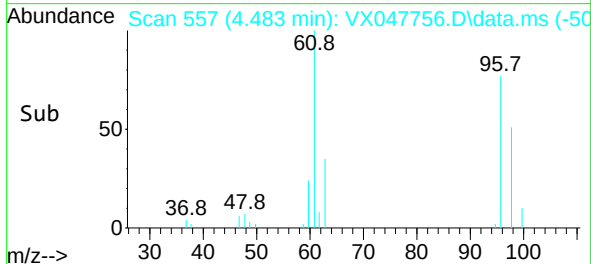
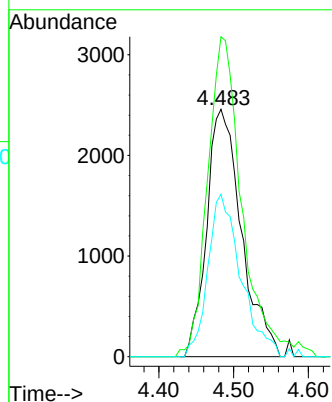
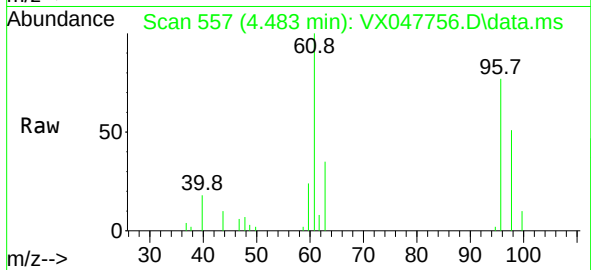


#27
 cis-1,2-Dichloroethene
 Concen: 4.048 ug/l
 RT: 4.483 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VX047756.D
 Acq: 24 Sep 2025 06:58

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D7-20250916

Tgt Ion: 96 Resp: 7948

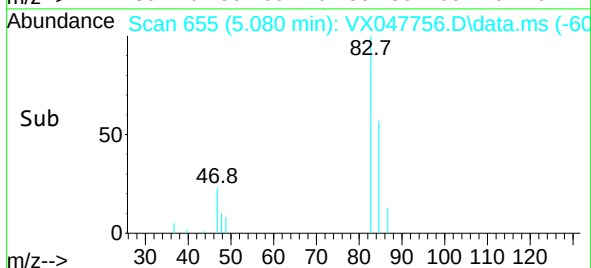
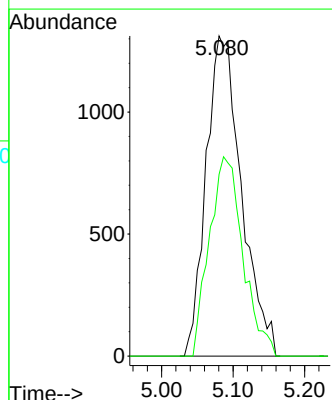
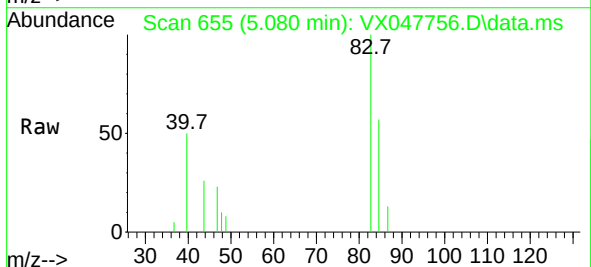
Ion	Ratio	Lower	Upper
96	100		
61	128.9	0.0	303.2
98	62.3	0.0	127.8

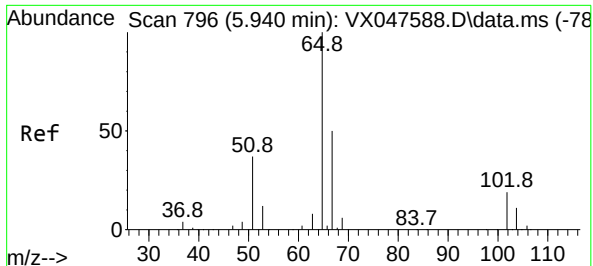


#30
 Chloroform
 Concen: 1.411 ug/l
 RT: 5.080 min Scan# 655
 Delta R.T. -0.000 min
 Lab File: VX047756.D
 Acq: 24 Sep 2025 06:58

Tgt Ion: 83 Resp: 4512

Ion	Ratio	Lower	Upper
83	100		
85	56.8	51.8	77.6

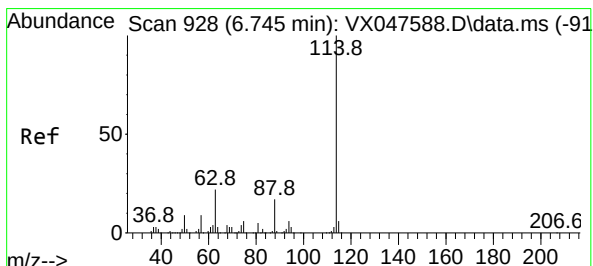
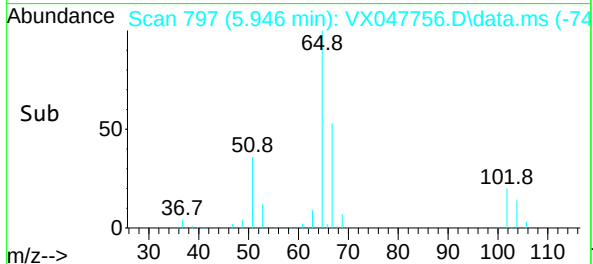
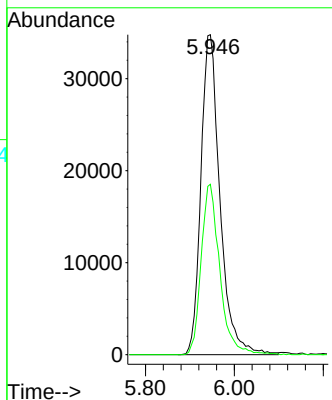
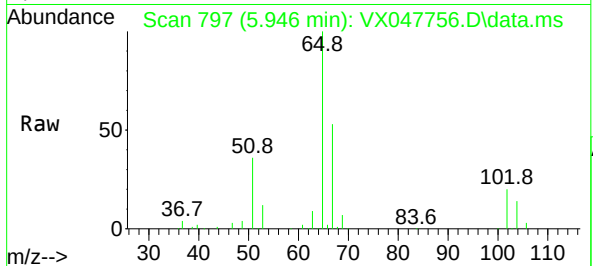




#33
 1,2-Dichloroethane-d4
 Concen: 52.100 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX047756.D
 Acq: 24 Sep 2025 06:58

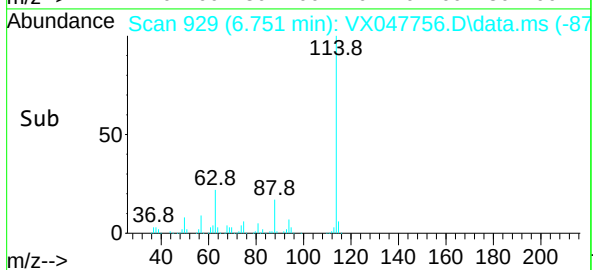
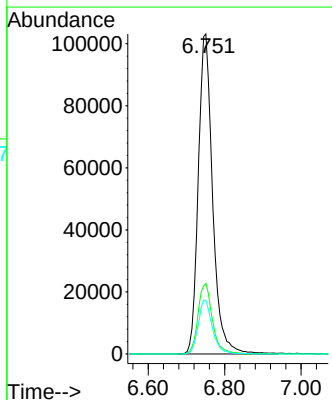
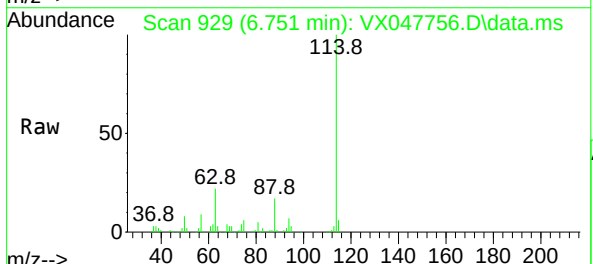
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D7-20250916

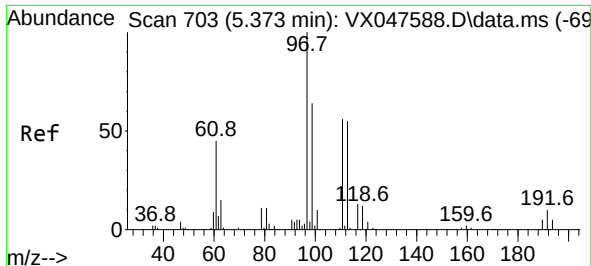
Tgt Ion: 65 Resp: 103942
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX047756.D
 Acq: 24 Sep 2025 06:58

Tgt Ion: 114 Resp: 268455
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.0
 88 16.7 0.0 34.2

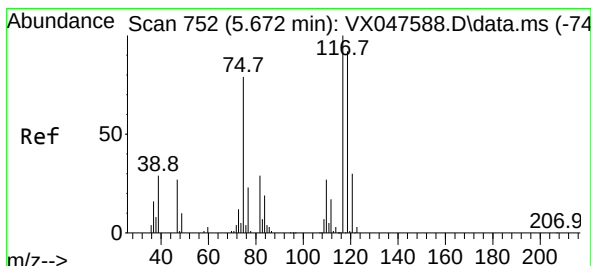
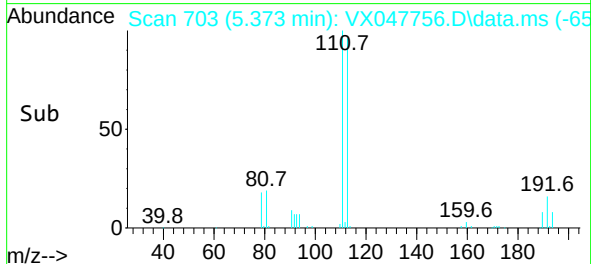
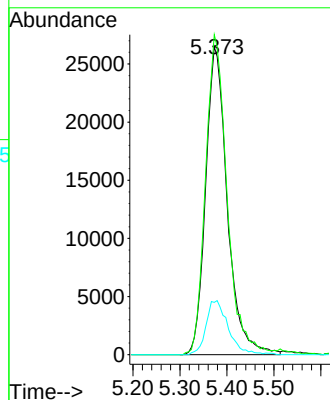
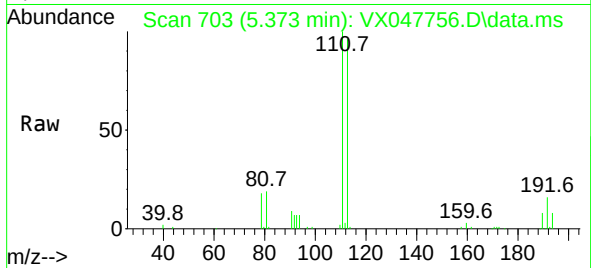




#35
Dibromofluoromethane
Concen: 46.979 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

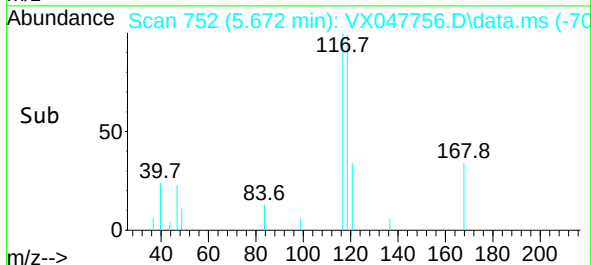
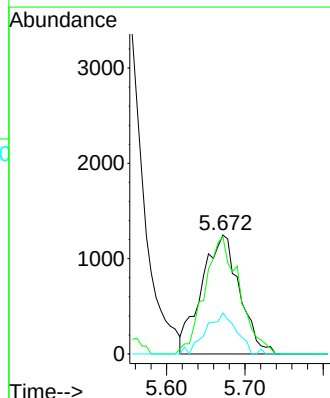
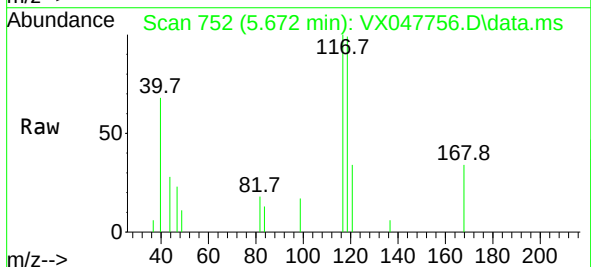
Instrument :
MSVOA_X
ClientSampleId :
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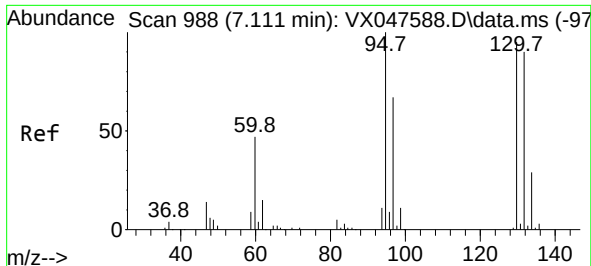
Tgt Ion:113 Resp: 84581
Ion Ratio Lower Upper
113 100
111 103.4 80.9 121.3
192 18.0 14.2 21.4



#38
Carbon Tetrachloride
Concen: 1.468 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

Tgt Ion:117 Resp: 4197
Ion Ratio Lower Upper
117 100
119 98.6 73.4 110.2
121 34.4 23.8 35.6

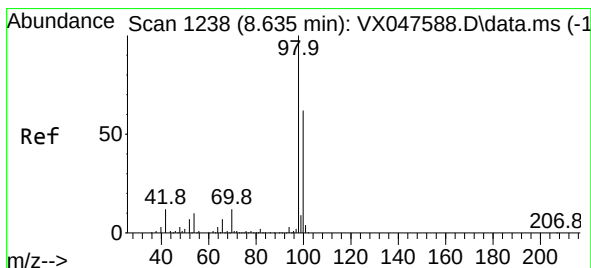
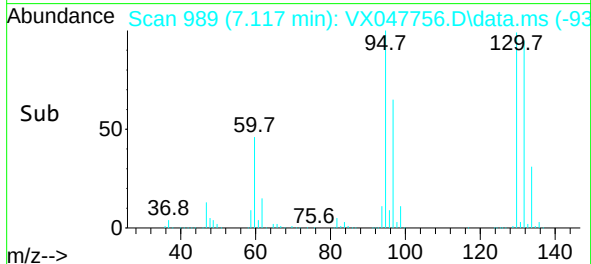
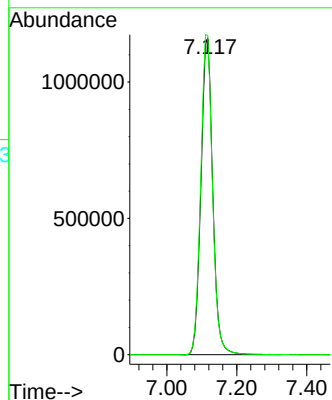
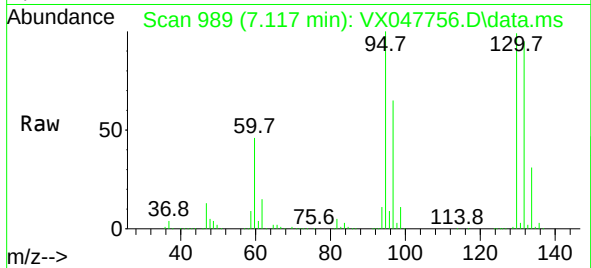




#44
Trichloroethene
Concen: 1403.640 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

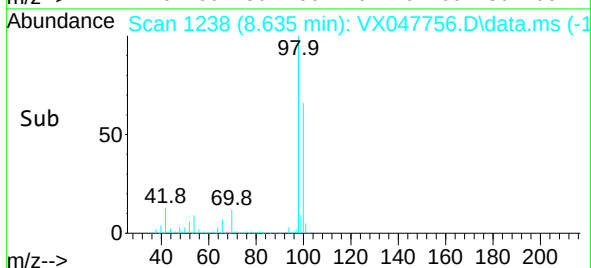
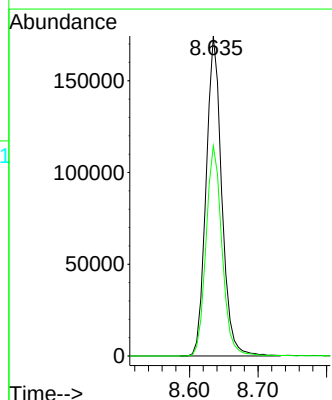
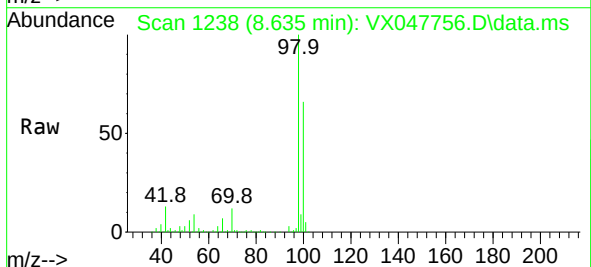
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250916

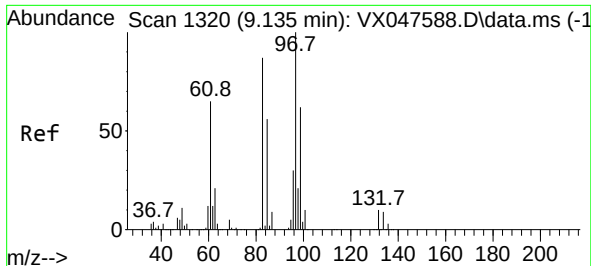
Tgt Ion:130 Resp: 2711555
Ion Ratio Lower Upper
130 100
95 101.0 0.0 210.8



#50
Toluene-d8
Concen: 44.518 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

Tgt Ion: 98 Resp: 277338
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.4

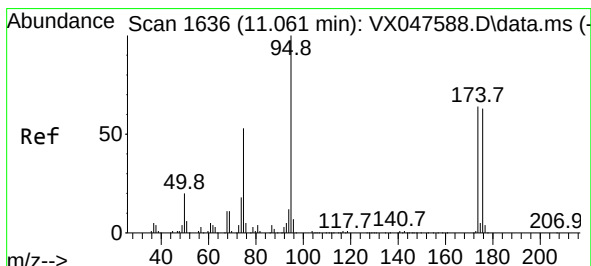
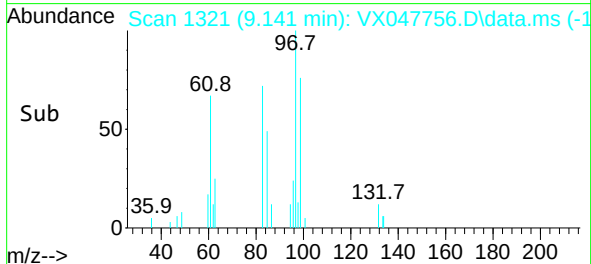
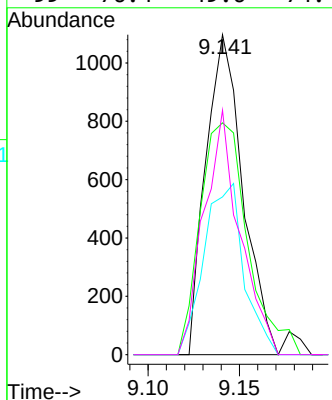
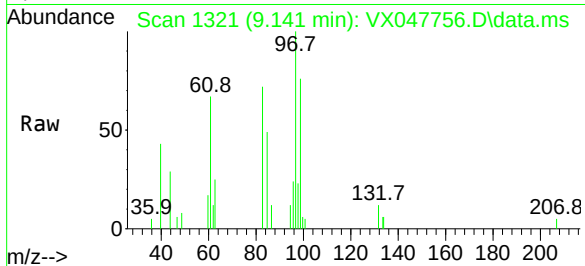




#55
1,1,2-Trichloroethane
Concen: 0.817 ug/l
RT: 9.141 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

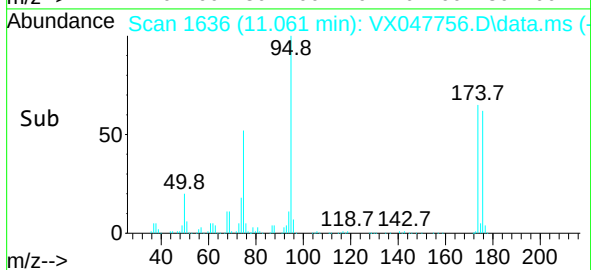
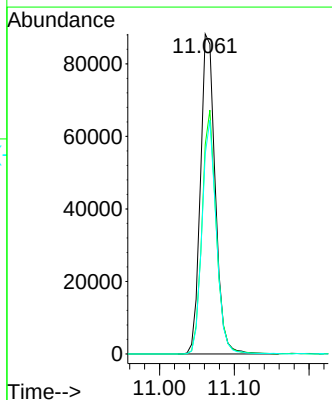
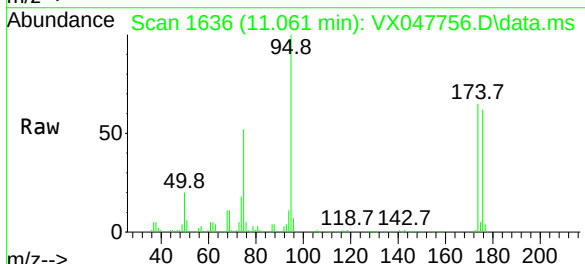
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250916

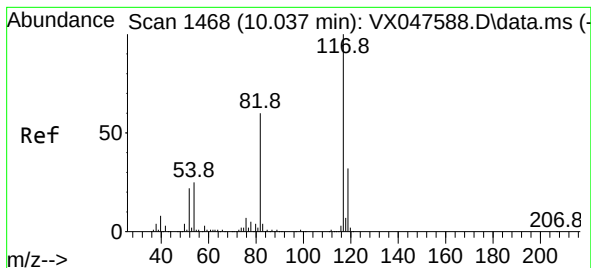
Tgt Ion: 97	Resp: 1550
Ion Ratio	Lower Upper
97 100	
83 72.5	69.6 104.4
85 49.3	45.0 67.6
99 76.4	49.6 74.4#



#62
4-Bromofluorobenzene
Concen: 51.282 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

Tgt Ion: 95	Resp: 121246
Ion Ratio	Lower Upper
95 100	
174 73.1	0.0 141.6
176 70.5	0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX047756.D

Acq: 24 Sep 2025 06:58

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20250916

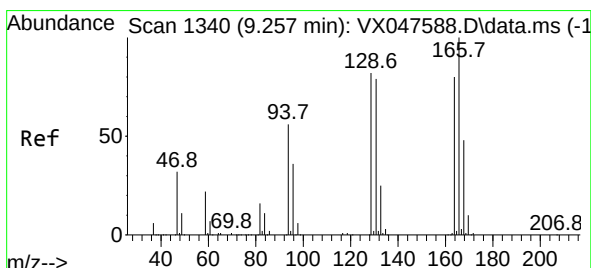
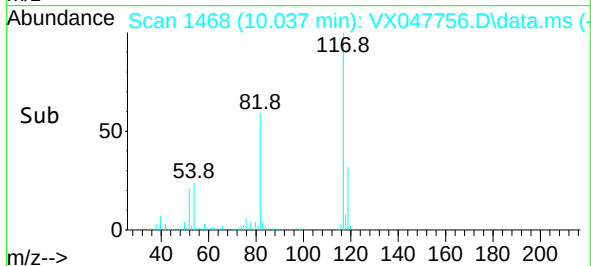
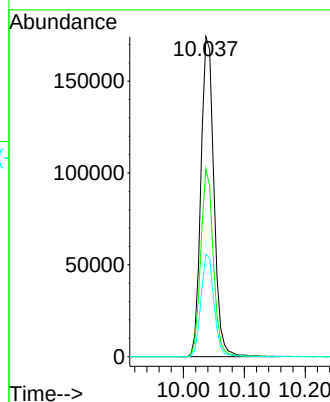
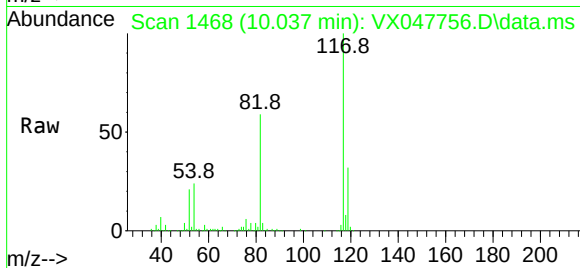
Tgt Ion:117 Resp: 258041

Ion Ratio Lower Upper

117 100

82 58.7 47.8 71.6

119 31.9 25.2 37.8



#64

Tetrachloroethene

Concen: 3.771 ug/l

RT: 9.257 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VX047756.D

Acq: 24 Sep 2025 06:58

Tgt Ion:164 Resp: 6343

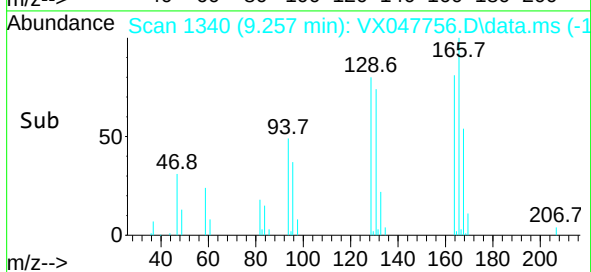
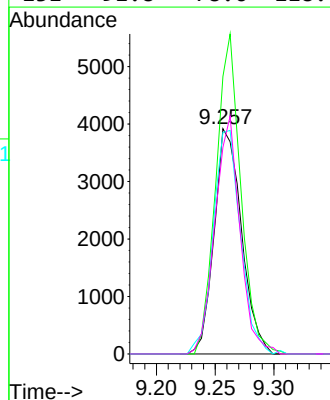
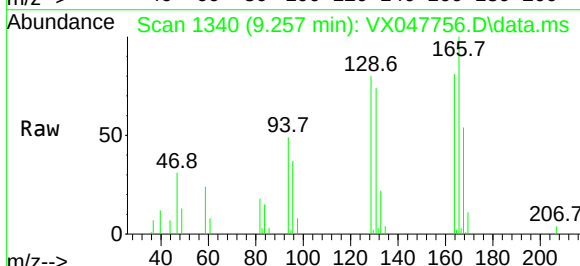
Ion Ratio Lower Upper

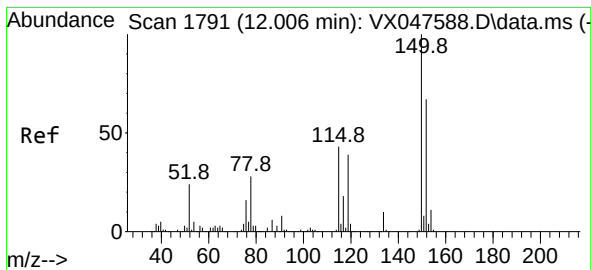
164 100

166 123.2 100.2 150.2

129 101.4 81.8 122.6

131 91.8 78.6 118.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047756.D

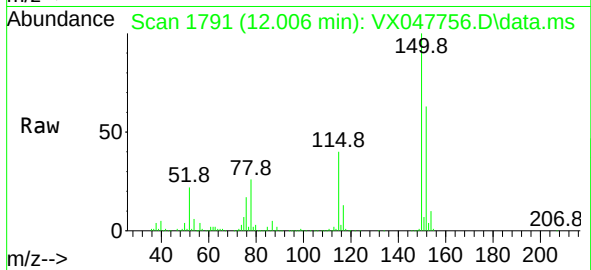
Acq: 24 Sep 2025 06:58

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20250916



Tgt Ion:152 Resp: 131134

Ion Ratio Lower Upper

152 100

115 62.3 44.9 134.5

150 158.8 0.0 352.0

