

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)

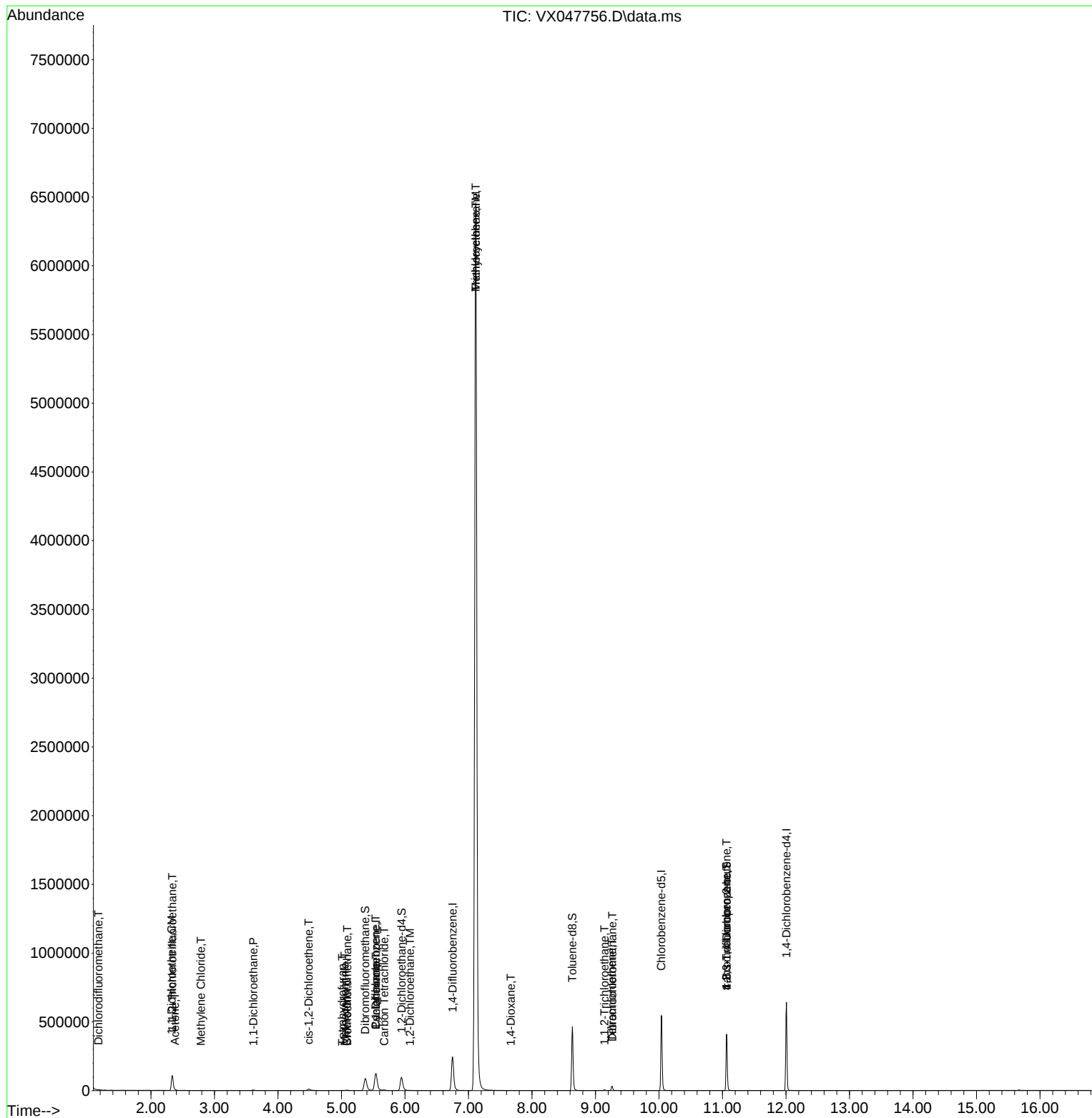
Internal Standards						
1) Pentafluorobenzene	5.544	168	125336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	268455	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
2) Dichlorodifluoromethane	1.173	85	482	0.371	ug/l	87
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
16) Acetone	2.380	43	1483	1.710	ug/l #	61
20) Methylene Chloride	2.788	84	401	0.218	ug/l #	61
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
28) Bromochloromethane	5.093	49	285	0.206	ug/l #	15
29) Tetrahydrofuran	5.013	42	437	0.671	ug/l #	34
30) Chloroform	5.080	83	4512	1.411	ug/l	90
31) Cyclohexane	5.544	56	2941	1.116	ug/l #	15
36) 1,1-Dichloropropene	5.538	75	11026	4.191	ug/l #	51
38) Carbon Tetrachloride	5.672	117	4197	1.468	ug/l	92
39) Methylcyclohexane	7.117	83	31331	10.491	ug/l #	1
41) Methacrylonitrile	5.050	41	528	0.363	ug/l #	33
42) 1,2-Dichloroethane	6.080	62	934	0.307	ug/l #	76
44) Trichloroethene	7.117	130	2711555	1403.640	ug/l	96
49) 1,4-Dioxane	7.665	88	265	11.395	ug/l #	84
55) 1,1,2-Trichloroethane	9.141	97	1550	0.817	ug/l #	85
60) Dibromochloromethane	9.263	129	6310	2.885	ug/l #	11
64) Tetrachloroethene	9.257	164	6343	3.771	ug/l	97
76) 1,2,3-Trichloropropane	11.061	75	62180	23.419	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	62180	59.723	ug/l #	8

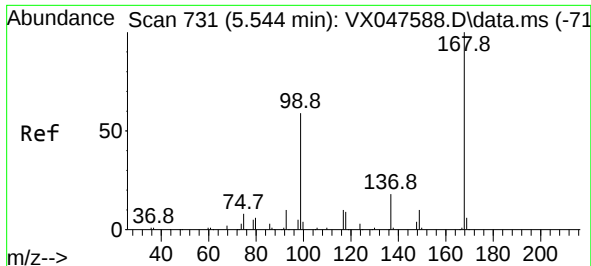
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

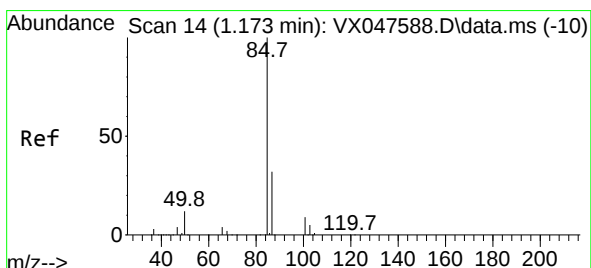
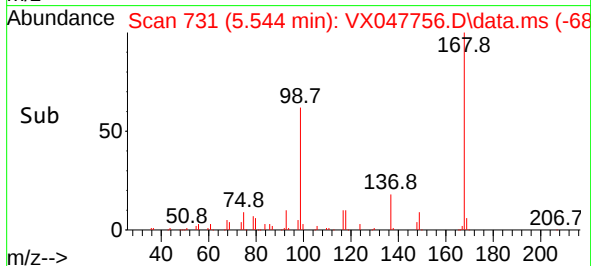
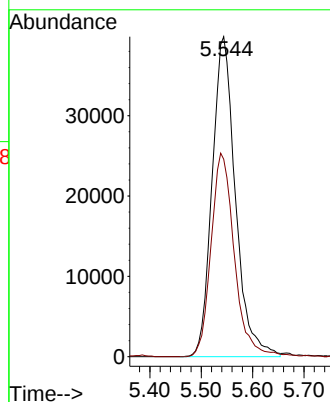
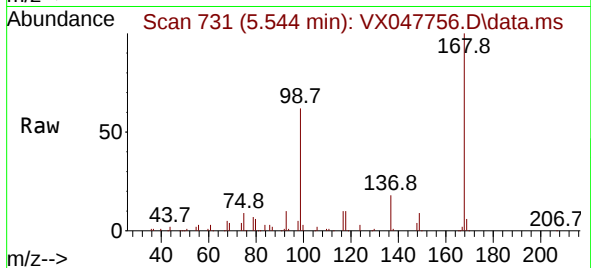




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

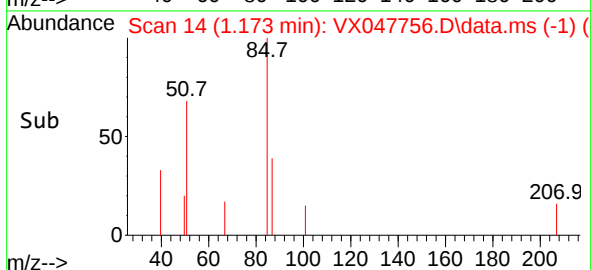
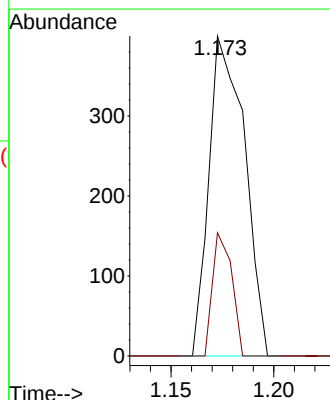
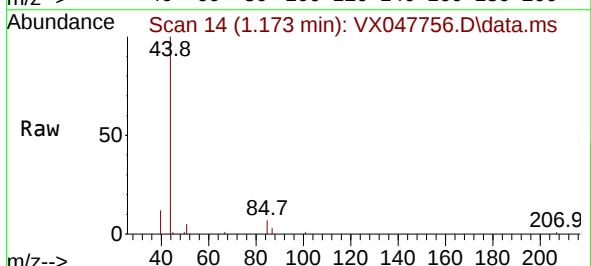
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250916

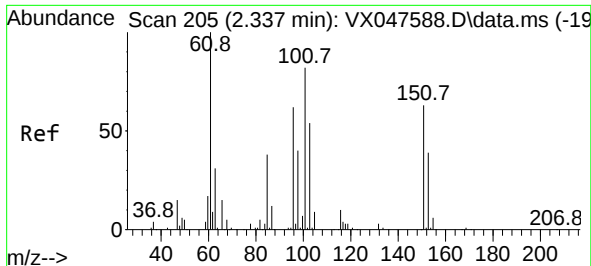
Tgt Ion:168 Resp: 125336
Ion Ratio Lower Upper
168 100
99 61.7 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.371 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

Tgt Ion: 85 Resp: 482
Ion Ratio Lower Upper
85 100
87 38.5 15.8 47.3

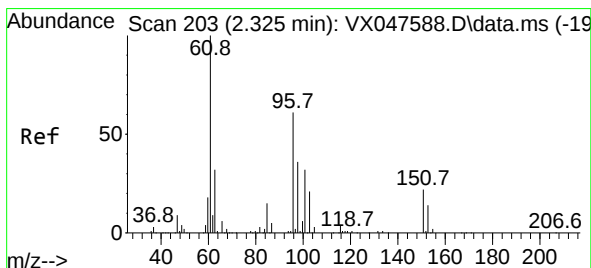
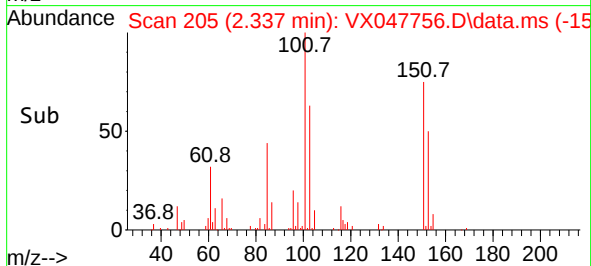
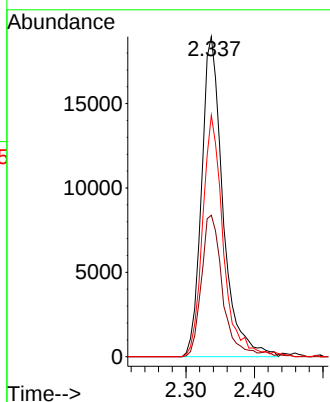
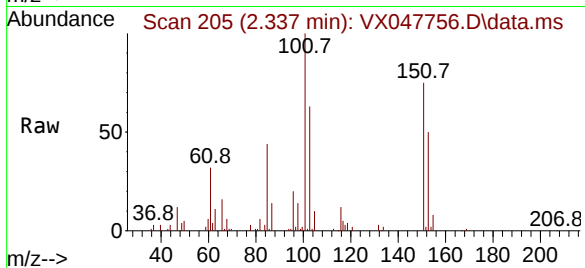




#9
1,1,2-Trichlorotrifluoroethane
Concen: 28.371 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

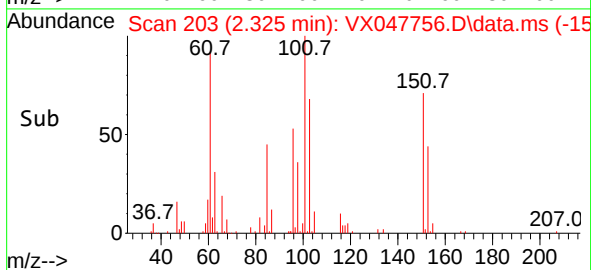
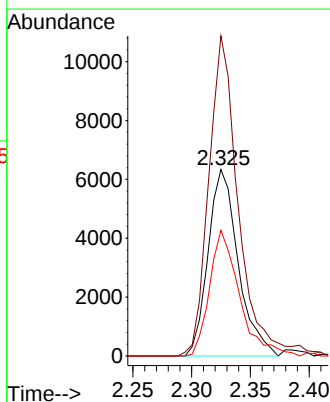
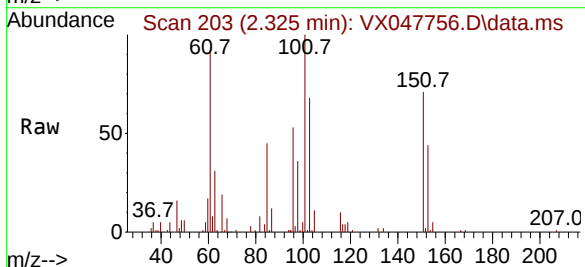
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250916

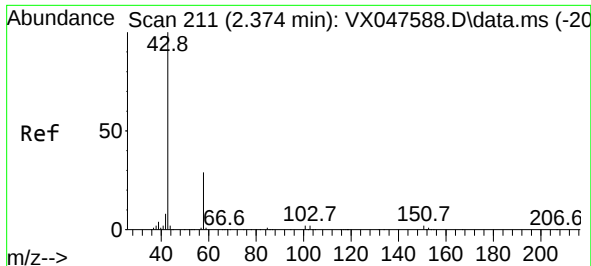
Tgt Ion:101 Resp: 41129
Ion Ratio Lower Upper
101 100
85 44.5 35.5 53.3
151 73.4 59.4 89.0



#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

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

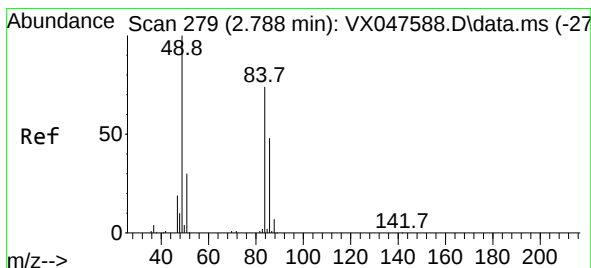
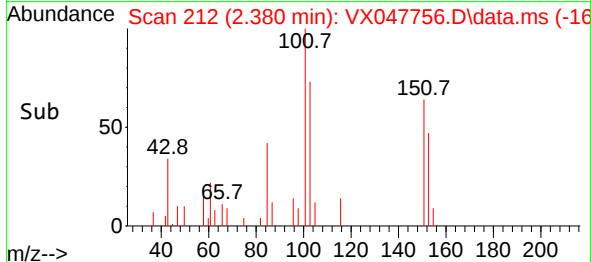
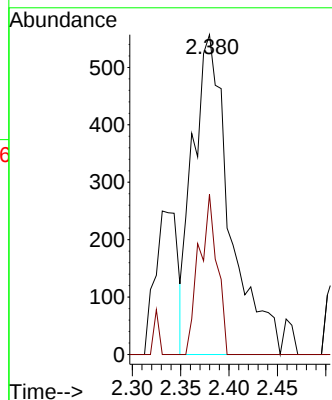
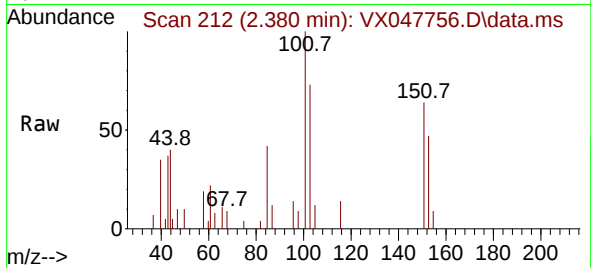




#16
Acetone
Concen: 1.710 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

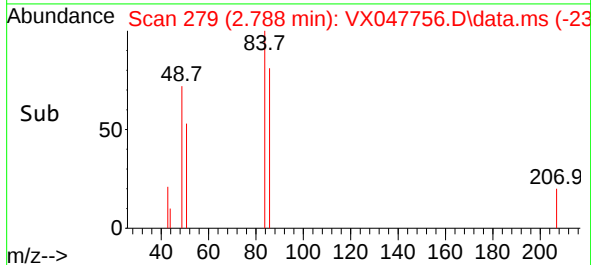
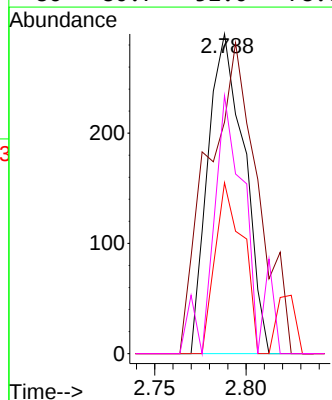
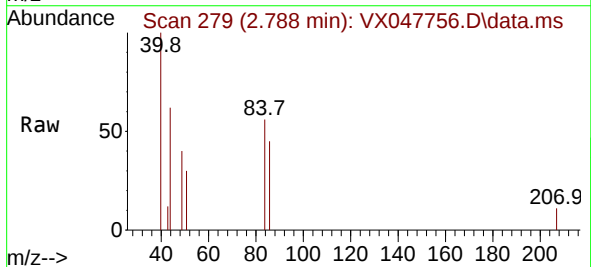
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250916

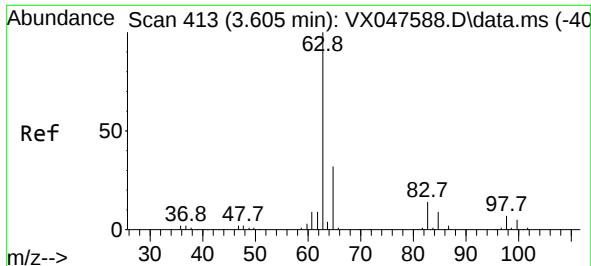
Tgt Ion: 43 Resp: 1483
Ion Ratio Lower Upper
43 100
58 50.1 23.4 35.0#



#20
Methylene Chloride
Concen: 0.218 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

Tgt Ion: 84 Resp: 401
Ion Ratio Lower Upper
84 100
49 72.4 108.6 162.8#
51 53.4 32.6 48.8#
86 80.7 52.0 78.0#

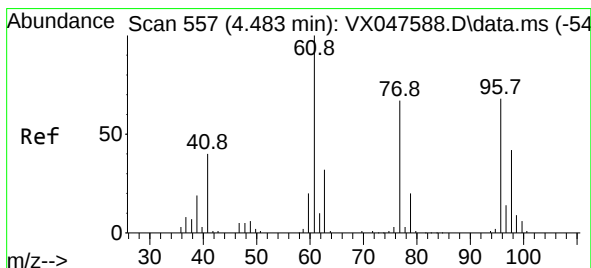
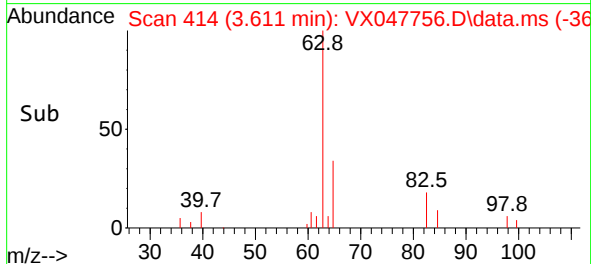
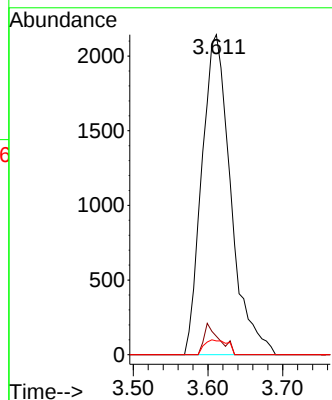
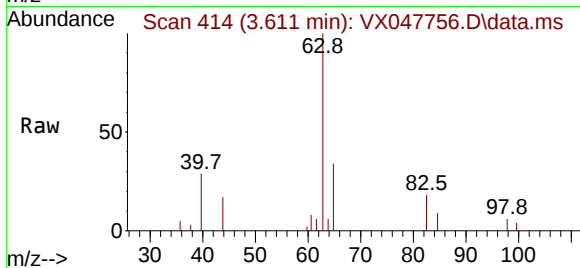




#24
 1,1-Dichloroethane
 Concen: 1.821 ug/l
 RT: 3.611 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX047756.D
 Acq: 24 Sep 2025 06:58

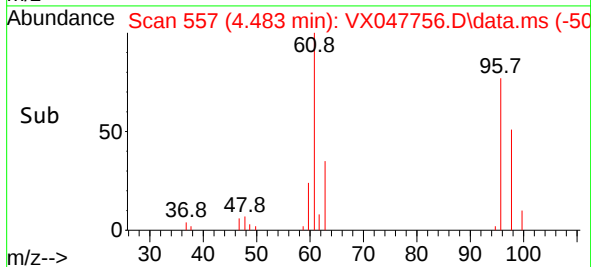
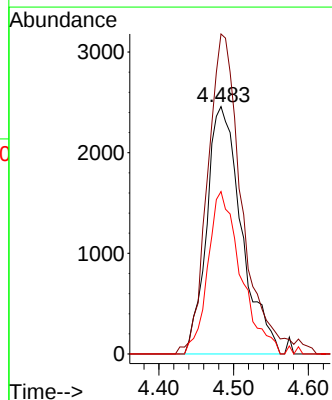
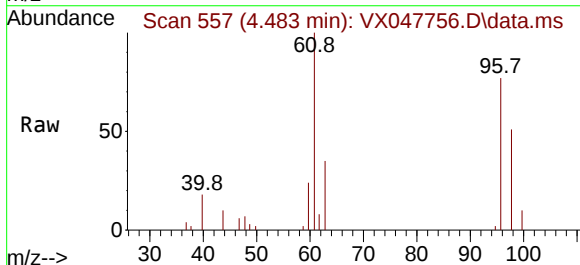
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D7-20250916

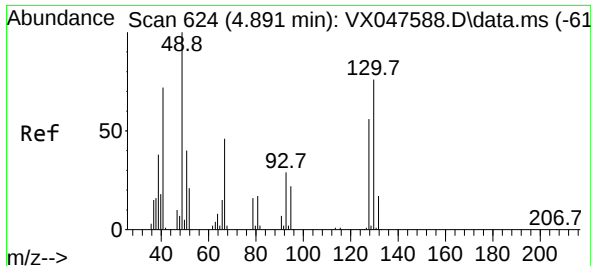
Tgt Ion: 63 Resp: 5764
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.8 11.2
 100 4.3 2.3 6.9



#27
 cis-1,2-Dichloroethene
 Concen: 4.048 ug/l
 RT: 4.483 min Scan# 557
 Delta R.T. 0.000 min
 Lab File: VX047756.D
 Acq: 24 Sep 2025 06:58

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

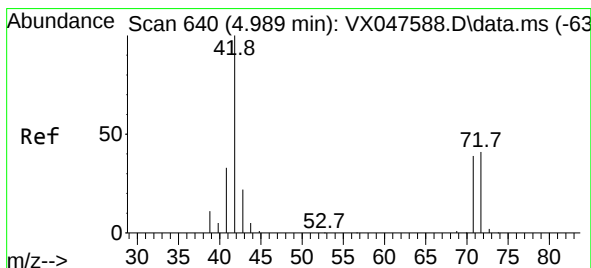
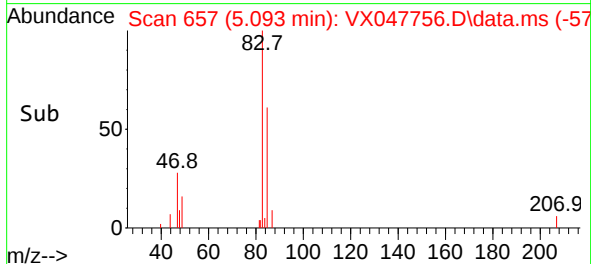
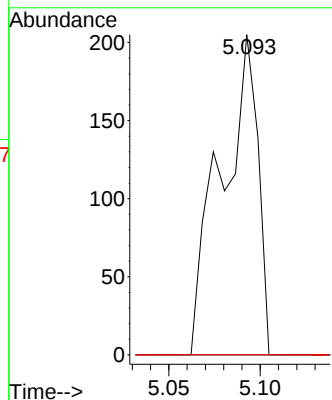
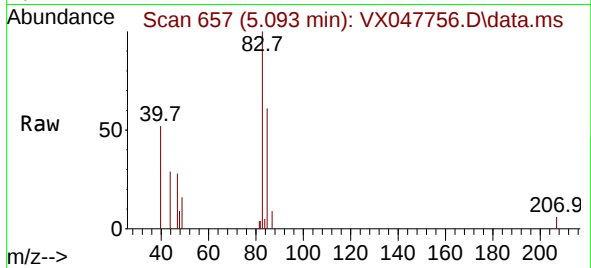




#28
Bromochloromethane
Concen: 0.206 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.201 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

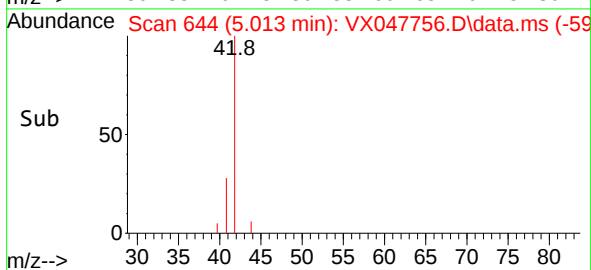
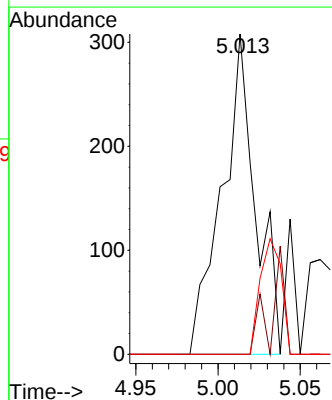
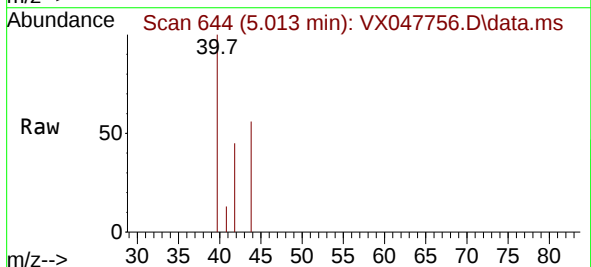
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250916

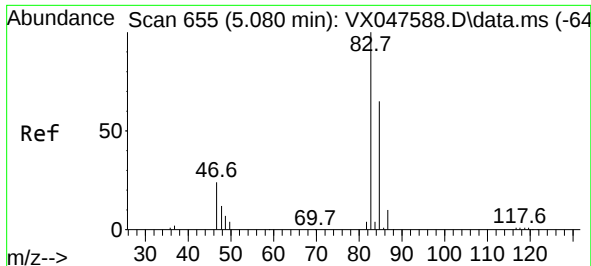
Tgt Ion: 49 Resp: 285
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.2
130 0.0 57.8 86.8#



#29
Tetrahydrofuran
Concen: 0.671 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.024 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

Tgt Ion: 42 Resp: 437
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 0.0 31.9 47.9#





#30

Chloroform

Concen: 1.411 ug/l

RT: 5.080 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX047756.D

Acq: 24 Sep 2025 06:58

Instrument :

MSVOA_X

ClientSampleId :

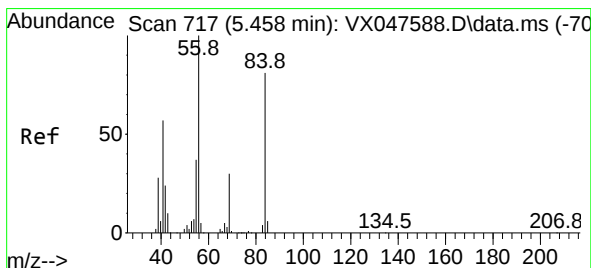
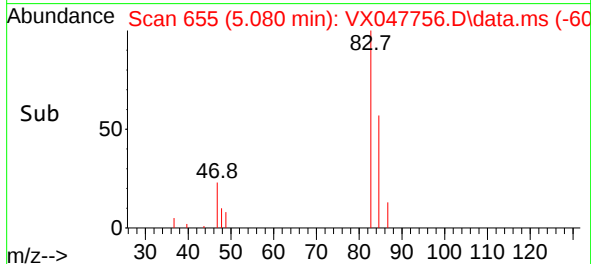
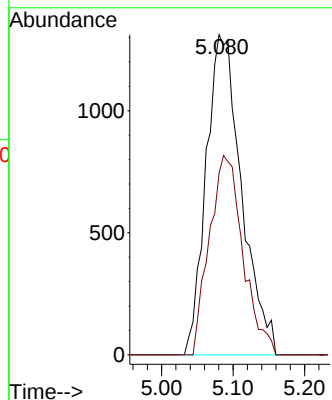
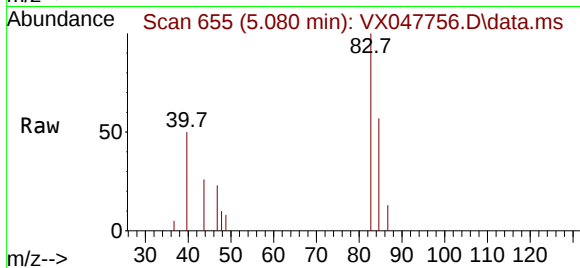
RE132D7-20250916

Tgt Ion: 83 Resp: 4512

Ion Ratio Lower Upper

83 100

85 56.8 51.8 77.6



#31

Cyclohexane

Concen: 1.116 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX047756.D

Acq: 24 Sep 2025 06:58

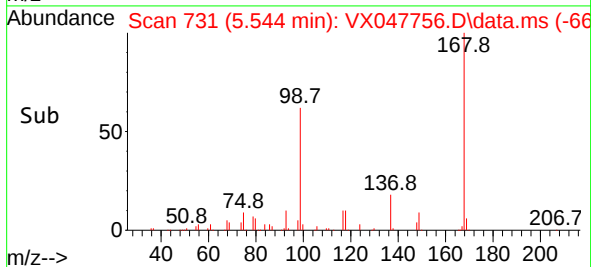
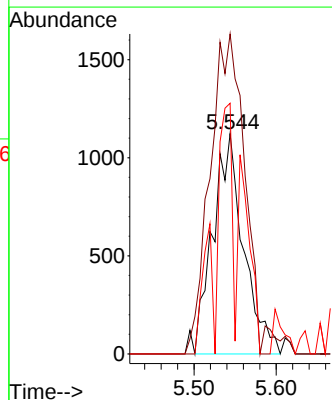
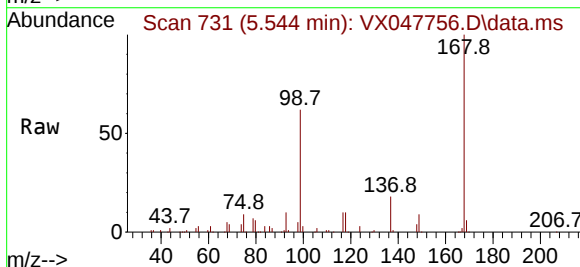
Tgt Ion: 56 Resp: 2941

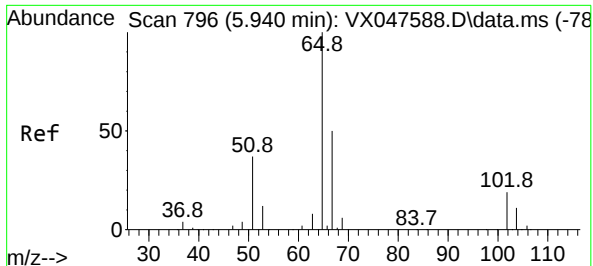
Ion Ratio Lower Upper

56 100

69 145.1 23.8 35.8#

84 113.7 64.6 97.0#





#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 :

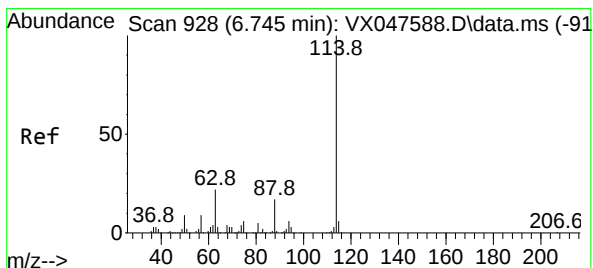
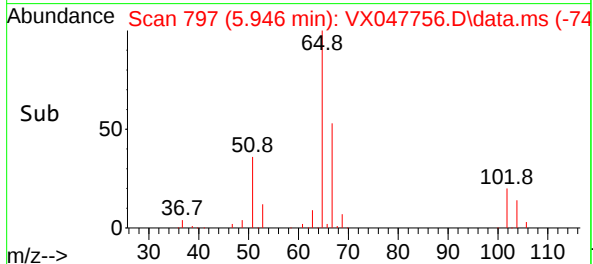
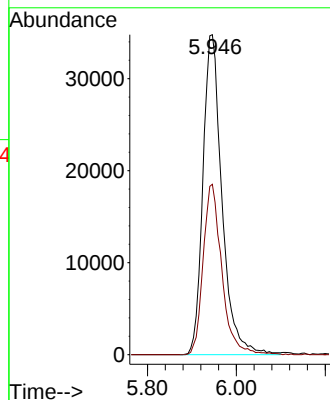
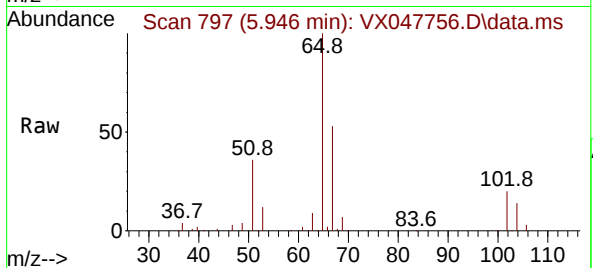
RE132D7-20250916

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

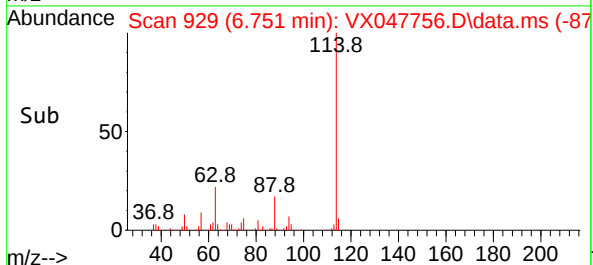
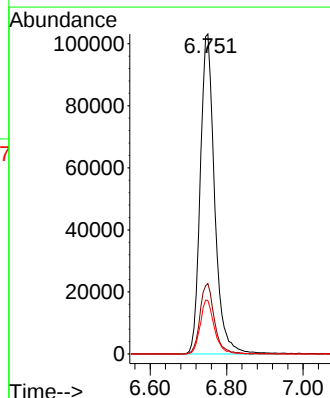
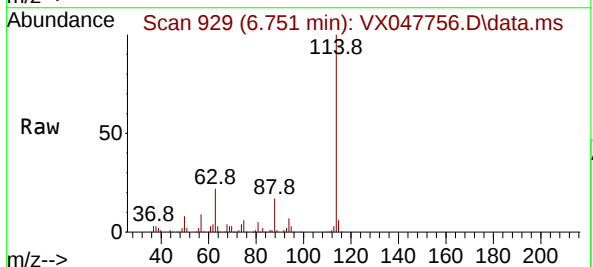
Tgt Ion: 114 Resp: 268455

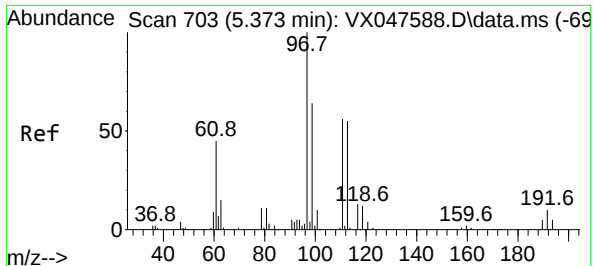
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 16.7 0.0 34.2

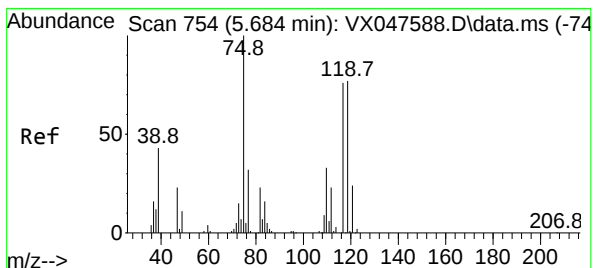
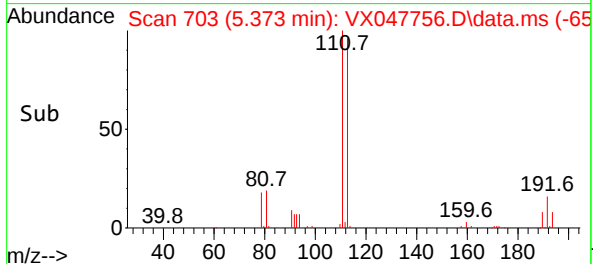
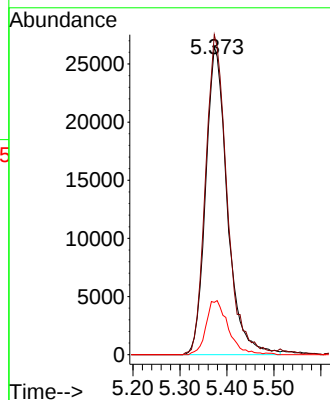
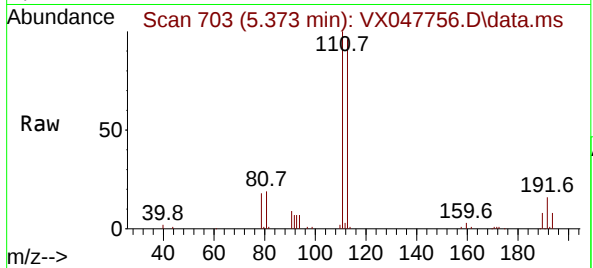




#35
Dibromofluoromethane
Concen: 46.979 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

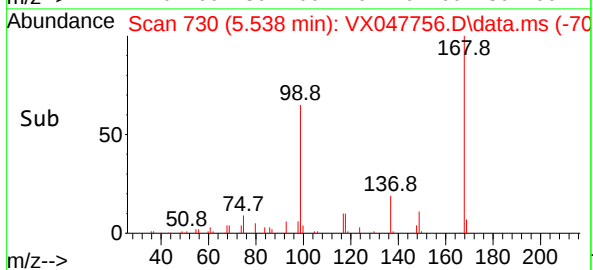
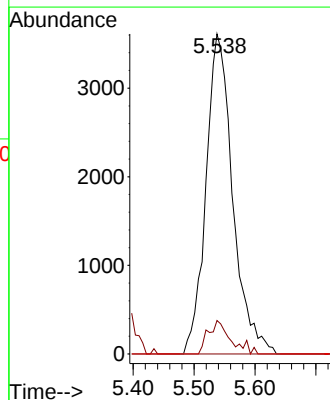
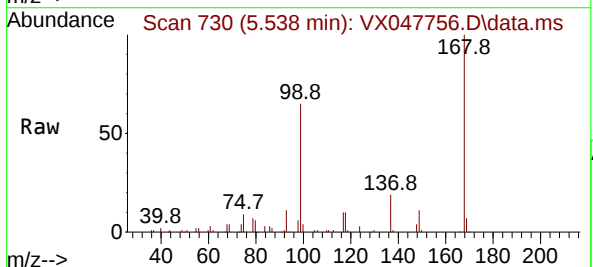
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250916

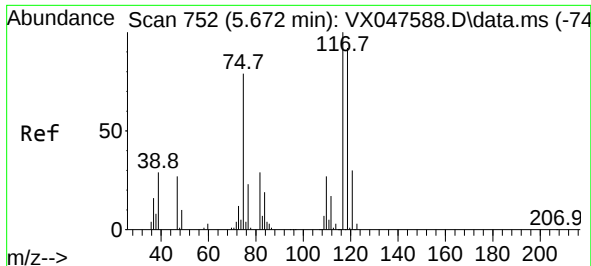
Tgt Ion:113 Resp: 84581
Ion Ratio Lower Upper
113 100
111 103.4 80.9 121.3
192 18.0 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.191 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

Tgt Ion: 75 Resp: 11026
Ion Ratio Lower Upper
75 100
110 8.7 16.7 50.1#
77 0.0 24.3 36.5#

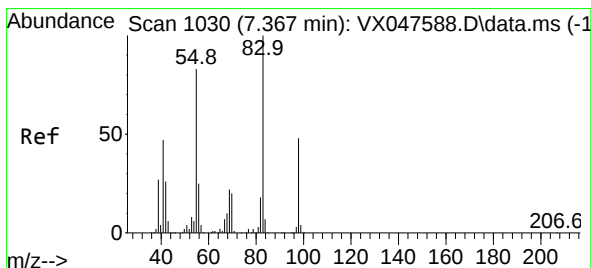
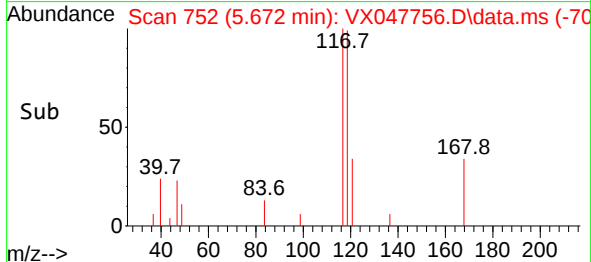
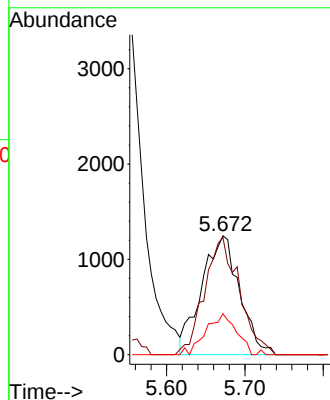
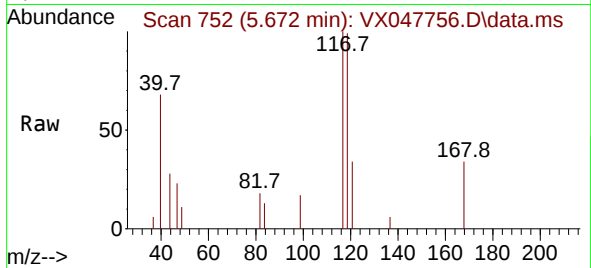




#38
Carbon Tetrachloride
Concen: 1.468 ug/l
RT: 5.672 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

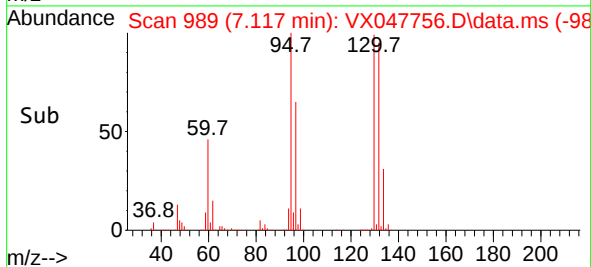
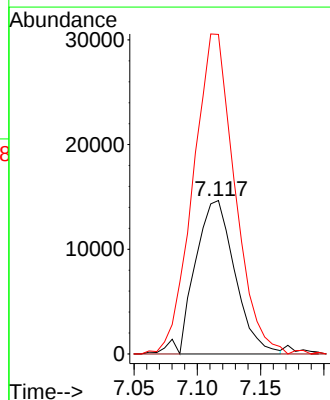
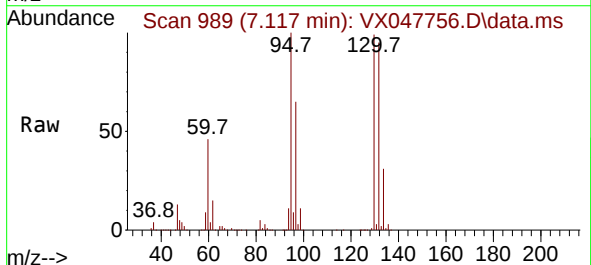
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250916

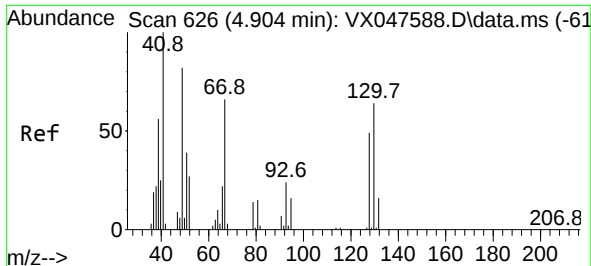
Tgt Ion:117 Resp: 4197
Ion Ratio Lower Upper
117 100
119 98.6 73.4 110.2
121 34.4 23.8 35.6



#39
Methylcyclohexane
Concen: 10.491 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.250 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

Tgt Ion: 83 Resp: 31331
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 308.7 38.1 57.1#

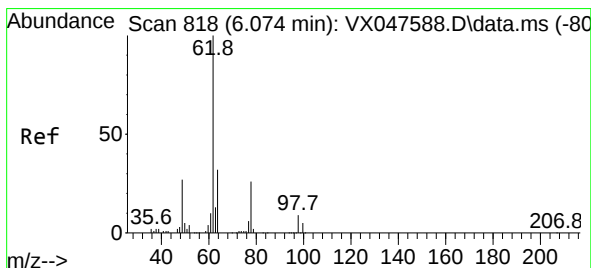
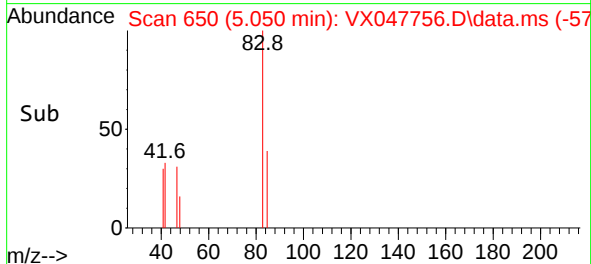
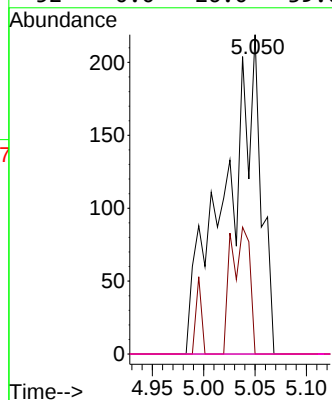
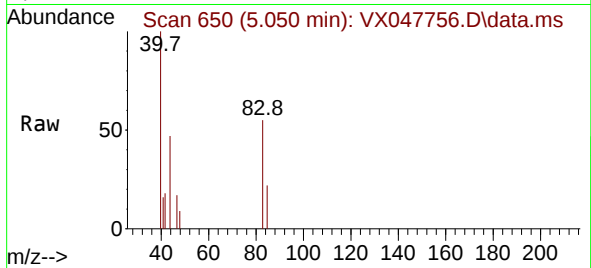




#41
Methacrylonitrile
Concen: 0.363 ug/l
RT: 5.050 min Scan# 61
Delta R.T. 0.146 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

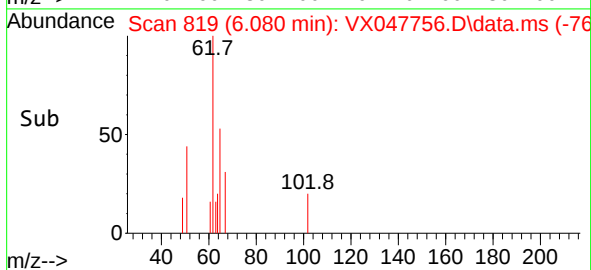
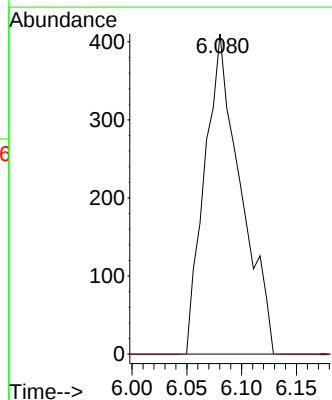
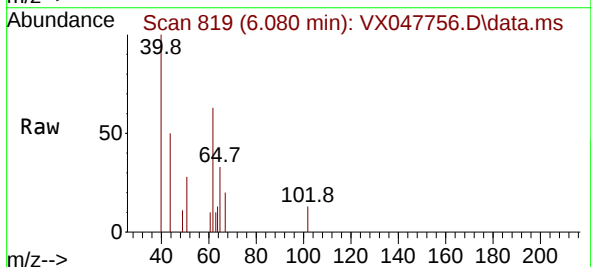
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250916

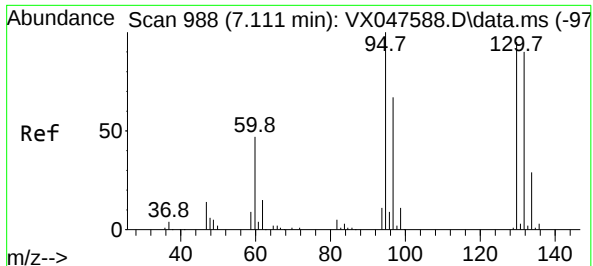
Tgt Ion:	41	Resp:	528
Ion	Ratio	Lower	Upper
41	100		
39	20.6	43.3	64.9#
67	0.0	58.6	87.8#
52	0.0	26.0	39.0#



#42
1,2-Dichloroethane
Concen: 0.307 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

Tgt Ion:	62	Resp:	934
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.0

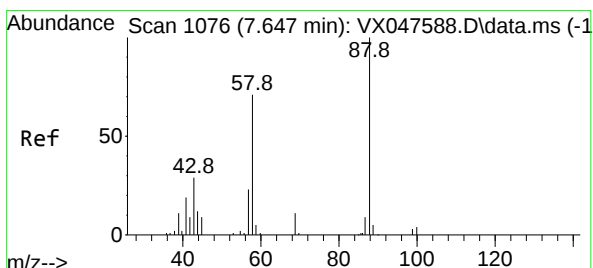
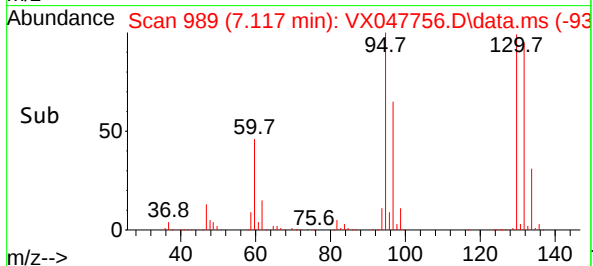
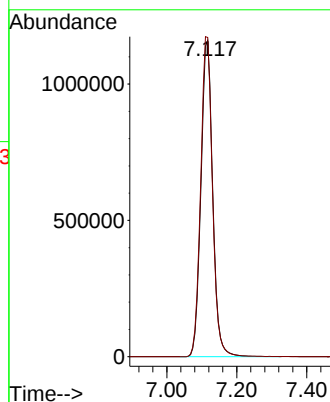
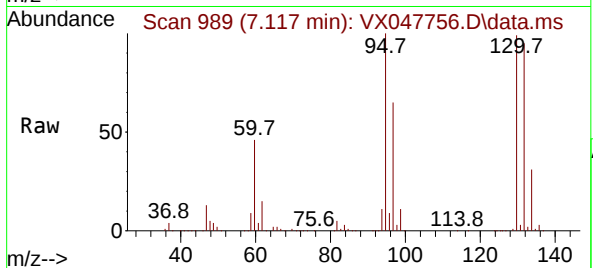




#44
Trichloroethene
Concen: 1403.640 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

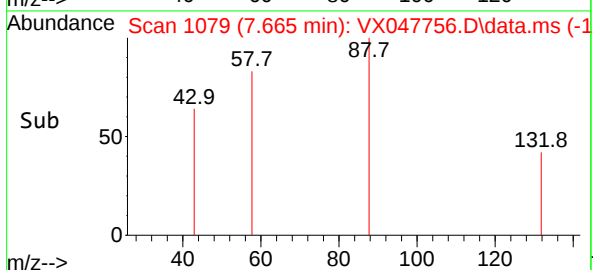
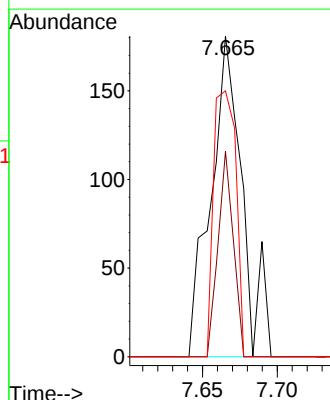
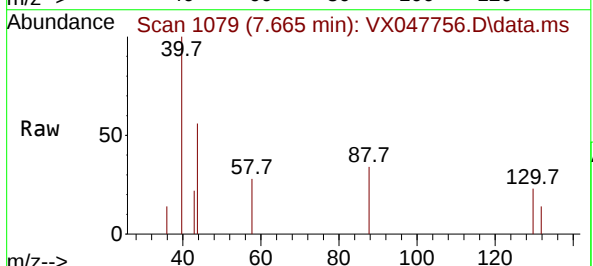
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250916

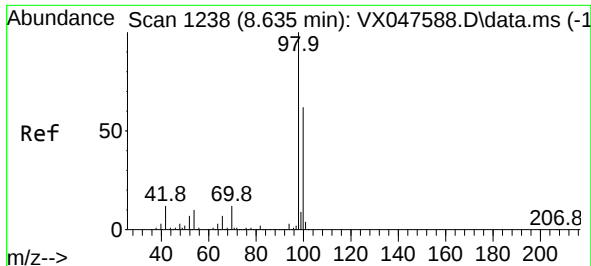
Tgt Ion:130 Resp: 2711555
Ion Ratio Lower Upper
130 100
95 101.0 0.0 210.8



#49
1,4-Dioxane
Concen: 11.395 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.018 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

Tgt Ion: 88 Resp: 265
Ion Ratio Lower Upper
88 100
43 31.3 30.2 45.2
58 58.5 59.5 89.3#

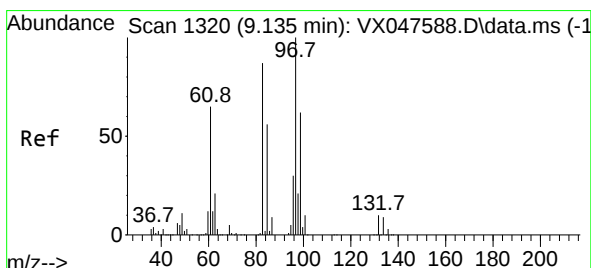
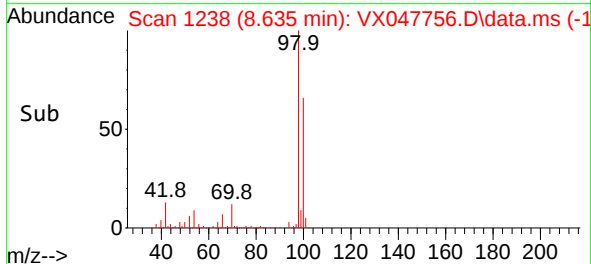
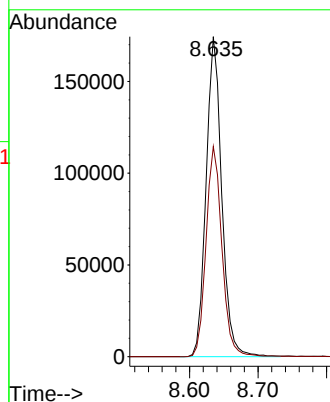
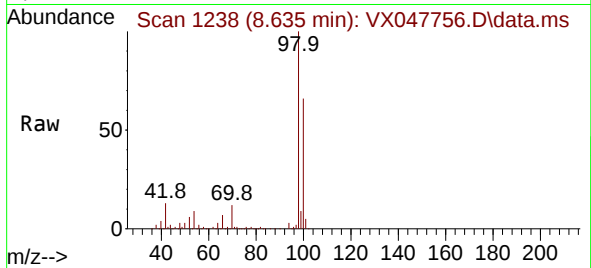




#50
Toluene-d8
Concen: 44.518 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

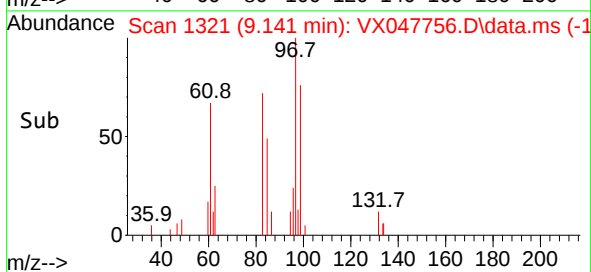
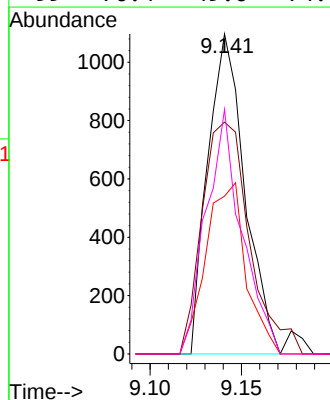
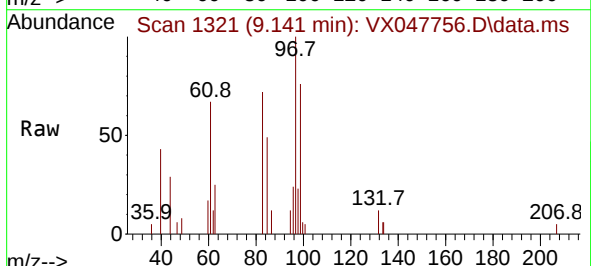
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250916

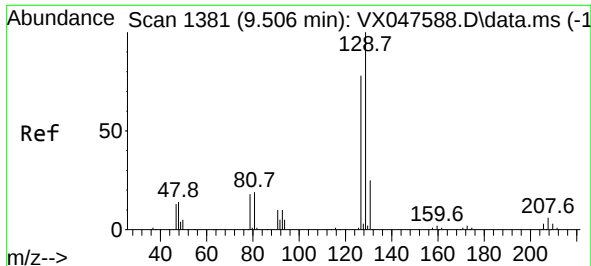
Tgt Ion: 98 Resp: 277338
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.4



#55
1,1,2-Trichloroethane
Concen: 0.817 ug/l
RT: 9.141 min Scan# 1321
Delta R.T. 0.006 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

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#

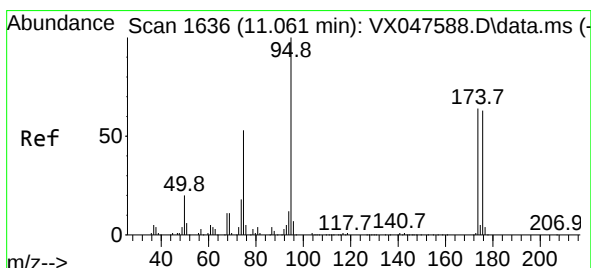
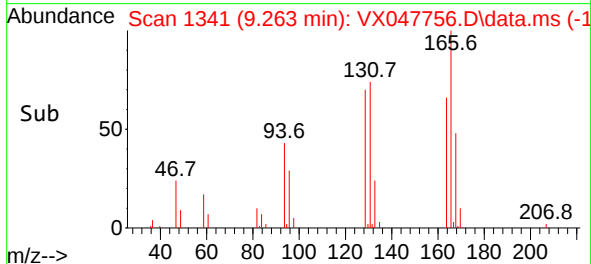
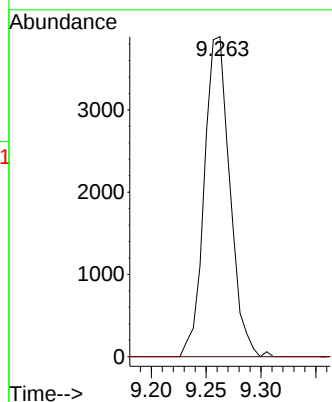
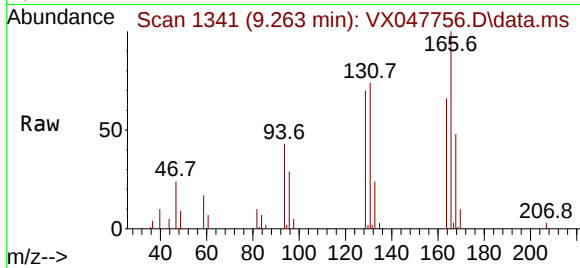




#60
Dibromochloromethane
Concen: 2.885 ug/l
RT: 9.263 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX047756.D
Acq: 24 Sep 2025 06:58

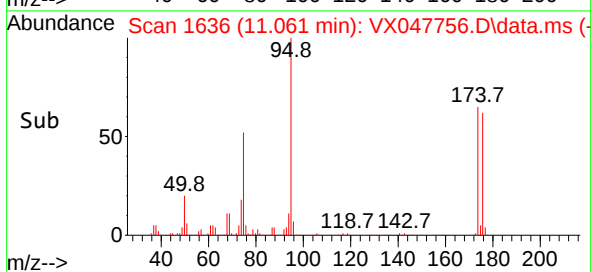
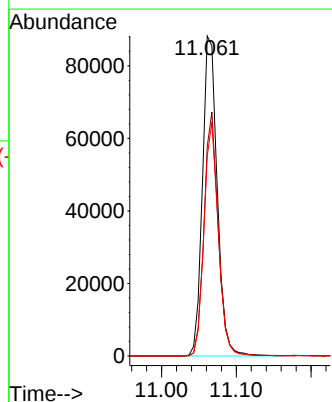
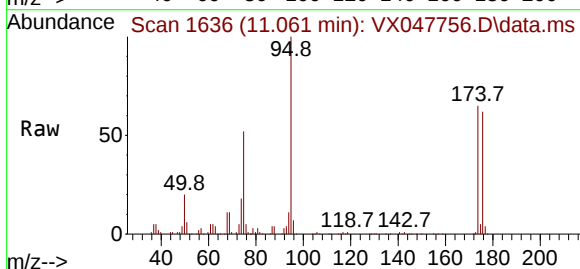
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250916

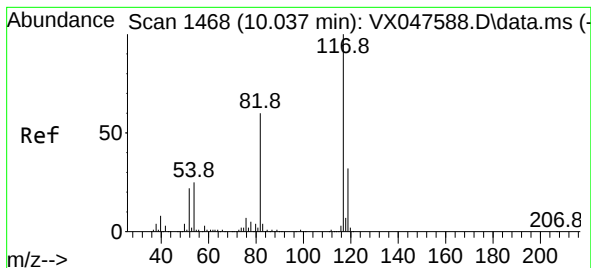
Tgt Ion:129 Resp: 6310
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#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

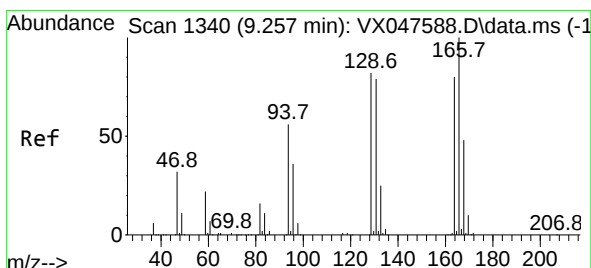
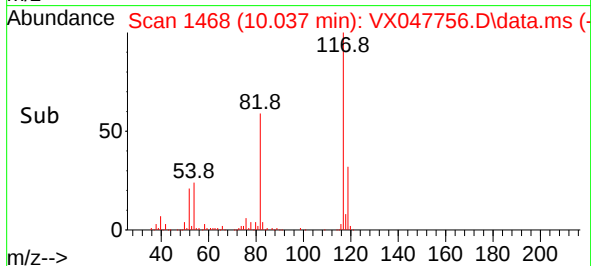
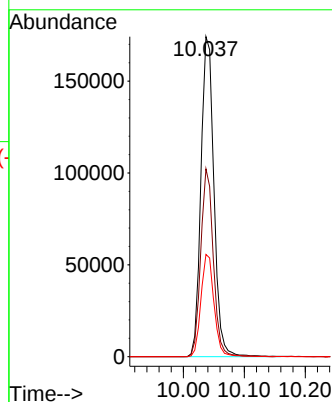
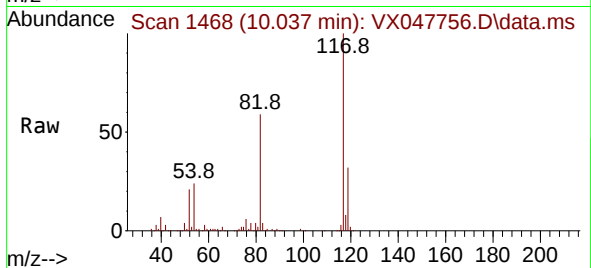
Tgt Ion:117 Resp: 258041

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

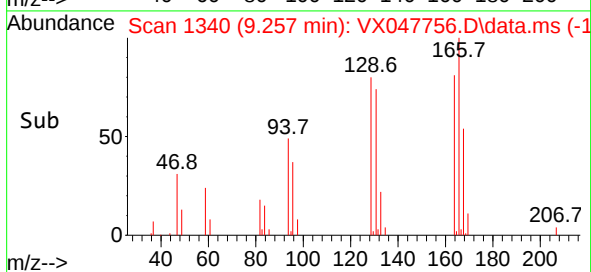
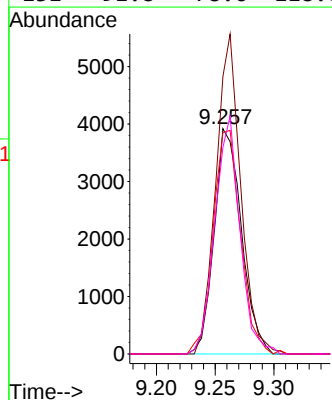
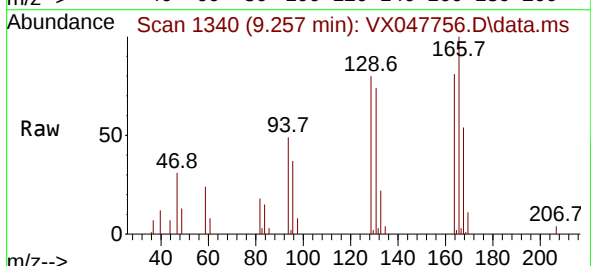
Ion Ratio Lower Upper

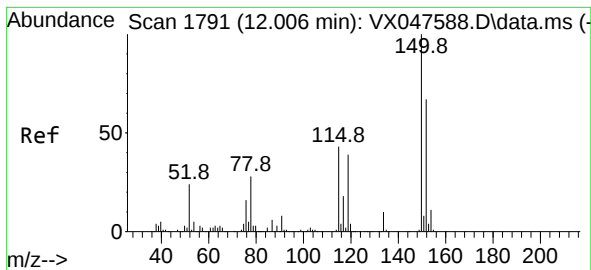
164 100

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# 1

Delta R.T. -0.000 min

Lab File: VX047756.D

Acq: 24 Sep 2025 06:58

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20250916

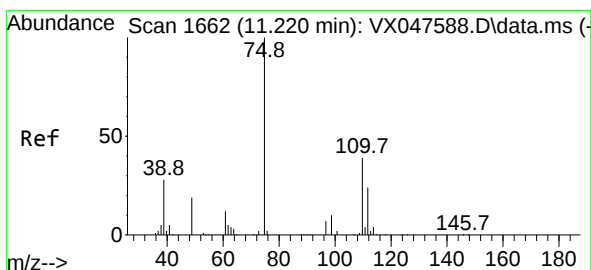
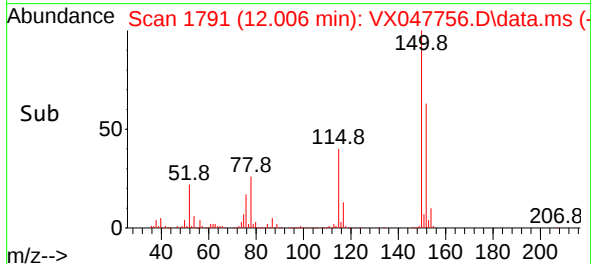
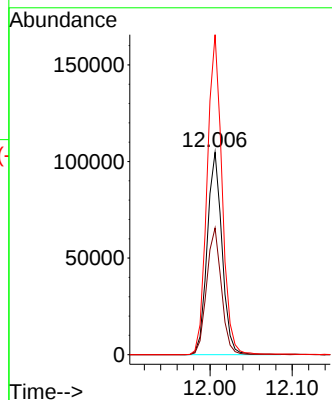
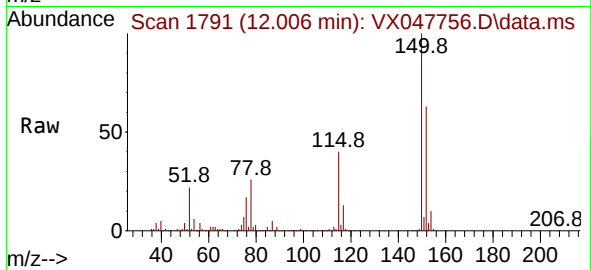
Tgt Ion:152 Resp: 131134

Ion Ratio Lower Upper

152 100

115 62.3 44.9 134.5

150 158.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 23.419 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047756.D

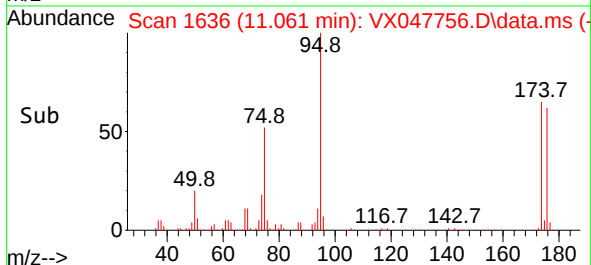
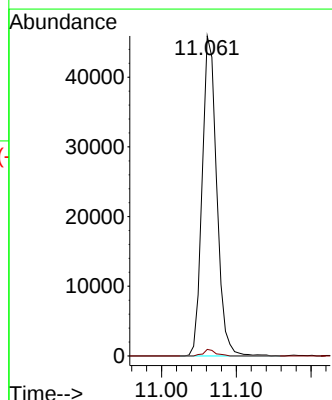
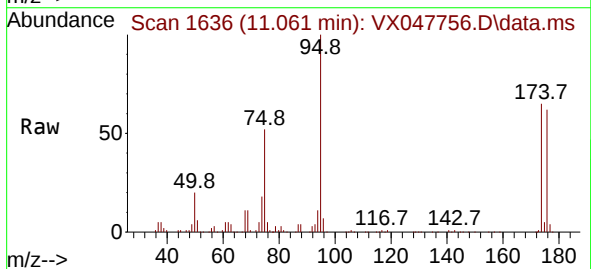
Acq: 24 Sep 2025 06:58

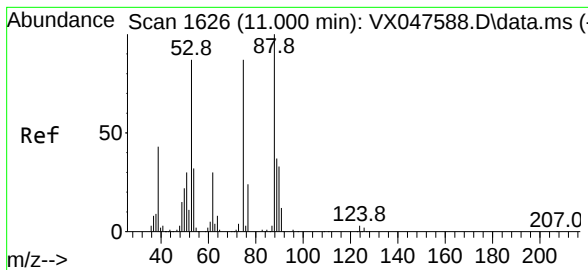
Tgt Ion: 75 Resp: 62180

Ion Ratio Lower Upper

75 100

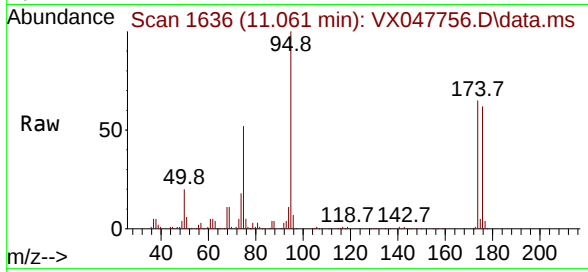
77 1.7 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.723 ug/l
 RT: 11.061 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX047756.D
 Acq: 24 Sep 2025 06:58

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D7-20250916



Tgt Ion: 75 Resp: 62180
 Ion Ratio Lower Upper
 75 100
 53 0.1 83.4 125.2#
 89 0.0 36.3 54.5#

