

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047753.D
 Acq On : 24 Sep 2025 05:55
 Operator : JC/MD
 Sample : Q3127-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20250916

Quant Time: Sep 24 07:10:22 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)

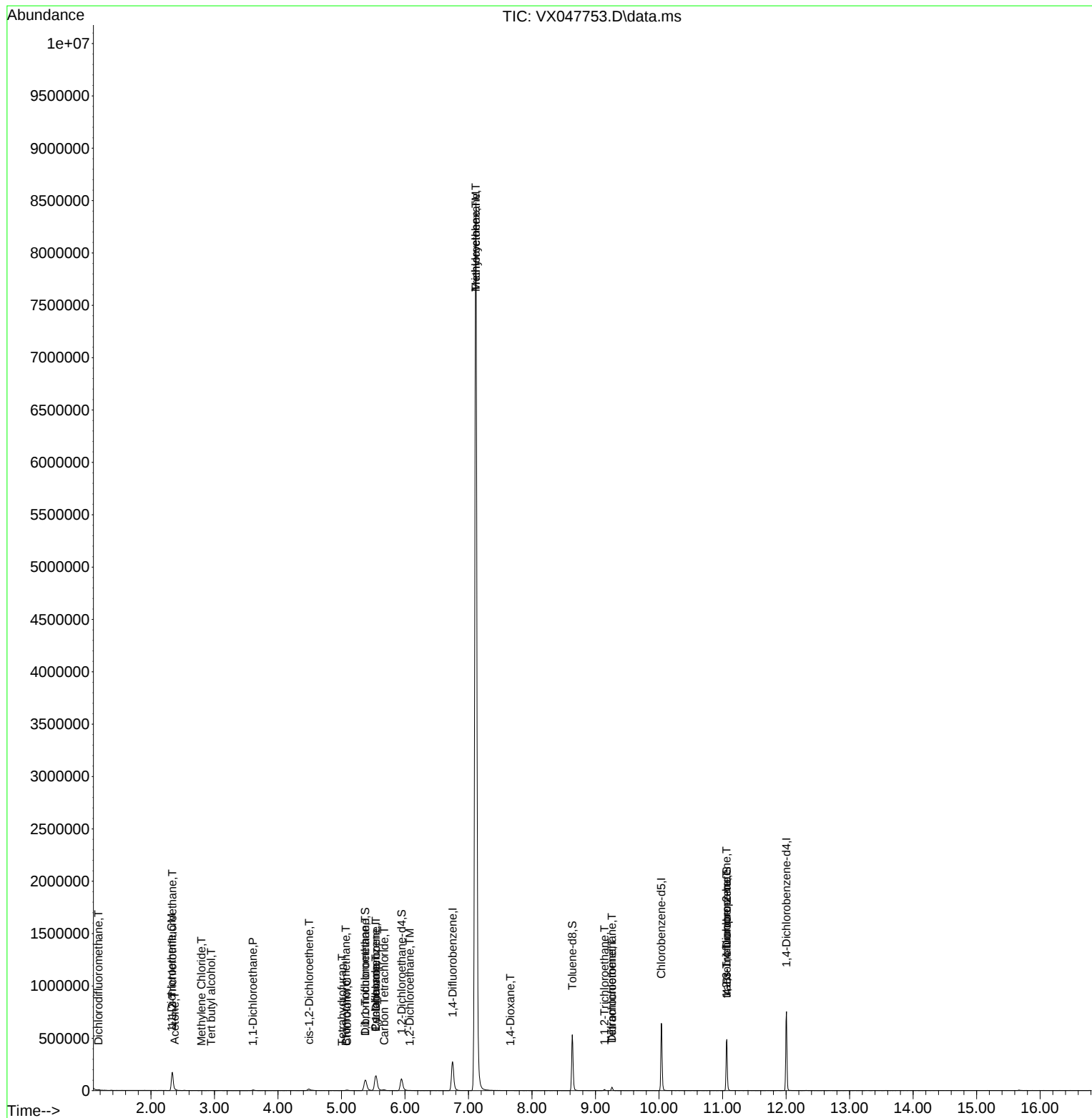
Internal Standards						
1) Pentafluorobenzene	5.537	168	147647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	305020	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	291964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	154008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	120242	51.163	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.320%	
35) Dibromofluoromethane	5.373	113	99092	48.441	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.880%	
50) Toluene-d8	8.634	98	317405	44.842	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 89.680%#	
62) 4-Bromofluorobenzene	11.067	95	139890	52.075	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.140%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	1170	0.765	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	65810	38.536	ug/l	99
11) Tert butyl alcohol	2.946	59	112	0.428	ug/l #	72
12) 1,1-Dichloroethene	2.324	96	19473	11.101	ug/l	97
16) Acetone	2.373	43	1622	1.587	ug/l #	61
20) Methylene Chloride	2.794	84	535	0.247	ug/l #	73
24) 1,1-Dichloroethane	3.605	63	7865	2.109	ug/l #	96
27) cis-1,2-Dichloroethene	4.489	96	10394	4.494	ug/l	90
28) Bromochloromethane	5.068	49	362	0.222	ug/l #	15
29) Tetrahydrofuran	5.007	42	294	0.383	ug/l #	46
30) Chloroform	5.086	83	6223	1.652	ug/l	99
31) Cyclohexane	5.537	56	2994	0.964	ug/l #	1
32) 1,1,1-Trichloroethane	5.373	97	1571	0.492	ug/l #	52
36) 1,1-Dichloropropene	5.543	75	12242	4.095	ug/l #	51
38) Carbon Tetrachloride	5.671	117	6660	2.051	ug/l	97
39) Methylcyclohexane	7.116	83	38876	11.457	ug/l #	1
42) 1,2-Dichloroethane	6.074	62	1331	0.385	ug/l	81
44) Trichloroethene	7.116	130	3524733	1605.857	ug/l	94
49) 1,4-Dioxane	7.659	88	579	21.912	ug/l #	68
55) 1,1,2-Trichloroethane	9.140	97	3082	1.429	ug/l	96
60) Dibromochloromethane	9.256	129	6098	2.454	ug/l #	11
64) Tetrachloroethene	9.256	164	6273	3.296	ug/l	93
76) 1,2,3-Trichloropropane	11.061	75	72321	23.193	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	72321	59.146	ug/l #	8

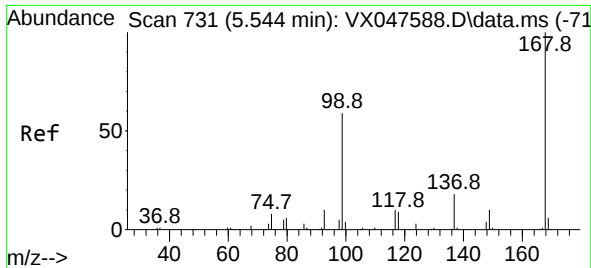
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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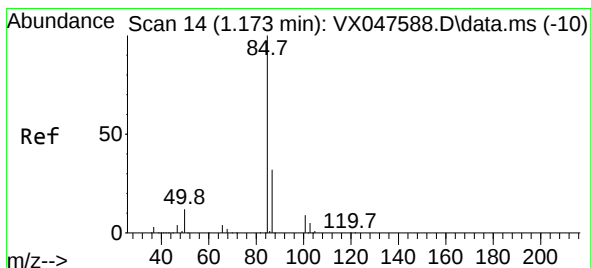
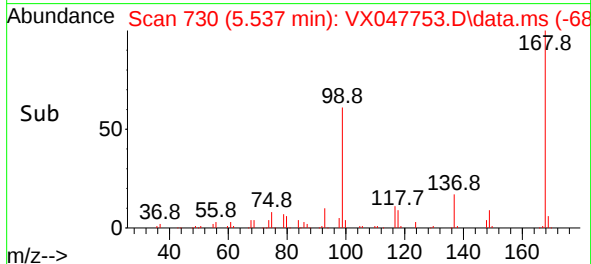
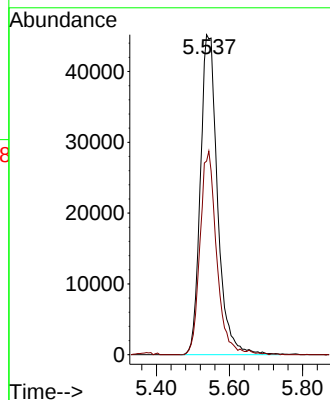
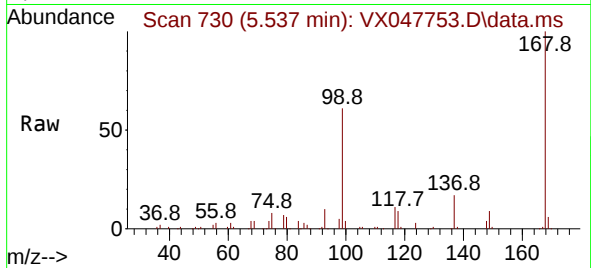




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

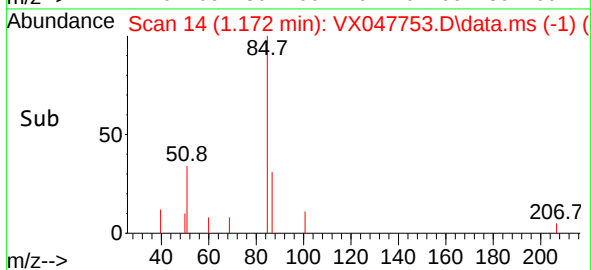
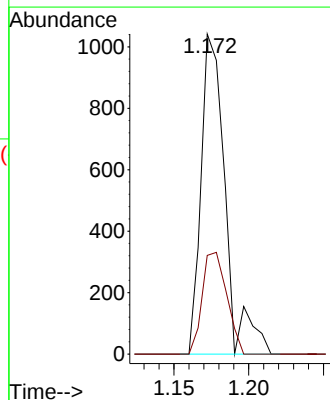
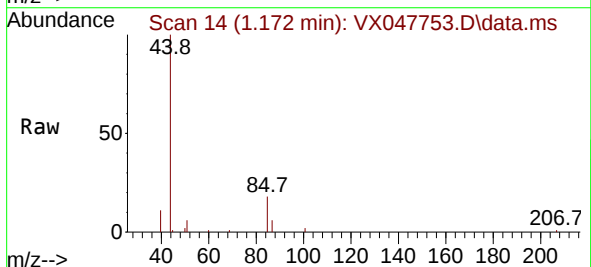
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250916

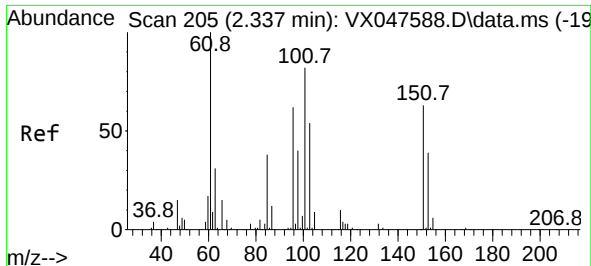
Tgt Ion:168 Resp: 147647
Ion Ratio Lower Upper
168 100
99 60.5 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.765 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

Tgt Ion: 85 Resp: 1170
Ion Ratio Lower Upper
85 100
87 30.8 15.8 47.3

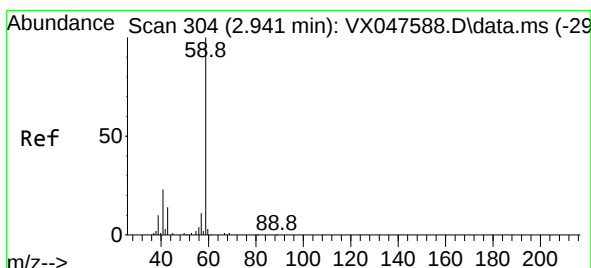
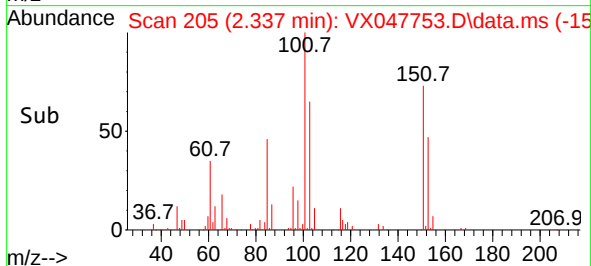
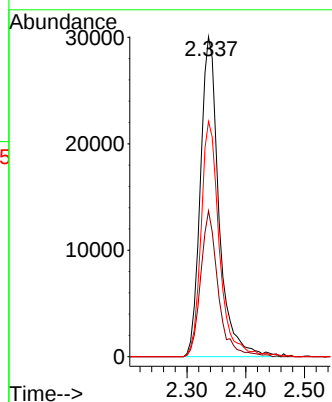
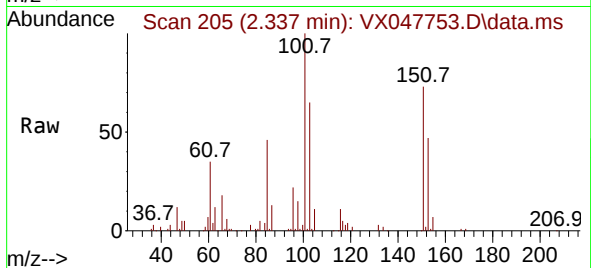




#9
1,1,2-Trichlorotrifluoroethane
Concen: 38.536 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

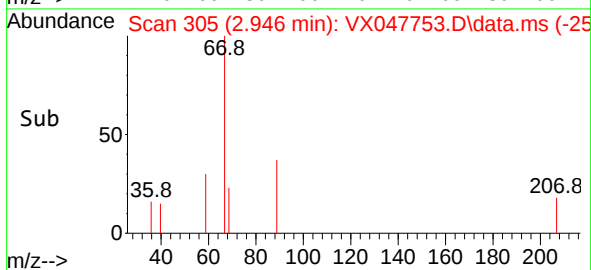
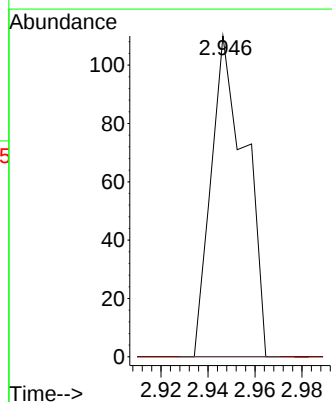
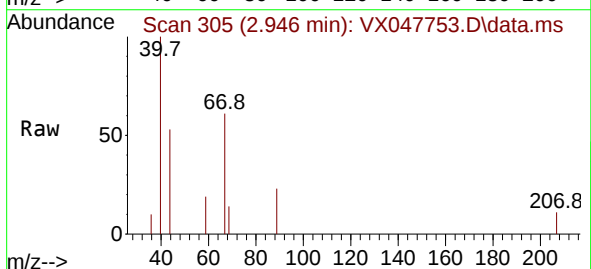
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250916

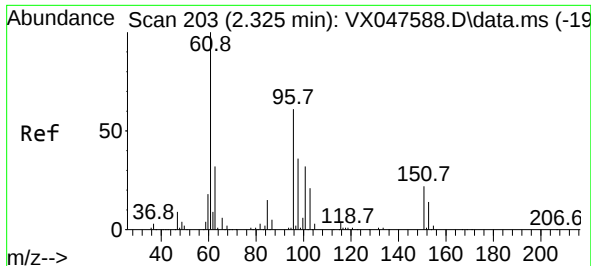
Tgt Ion:101 Resp: 65810
Ion Ratio Lower Upper
101 100
85 43.2 35.5 53.3
151 73.1 59.4 89.0



#11
Tert butyl alcohol
Concen: 0.428 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

Tgt Ion: 59 Resp: 112
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 11.101 ug/l

RT: 2.324 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047753.D

Acq: 24 Sep 2025 05:55

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20250916

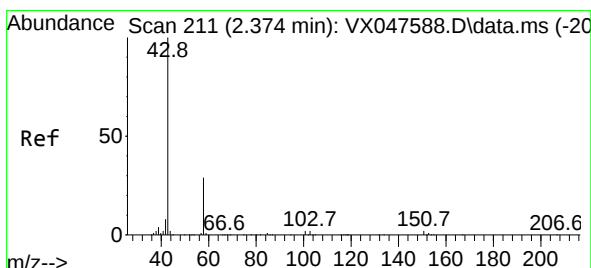
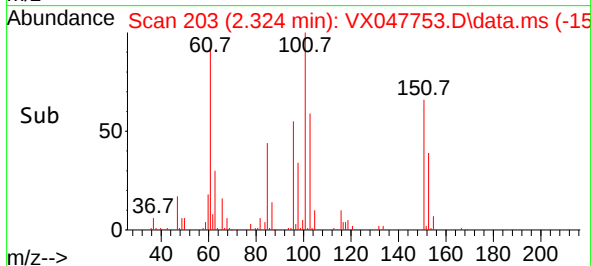
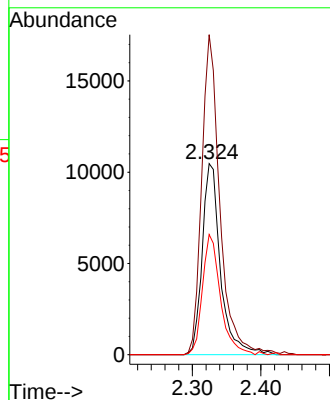
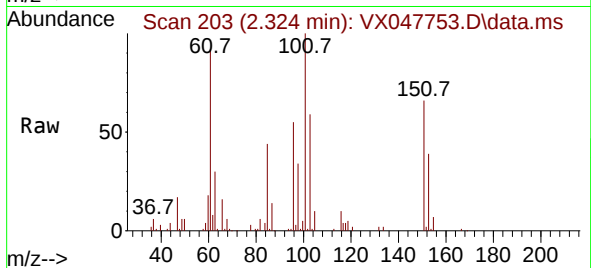
Tgt Ion: 96 Resp: 19473

Ion Ratio Lower Upper

96 100

61 167.6 131.0 196.6

98 62.9 47.7 71.5



#16

Acetone

Concen: 1.587 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX047753.D

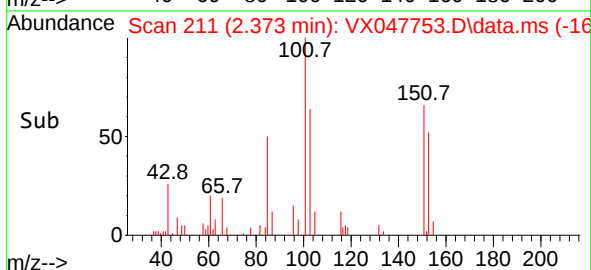
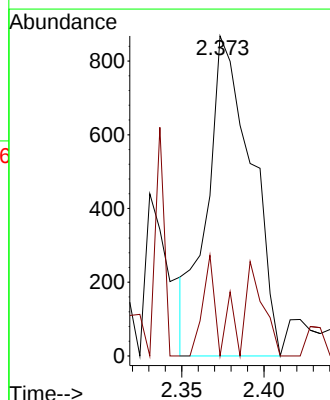
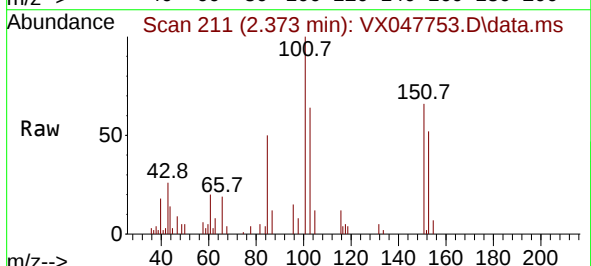
Acq: 24 Sep 2025 05:55

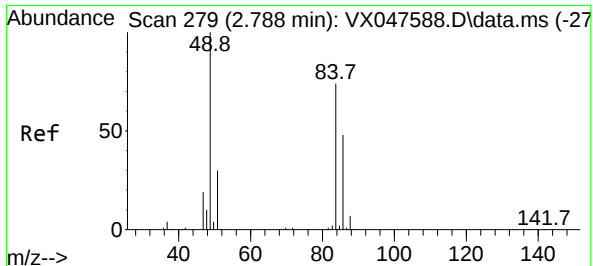
Tgt Ion: 43 Resp: 1622

Ion Ratio Lower Upper

43 100

58 8.1 23.4 35.0#

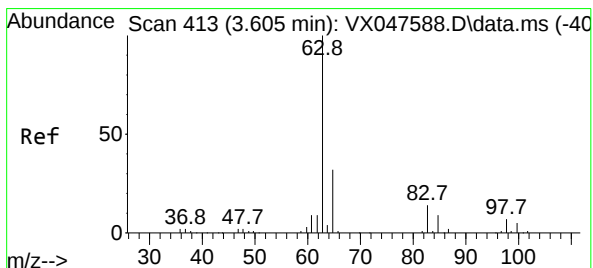
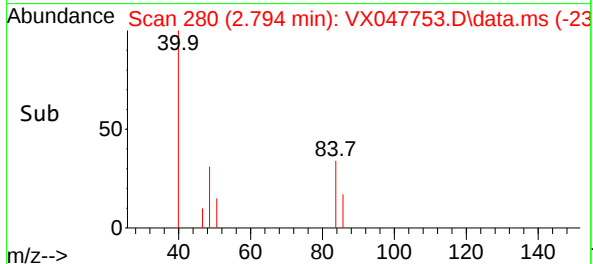
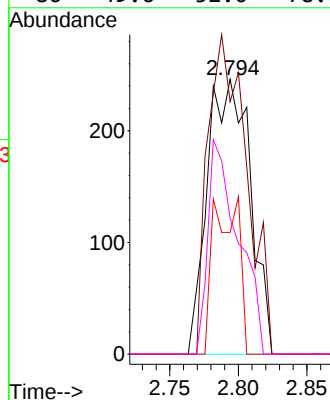
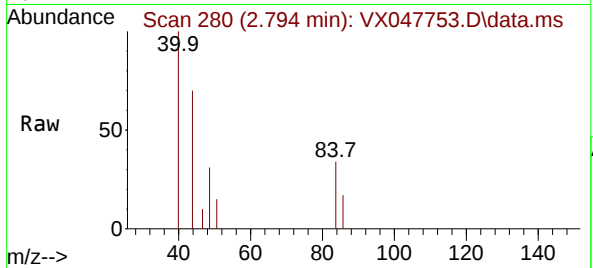




#20
Methylene Chloride
Concen: 0.247 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

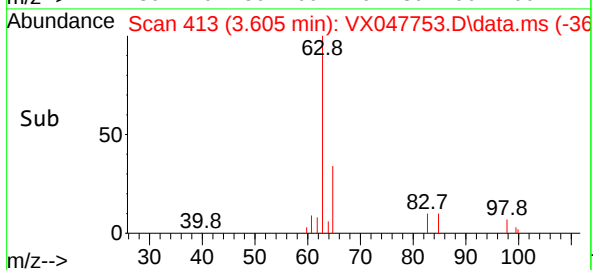
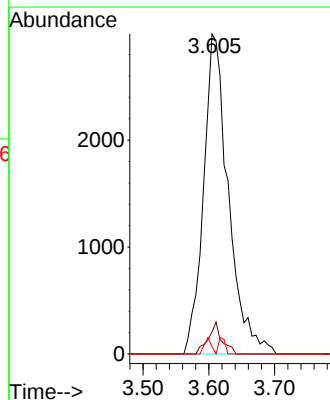
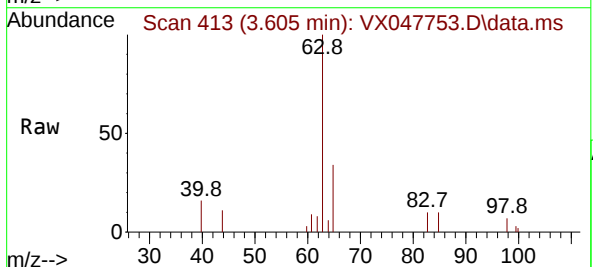
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250916

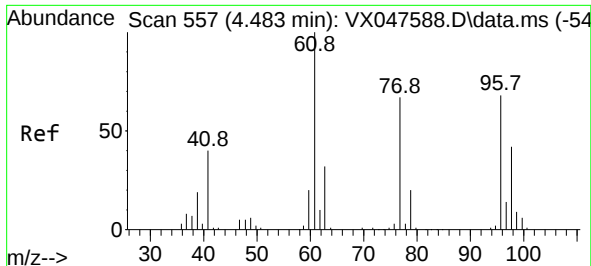
Tgt Ion:	84	Resp:	535
Ion	Ratio	Lower	Upper
84	100		
49	91.9	108.6	162.8#
51	44.3	32.6	48.8
86	49.6	52.0	78.0#



#24
1,1-Dichloroethane
Concen: 2.109 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

Tgt Ion:	63	Resp:	7865
Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	2.2	2.3	6.9#





#27

cis-1,2-Dichloroethene

Concen: 4.494 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX047753.D

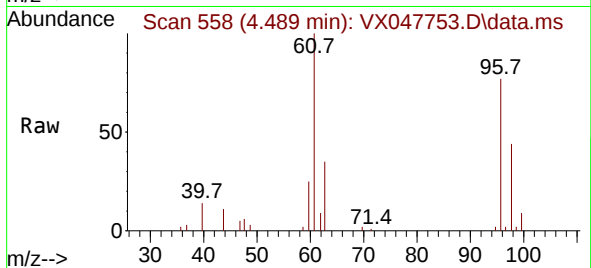
Acq: 24 Sep 2025 05:55

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20250916



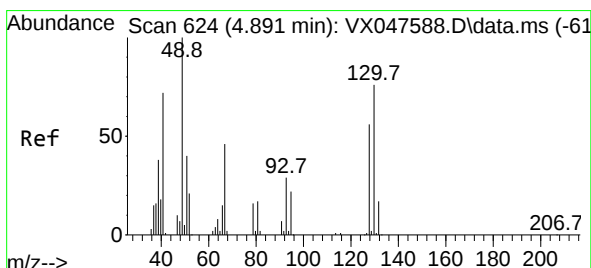
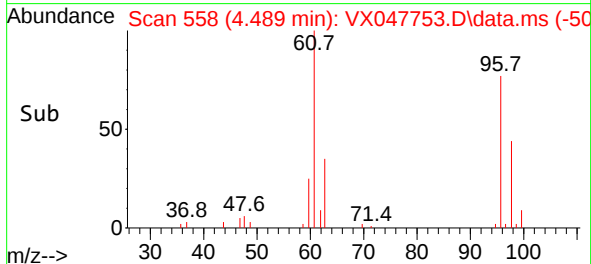
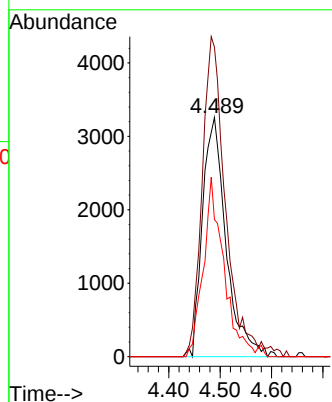
Tgt Ion: 96 Resp: 10394

Ion Ratio Lower Upper

96 100

61 133.1 0.0 303.2

98 64.7 0.0 127.8



#28

Bromochloromethane

Concen: 0.222 ug/l

RT: 5.068 min Scan# 653

Delta R.T. 0.176 min

Lab File: VX047753.D

Acq: 24 Sep 2025 05:55

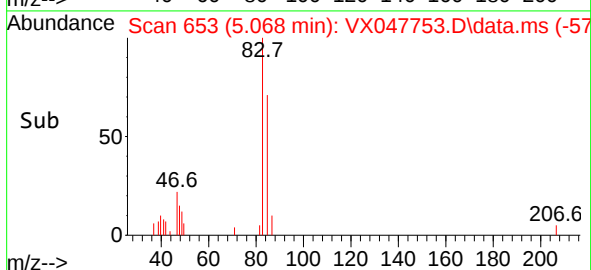
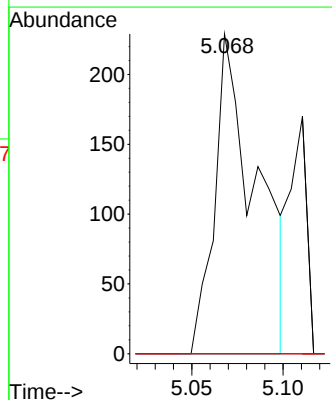
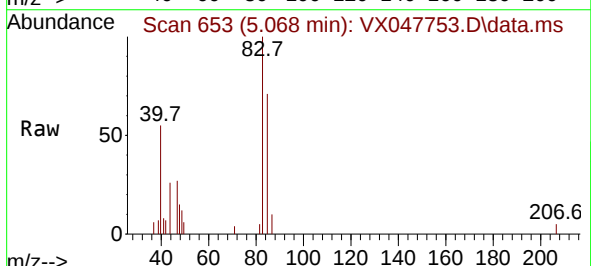
Tgt Ion: 49 Resp: 362

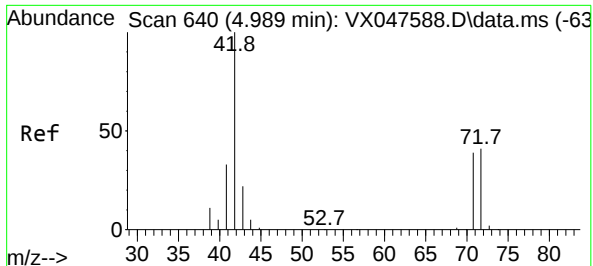
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.2

130 0.0 57.8 86.8#





#29

Tetrahydrofuran

Concen: 0.383 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX047753.D

Acq: 24 Sep 2025 05:55

Instrument :

MSVOA_X

ClientSampleId :

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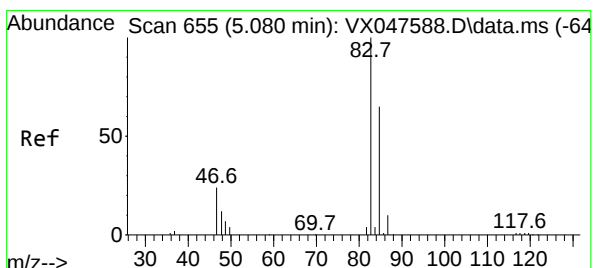
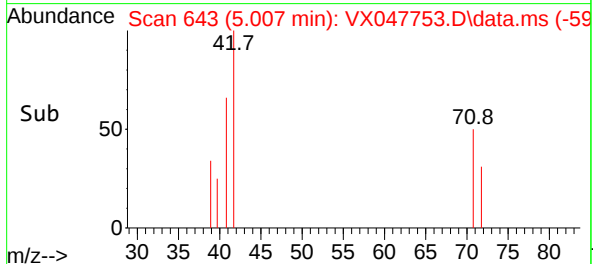
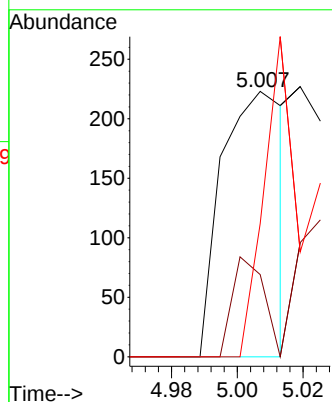
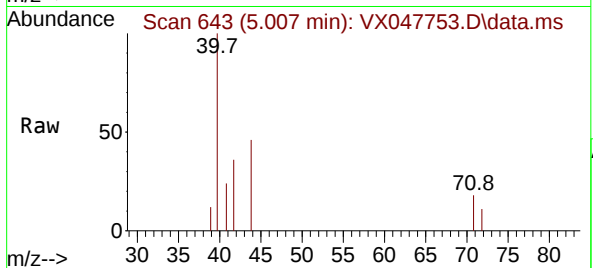
Tgt Ion: 42 Resp: 294

Ion Ratio Lower Upper

42 100

72 19.0 34.2 51.2#

71 84.0 31.9 47.9#



#30

Chloroform

Concen: 1.652 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX047753.D

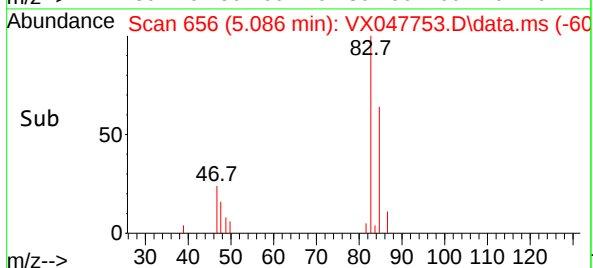
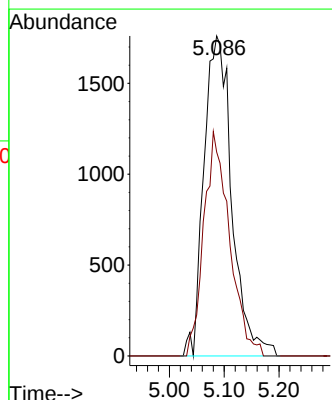
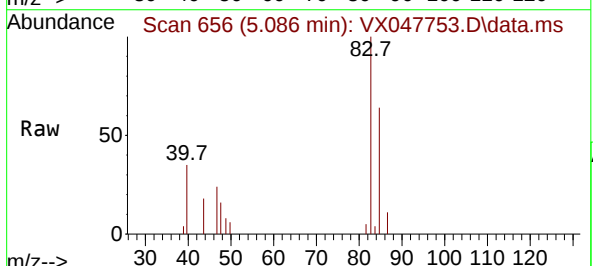
Acq: 24 Sep 2025 05:55

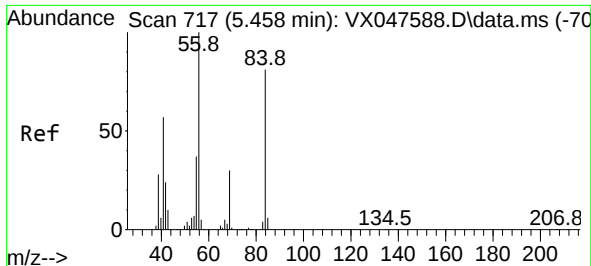
Tgt Ion: 83 Resp: 6223

Ion Ratio Lower Upper

83 100

85 63.7 51.8 77.6

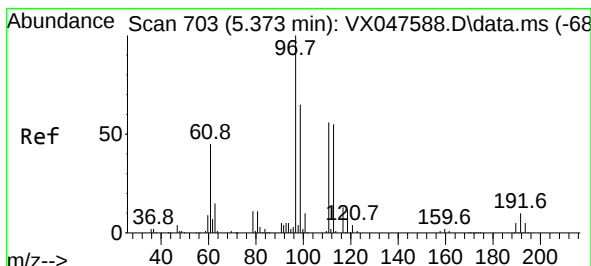
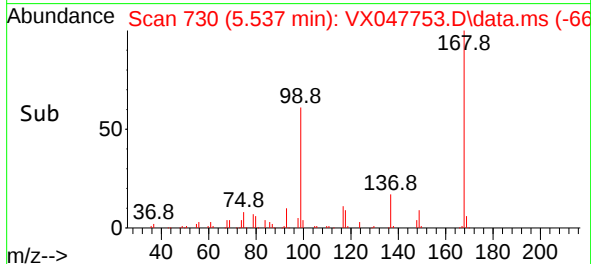
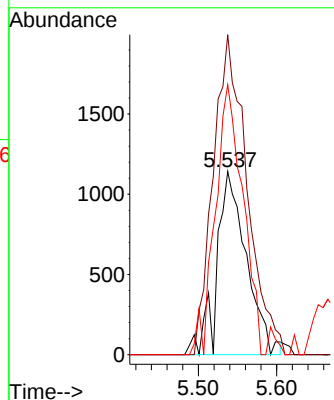
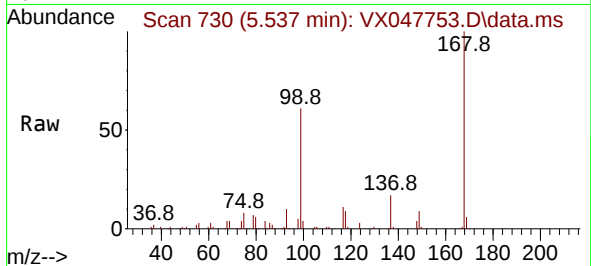




#31
Cyclohexane
Concen: 0.964 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

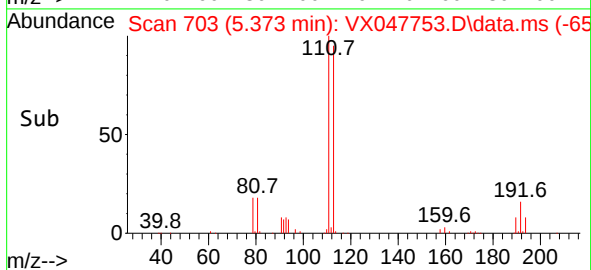
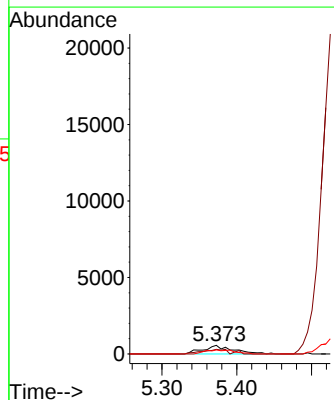
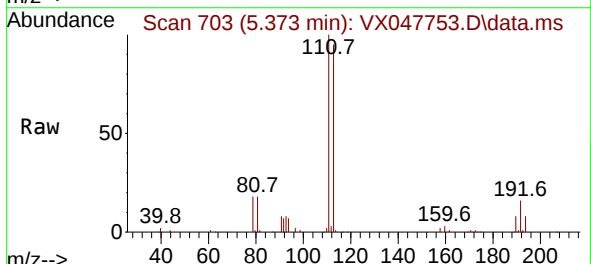
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250916

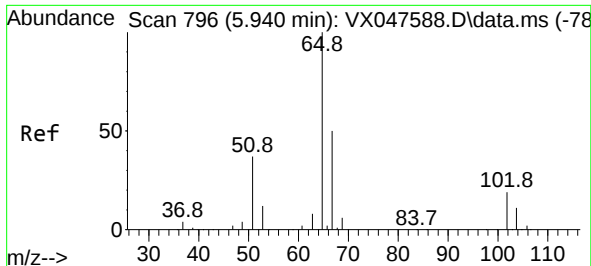
Tgt Ion: 56 Resp: 2994
Ion Ratio Lower Upper
56 100
69 174.7 23.8 35.8#
84 147.4 64.6 97.0#



#32
1,1,1-Trichloroethane
Concen: 0.492 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

Tgt Ion: 97 Resp: 1571
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 45.3 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 51.163 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047753.D

Acq: 24 Sep 2025 05:55

Instrument :

MSVOA_X

ClientSampleId :

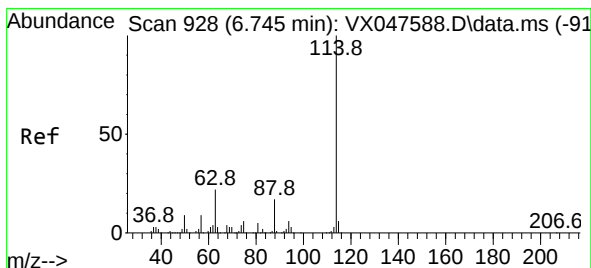
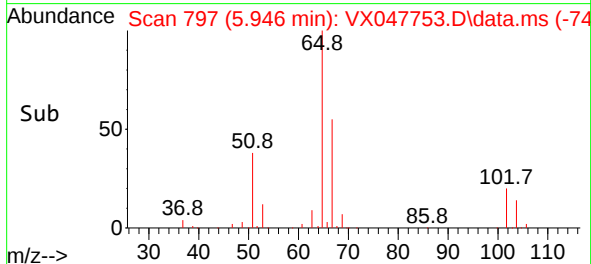
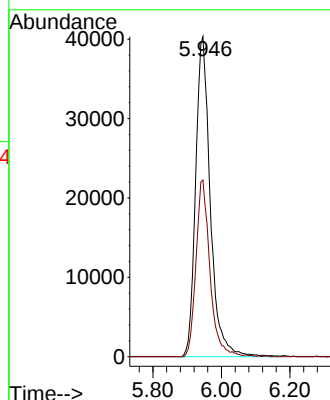
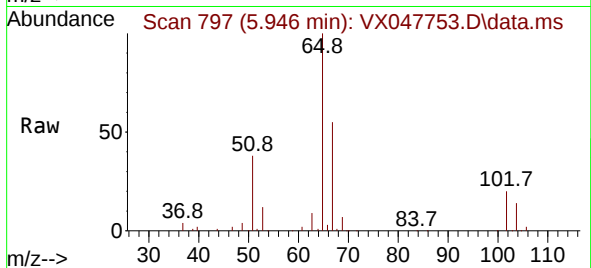
RE132D6-20250916

Tgt Ion: 65 Resp: 120242

Ion Ratio Lower Upper

65 100

67 52.5 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: VX047753.D

Acq: 24 Sep 2025 05:55

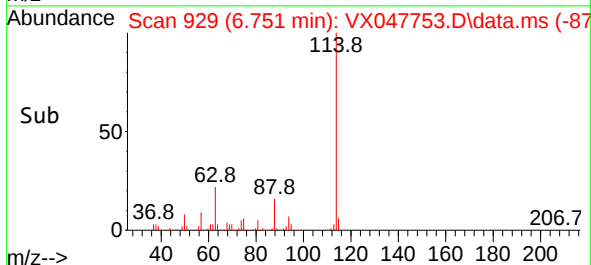
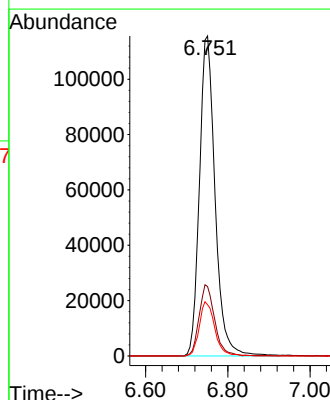
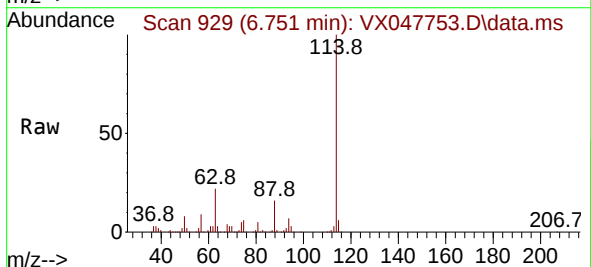
Tgt Ion: 114 Resp: 305020

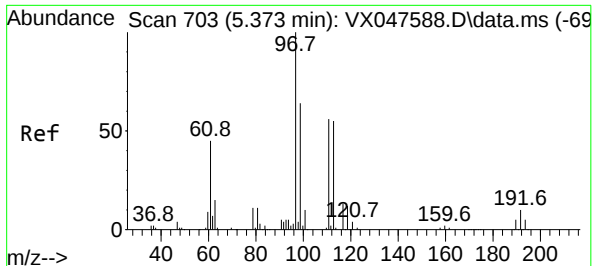
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.0

88 16.0 0.0 34.2

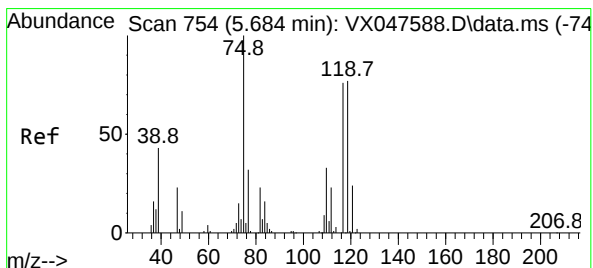
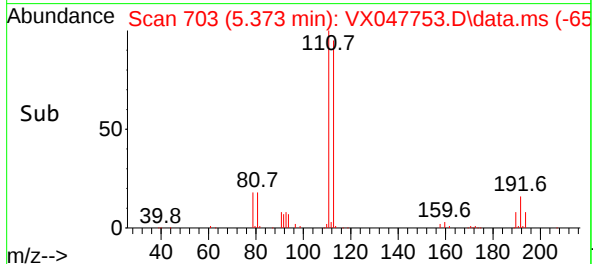
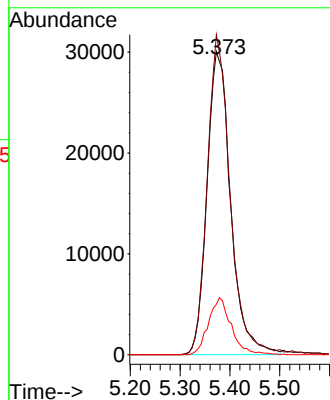
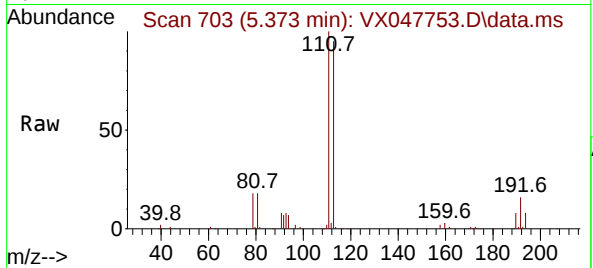




#35
Dibromofluoromethane
Concen: 48.441 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

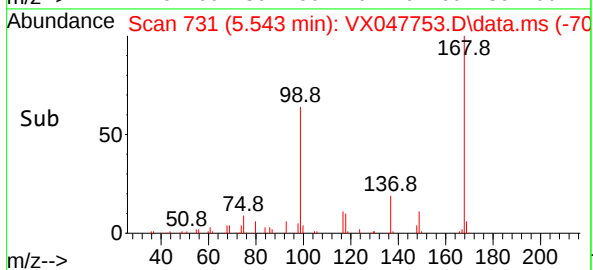
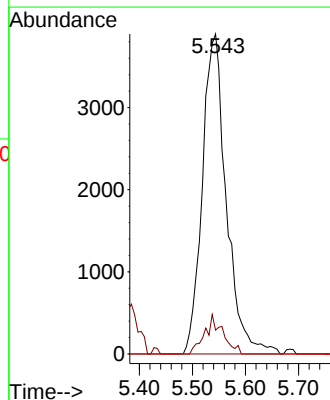
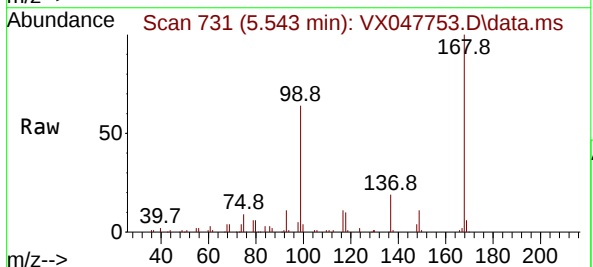
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250916

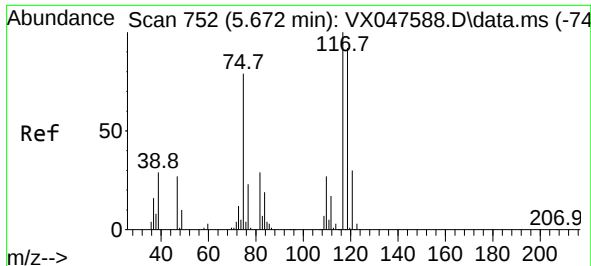
Tgt Ion:113 Resp: 99092
Ion Ratio Lower Upper
113 100
111 102.4 80.9 121.3
192 18.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.095 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.141 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

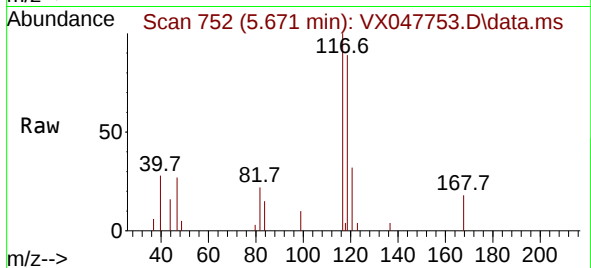
Tgt Ion: 75 Resp: 12242
Ion Ratio Lower Upper
75 100
110 9.2 16.7 50.1#
77 0.0 24.3 36.5#



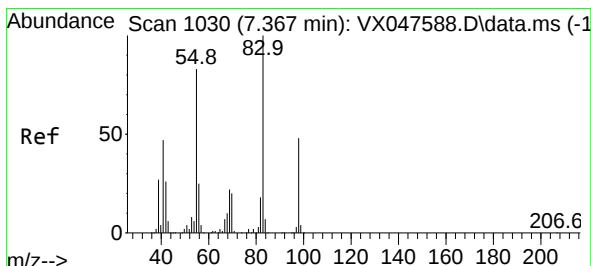
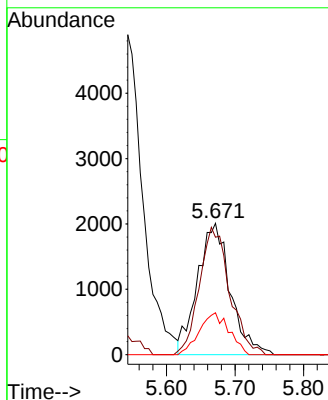
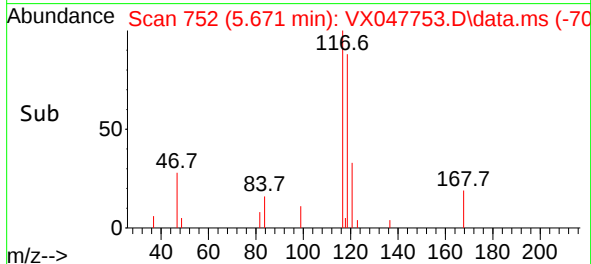


#38
Carbon Tetrachloride
Concen: 2.051 ug/l
RT: 5.671 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250916

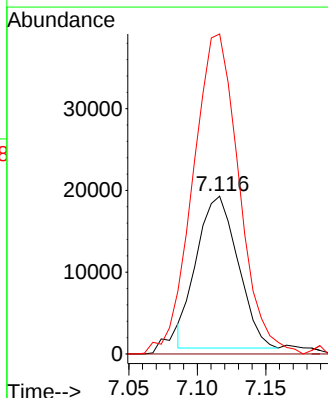
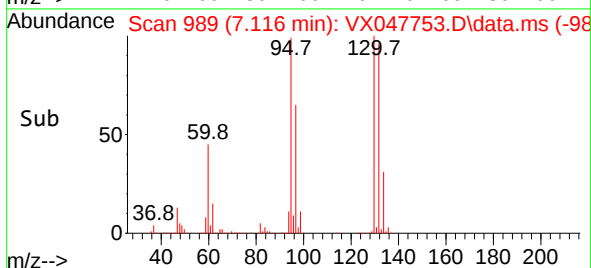
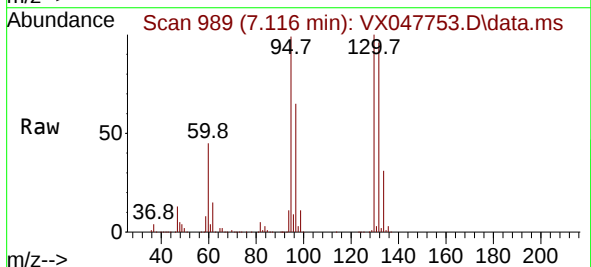


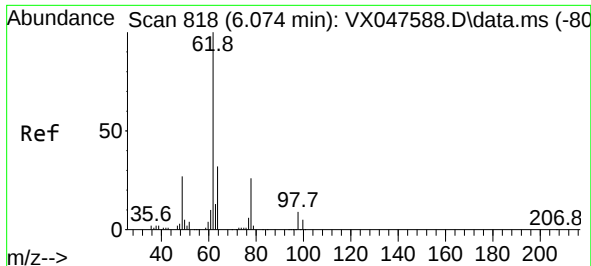
Tgt Ion:	117	Resp:	6660
Ion	Ratio	Lower	Upper
117	100		
119	89.5	73.4	110.2
121	31.9	23.8	35.6



#39
Methylcyclohexane
Concen: 11.457 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.250 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

Tgt Ion:	83	Resp:	38876
Ion	Ratio	Lower	Upper
83	100		
55	0.0	66.4	99.6#
98	311.8	38.1	57.1#





#42

1,2-Dichloroethane

Concen: 0.385 ug/l

RT: 6.074 min Scan# 81

Delta R.T. -0.000 min

Lab File: VX047753.D

Acq: 24 Sep 2025 05:55

Instrument :

MSVOA_X

ClientSampleId :

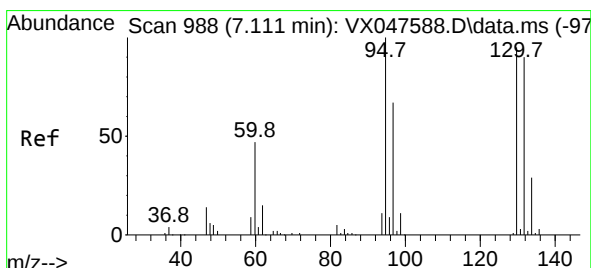
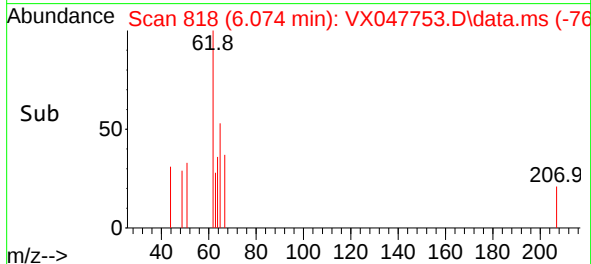
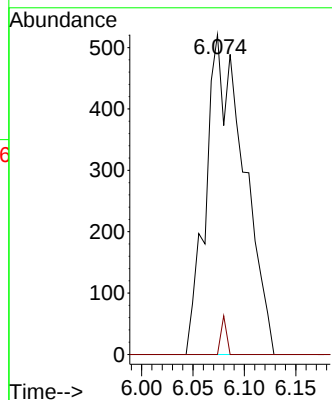
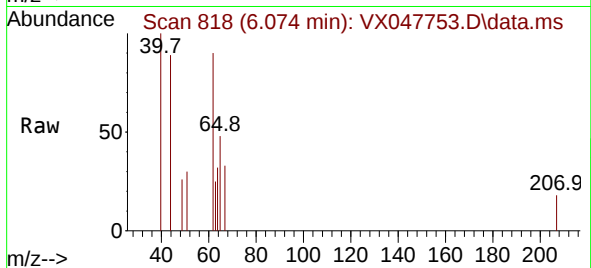
RE132D6-20250916

Tgt Ion: 62 Resp: 1331

Ion Ratio Lower Upper

62 100

98 1.7 0.0 17.0



#44

Trichloroethene

Concen: 1605.857 ug/l

RT: 7.116 min Scan# 989

Delta R.T. 0.006 min

Lab File: VX047753.D

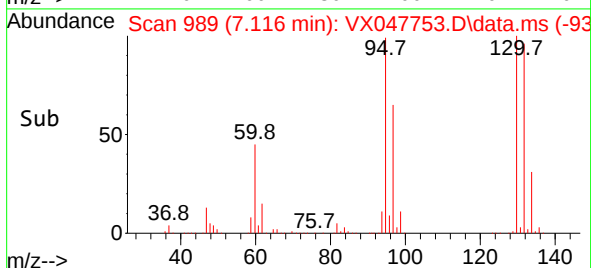
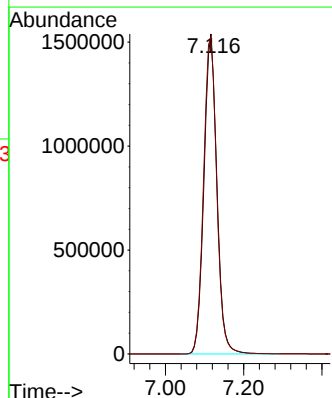
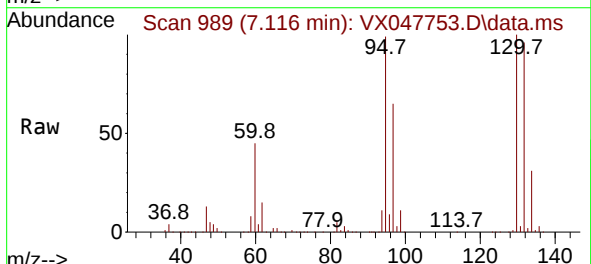
Acq: 24 Sep 2025 05:55

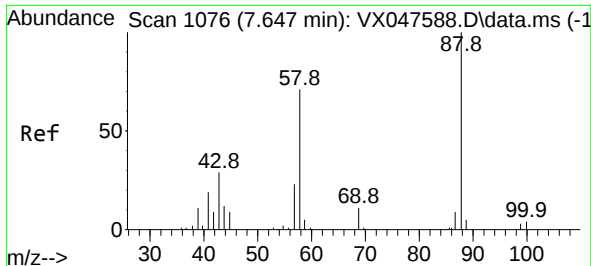
Tgt Ion:130 Resp: 3524733

Ion Ratio Lower Upper

130 100

95 99.2 0.0 210.8

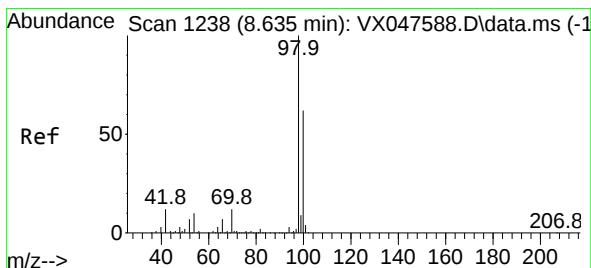
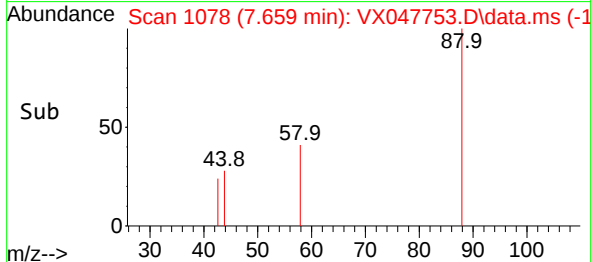
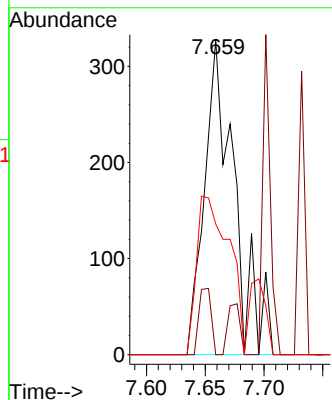
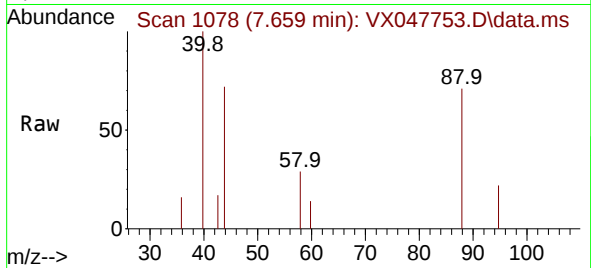




#49
1,4-Dioxane
Concen: 21.912 ug/l
RT: 7.659 min Scan# 1076
Delta R.T. 0.012 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

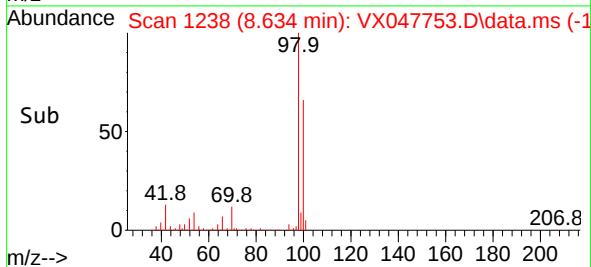
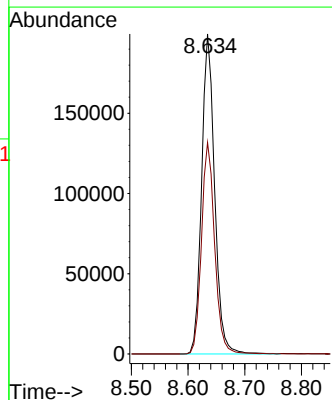
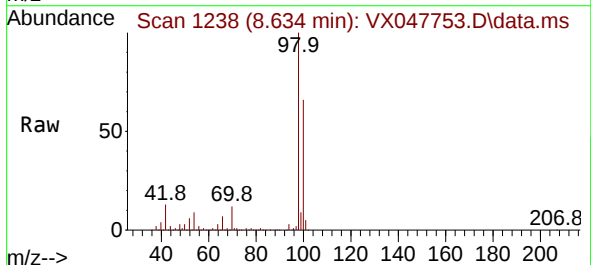
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250916

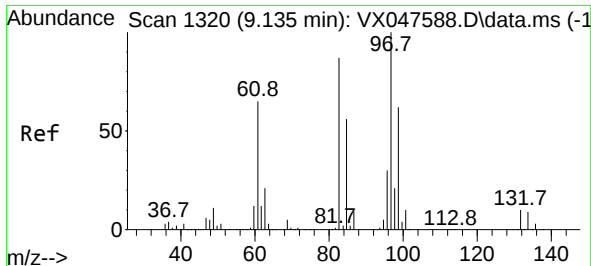
Tgt Ion: 88 Resp: 579
Ion Ratio Lower Upper
88 100
43 8.6 30.2 45.2#
58 54.6 59.5 89.3#



#50
Toluene-d8
Concen: 44.842 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

Tgt Ion: 98 Resp: 317405
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.4





#55

1,1,2-Trichloroethane

Concen: 1.429 ug/l

RT: 9.140 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047753.D

Acq: 24 Sep 2025 05:55

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20250916

Tgt Ion: 97 Resp: 3082

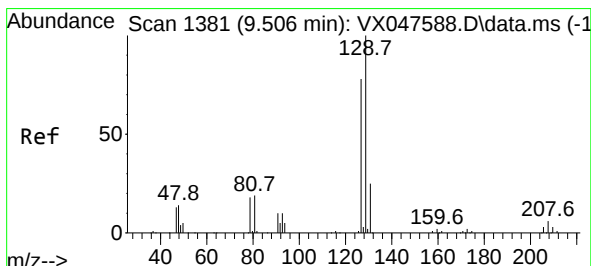
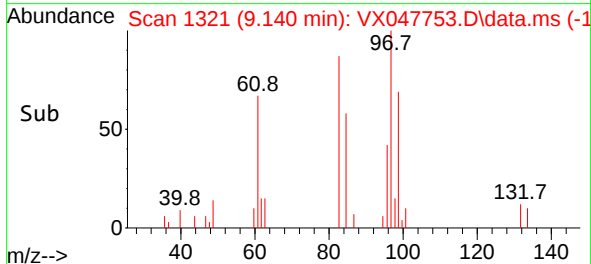
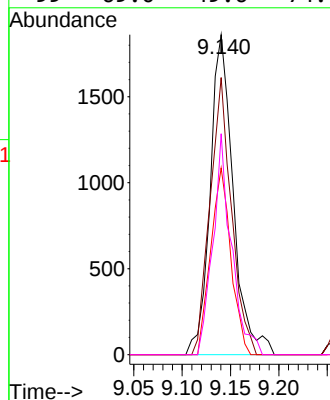
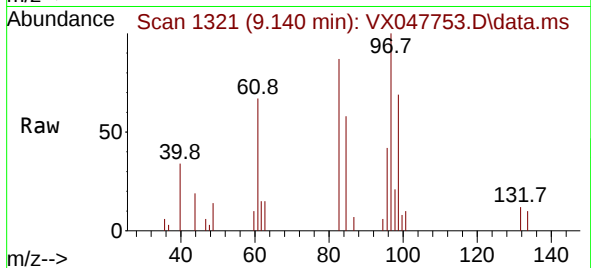
Ion Ratio Lower Upper

97 100

83 86.6 69.6 104.4

85 58.4 45.0 67.6

99 69.0 49.6 74.4



#60

Dibromochloromethane

Concen: 2.454 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. -0.250 min

Lab File: VX047753.D

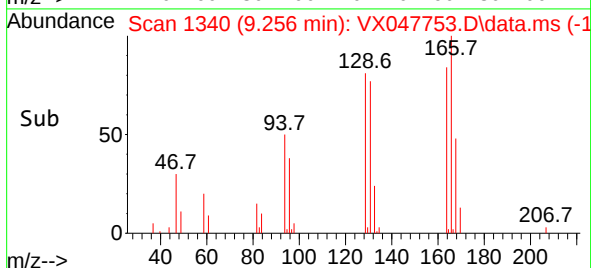
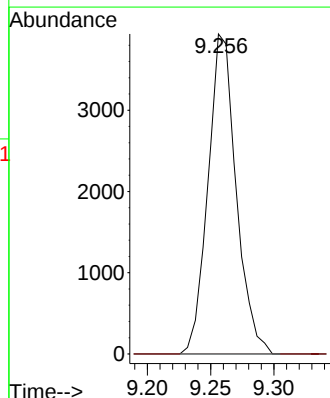
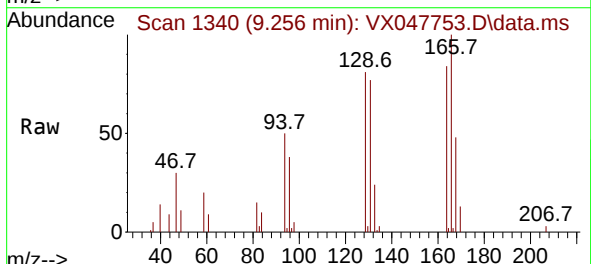
Acq: 24 Sep 2025 05:55

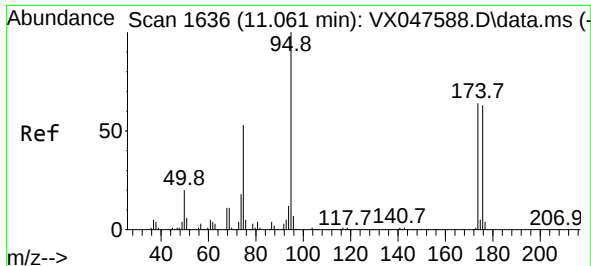
Tgt Ion:129 Resp: 6098

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

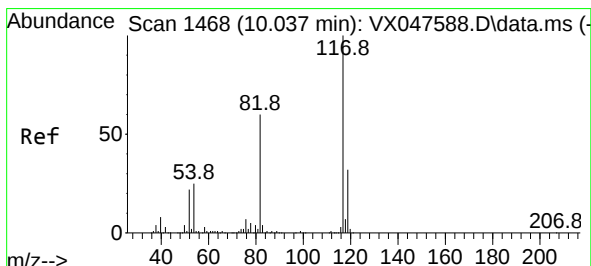
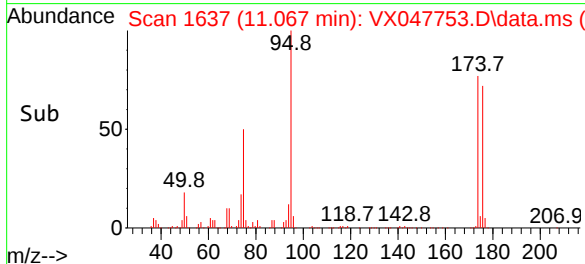
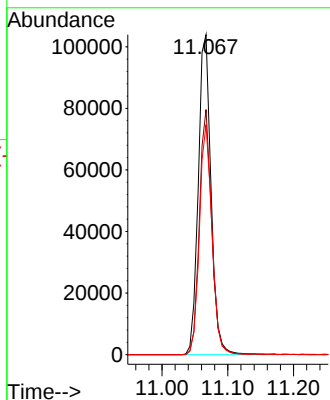
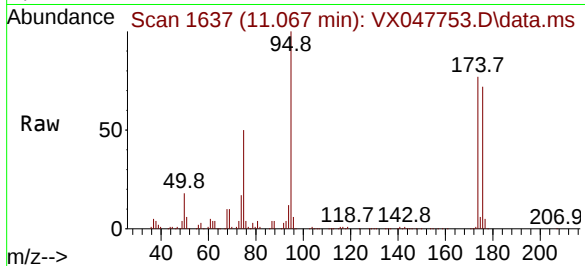




#62
4-Bromofluorobenzene
Concen: 52.075 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

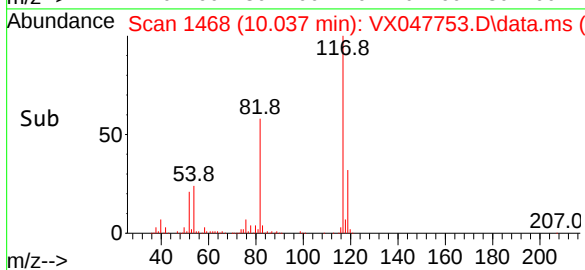
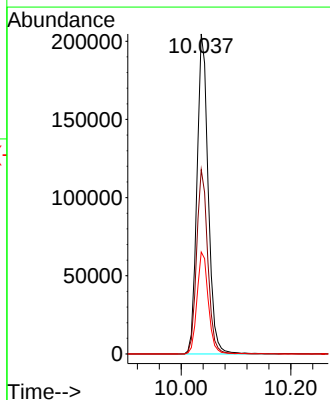
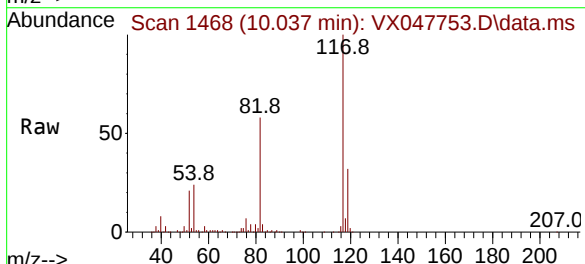
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250916

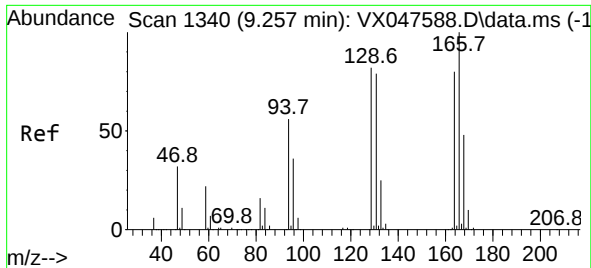
Tgt Ion: 95 Resp: 139890
Ion Ratio Lower Upper
95 100
174 74.3 0.0 141.6
176 70.8 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

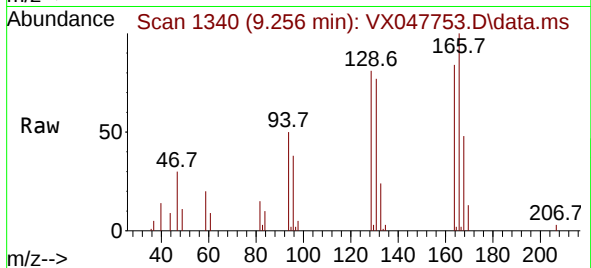
Tgt Ion: 117 Resp: 291964
Ion Ratio Lower Upper
117 100
82 57.6 47.8 71.6
119 31.9 25.2 37.8



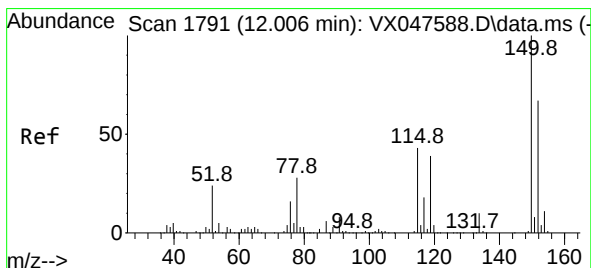
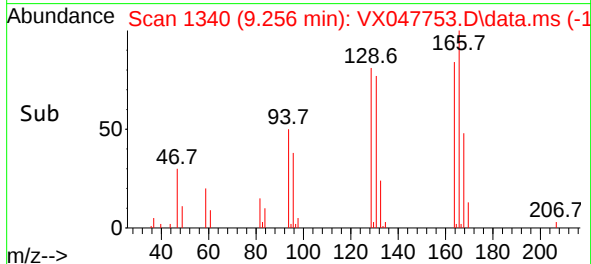
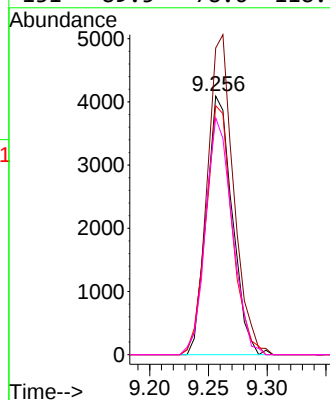


#64
 Tetrachloroethene
 Concen: 3.296 ug/l
 RT: 9.256 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047753.D
 Acq: 24 Sep 2025 05:55

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20250916

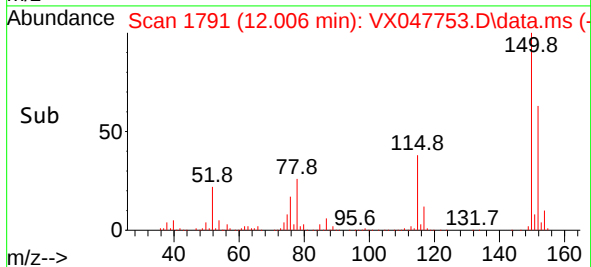
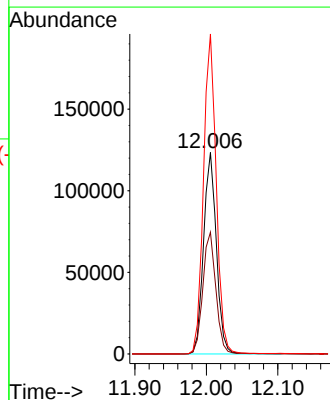
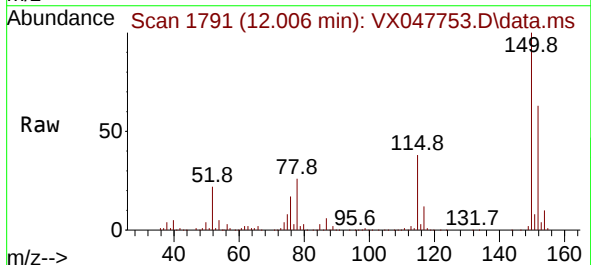


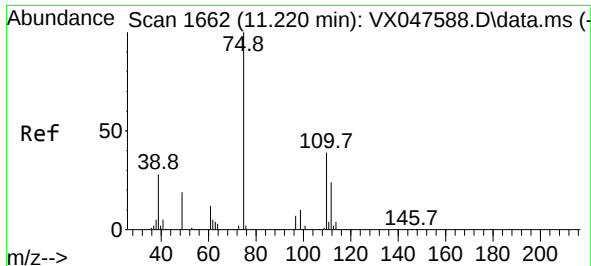
Tgt	Ion:164	Resp:	6273
Ion	Ratio	Lower	Upper
164	100		
166	118.5	100.2	150.2
129	94.0	81.8	122.6
131	89.5	78.6	118.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX047753.D
 Acq: 24 Sep 2025 05:55

Tgt Ion:152	Resp:	154008	
Ion	Ratio	Lower	Upper
152	100		
115	61.5	44.9	134.5
150	157.8	0.0	352.0

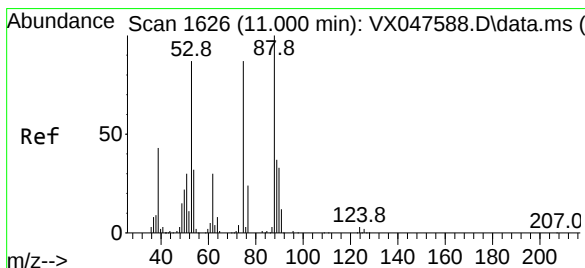
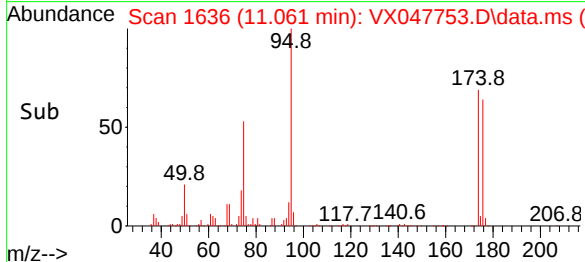
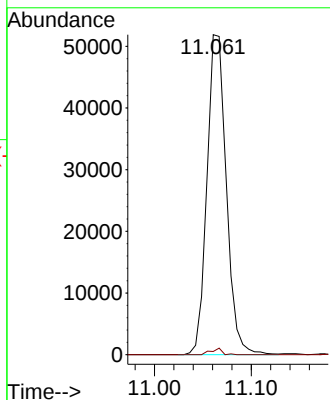
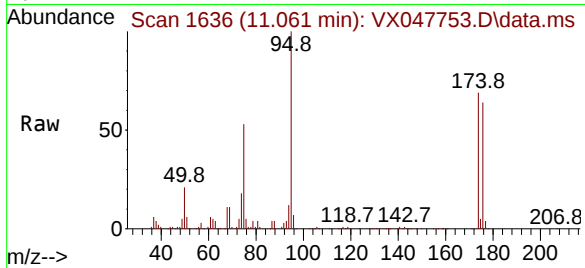




#76
1,2,3-Trichloropropane
Concen: 23.193 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250916

Tgt Ion: 75 Resp: 72321
Ion Ratio Lower Upper
75 100
77 1.2 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.146 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047753.D
Acq: 24 Sep 2025 05:55

Tgt Ion: 75 Resp: 72321
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

