

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092625\
 Data File : VX047864.D
 Acq On : 26 Sep 2025 17:13
 Operator : JC/MD
 Sample : Q3156-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20250918

Quant Time: Sep 26 23:18:42 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)

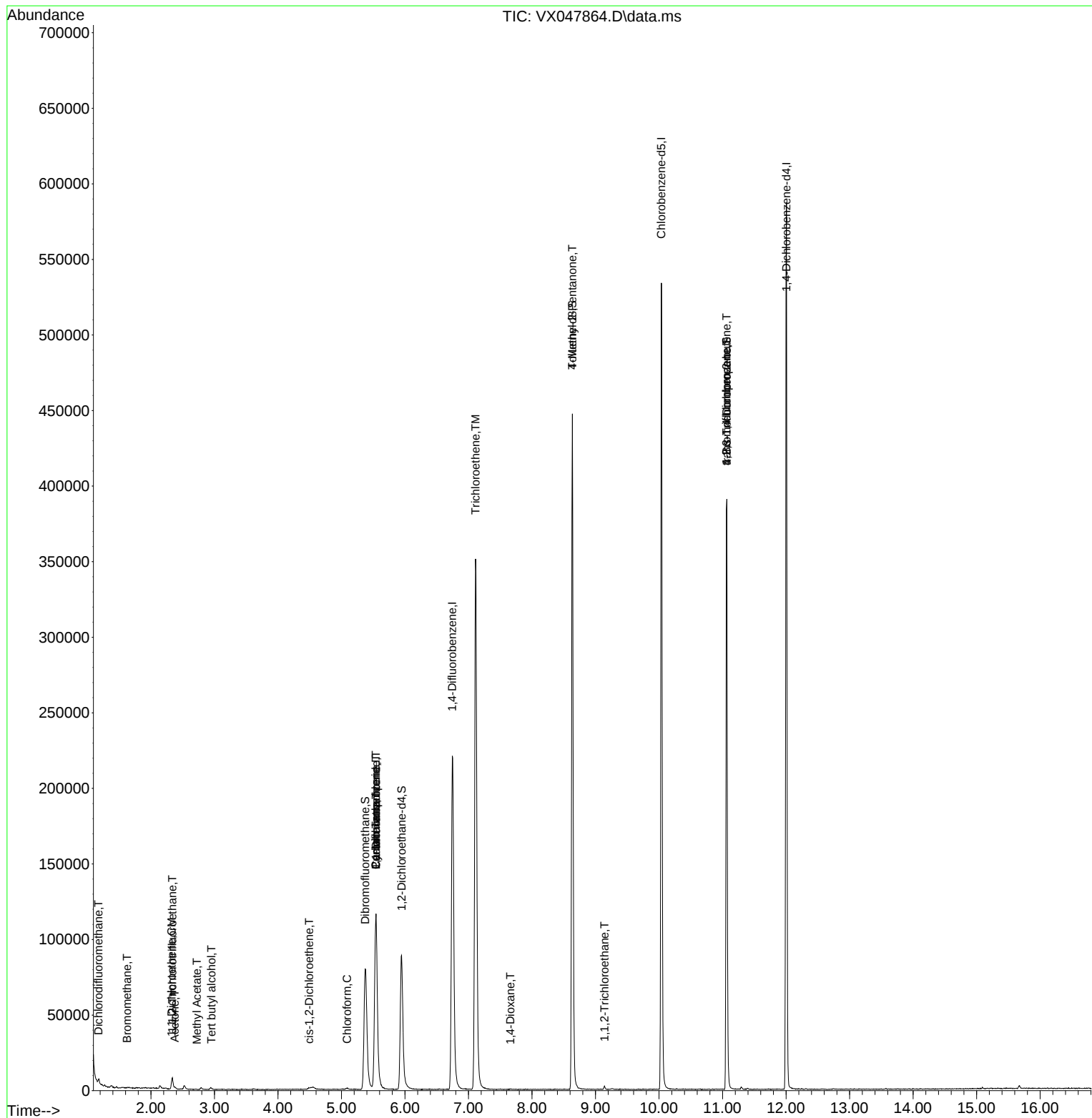
Internal Standards						
1) Pentafluorobenzene	5.544	168	116802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	246986	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	248755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	123332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	97293	52.331	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.660%	
35) Dibromofluoromethane	5.373	113	80827	48.796	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.600%	
50) Toluene-d8	8.635	98	272465	47.538	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.080%	
62) 4-Bromofluorobenzene	11.061	95	114756	52.756	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.520%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	1702	1.407	ug/l	98
5) Bromomethane	1.624	94	229	0.232	ug/l #	40
9) 1,1,2-Trichlorotrifluo...	2.337	101	2181	1.614	ug/l	97
11) Tert butyl alcohol	2.953	59	324	1.565	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	1295	0.933	ug/l #	57
16) Acetone	2.373	43	1558	1.927	ug/l #	80
18) Methyl Acetate	2.721	43	474	0.263	ug/l #	54
27) cis-1,2-Dichloroethene	4.489	96	806	0.441	ug/l	94
30) Chloroform	5.086	83	994	0.333	ug/l	95
31) Cyclohexane	5.544	56	2396	0.975	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9547	3.944	ug/l #	48
38) Carbon Tetrachloride	5.544	117	12495	4.751	ug/l #	17
44) Trichloroethene	7.110	130	148505	83.556	ug/l	94
49) 1,4-Dioxane	7.659	88	96	4.487	ug/l #	1
51) 4-Methyl-2-Pentanone	8.635	43	1317	0.559	ug/l #	1
55) 1,1,2-Trichloroethane	9.141	97	635	0.364	ug/l #	72
76) 1,2,3-Trichloropropane	11.061	75	58704	23.509	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	58704	59.951	ug/l #	8

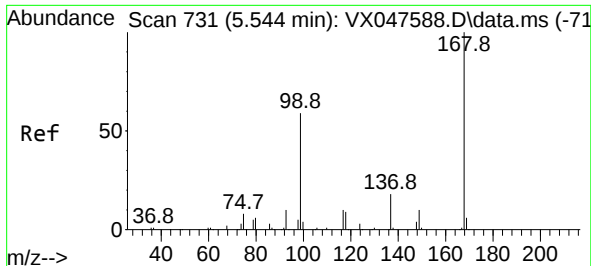
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

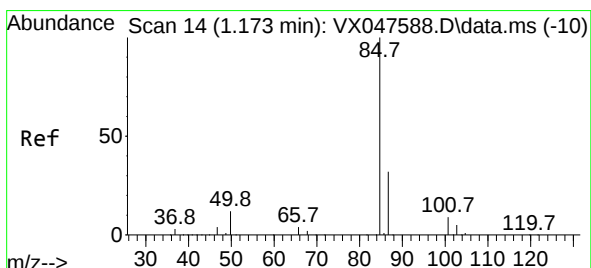
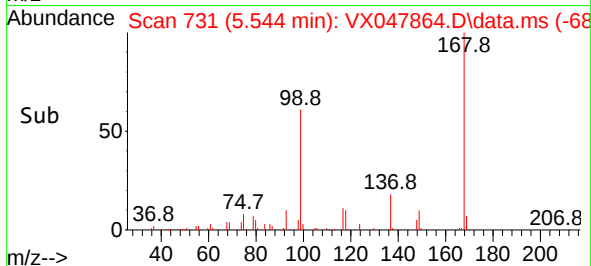
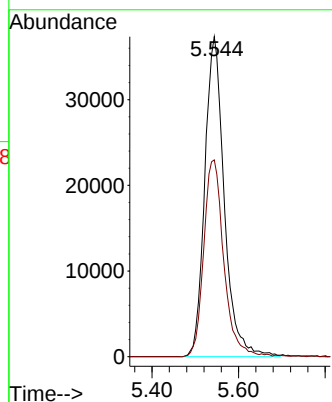
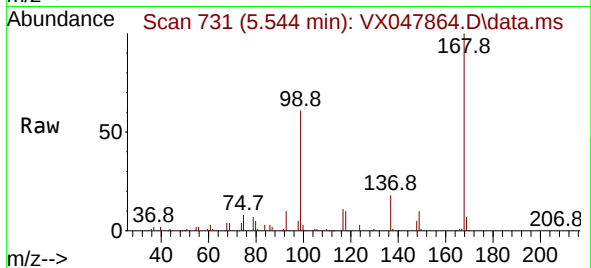




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

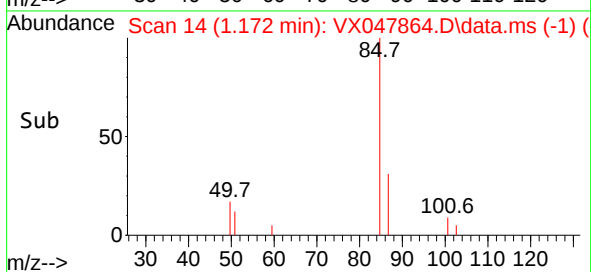
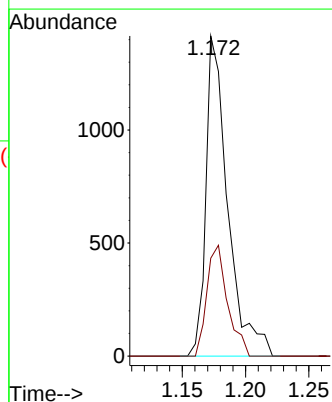
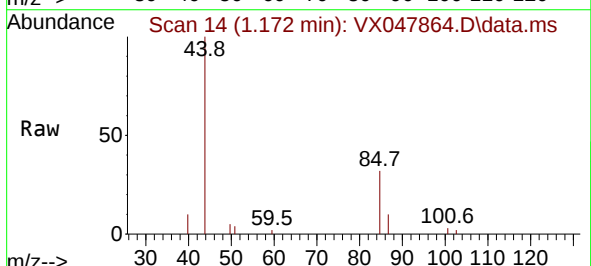
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250918

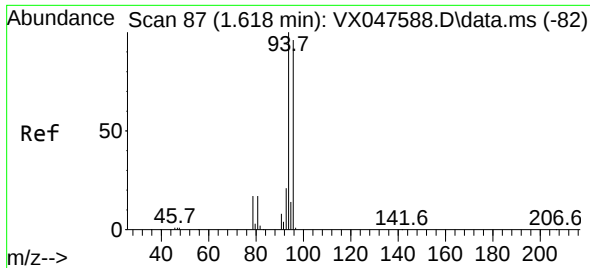
Tgt Ion:168 Resp: 116802
Ion Ratio Lower Upper
168 100
99 61.5 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 1.407 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 85 Resp: 1702
Ion Ratio Lower Upper
85 100
87 30.6 15.8 47.3

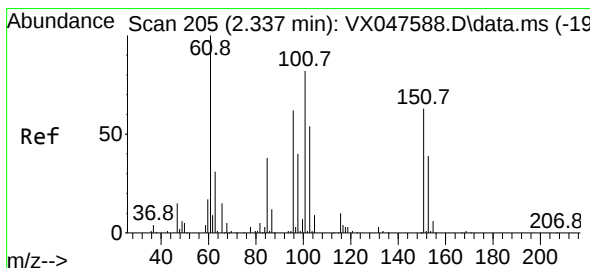
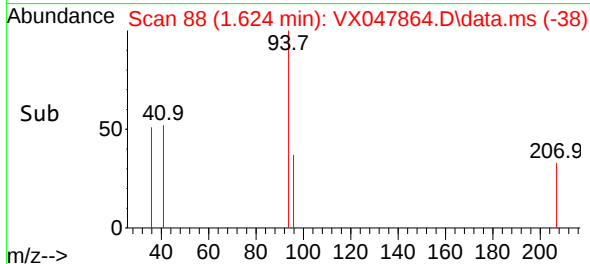
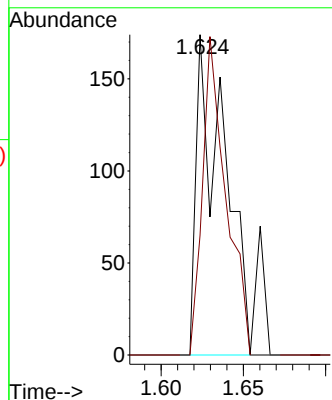
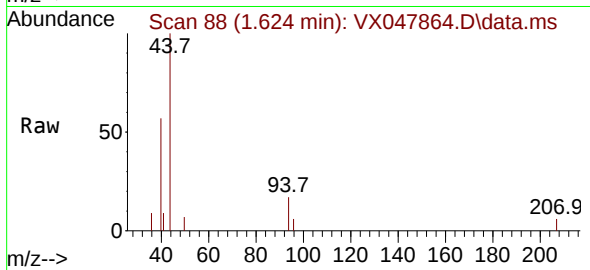




#5
Bromomethane
Concen: 0.232 ug/l
RT: 1.624 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

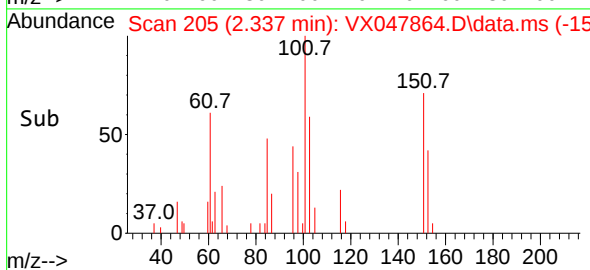
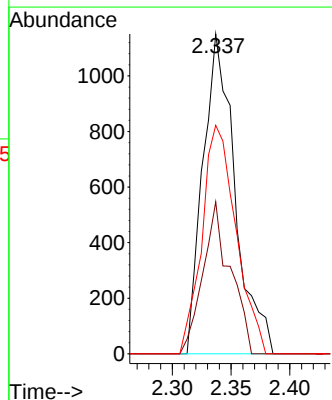
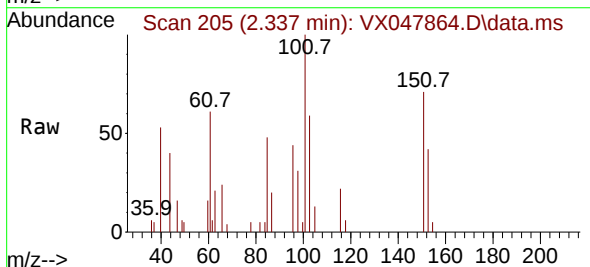
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250918

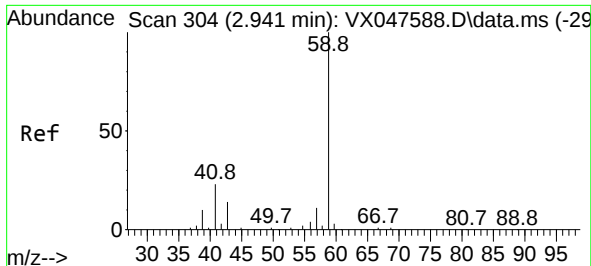
Tgt Ion: 94 Resp: 229
Ion Ratio Lower Upper
94 100
96 37.4 76.6 115.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.614 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 101 Resp: 2181
Ion Ratio Lower Upper
101 100
85 40.7 35.5 53.3
151 75.8 59.4 89.0

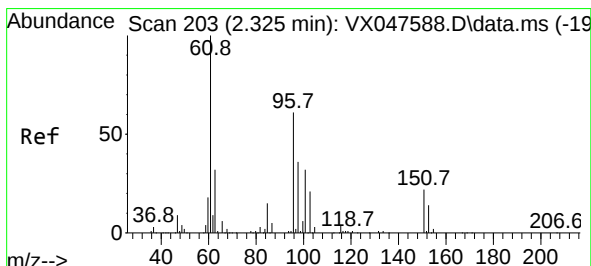
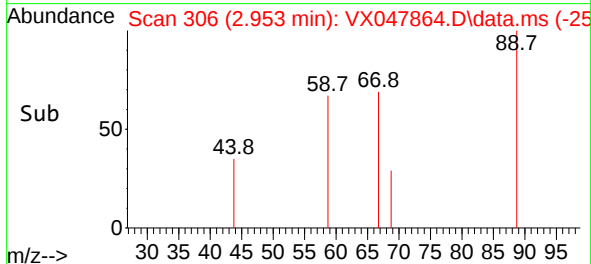
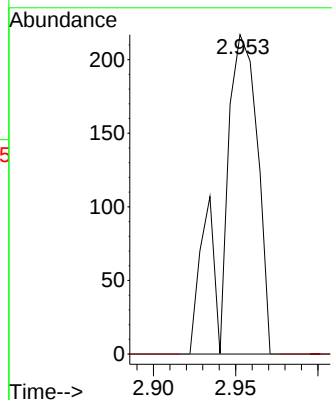
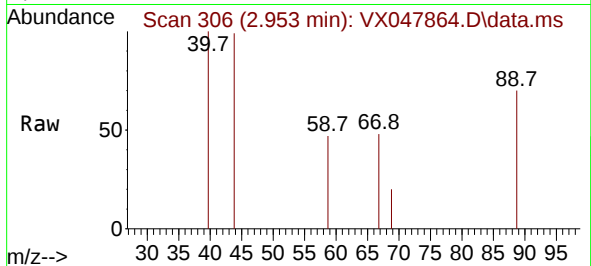




#11
Tert butyl alcohol
Concen: 1.565 ug/l
RT: 2.953 min Scan# 30
Delta R.T. 0.012 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

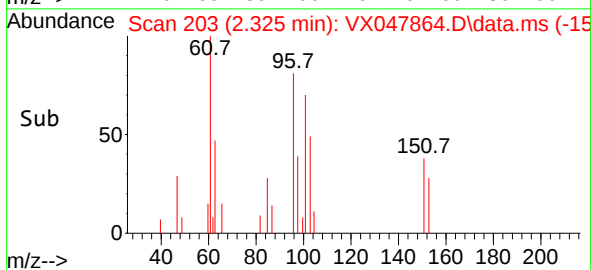
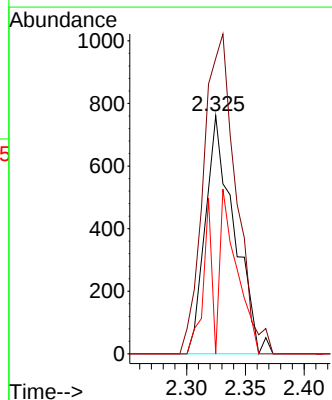
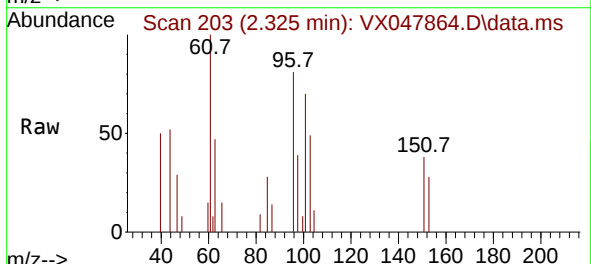
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250918

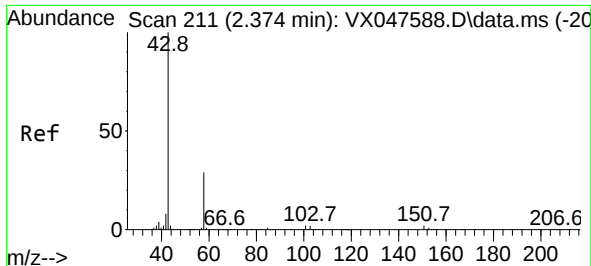
Tgt Ion: 59 Resp: 324
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.933 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

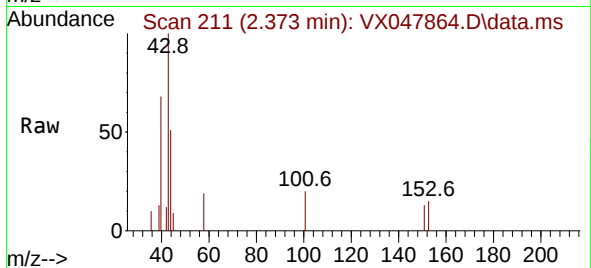
Tgt Ion: 96 Resp: 1295
Ion Ratio Lower Upper
96 100
61 124.0 131.0 196.6#
98 0.0 47.7 71.5#



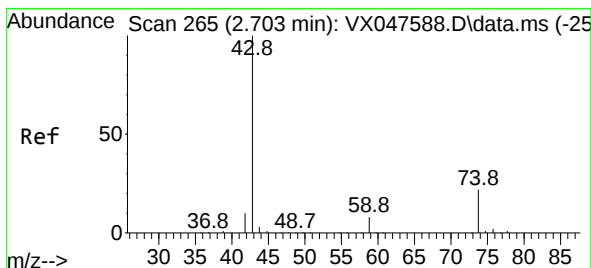
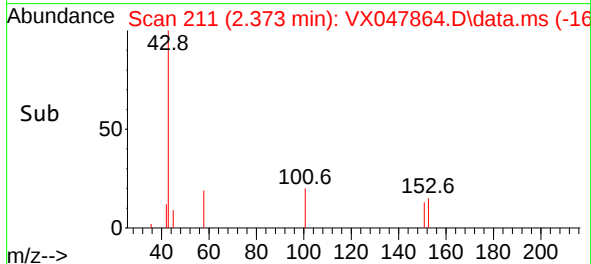
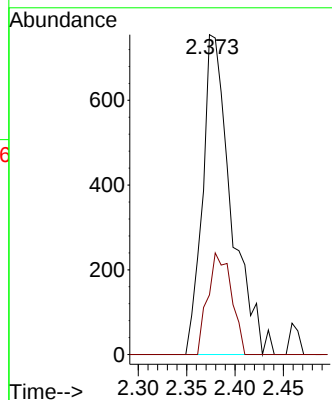


#16
Acetone
Concen: 1.927 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250918

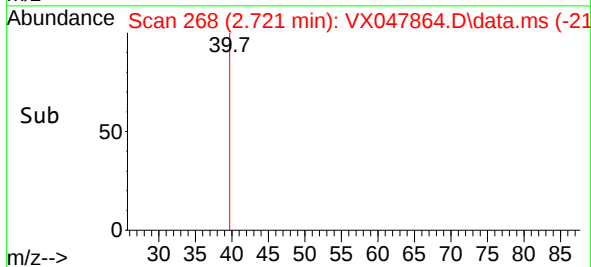
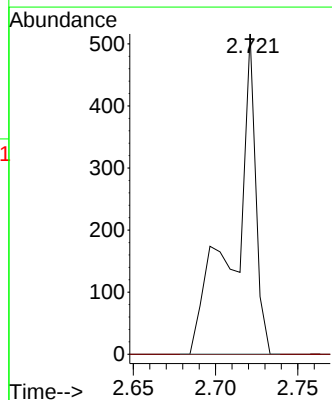
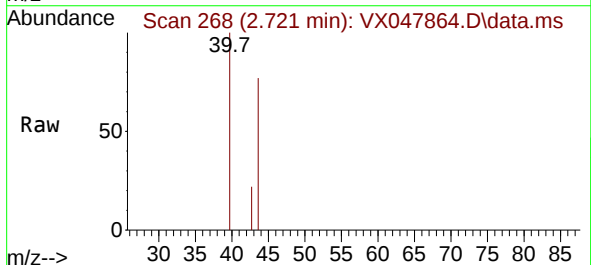


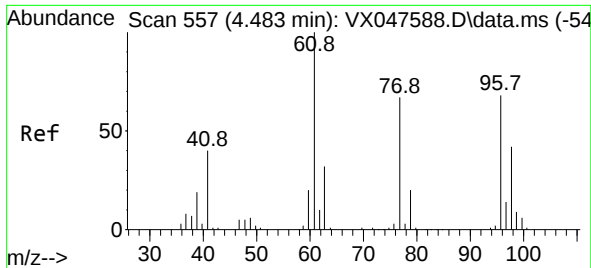
Tgt Ion: 43 Resp: 1558
Ion Ratio Lower Upper
43 100
58 18.7 23.4 35.0#



#18
Methyl Acetate
Concen: 0.263 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.018 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 43 Resp: 474
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#





#27

cis-1,2-Dichloroethene

Concen: 0.441 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX047864.D

Acq: 26 Sep 2025 17:13

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20250918

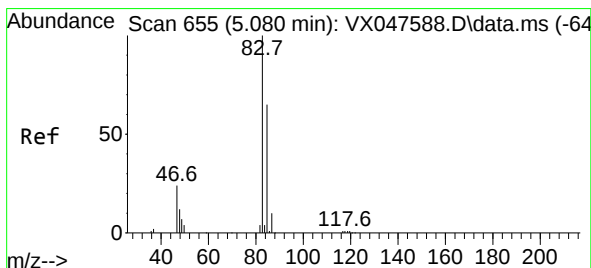
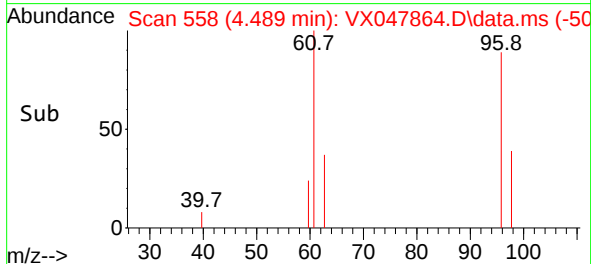
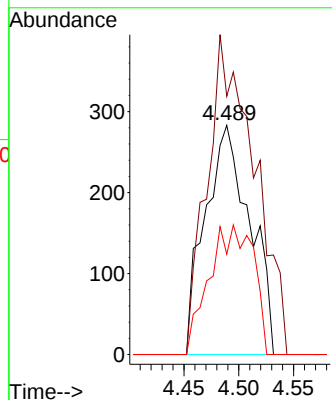
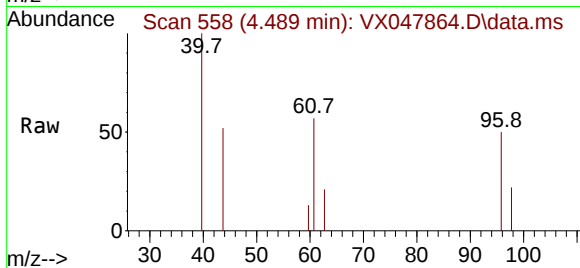
Tgt Ion: 96 Resp: 806

Ion Ratio Lower Upper

96 100

61 145.9 0.0 303.2

98 55.7 0.0 127.8



#30

Chloroform

Concen: 0.333 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX047864.D

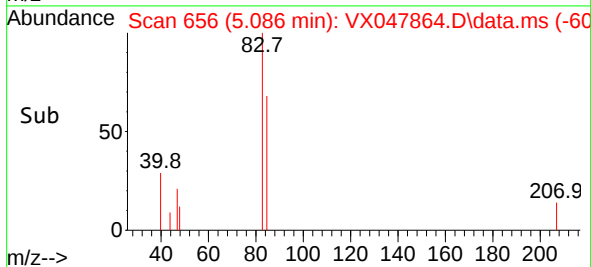
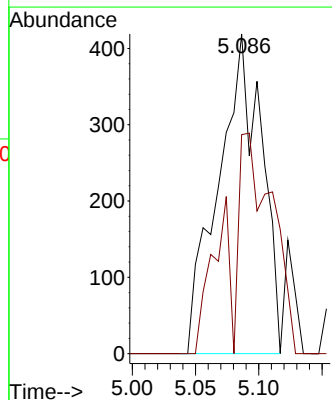
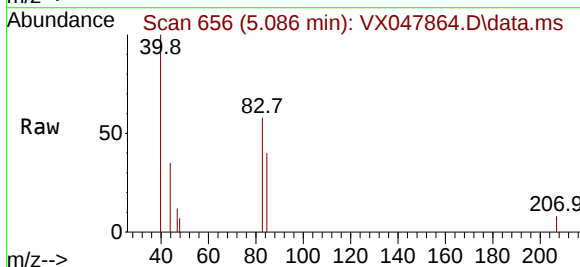
Acq: 26 Sep 2025 17:13

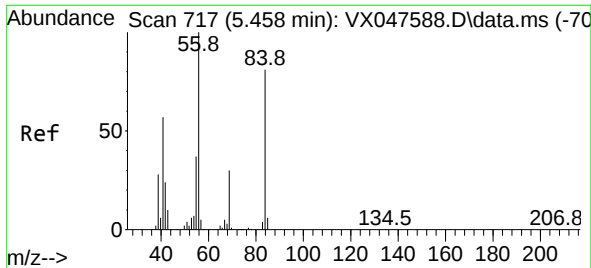
Tgt Ion: 83 Resp: 994

Ion Ratio Lower Upper

83 100

85 68.5 51.8 77.6

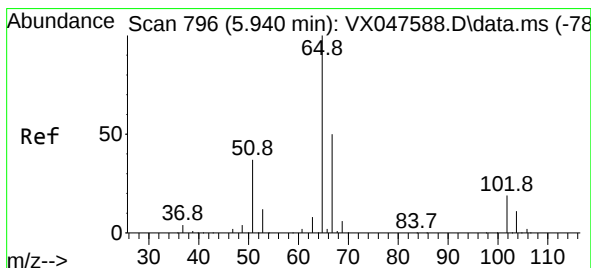
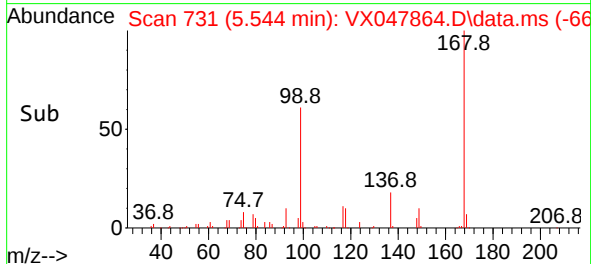
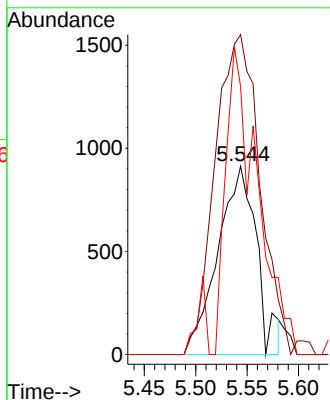
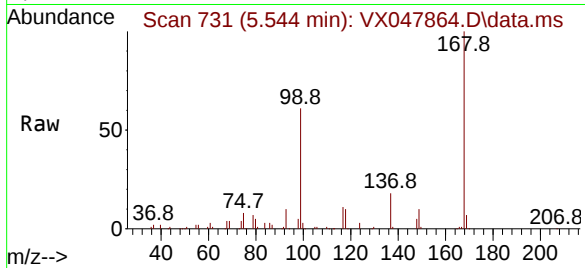




#31
Cyclohexane
Concen: 0.975 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

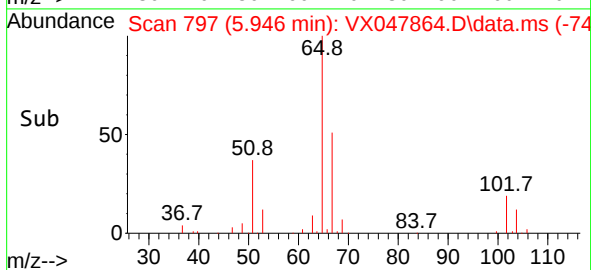
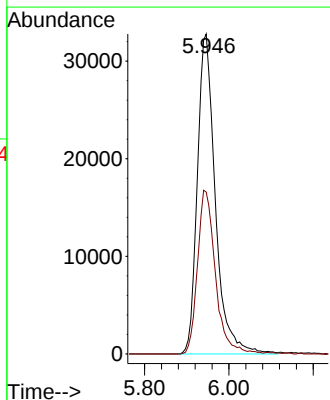
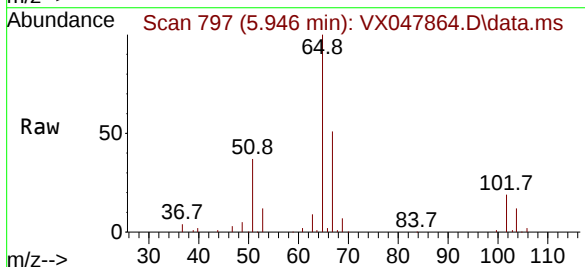
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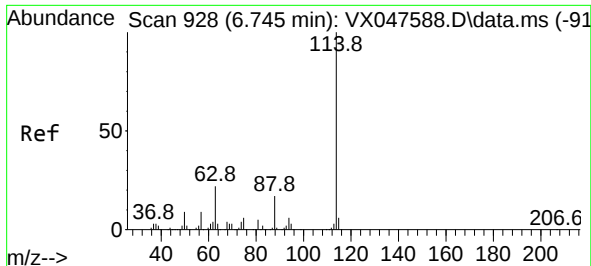
Tgt Ion:	56	Resp:	2396
Ion	Ratio	Lower	Upper
56	100		
69	169.9	23.8	35.8#
84	142.4	64.6	97.0#



#33
1,2-Dichloroethane-d4
Concen: 52.331 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

Tgt Ion:	65	Resp:	97293
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.0

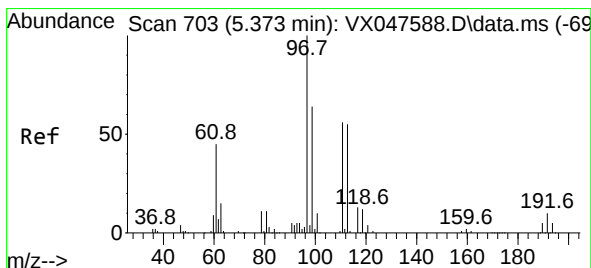
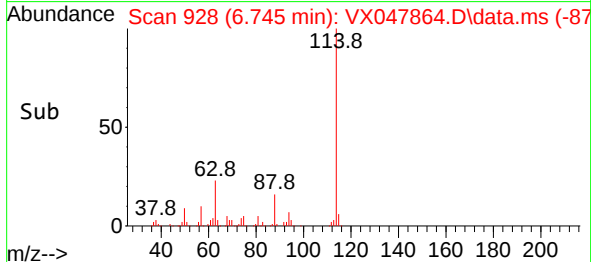
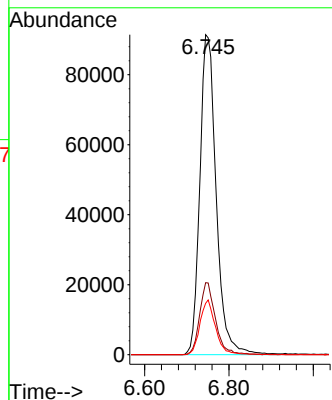
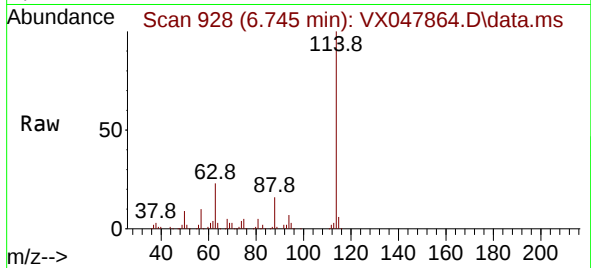




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

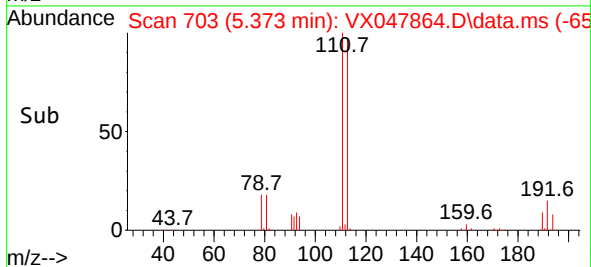
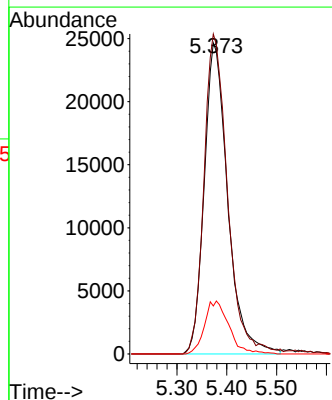
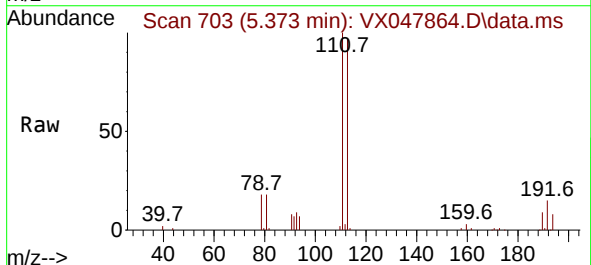
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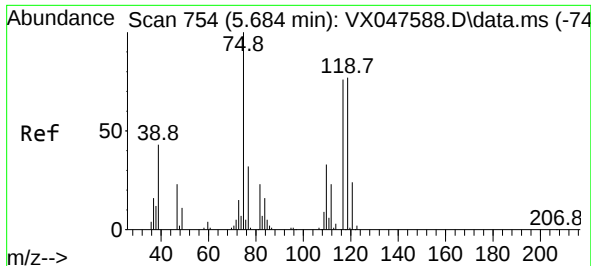
Tgt Ion:114 Resp: 246986
Ion Ratio Lower Upper
114 100
63 22.5 0.0 44.0
88 16.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.796 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

Tgt Ion:113 Resp: 80827
Ion Ratio Lower Upper
113 100
111 102.8 80.9 121.3
192 17.7 14.2 21.4





#36

1,1-Dichloropropene

Concen: 3.944 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX047864.D

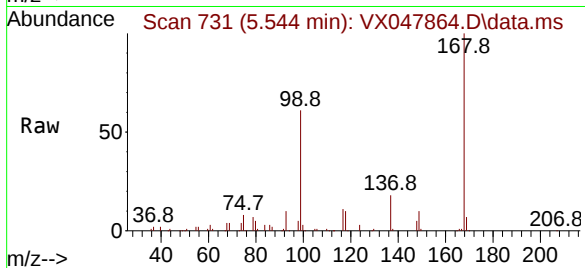
Acq: 26 Sep 2025 17:13

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20250918



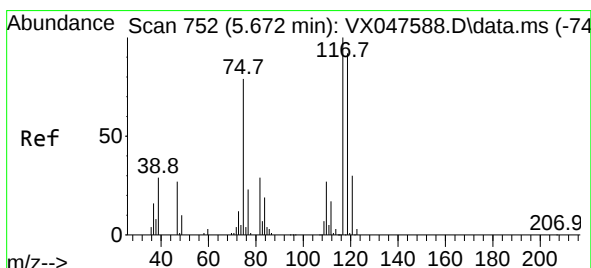
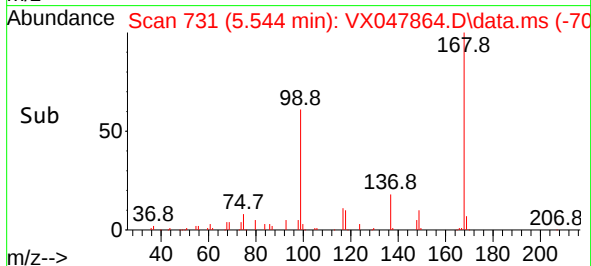
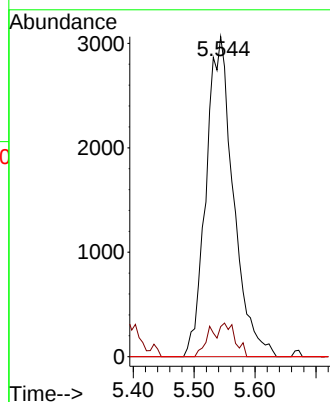
Tgt Ion: 75 Resp: 9547

Ion Ratio Lower Upper

75 100

110 5.8 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.751 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX047864.D

Acq: 26 Sep 2025 17:13

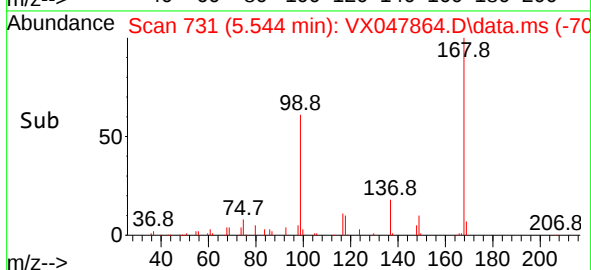
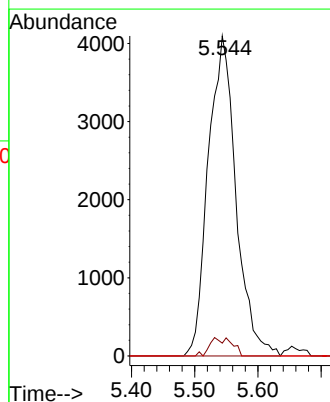
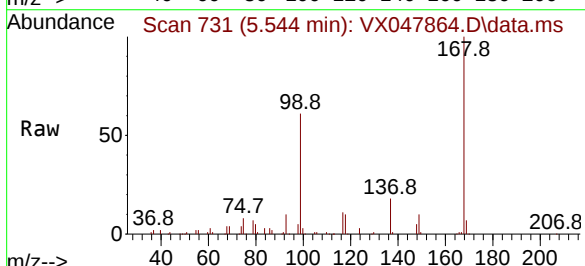
Tgt Ion: 117 Resp: 12495

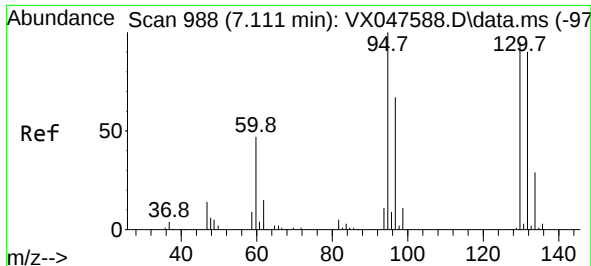
Ion Ratio Lower Upper

117 100

119 4.0 73.4 110.2#

121 0.0 23.8 35.6#

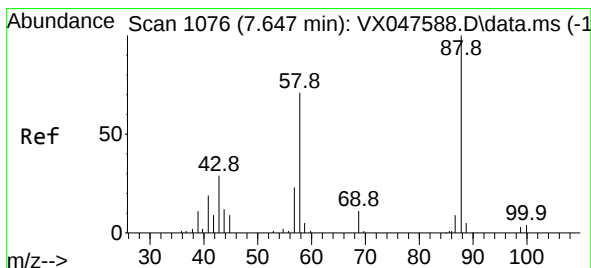
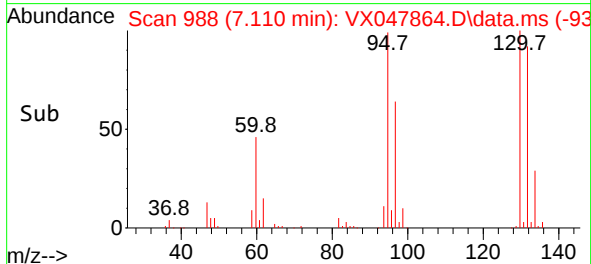
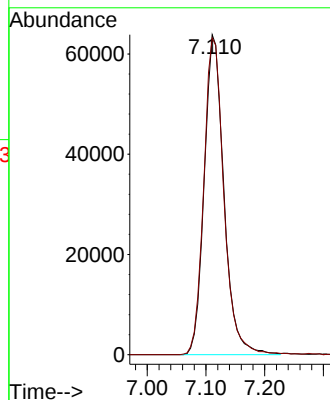
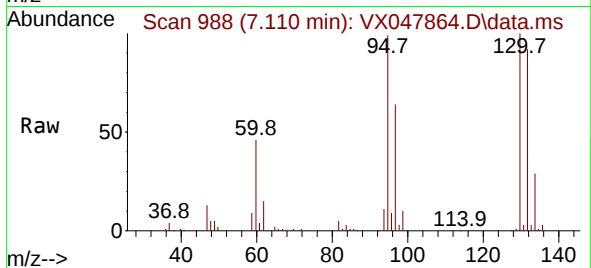




#44
Trichloroethene
Concen: 83.556 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

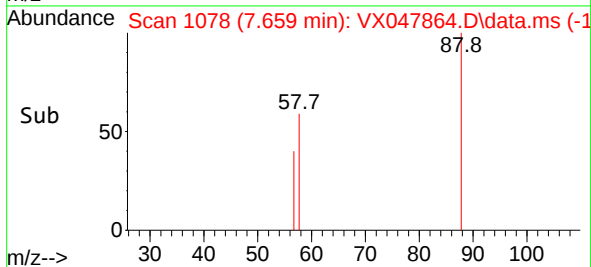
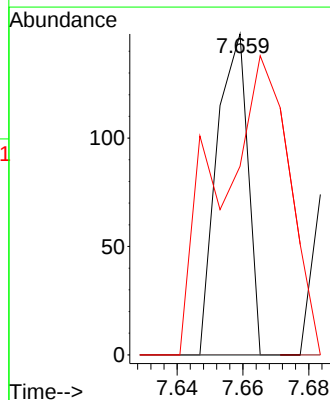
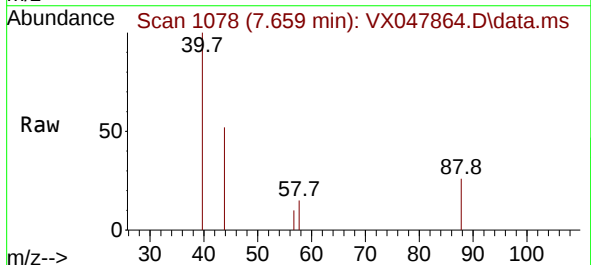
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250918

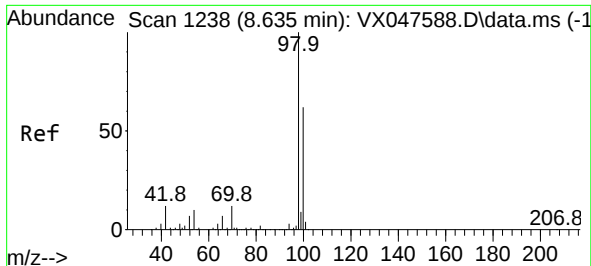
Tgt Ion:130 Resp: 148505
Ion Ratio Lower Upper
130 100
95 98.9 0.0 210.8



#49
1,4-Dioxane
Concen: 4.487 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 88 Resp: 96
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.2#
58 212.5 59.5 89.3#

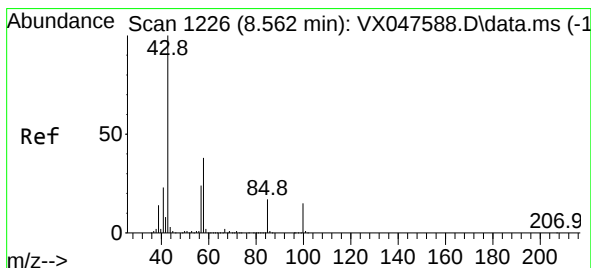
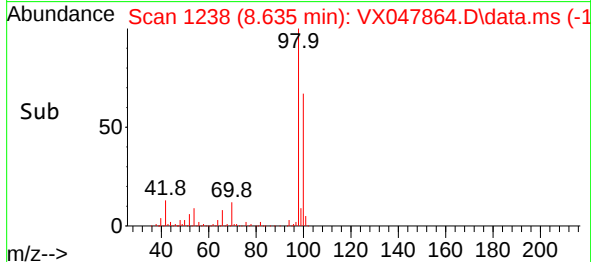
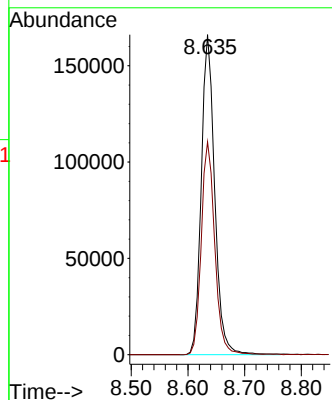
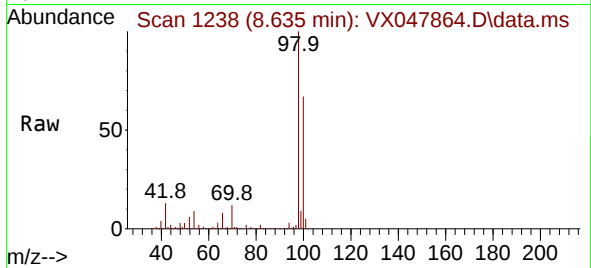




#50
Toluene-d8
Concen: 47.538 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

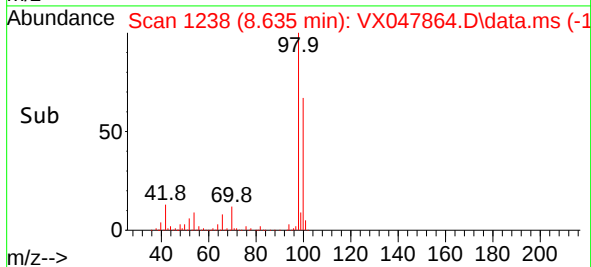
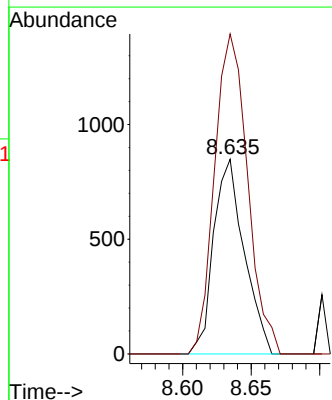
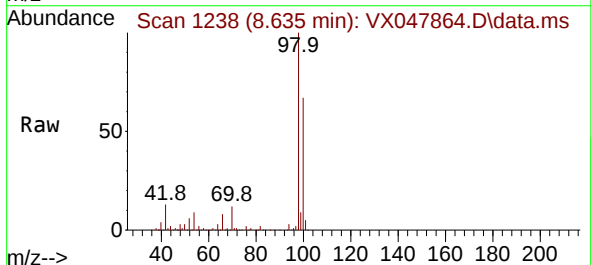
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250918

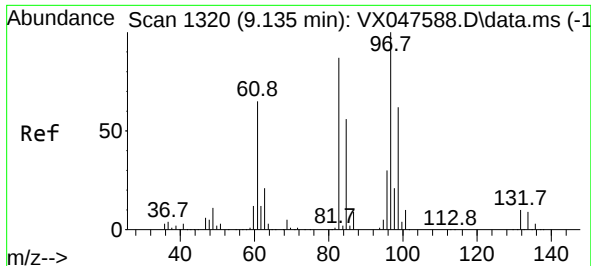
Tgt Ion: 98 Resp: 272465
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.559 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.073 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 43 Resp: 1317
Ion Ratio Lower Upper
43 100
58 177.3 30.3 45.5#





#55

1,1,2-Trichloroethane

Concen: 0.364 ug/l

RT: 9.141 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047864.D

Acq: 26 Sep 2025 17:13

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20250918

Tgt Ion: 97 Resp: 635

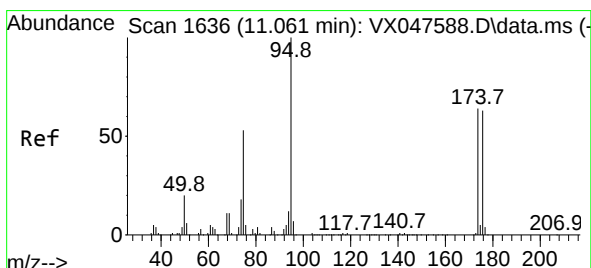
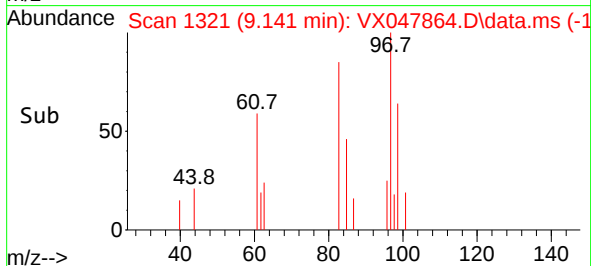
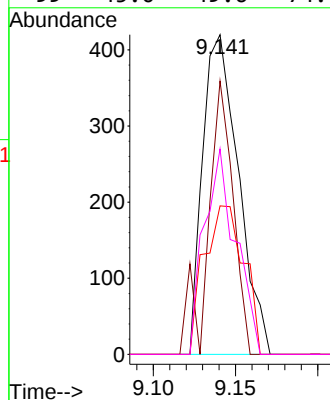
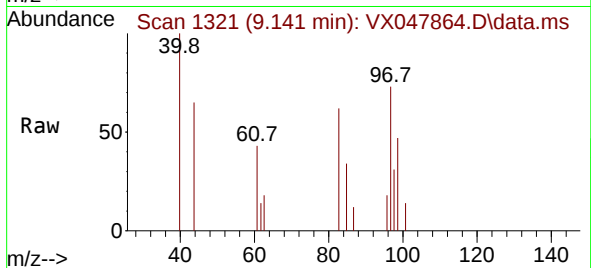
Ion Ratio Lower Upper

97 100

83 59.8 69.6 104.4#

85 32.5 45.0 67.6#

99 45.0 49.6 74.4#



#62

4-Bromofluorobenzene

Concen: 52.756 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX047864.D

Acq: 26 Sep 2025 17:13

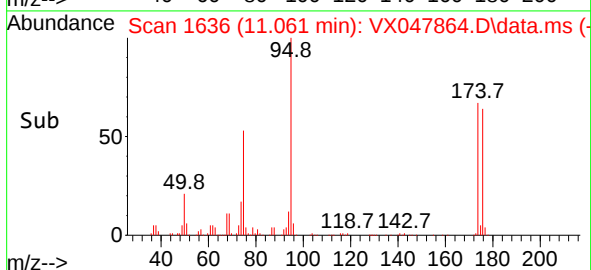
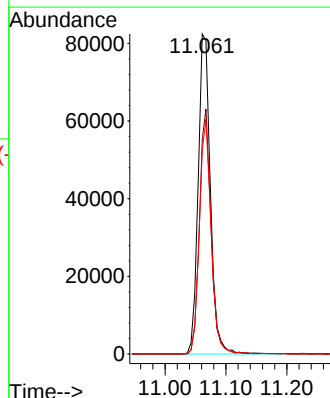
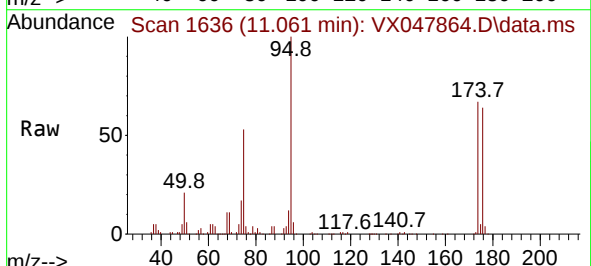
Tgt Ion: 95 Resp: 114756

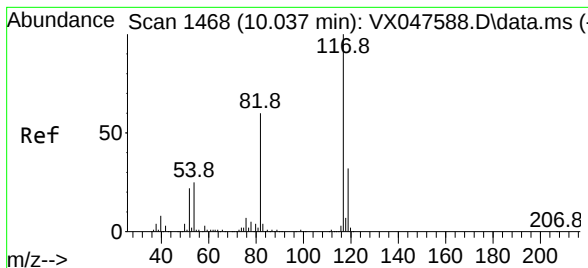
Ion Ratio Lower Upper

95 100

174 72.7 0.0 141.6

176 70.4 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: VX047864.D

Acq: 26 Sep 2025 17:13

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20250918

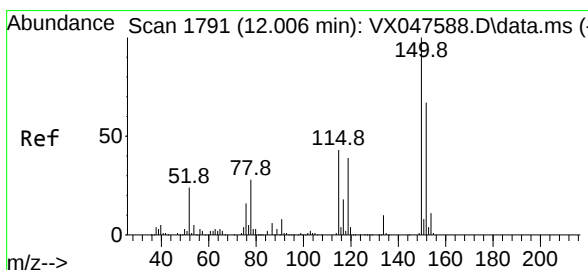
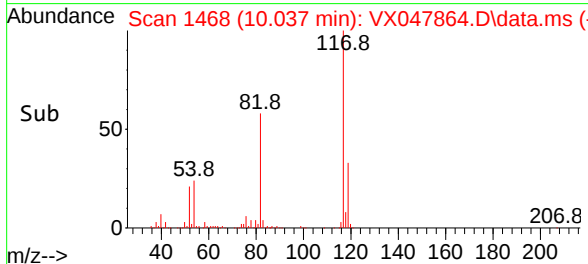
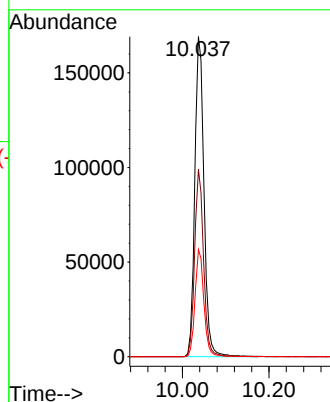
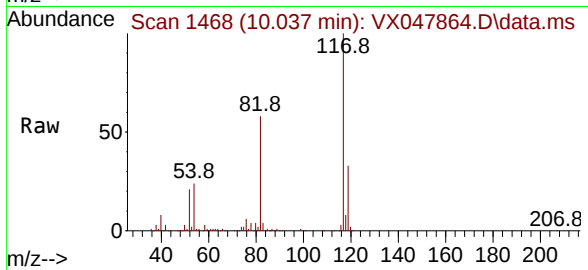
Tgt Ion:117 Resp: 248755

Ion Ratio Lower Upper

117 100

82 58.5 47.8 71.6

119 33.5 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047864.D

Acq: 26 Sep 2025 17:13

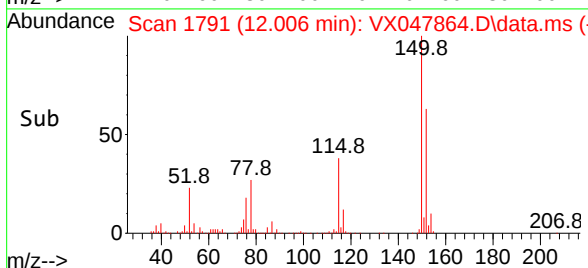
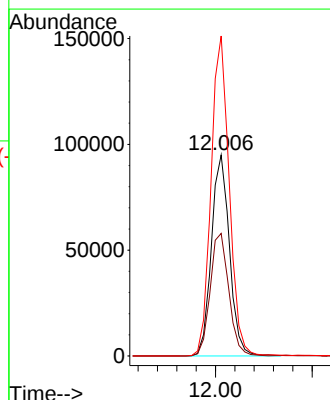
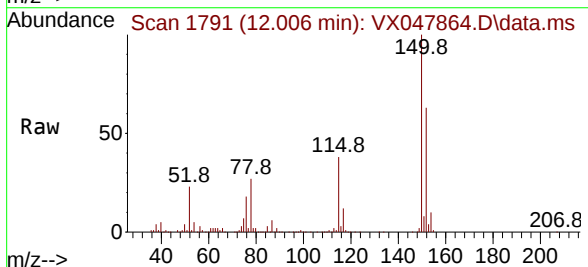
Tgt Ion:152 Resp: 123332

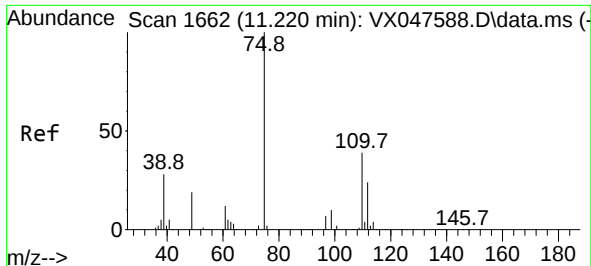
Ion Ratio Lower Upper

152 100

115 62.8 44.9 134.5

150 160.0 0.0 352.0

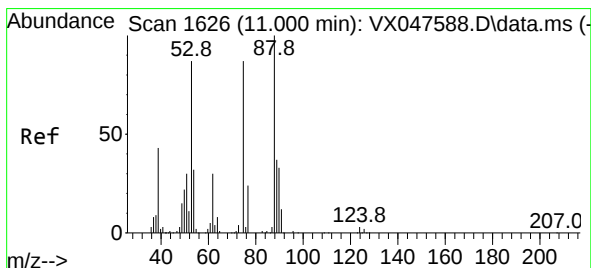
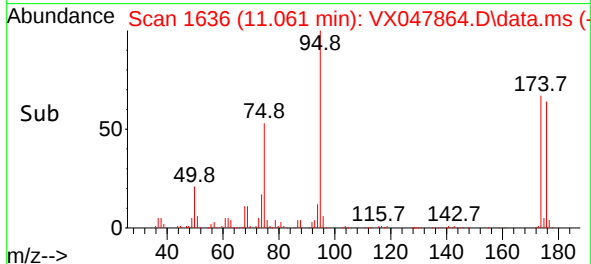
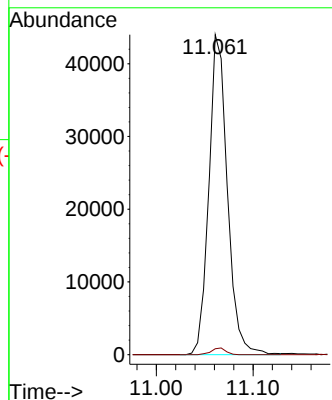
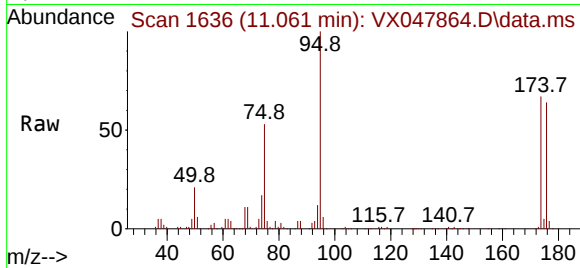




#76
1,2,3-Trichloropropane
Concen: 23.509 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250918

Tgt Ion: 75 Resp: 58704
Ion Ratio Lower Upper
75 100
77 1.7 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.951 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047864.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 75 Resp: 58704
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

