

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047834.D
 Acq On : 26 Sep 2025 05:16
 Operator : JC/MD
 Sample : Q3156-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT189D2-20250918

Quant Time: Sep 26 06:56:02 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)

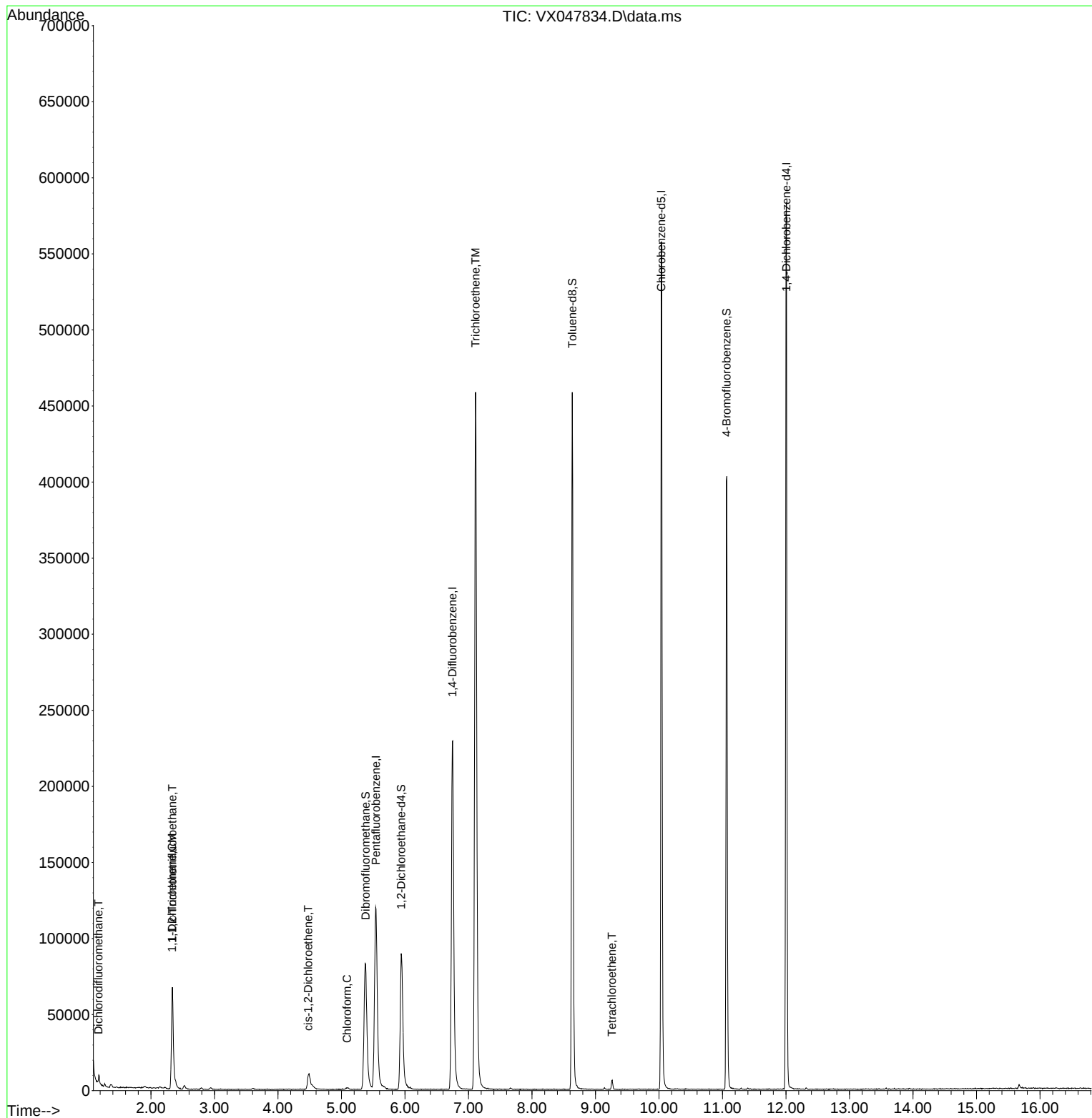
Internal Standards						
1) Pentafluorobenzene	5.544	168	120109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	251769	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	256491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	124851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	97912	51.214	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.420%	
35) Dibromofluoromethane	5.379	113	81445	48.235	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.480%	
50) Toluene-d8	8.635	98	281454	48.173	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.340%	
62) 4-Bromofluorobenzene	11.061	95	118628	53.500	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	1034	0.831	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	29199	21.018	ug/l	99
12) 1,1-Dichloroethene	2.331	96	2567	1.799	ug/l	87
27) cis-1,2-Dichloroethene	4.477	96	7845	4.169	ug/l	88
30) Chloroform	5.087	83	1429	0.466	ug/l	92
44) Trichloroethene	7.111	130	191140	105.501	ug/l	98
64) Tetrachloroethene	9.257	164	1218	0.728	ug/l	88

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

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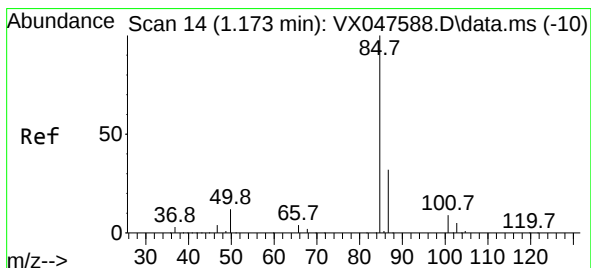
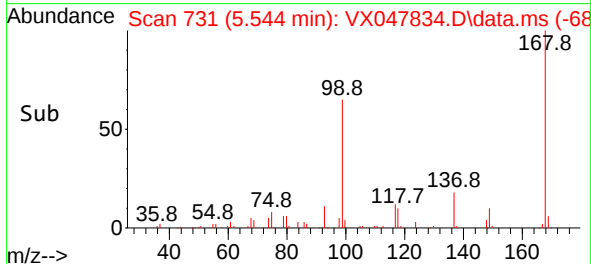
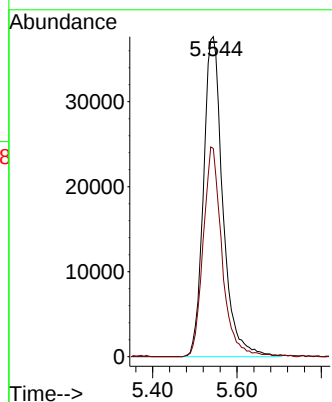
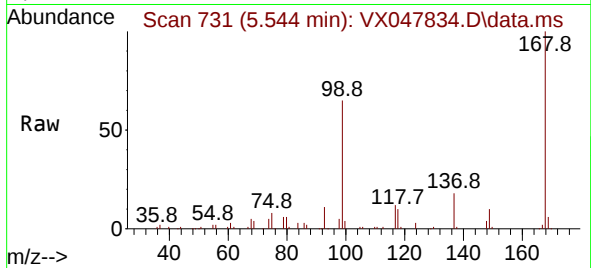




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

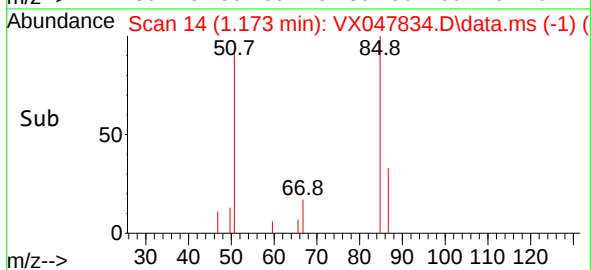
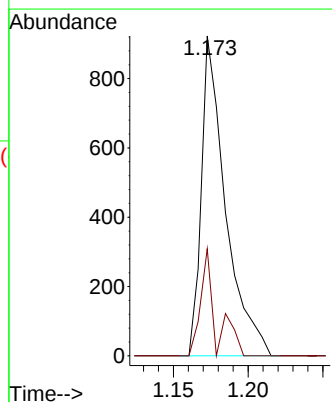
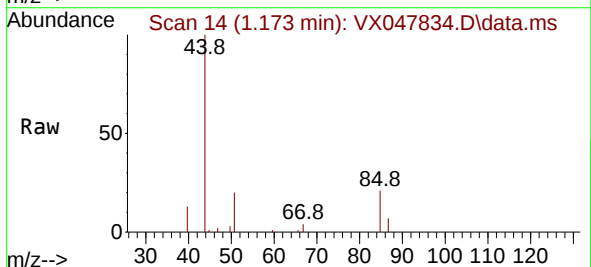
Instrument : MSVOA_X
ClientSampleId : TT189D2-20250918

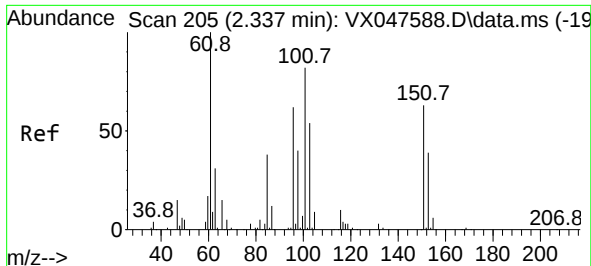
Tgt Ion:168 Resp: 120109
Ion Ratio Lower Upper
168 100
99 65.0 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.831 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

Tgt Ion: 85 Resp: 1034
Ion Ratio Lower Upper
85 100
87 33.5 15.8 47.3

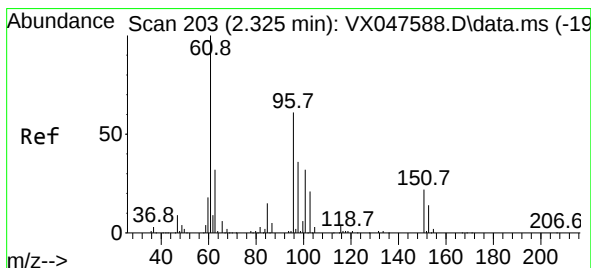
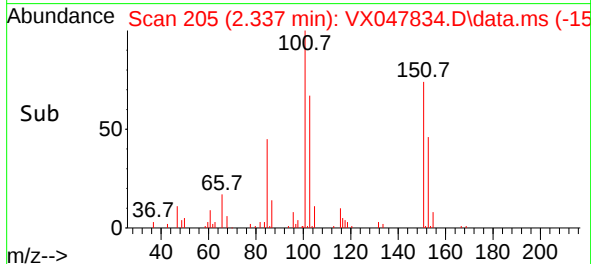
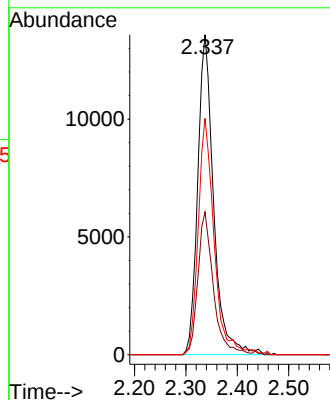
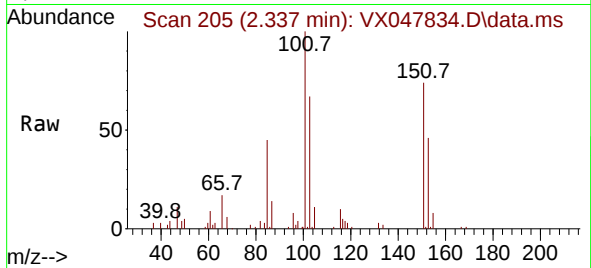




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.018 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. 0.000 min
 Lab File: VX047834.D
 Acq: 26 Sep 2025 05:16

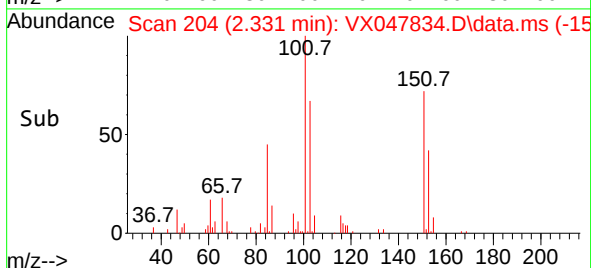
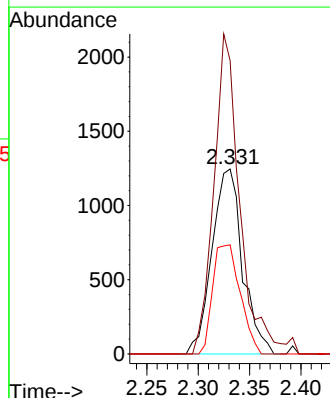
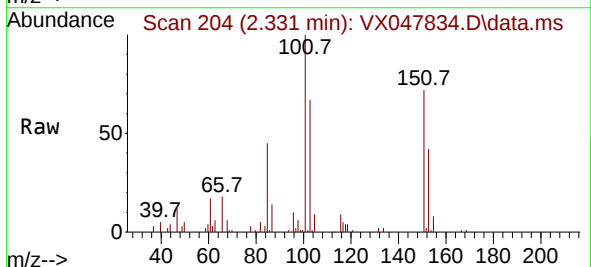
Instrument :
 MSVOA_X
 ClientSampleId :
 TT189D2-20250918

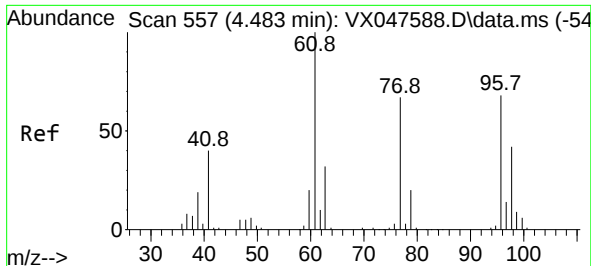
Tgt Ion:101 Resp: 29199
 Ion Ratio Lower Upper
 101 100
 85 43.5 35.5 53.3
 151 73.8 59.4 89.0



#12
 1,1-Dichloroethene
 Concen: 1.799 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX047834.D
 Acq: 26 Sep 2025 05:16

Tgt Ion: 96 Resp: 2567
 Ion Ratio Lower Upper
 96 100
 61 187.4 131.0 196.6
 98 59.0 47.7 71.5

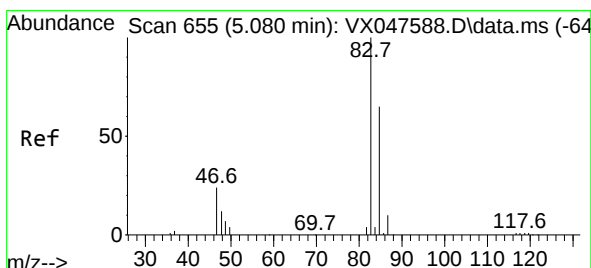
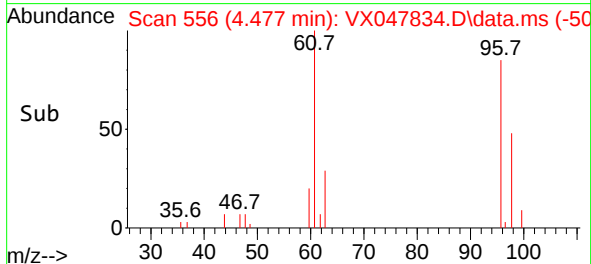
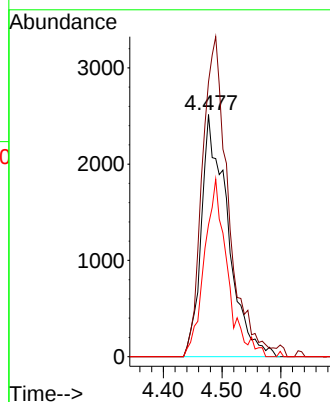
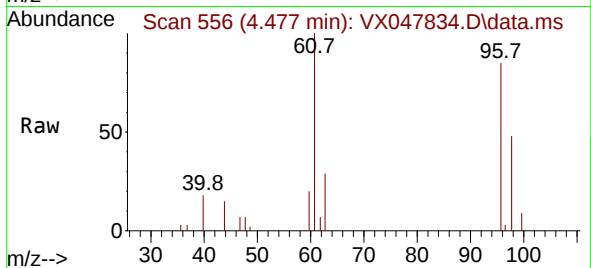




#27
cis-1,2-Dichloroethene
Concen: 4.169 ug/l
RT: 4.477 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

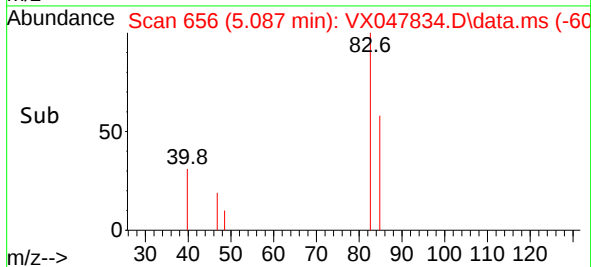
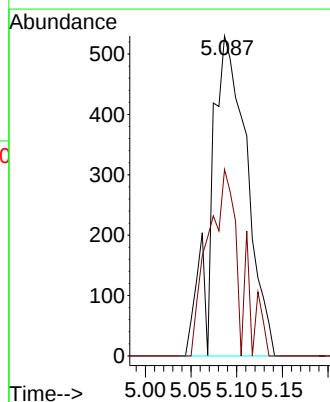
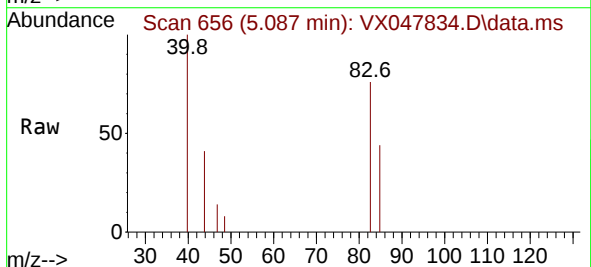
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250918

Tgt Ion: 96 Resp: 7845
Ion Ratio Lower Upper
96 100
61 130.7 0.0 303.2
98 64.0 0.0 127.8



#30
Chloroform
Concen: 0.466 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

Tgt Ion: 83 Resp: 1429
Ion Ratio Lower Upper
83 100
85 58.3 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: 51.214 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX047834.D

Acq: 26 Sep 2025 05:16

Instrument :

MSVOA_X

ClientSampleId :

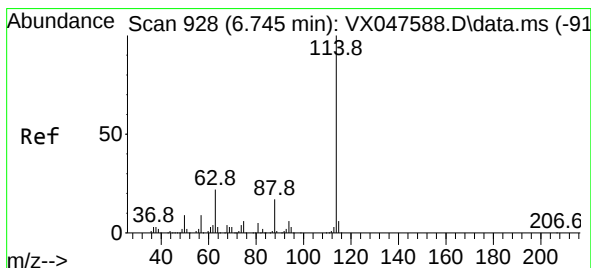
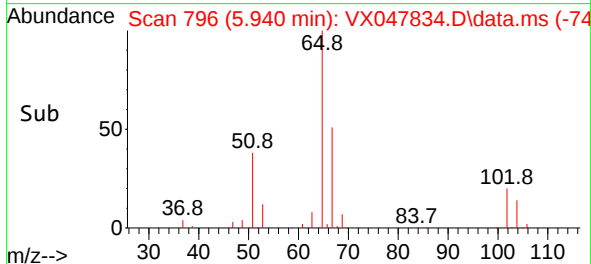
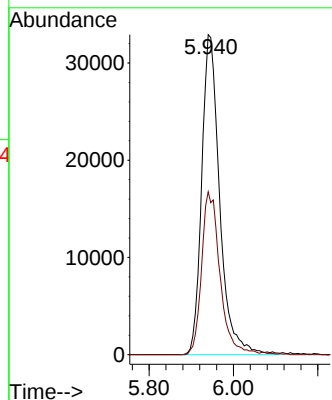
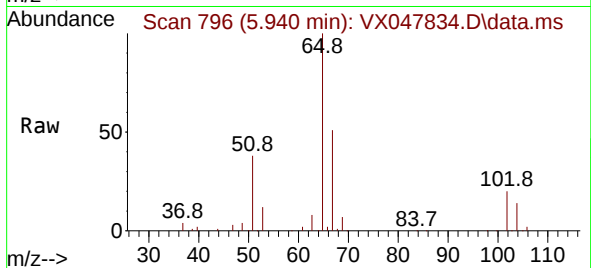
TT189D2-20250918

Tgt Ion: 65 Resp: 97912

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX047834.D

Acq: 26 Sep 2025 05:16

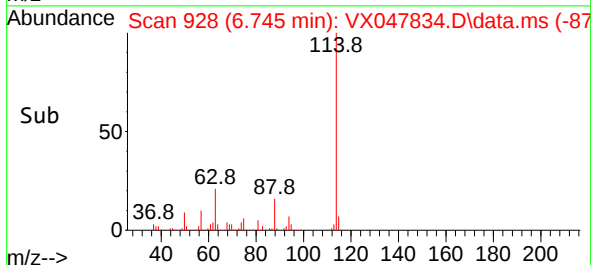
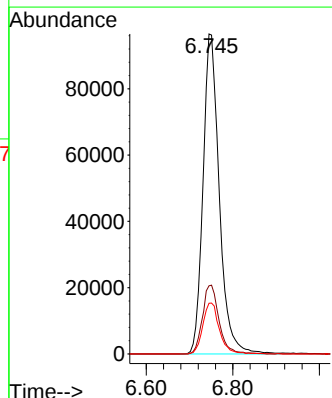
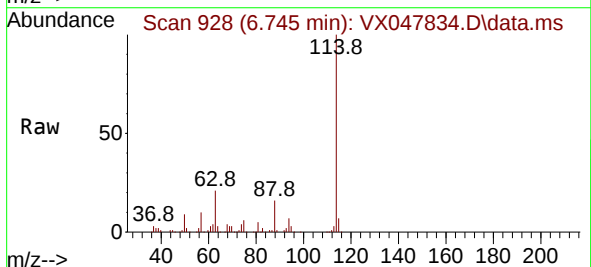
Tgt Ion: 114 Resp: 251769

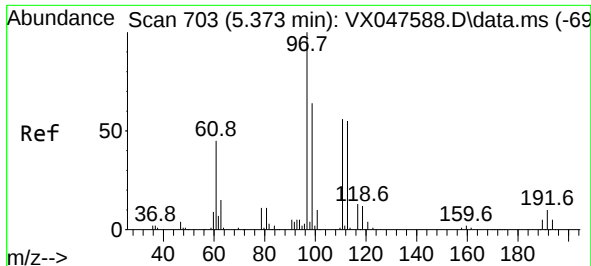
Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.0

88 15.9 0.0 34.2

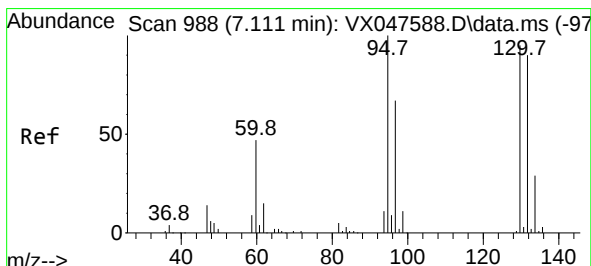
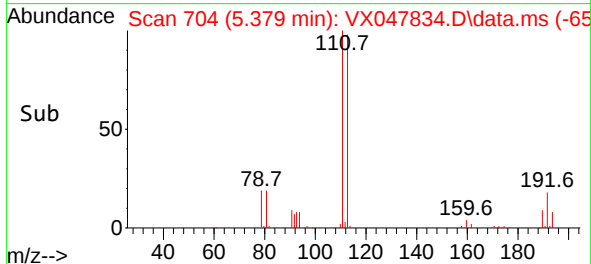
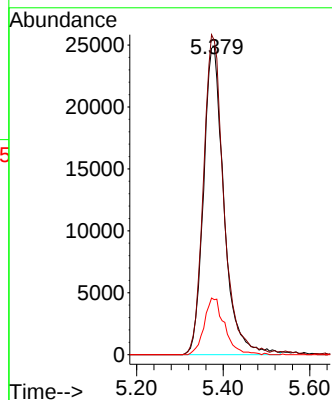
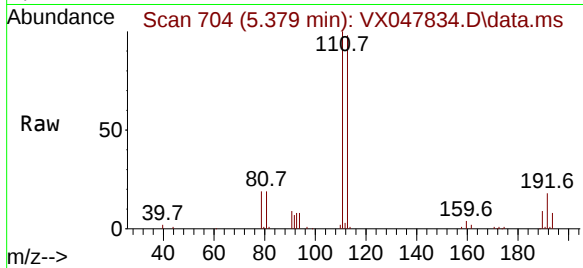




#35
Dibromofluoromethane
Concen: 48.235 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

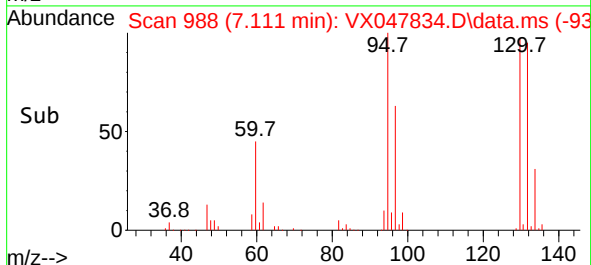
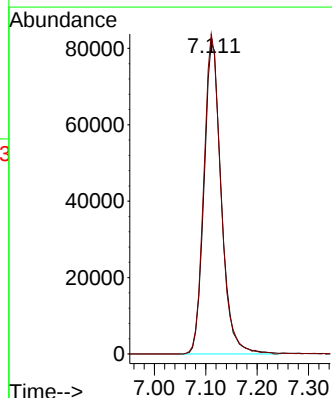
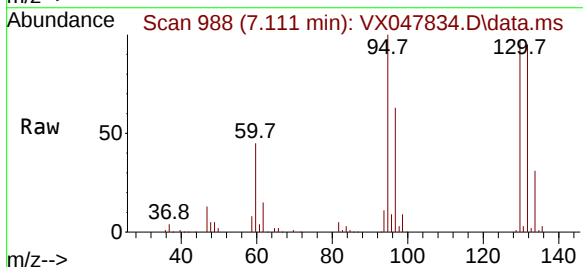
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250918

Tgt Ion:113 Resp: 81445
Ion Ratio Lower Upper
113 100
111 103.2 80.9 121.3
192 18.4 14.2 21.4



#44
Trichloroethene
Concen: 105.501 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

Tgt Ion:130 Resp: 191140
Ion Ratio Lower Upper
130 100
95 102.9 0.0 210.8

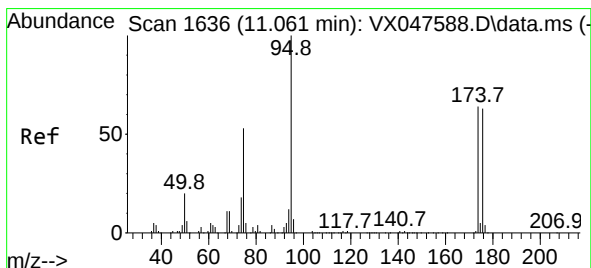
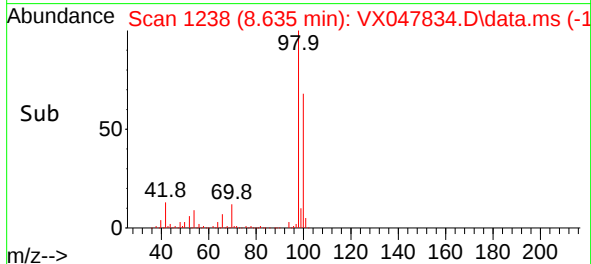
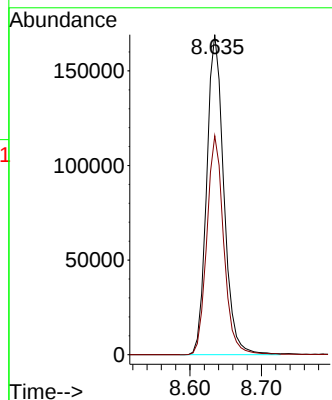
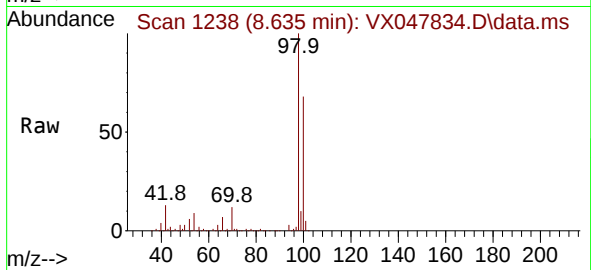




#50
Toluene-d8
Concen: 48.173 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

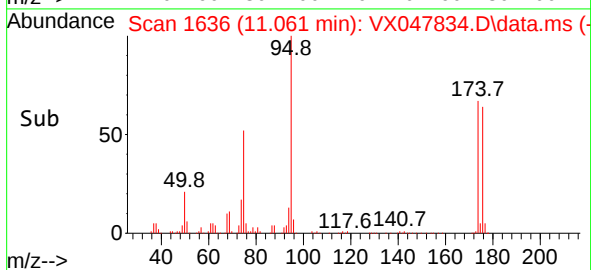
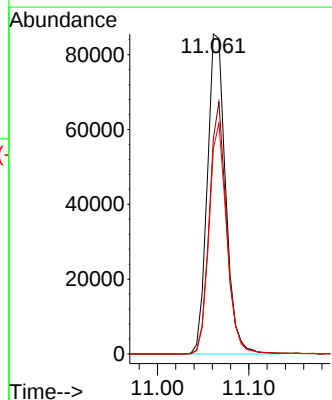
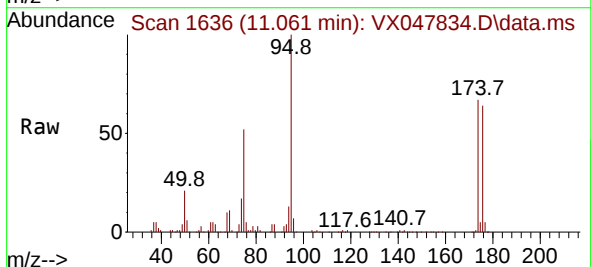
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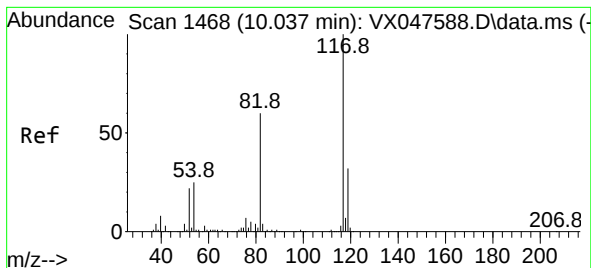
Tgt Ion: 98 Resp: 281454
Ion Ratio Lower Upper
98 100
100 67.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.500 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

Tgt Ion: 95 Resp: 118628
Ion Ratio Lower Upper
95 100
174 74.4 0.0 141.6
176 70.1 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: VX047834.D

Acq: 26 Sep 2025 05:16

Instrument :

MSVOA_X

ClientSampleId :

TT189D2-20250918

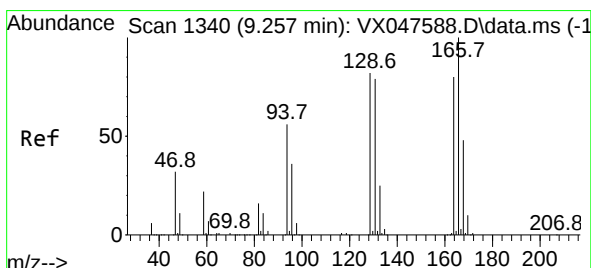
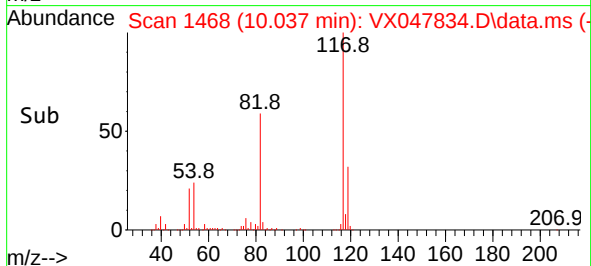
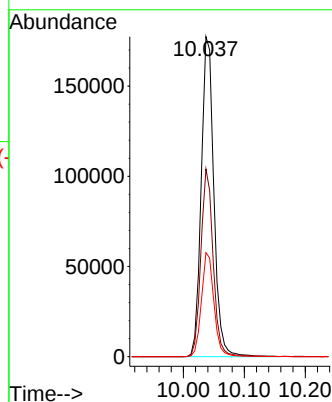
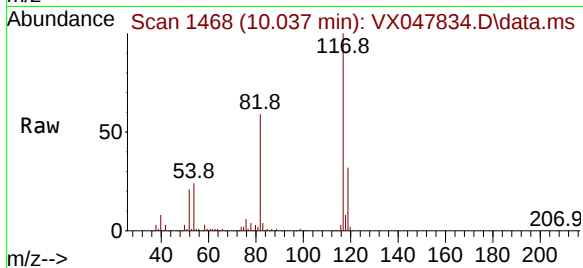
Tgt Ion:117 Resp: 256491

Ion Ratio Lower Upper

117 100

82 58.6 47.8 71.6

119 32.5 25.2 37.8



#64

Tetrachloroethene

Concen: 0.728 ug/l

RT: 9.257 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VX047834.D

Acq: 26 Sep 2025 05:16

Tgt Ion:164 Resp: 1218

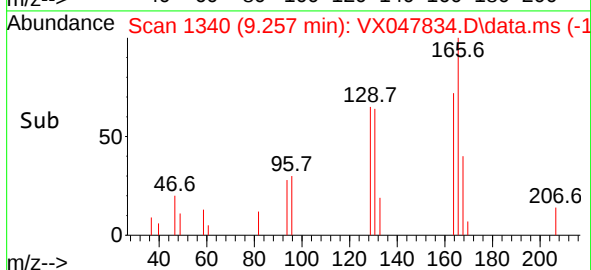
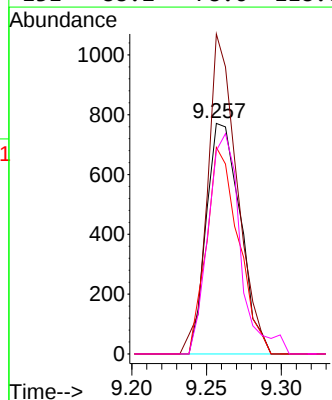
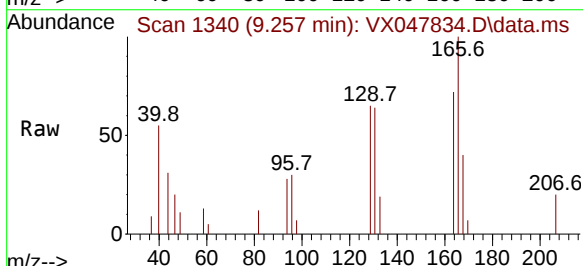
Ion Ratio Lower Upper

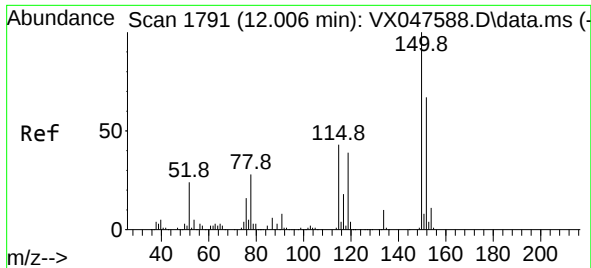
164 100

166 138.8 100.2 150.2

129 89.6 81.8 122.6

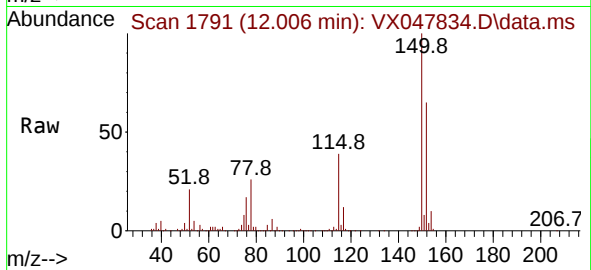
131 88.2 78.6 118.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047834.D
 Acq: 26 Sep 2025 05:16

Instrument :
 MSVOA_X
 ClientSampleId :
 TT189D2-20250918



Tgt Ion:152 Resp: 124851
 Ion Ratio Lower Upper
 152 100
 115 62.8 44.9 134.5
 150 160.0 0.0 352.0

