

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047641.D
 Acq On : 18 Sep 2025 15:22
 Operator : JC/MD
 Sample : Q3095-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D-20250909

Quant Time: Sep 22 03:37:27 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)

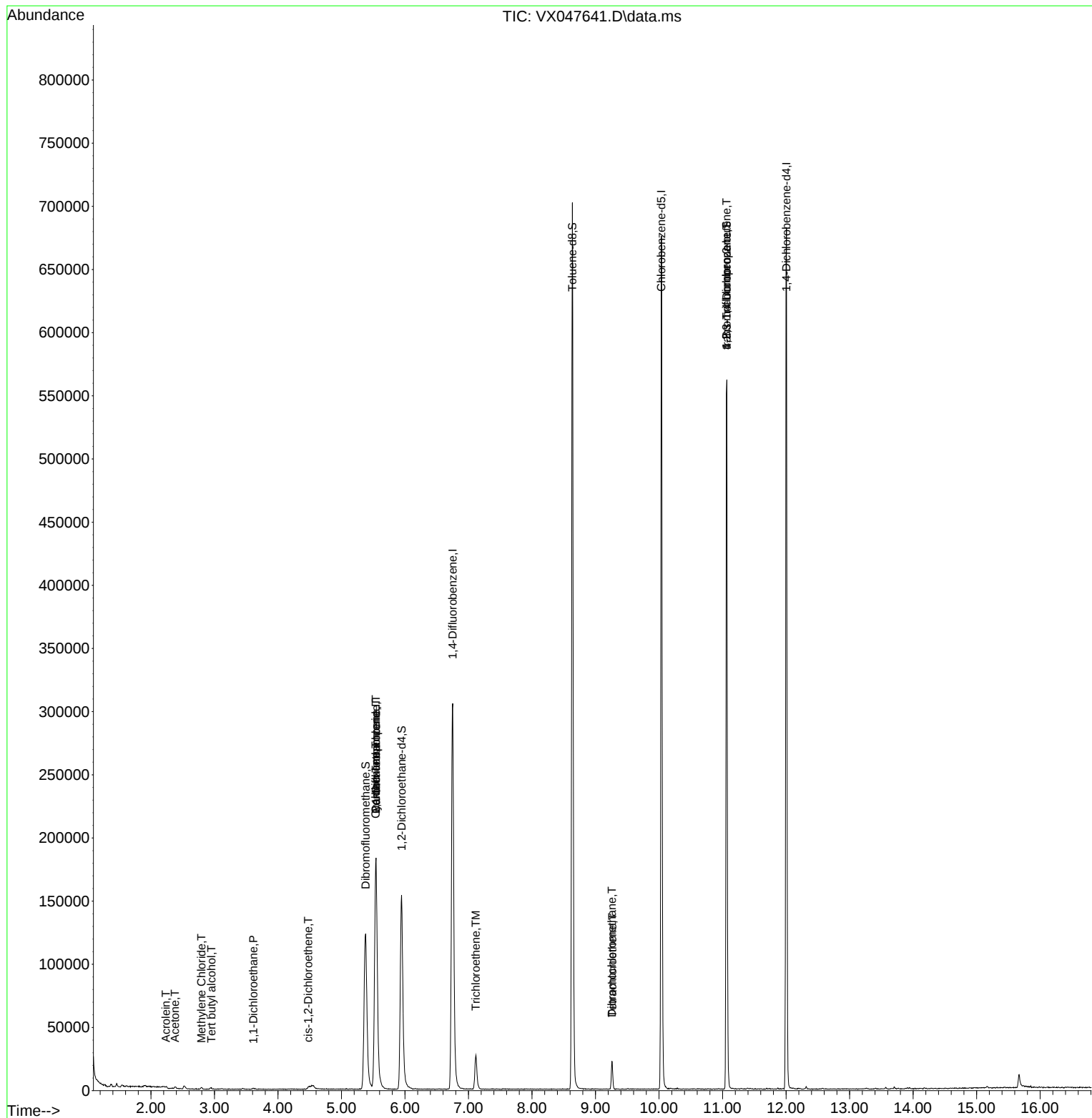
Internal Standards						
1) Pentafluorobenzene	5.544	168	185198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	333961	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	301489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	162054	54.973	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.940%	
35) Dibromofluoromethane	5.379	113	122491	54.690	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.380%	
50) Toluene-d8	8.634	98	423743	54.677	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.360%	
62) 4-Bromofluorobenzene	11.061	95	163779	55.684	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	301	0.917	ug/l #	72
13) Acrolein	2.233	56	70	0.231	ug/l #	17
16) Acetone	2.380	43	2341	1.826	ug/l #	79
20) Methylene Chloride	2.794	84	560	0.206	ug/l #	89
24) 1,1-Dichloroethane	3.611	63	1181	0.253	ug/l #	81
27) cis-1,2-Dichloroethene	4.477	96	1620	0.558	ug/l	90
31) Cyclohexane	5.537	56	3812	0.979	ug/l #	2
36) 1,1-Dichloropropene	5.544	75	16127	4.928	ug/l #	48
38) Carbon Tetrachloride	5.544	117	19429	5.464	ug/l #	18
44) Trichloroethene	7.116	130	11063	4.603	ug/l	94
60) Dibromochloromethane	9.256	129	4537	1.667	ug/l #	11
64) Tetrachloroethene	9.262	164	4258	2.166	ug/l	94
76) 1,2,3-Trichloropropane	11.061	75	82862	28.376	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	82862	72.364	ug/l #	8

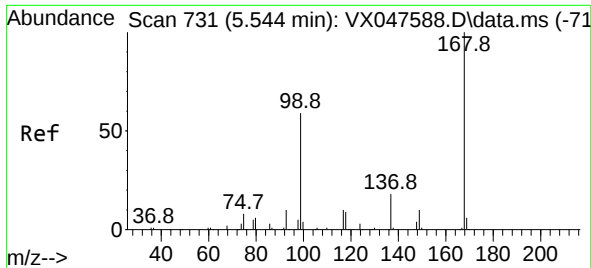
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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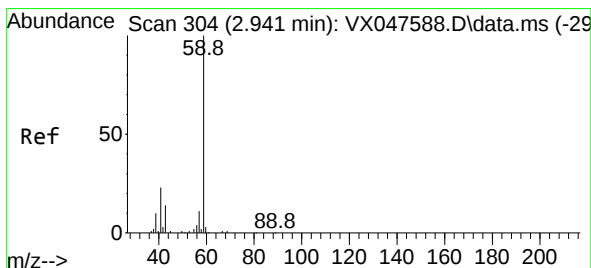
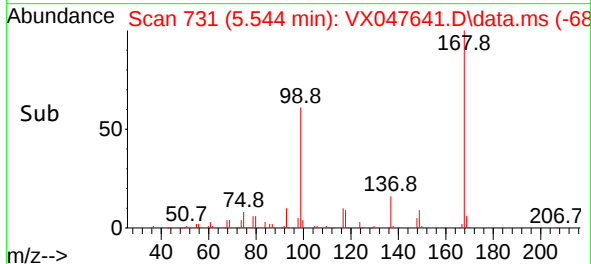
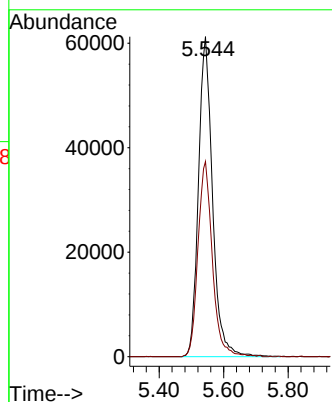
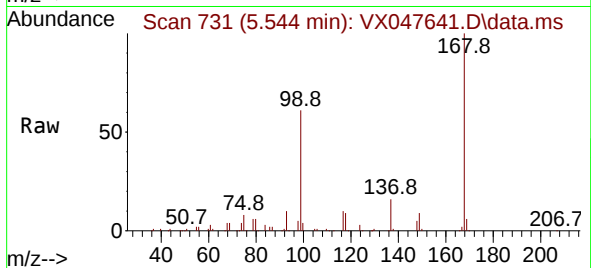




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

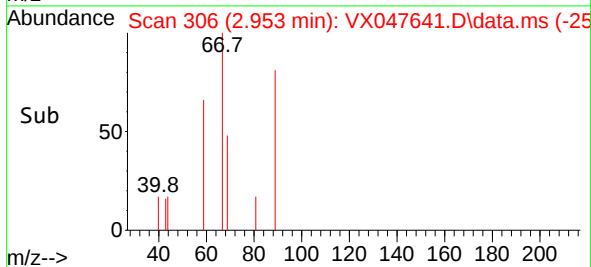
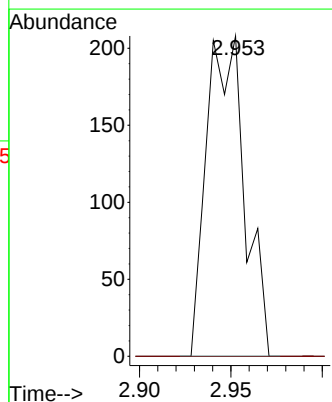
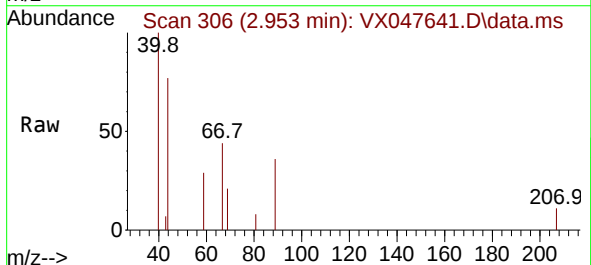
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

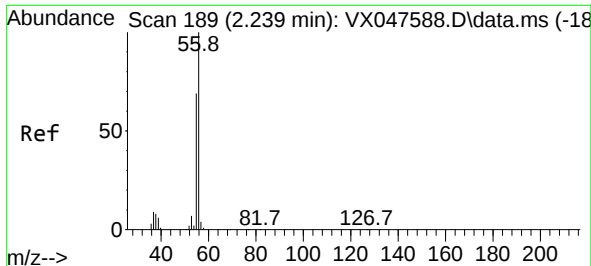
Tgt Ion:168 Resp: 185198
Ion Ratio Lower Upper
168 100
99 61.0 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.917 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Tgt Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

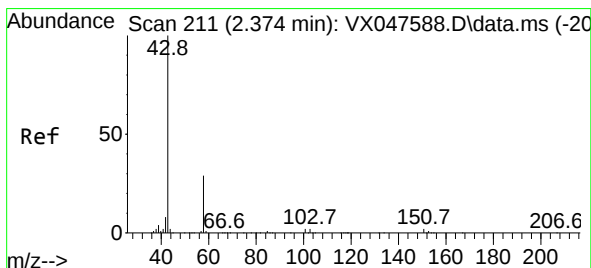
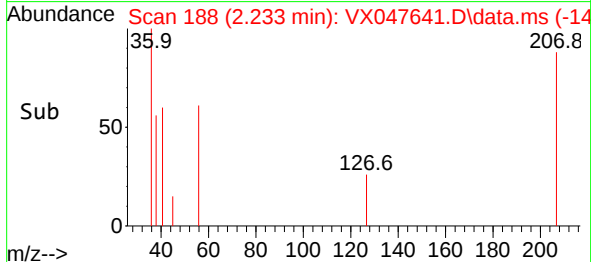
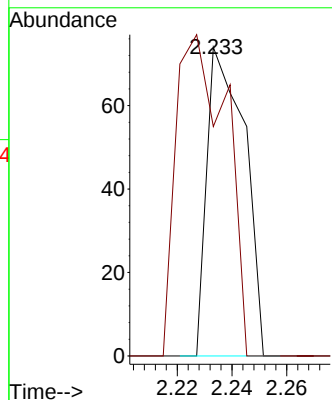
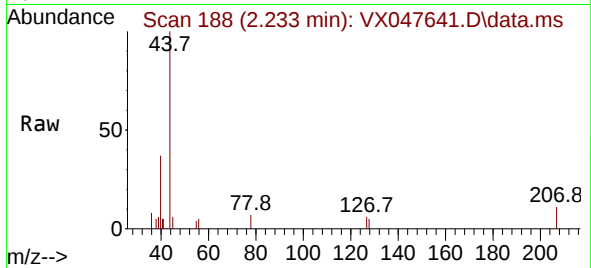




#13
Acrolein
Concen: 0.231 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

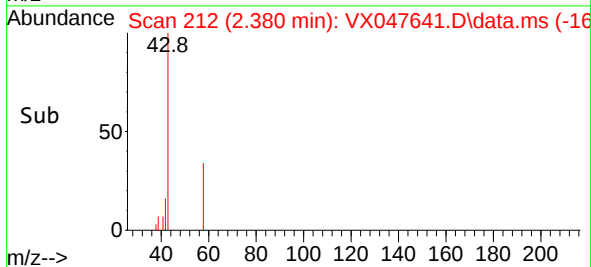
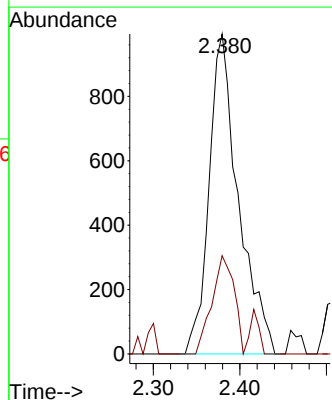
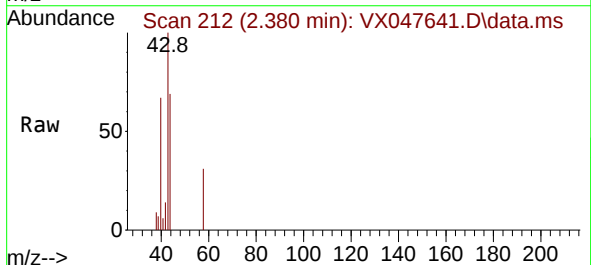
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

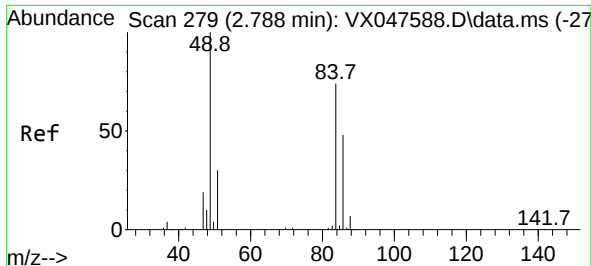
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 140.0 57.2 85.8#



#16
Acetone
Concen: 1.826 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Tgt Ion: 43 Resp: 2341
Ion Ratio Lower Upper
43 100
58 18.2 23.4 35.0#

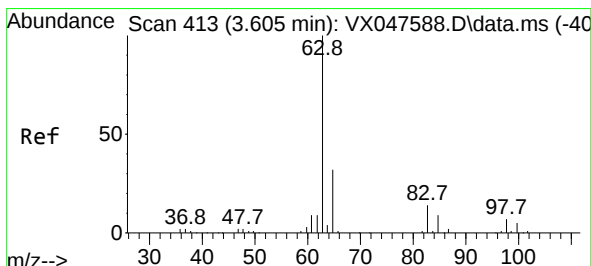
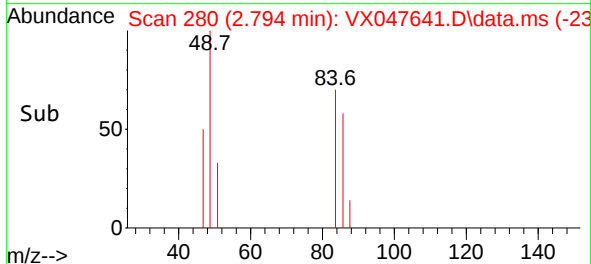
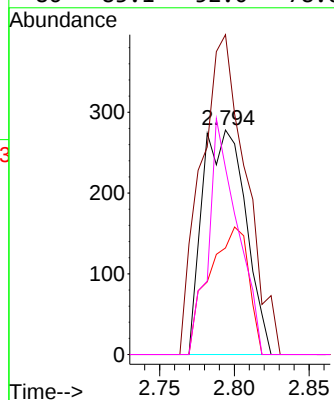
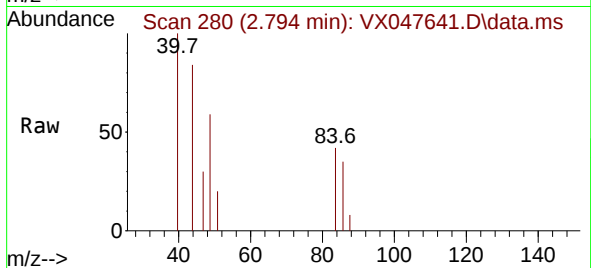




#20
Methylene Chloride
Concen: 0.206 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

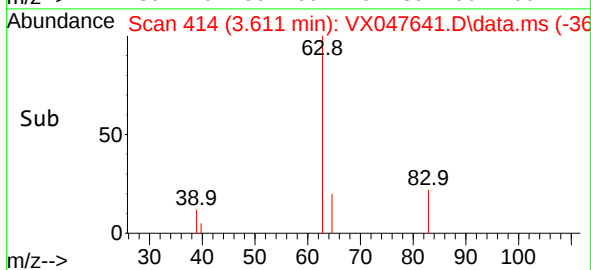
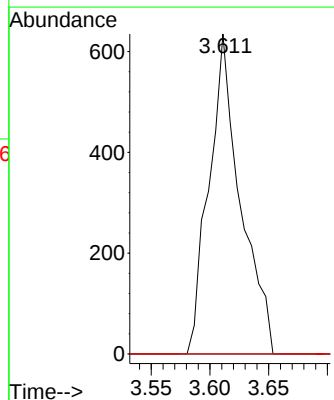
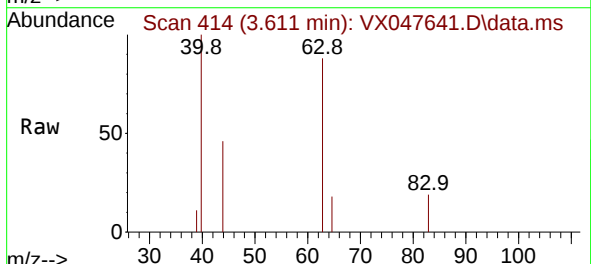
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

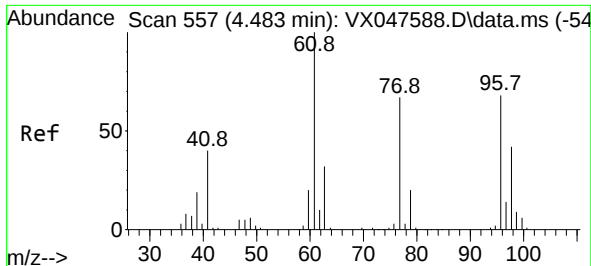
Tgt Ion:	84	Resp:	560
Ion	Ratio	Lower	Upper
84	100		
49	142.4	108.6	162.8
51	47.5	32.6	48.8
86	83.1	52.0	78.0#



#24
1,1-Dichloroethane
Concen: 0.253 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Tgt Ion:	63	Resp:	1181
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.3	6.9#





#27

cis-1,2-Dichloroethene

Concen: 0.558 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX047641.D

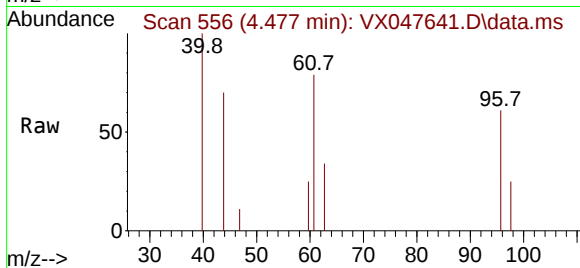
Acq: 18 Sep 2025 15:22

Instrument :

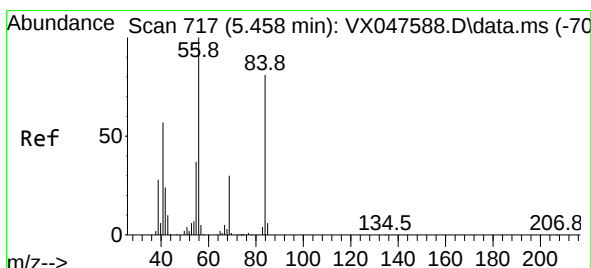
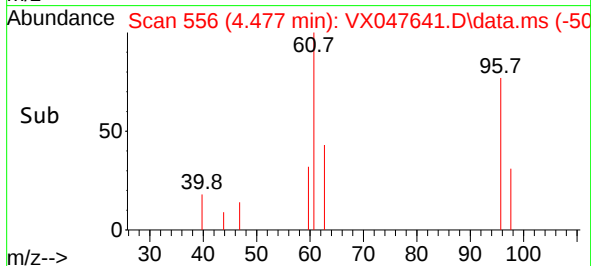
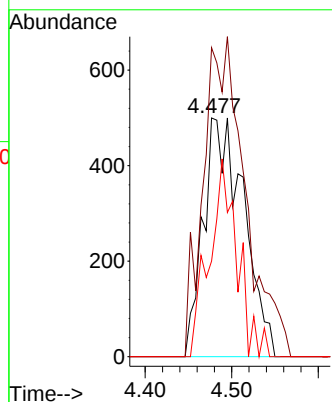
MSVOA_X

ClientSampleId :

MW202D-20250909



Tgt Ion:	96	Resp:	1620
Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	303.2
98	56.9	0.0	127.8



#31

Cyclohexane

Concen: 0.979 ug/l

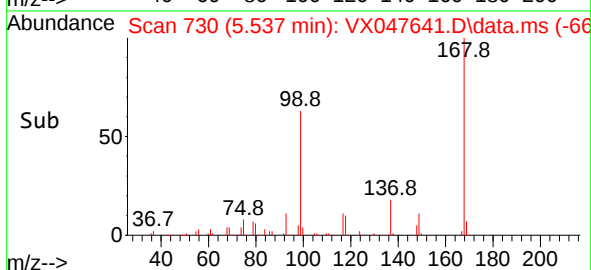
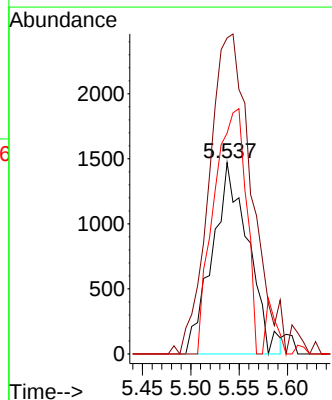
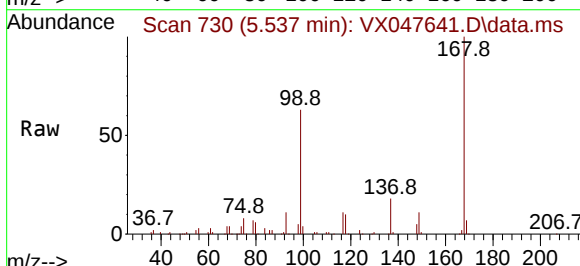
RT: 5.537 min Scan# 730

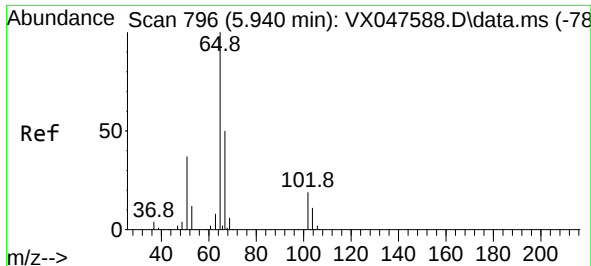
Delta R.T. 0.079 min

Lab File: VX047641.D

Acq: 18 Sep 2025 15:22

Tgt Ion:	56	Resp:	3812
Ion	Ratio	Lower	Upper
56	100		
69	168.7	23.8	35.8#
84	115.4	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 54.973 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047641.D

Acq: 18 Sep 2025 15:22

Instrument :

MSVOA_X

ClientSampleId :

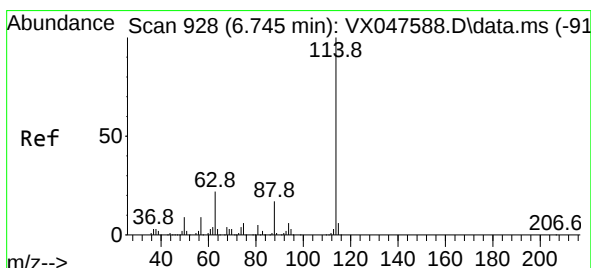
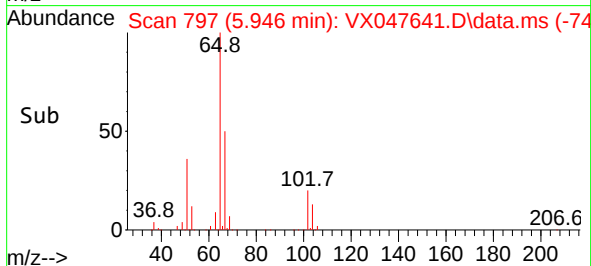
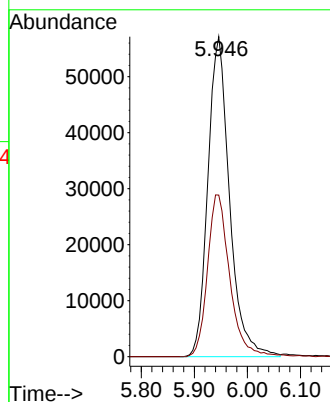
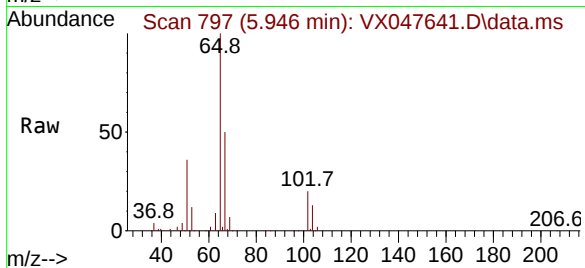
MW202D-20250909

Tgt Ion: 65 Resp: 162054

Ion Ratio Lower Upper

65 100

67 52.0 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: VX047641.D

Acq: 18 Sep 2025 15:22

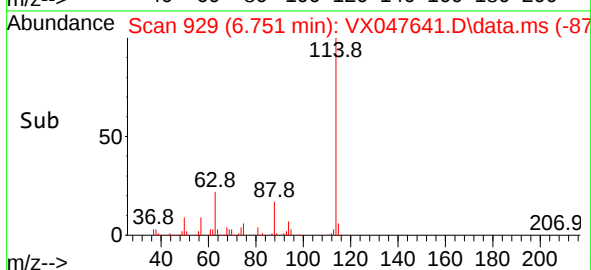
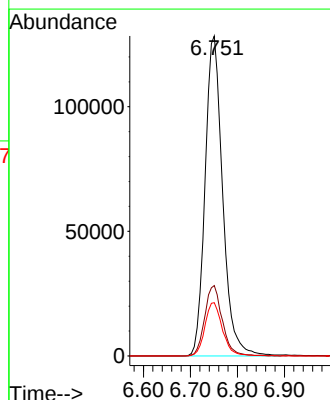
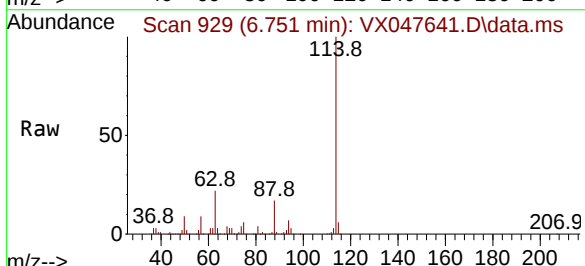
Tgt Ion: 114 Resp: 333961

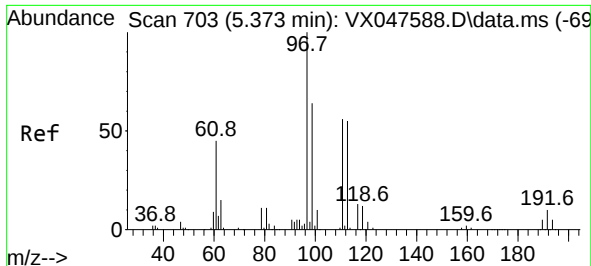
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 16.7 0.0 34.2

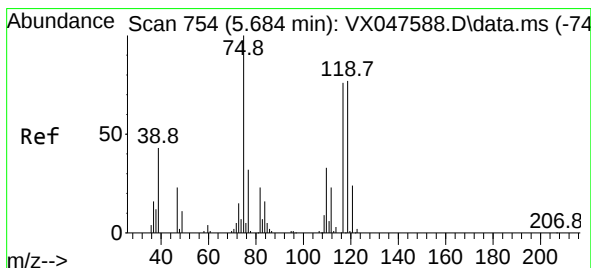
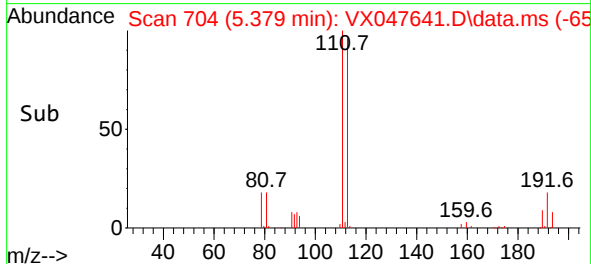
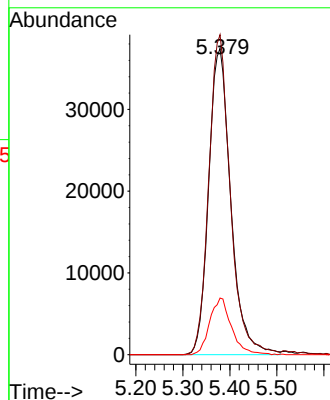
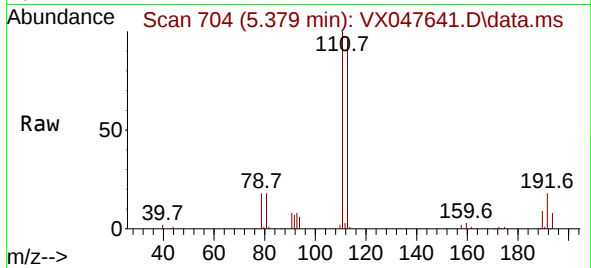




#35
Dibromofluoromethane
Concen: 54.690 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

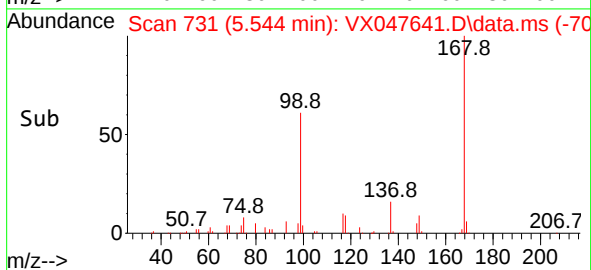
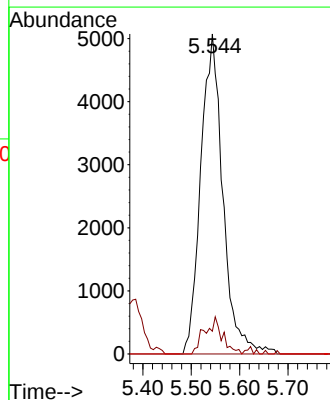
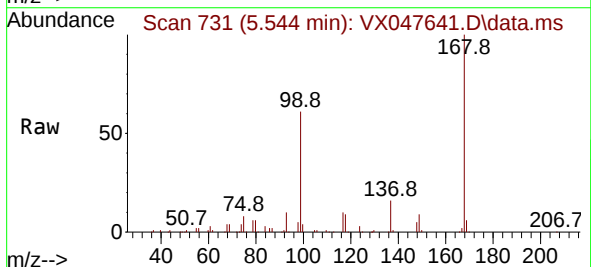
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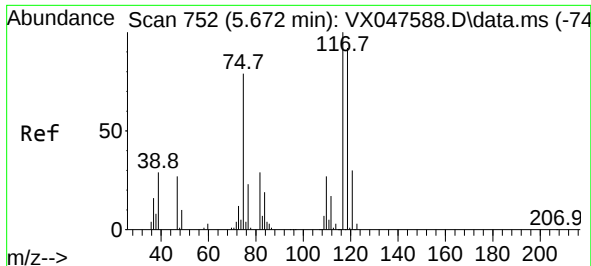
Tgt Ion:113 Resp: 122491
Ion Ratio Lower Upper
113 100
111 101.6 80.9 121.3
192 18.2 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.928 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

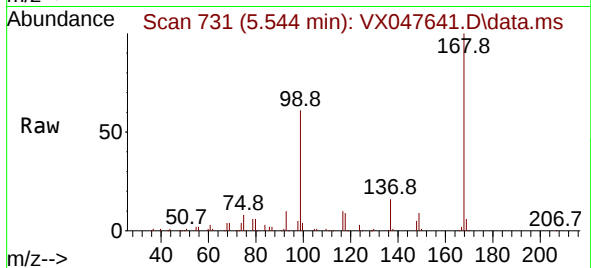
Tgt Ion: 75 Resp: 16127
Ion Ratio Lower Upper
75 100
110 6.3 16.7 50.1#
77 0.0 24.3 36.5#



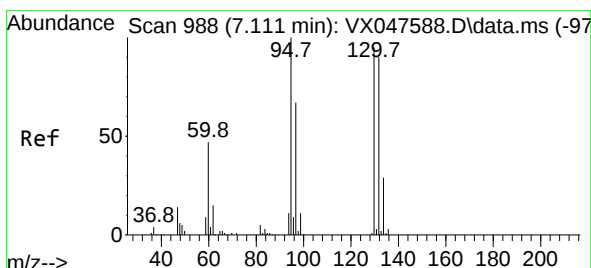
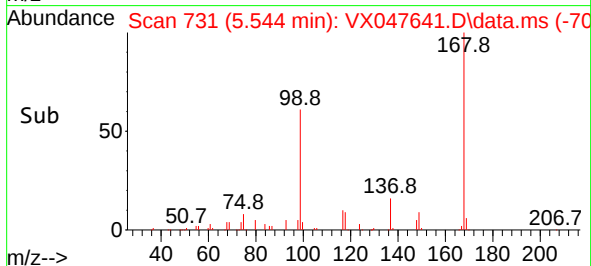
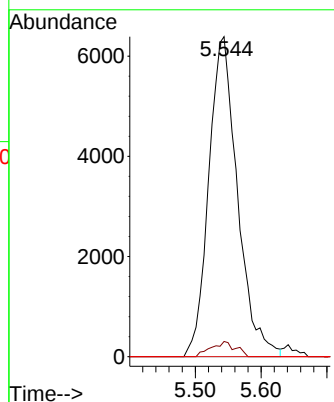


#38
Carbon Tetrachloride
Concen: 5.464 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

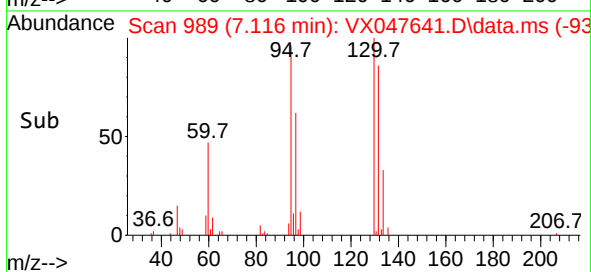
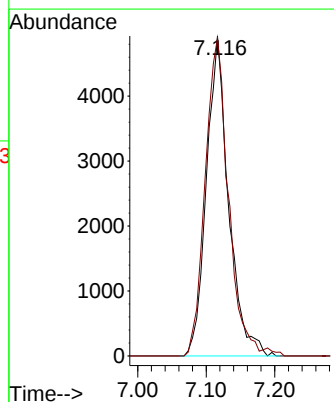
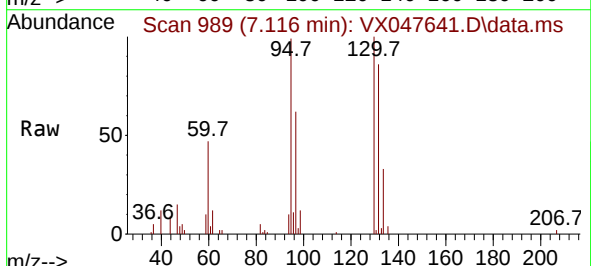


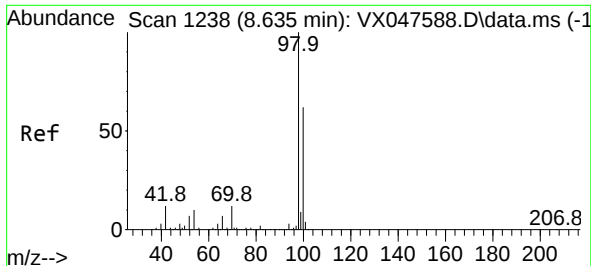
Tgt Ion:117 Resp: 19429
Ion Ratio Lower Upper
117 100
119 4.8 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 4.603 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Tgt Ion:130 Resp: 11063
Ion Ratio Lower Upper
130 100
95 99.4 0.0 210.8

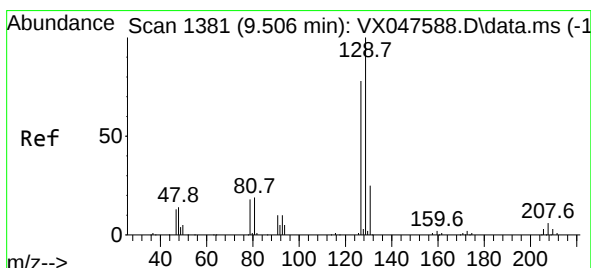
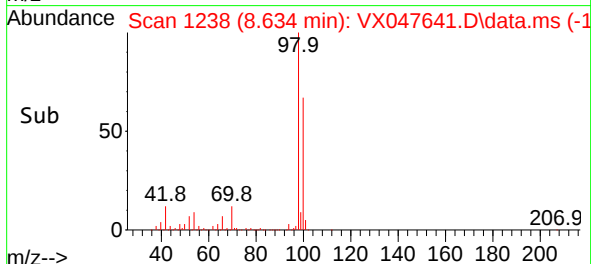
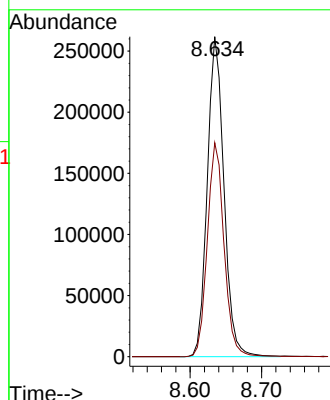
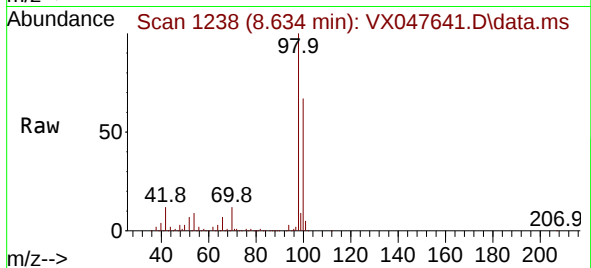




#50
Toluene-d8
Concen: 54.677 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

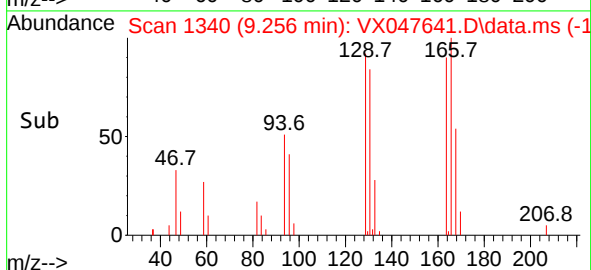
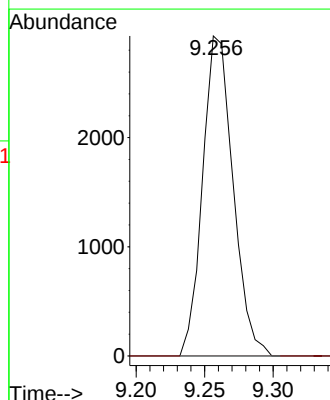
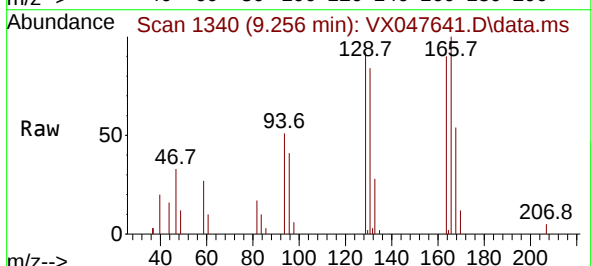
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

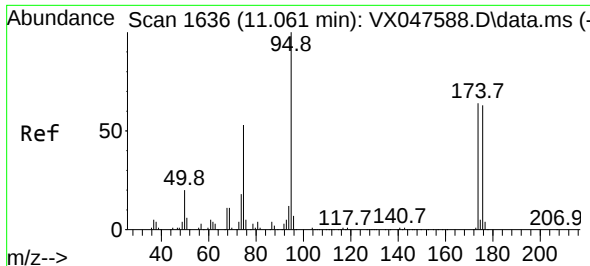
Tgt Ion: 98 Resp: 423743
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.4



#60
Dibromochloromethane
Concen: 1.667 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Tgt Ion:129 Resp: 4537
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

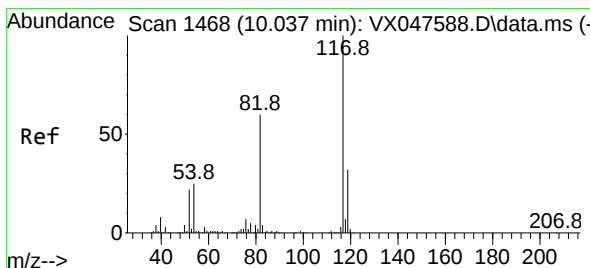
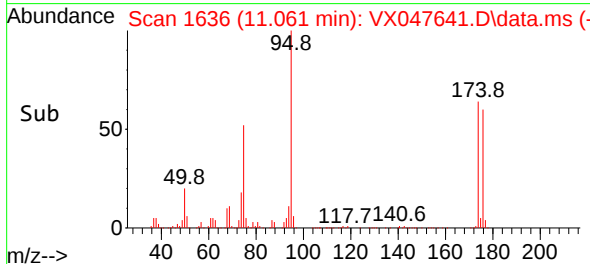
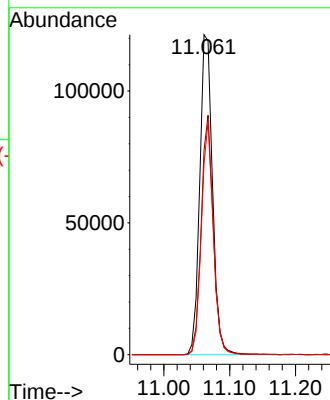
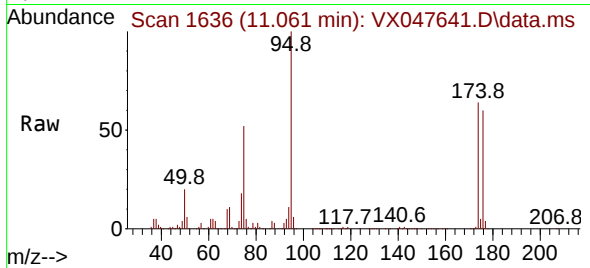




#62
4-Bromofluorobenzene
Concen: 55.684 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

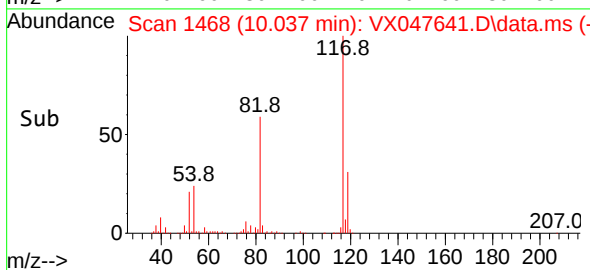
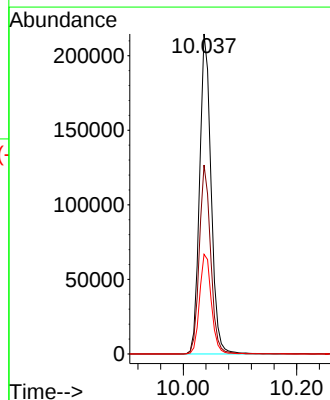
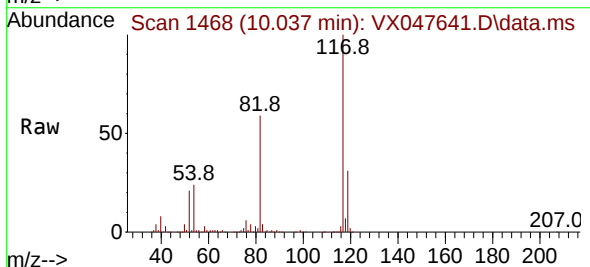
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

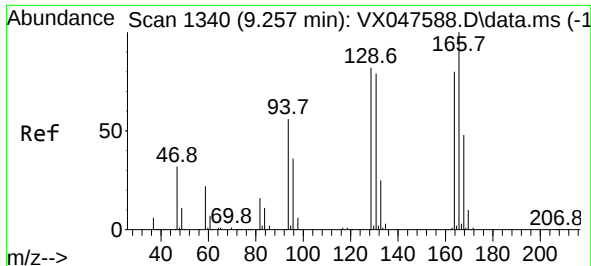
Tgt Ion: 95 Resp: 163779
Ion Ratio Lower Upper
95 100
174 70.8 0.0 141.6
176 67.7 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Tgt Ion: 117 Resp: 301489
Ion Ratio Lower Upper
117 100
82 59.0 47.8 71.6
119 31.2 25.2 37.8

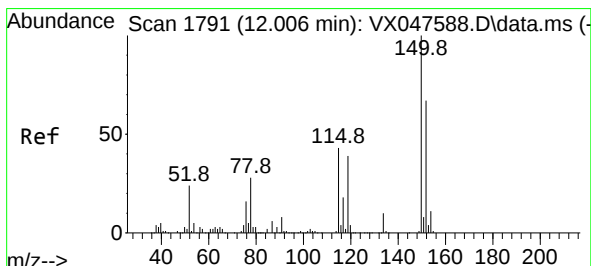
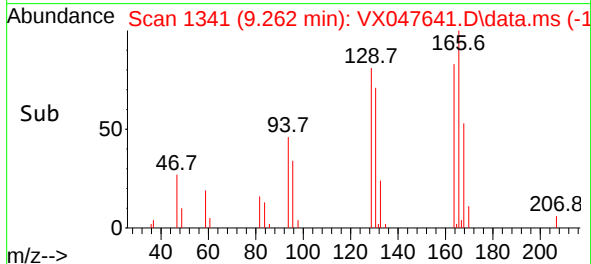
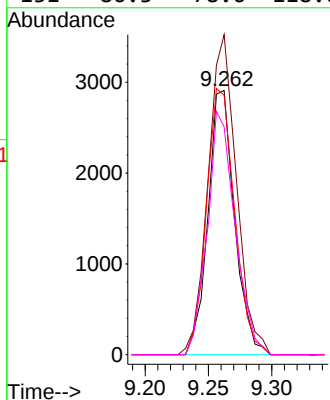
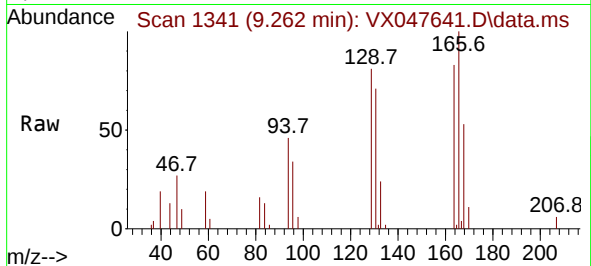




#64
Tetrachloroethene
Concen: 2.166 ug/l
RT: 9.262 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

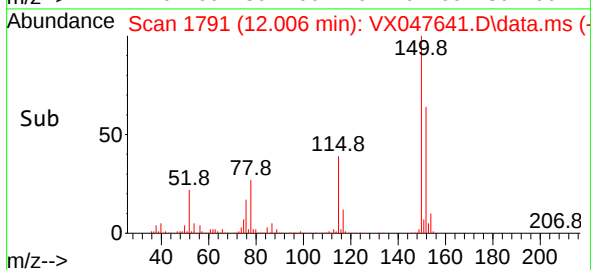
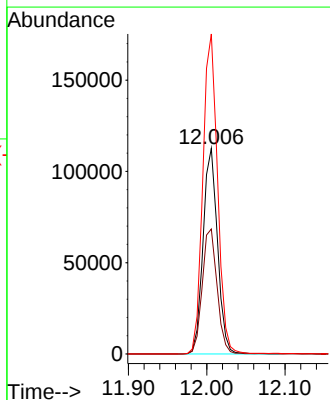
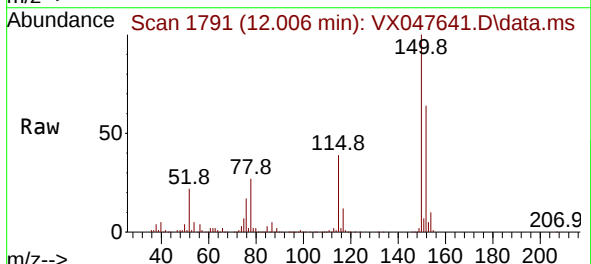
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

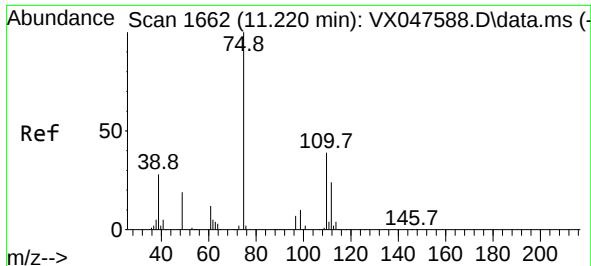
Tgt Ion:164	Resp:	4258	
Ion	Ratio	Lower	Upper
164	100		
166	121.1	100.2	150.2
129	98.2	81.8	122.6
131	86.3	78.6	118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Tgt Ion:152	Resp:	144225	
Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.9	134.5
150	158.5	0.0	352.0

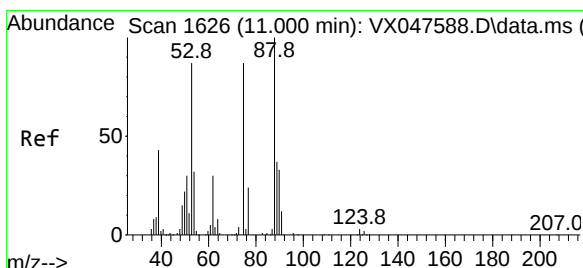
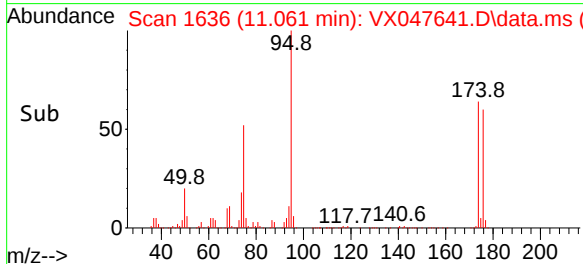
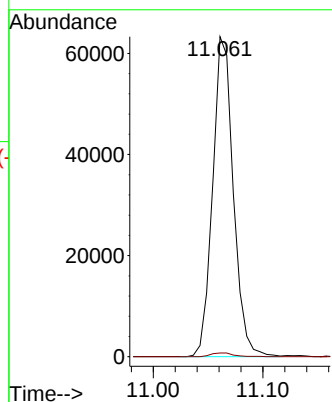
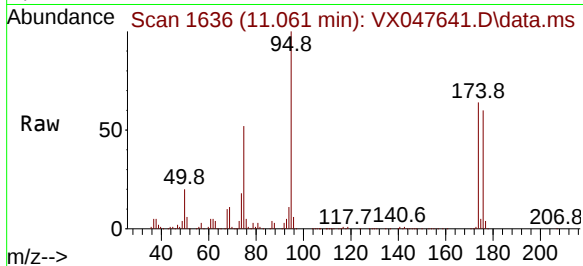




#76
1,2,3-Trichloropropane
Concen: 28.376 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

Tgt Ion: 75 Resp: 82862
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.364 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Tgt Ion: 75 Resp: 82862
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

