

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047626.D
 Acq On : 17 Sep 2025 17:58
 Operator : JC/MD
 Sample : Q3095-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D2-20250909

Quant Time: Sep 22 03:11:34 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)

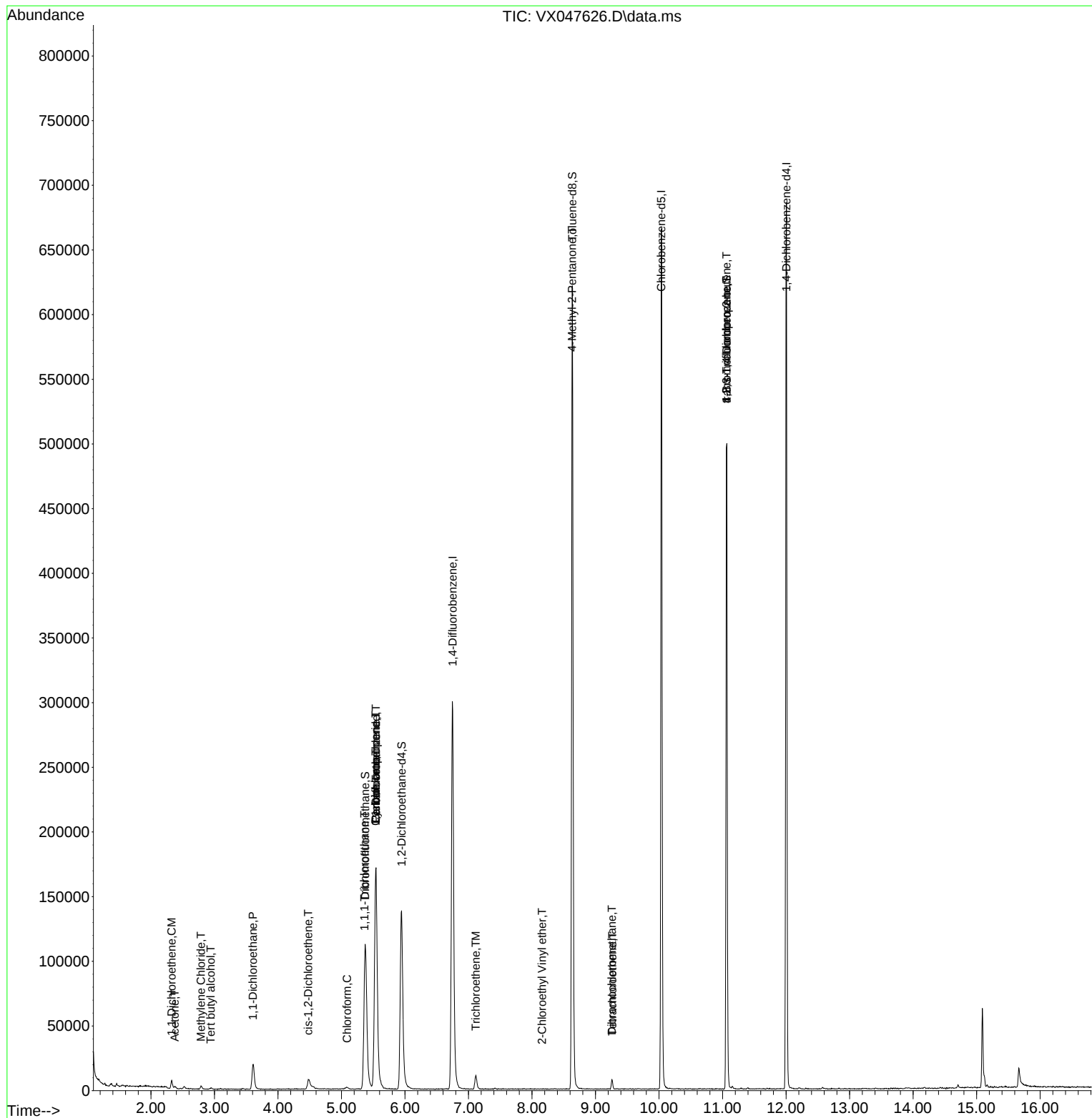
Internal Standards						
1) Pentafluorobenzene	5.544	168	171023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	322993	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	293629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	149755	55.011	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.020%	
35) Dibromofluoromethane	5.373	113	111052	51.267	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.540%	
50) Toluene-d8	8.635	98	379589	50.643	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.280%	
62) 4-Bromofluorobenzene	11.061	95	147498	51.851	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	231	0.762	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	2365	1.164	ug/l	79
16) Acetone	2.374	43	2432	2.055	ug/l #	71
20) Methylene Chloride	2.788	84	975	0.389	ug/l #	90
24) 1,1-Dichloroethane	3.605	63	25235	5.843	ug/l	94
27) cis-1,2-Dichloroethene	4.477	96	5410	2.019	ug/l	89
30) Chloroform	5.086	83	2003	0.459	ug/l	91
31) Cyclohexane	5.538	56	4078	1.134	ug/l #	1
32) 1,1,1-Trichloroethane	5.361	97	1291	0.349	ug/l #	47
36) 1,1-Dichloropropene	5.538	75	14855	4.693	ug/l #	52
38) Carbon Tetrachloride	5.544	117	18346	5.334	ug/l #	16
44) Trichloroethene	7.117	130	4409	1.897	ug/l	84
51) 4-Methyl-2-Pentanone	8.629	43	1845	0.599	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.159	63	108	7.956	ug/l #	47
60) Dibromochloromethane	9.256	129	1609	0.611	ug/l #	11
64) Tetrachloroethene	9.263	164	1492	0.779	ug/l #	86
76) 1,2,3-Trichloropropane	11.061	75	76672	26.748	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	76672	68.212	ug/l #	8

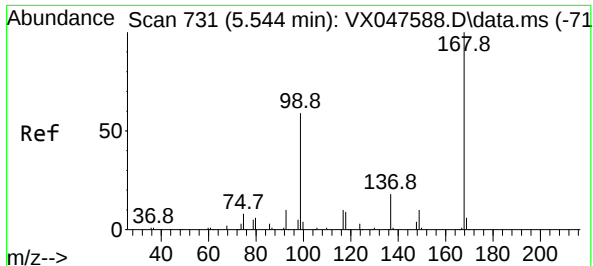
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Sep 22 03:11:34 2025
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Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

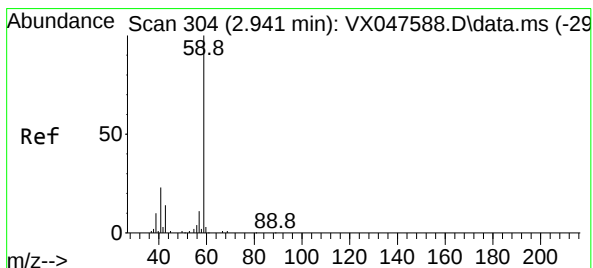
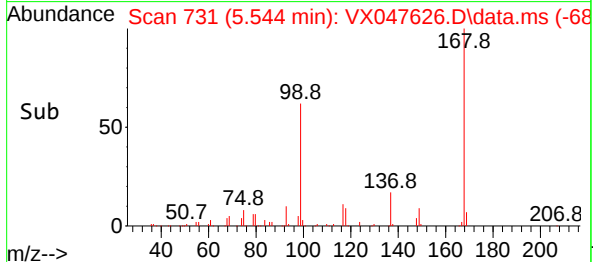
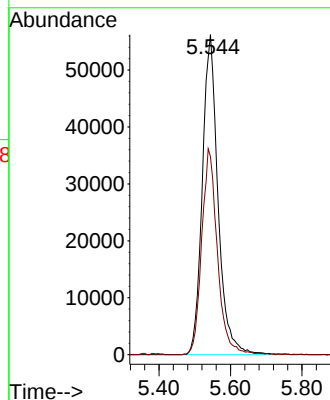
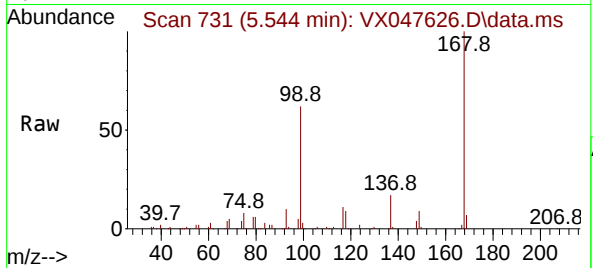




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

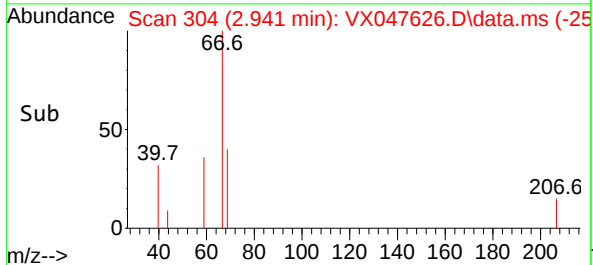
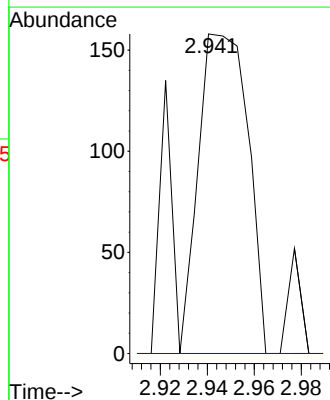
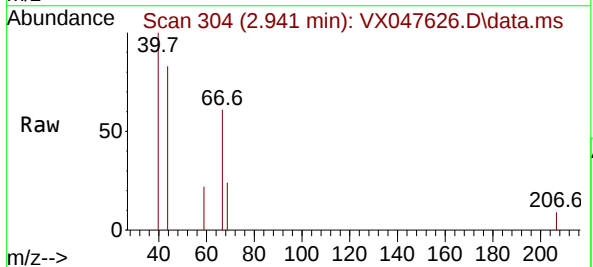
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

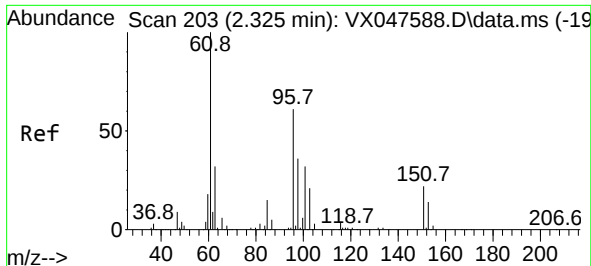
Tgt Ion:168 Resp: 171023
Ion Ratio Lower Upper
168 100
99 61.9 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.762 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion: 59 Resp: 231
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

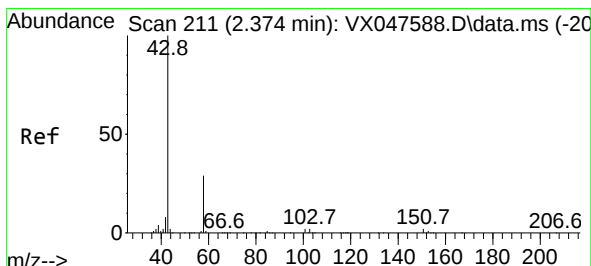
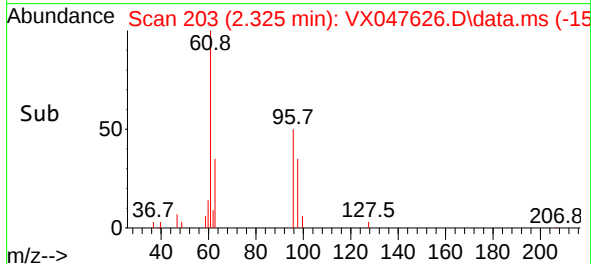
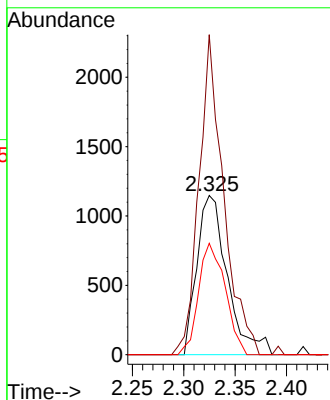
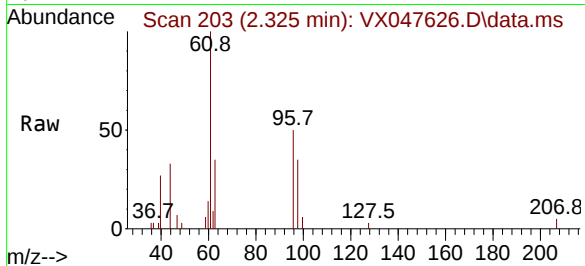




#12
1,1-Dichloroethene
Concen: 1.164 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

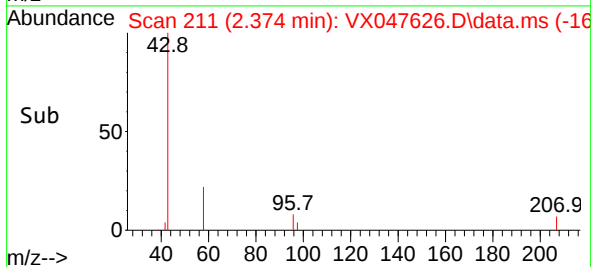
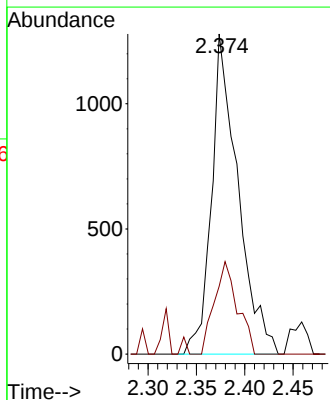
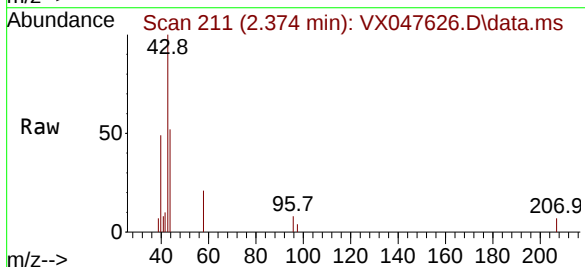
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

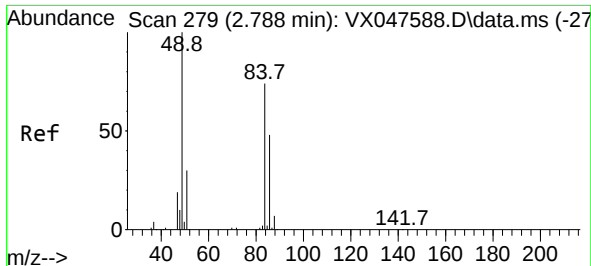
Tgt Ion: 96 Resp: 2365
Ion Ratio Lower Upper
96 100
61 195.8 131.0 196.6
98 69.9 47.7 71.5



#16
Acetone
Concen: 2.055 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion: 43 Resp: 2432
Ion Ratio Lower Upper
43 100
58 13.9 23.4 35.0#

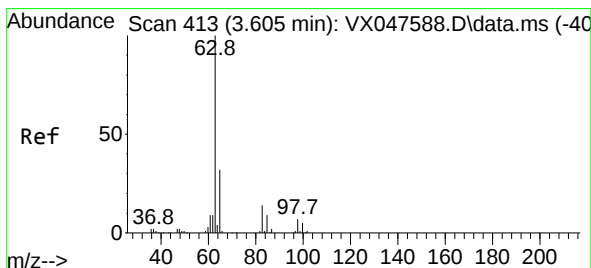
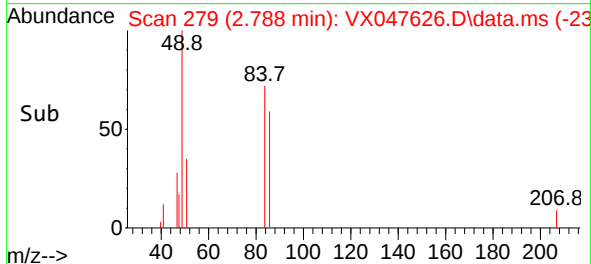
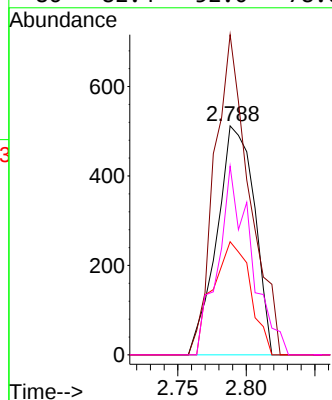
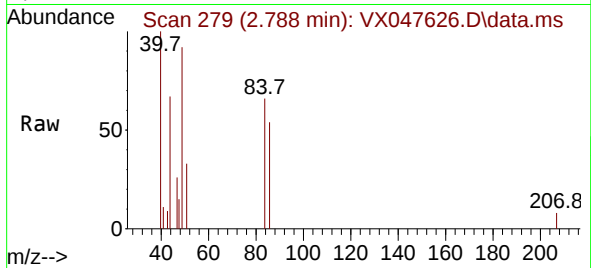




#20
Methylene Chloride
Concen: 0.389 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

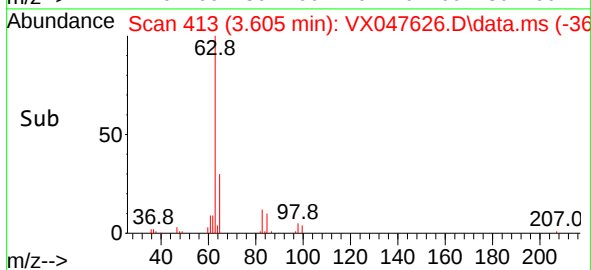
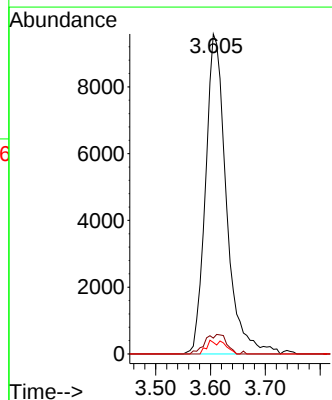
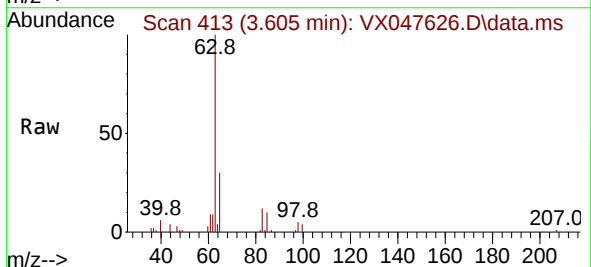
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

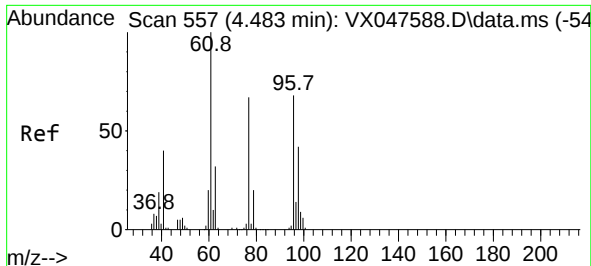
Tgt Ion:	84	Resp:	975
Ion	Ratio	Lower	Upper
84	100		
49	139.8	108.6	162.8
51	49.4	32.6	48.8#
86	82.4	52.0	78.0#



#24
1,1-Dichloroethane
Concen: 5.843 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion:	63	Resp:	25235
Ion	Ratio	Lower	Upper
63	100		
98	5.0	3.8	11.2
100	3.6	2.3	6.9





#27

cis-1,2-Dichloroethene

Concen: 2.019 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX047626.D

Acq: 17 Sep 2025 17:58

Instrument :

MSVOA_X

ClientSampleId :

MW203D2-20250909

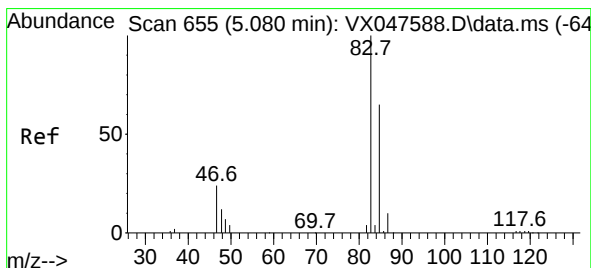
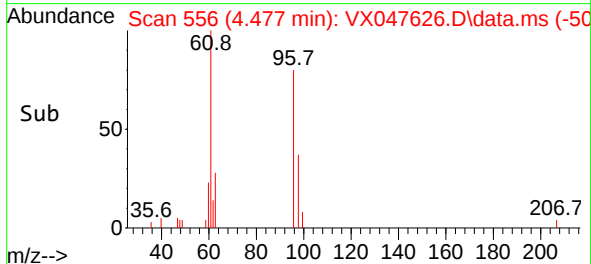
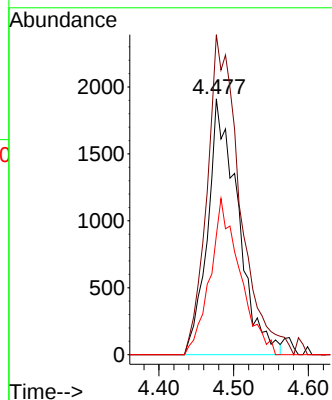
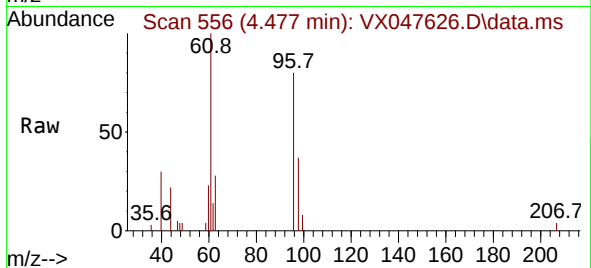
Tgt Ion: 96 Resp: 5410

Ion Ratio Lower Upper

96 100

61 134.9 0.0 303.2

98 60.0 0.0 127.8



#30

Chloroform

Concen: 0.459 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX047626.D

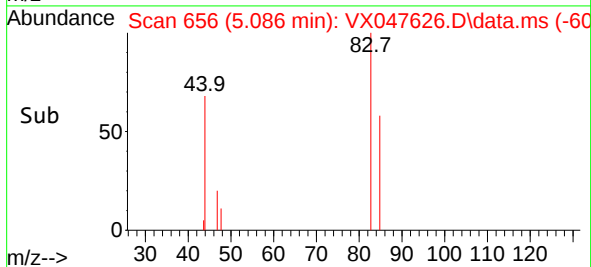
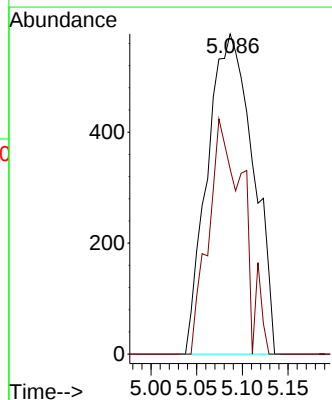
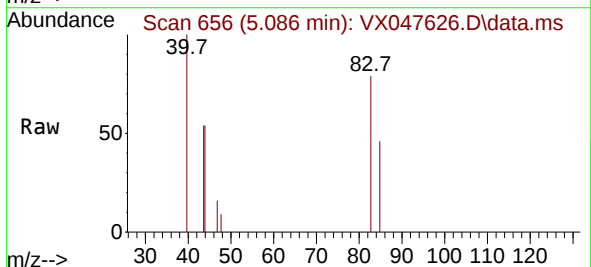
Acq: 17 Sep 2025 17:58

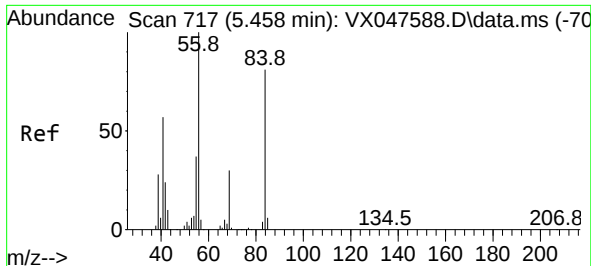
Tgt Ion: 83 Resp: 2003

Ion Ratio Lower Upper

83 100

85 57.9 51.8 77.6

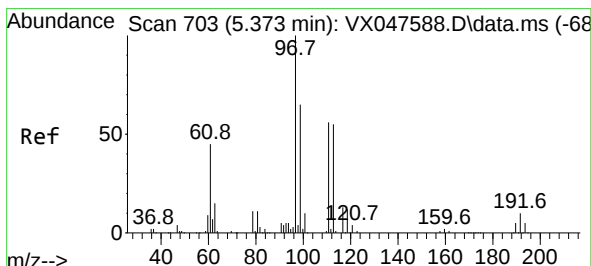
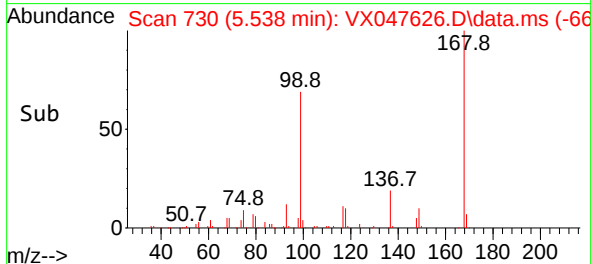
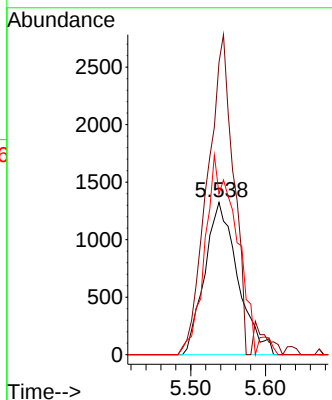
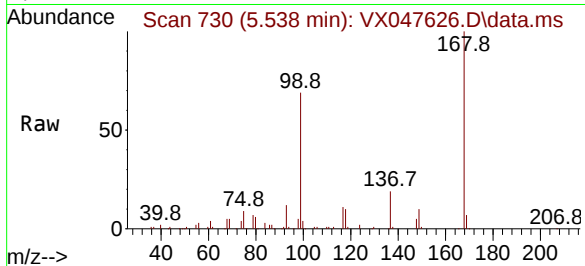




#31
Cyclohexane
Concen: 1.134 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

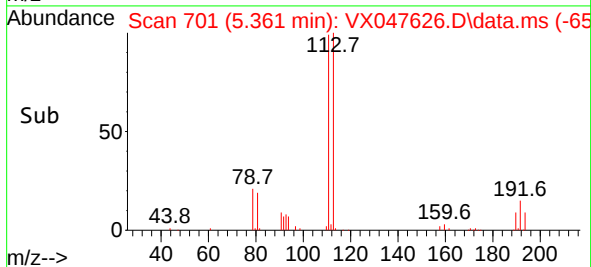
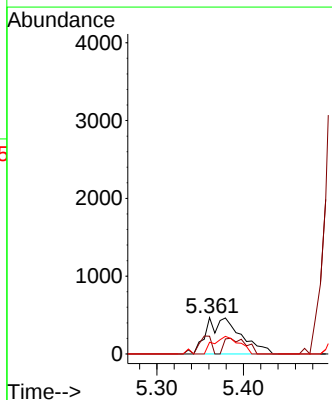
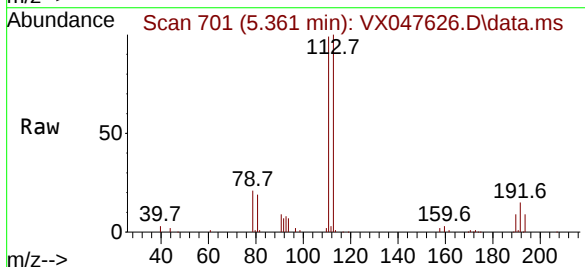
Instrument :
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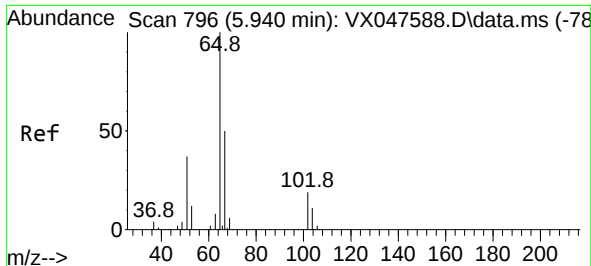
Tgt Ion: 56 Resp: 4078
Ion Ratio Lower Upper
56 100
69 191.8 23.8 35.8#
84 105.6 64.6 97.0#



#32
1,1,1-Trichloroethane
Concen: 0.349 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion: 97 Resp: 1291
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 35.9 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 55.011 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047626.D

Acq: 17 Sep 2025 17:58

Instrument :

MSVOA_X

ClientSampleId :

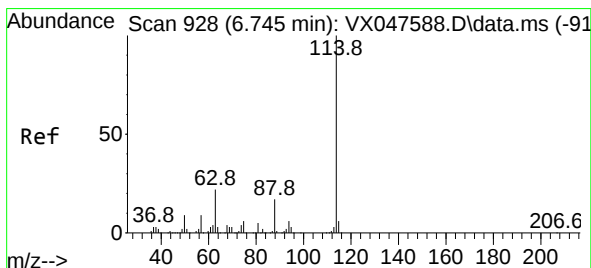
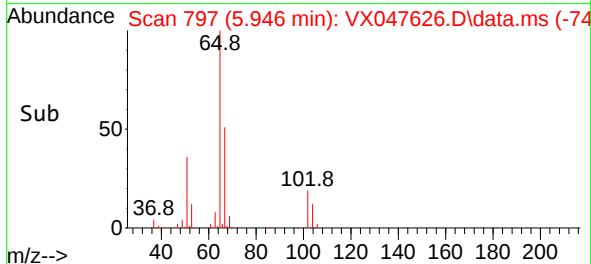
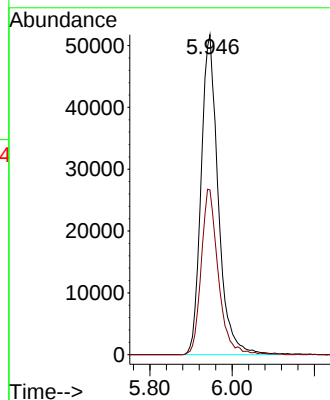
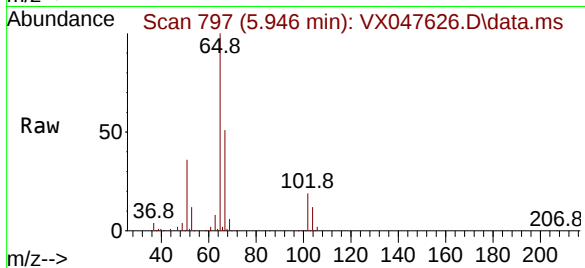
MW203D2-20250909

Tgt Ion: 65 Resp: 149755

Ion Ratio Lower Upper

65 100

67 51.5 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: VX047626.D

Acq: 17 Sep 2025 17:58

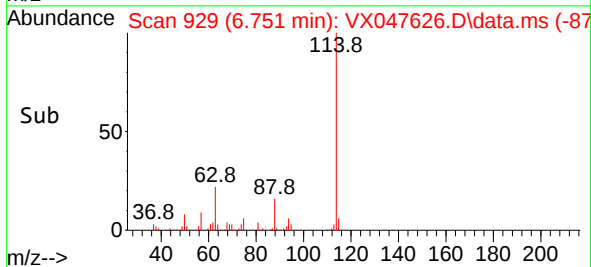
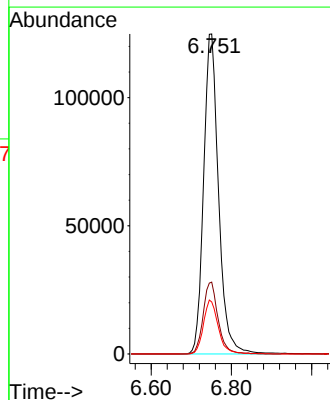
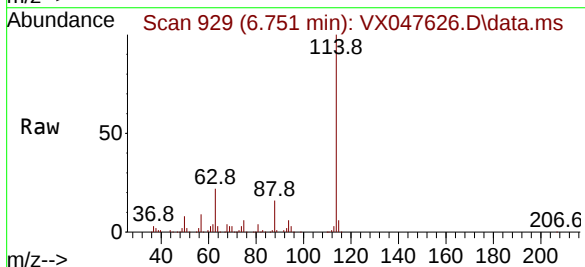
Tgt Ion: 114 Resp: 322993

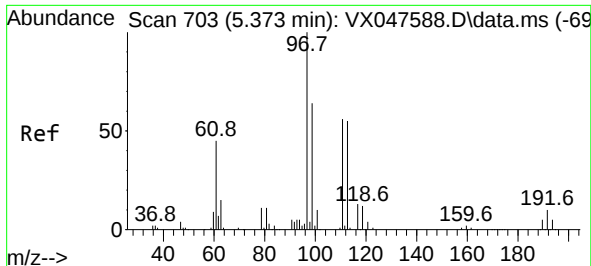
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.0

88 16.3 0.0 34.2

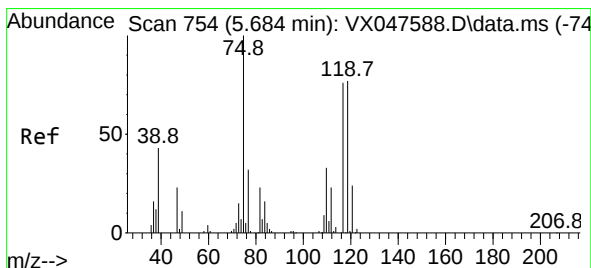
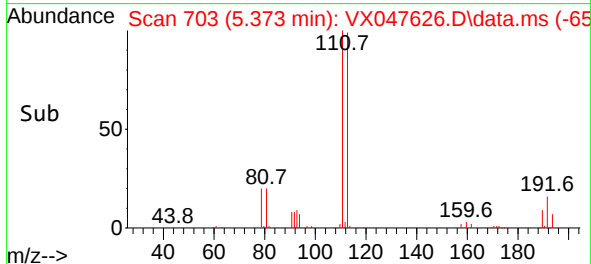
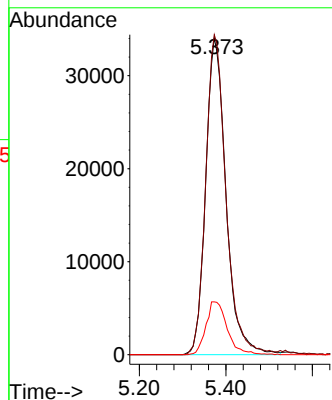
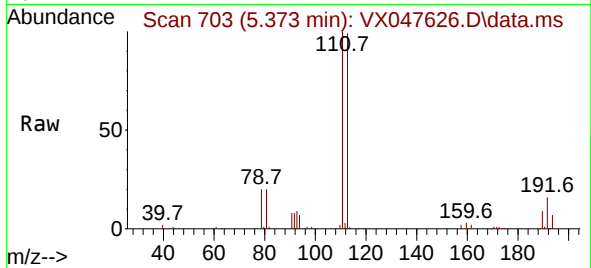




#35
Dibromofluoromethane
Concen: 51.267 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

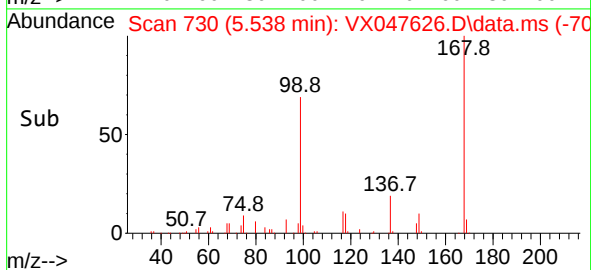
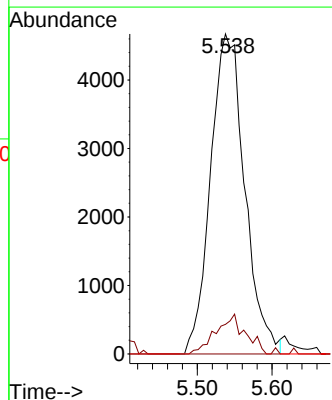
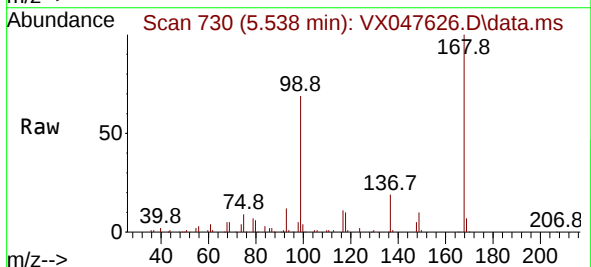
Instrument :
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MW203D2-20250909

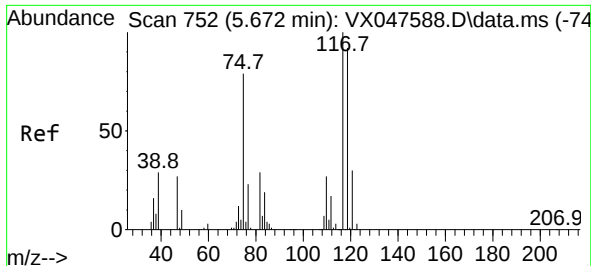
Tgt Ion:113 Resp: 111052
Ion Ratio Lower Upper
113 100
111 100.8 80.9 121.3
192 17.5 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.693 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion: 75 Resp: 14855
Ion Ratio Lower Upper
75 100
110 10.6 16.7 50.1#
77 0.0 24.3 36.5#

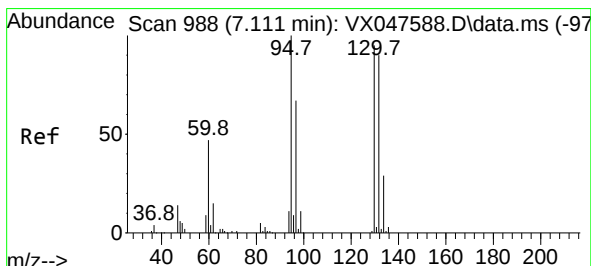
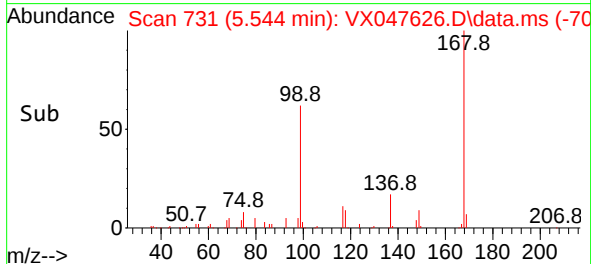
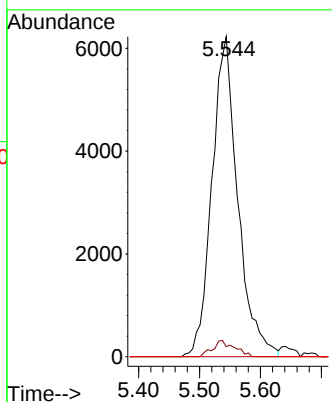
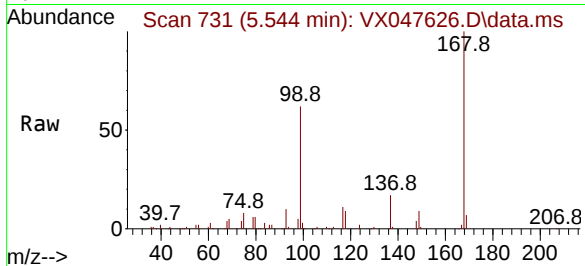




#38
Carbon Tetrachloride
Concen: 5.334 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

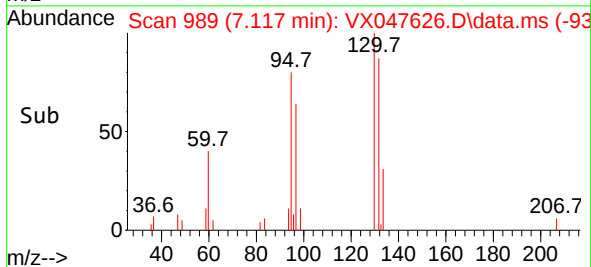
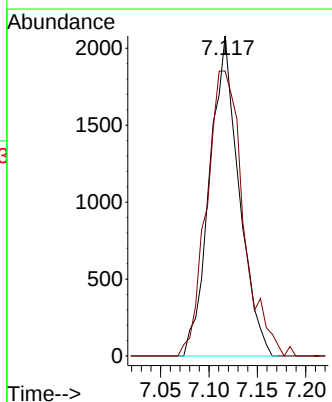
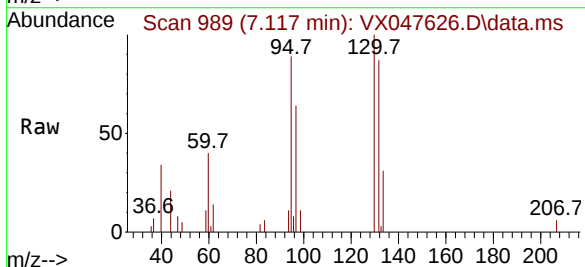
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

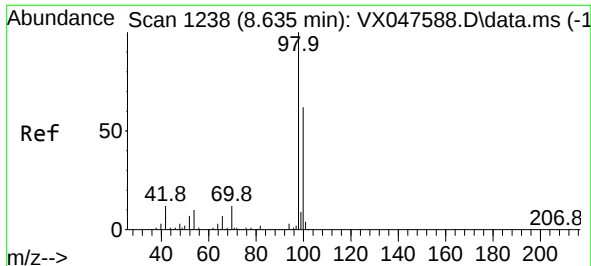
Tgt Ion:117 Resp: 18346
Ion Ratio Lower Upper
117 100
119 3.2 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 1.897 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion:130 Resp: 4409
Ion Ratio Lower Upper
130 100
95 89.0 0.0 210.8

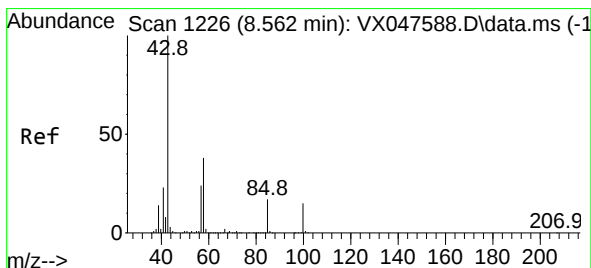
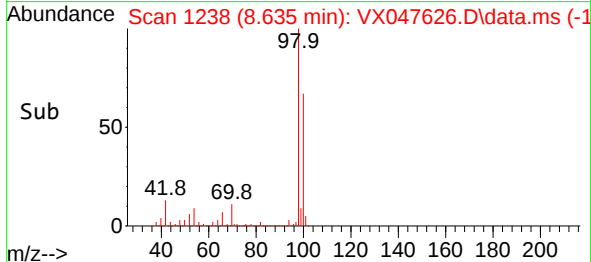
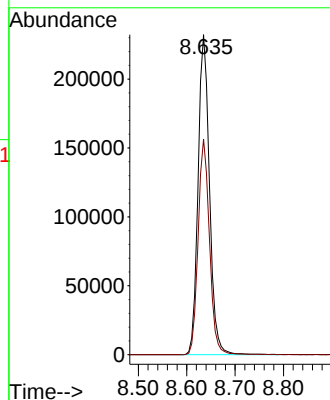
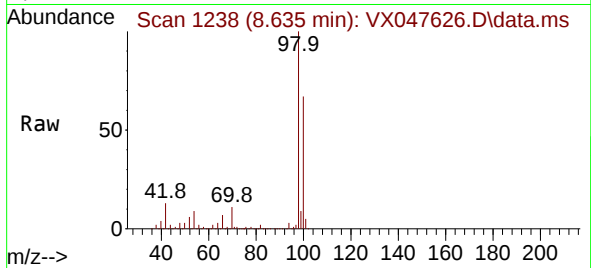




#50
Toluene-d8
Concen: 50.643 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

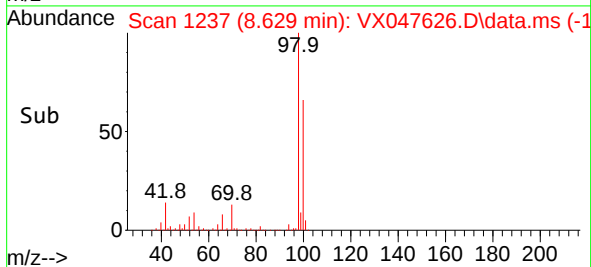
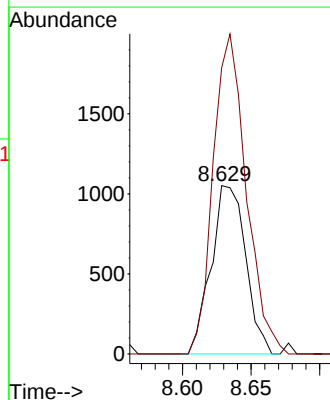
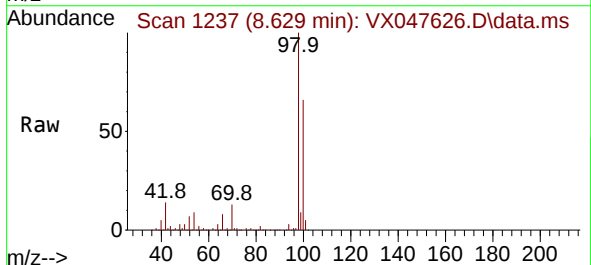
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

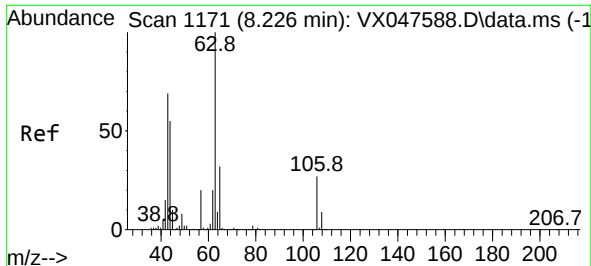
Tgt Ion: 98 Resp: 379589
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.599 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. 0.067 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
58 182.0 30.3 45.5#

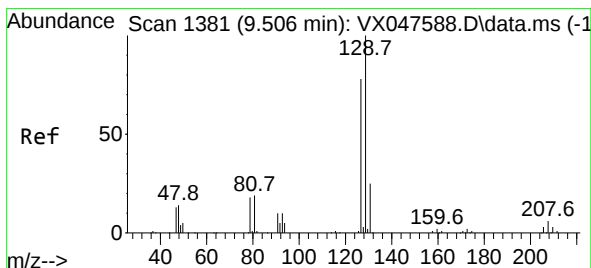
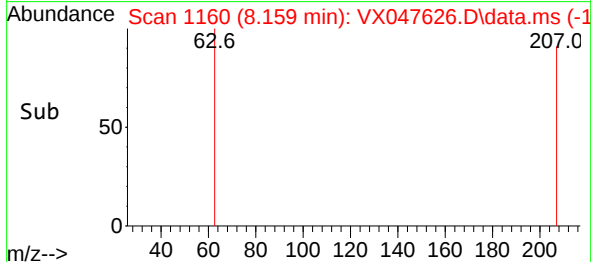
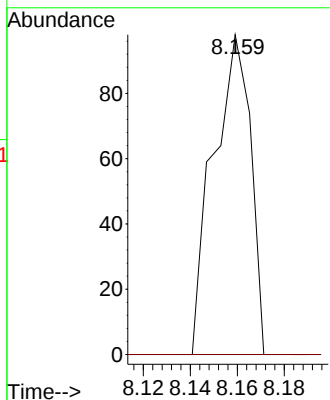
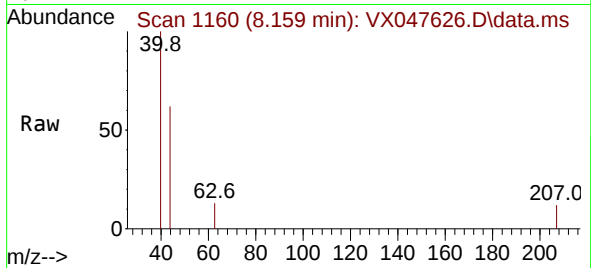




#58
2-Chloroethyl Vinyl ether
Concen: 7.956 ug/l
RT: 8.159 min Scan# 1171
Delta R.T. -0.067 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

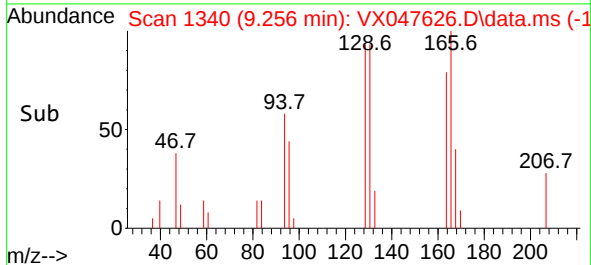
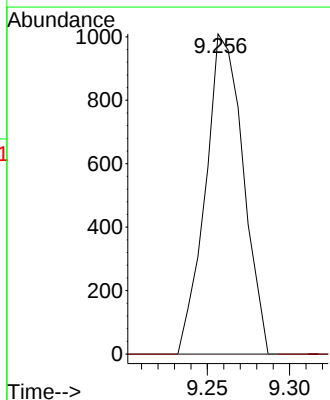
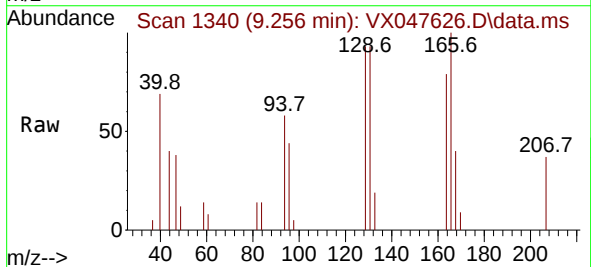
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

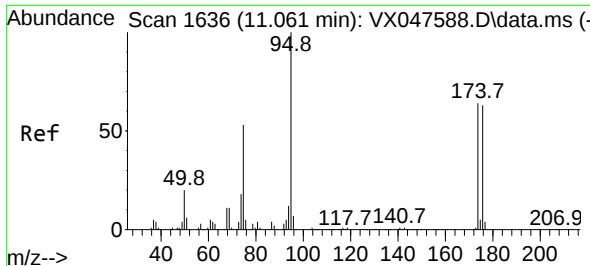
Tgt Ion: 63 Resp: 108
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#



#60
Dibromochloromethane
Concen: 0.611 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion:129 Resp: 1609
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

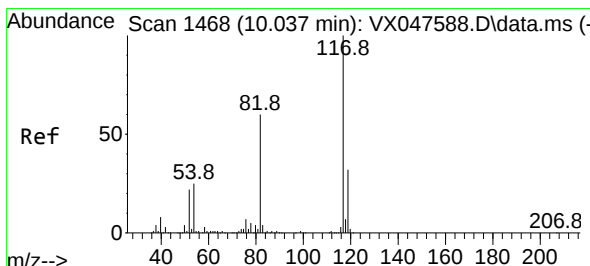
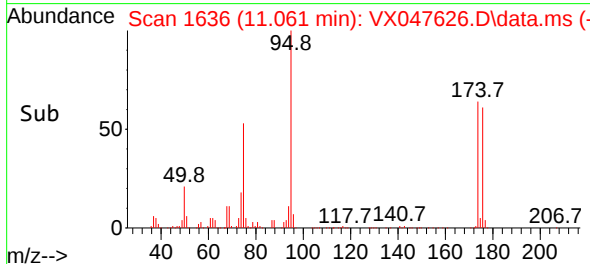
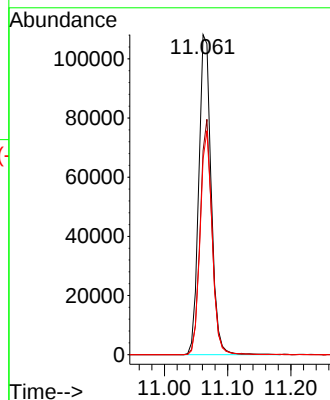
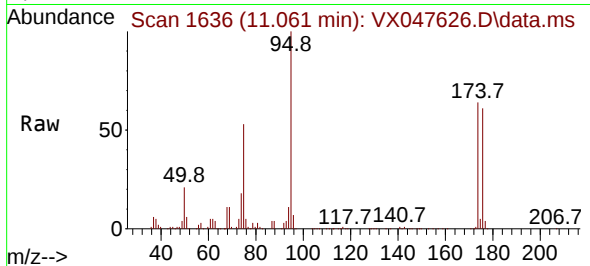




#62
4-Bromofluorobenzene
Concen: 51.851 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

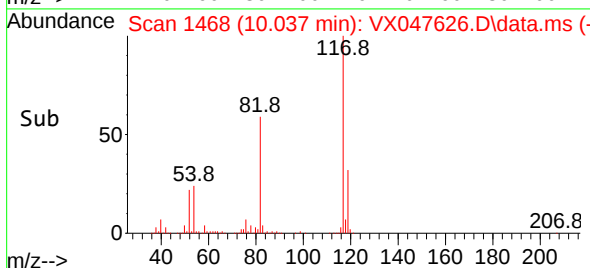
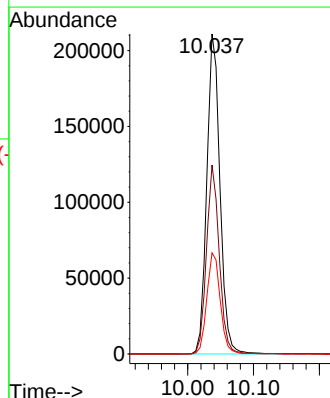
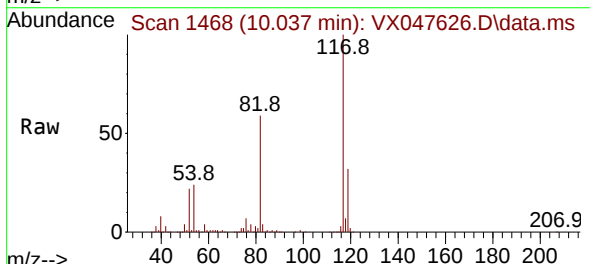
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

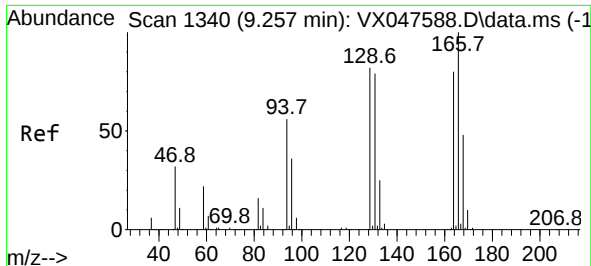
Tgt Ion: 95 Resp: 147498
Ion Ratio Lower Upper
95 100
174 70.1 0.0 141.6
176 68.0 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion: 117 Resp: 293629
Ion Ratio Lower Upper
117 100
82 59.1 47.8 71.6
119 31.6 25.2 37.8

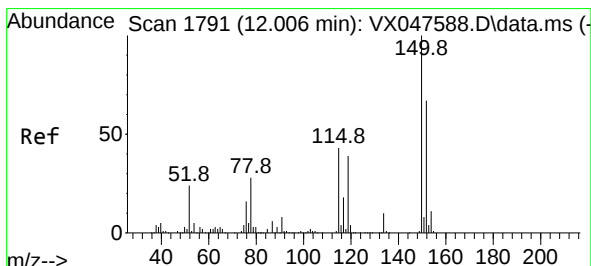
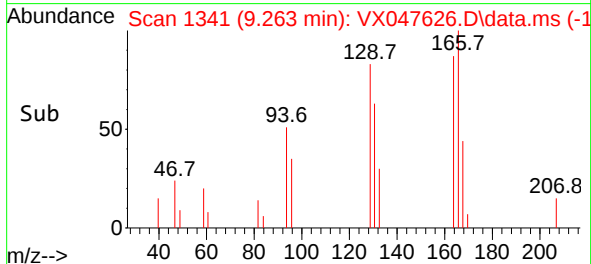
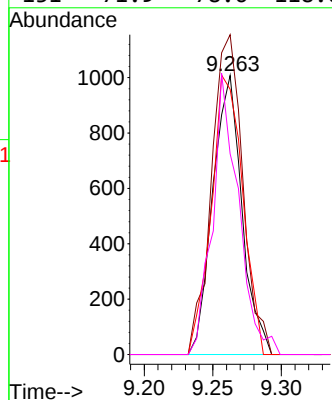
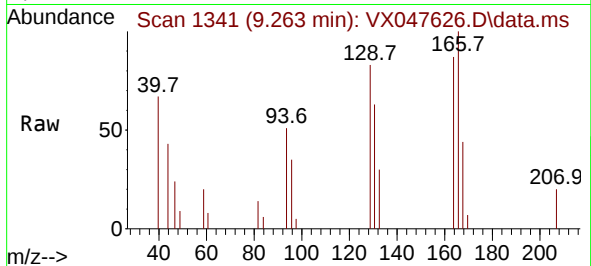




#64
Tetrachloroethene
Concen: 0.779 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

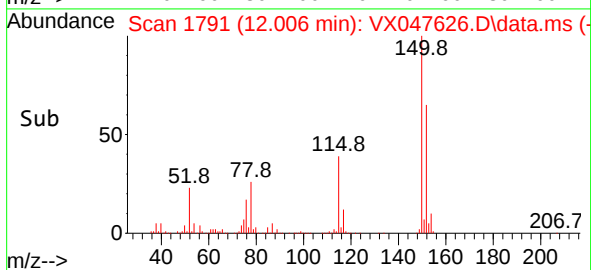
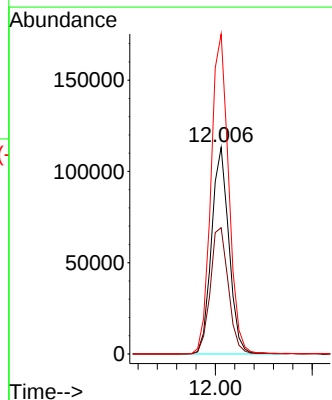
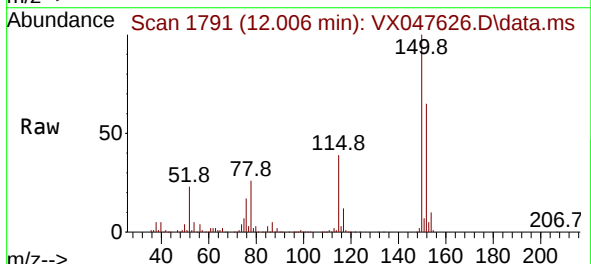
Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

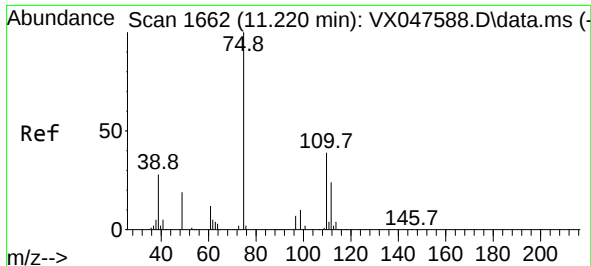
Tgt Ion:164	Resp:	1492
Ion	Ratio	Lower Upper
164	100	
166	114.6	100.2 150.2
129	95.0	81.8 122.6
131	71.9	78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion:152	Resp:	141573
Ion	Ratio	Lower Upper
152	100	
115	63.7	44.9 134.5
150	157.6	0.0 352.0

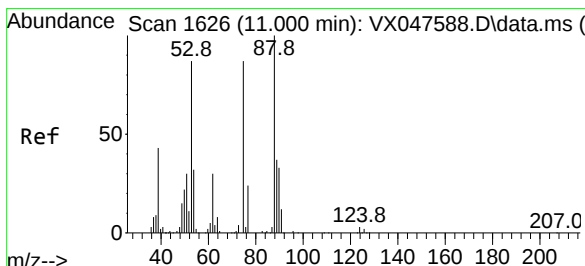
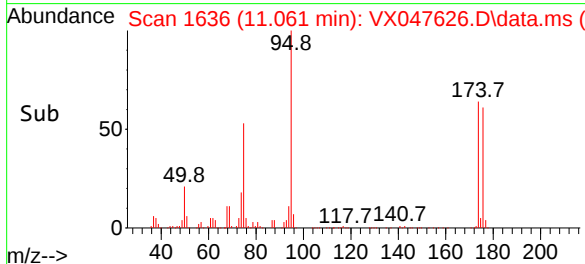
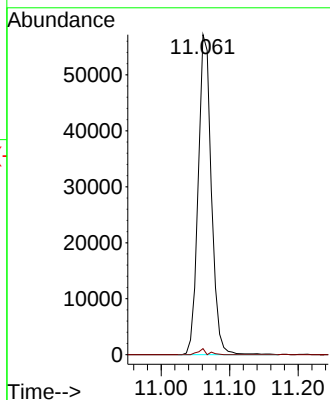
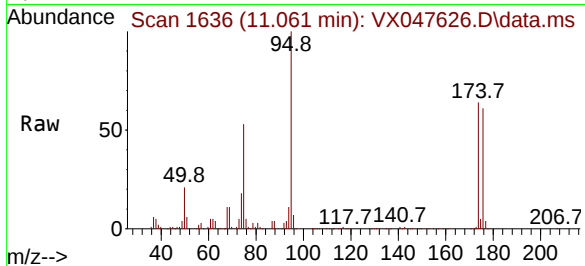




#76
1,2,3-Trichloropropane
Concen: 26.748 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

Tgt Ion: 75 Resp: 76672
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.212 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion: 75 Resp: 76672
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

