

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047615.D
 Acq On : 17 Sep 2025 14:06
 Operator : JC/MD
 Sample : Q3095-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D-20250909

Quant Time: Sep 22 03:07:11 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)

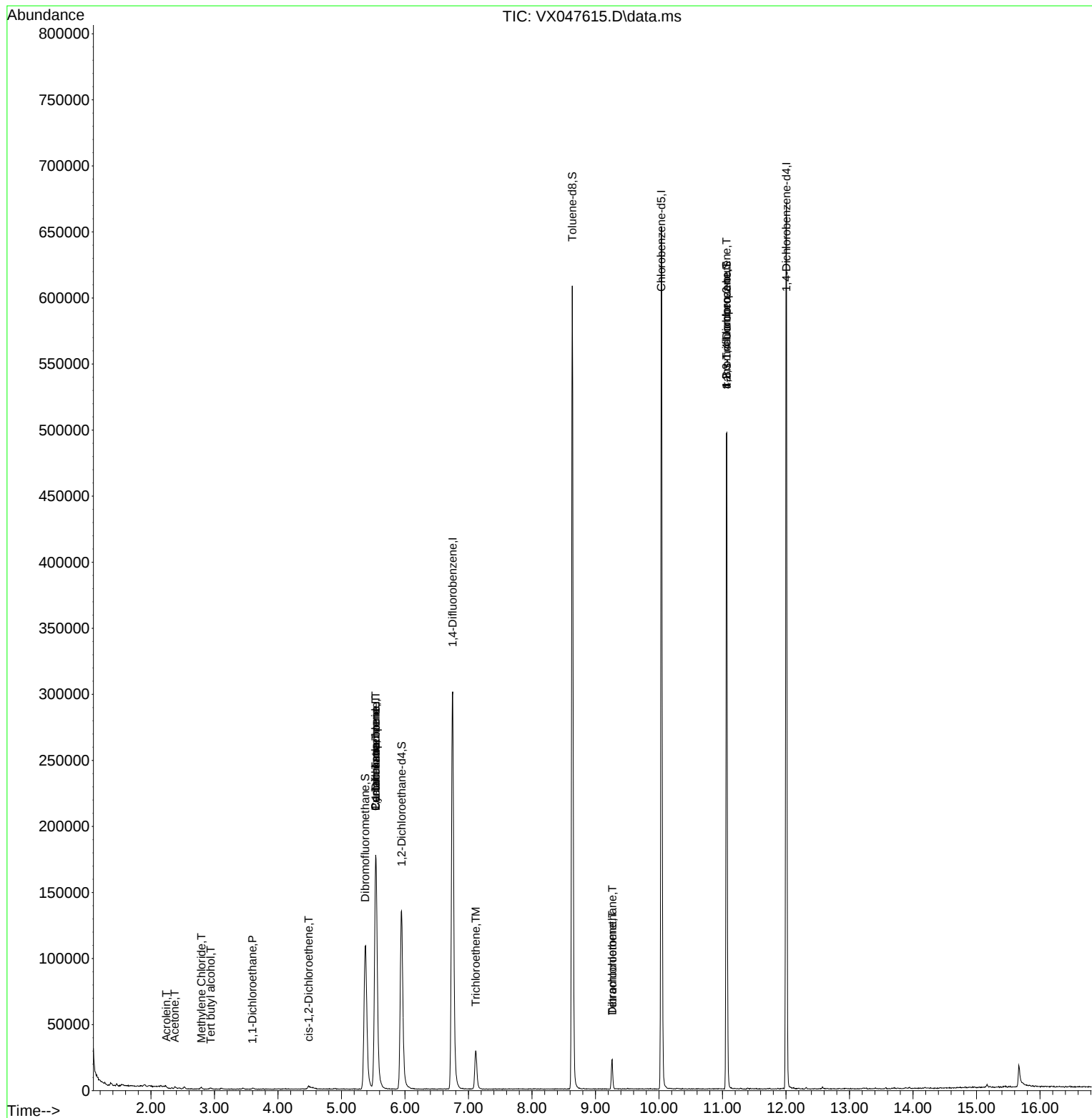
Internal Standards						
1) Pentafluorobenzene	5.538	168	176912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	325344	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	295865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	148250	52.646	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.300%	
35) Dibromofluoromethane	5.373	113	107072	49.072	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.140%	
50) Toluene-d8	8.635	98	373601	49.484	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.960%	
62) 4-Bromofluorobenzene	11.061	95	144212	50.330	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	90	0.287	ug/l #	72
13) Acrolein	2.240	56	58	0.201	ug/l #	1
16) Acetone	2.374	43	1926	1.573	ug/l	98
20) Methylene Chloride	2.794	84	707	0.273	ug/l #	89
24) 1,1-Dichloroethane	3.599	63	1258	0.282	ug/l #	81
27) cis-1,2-Dichloroethene	4.483	96	1562	0.564	ug/l	81
31) Cyclohexane	5.538	56	4126	1.109	ug/l #	5
36) 1,1-Dichloropropene	5.538	75	15265	4.788	ug/l #	49
38) Carbon Tetrachloride	5.538	117	18980	5.479	ug/l #	19
44) Trichloroethene	7.117	130	12485	5.333	ug/l	97
60) Dibromochloromethane	9.263	129	4401	1.660	ug/l #	11
64) Tetrachloroethene	9.263	164	4397	2.280	ug/l	91
76) 1,2,3-Trichloropropane	11.061	75	74989	26.387	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	74989	67.290	ug/l #	8

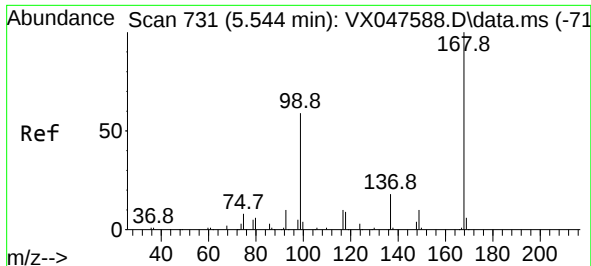
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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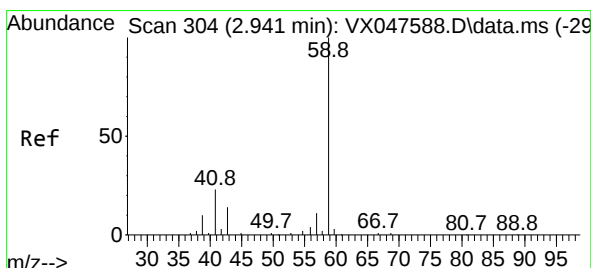
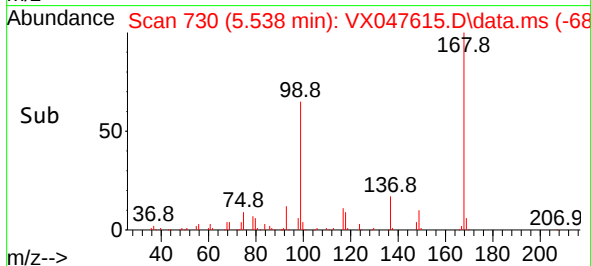
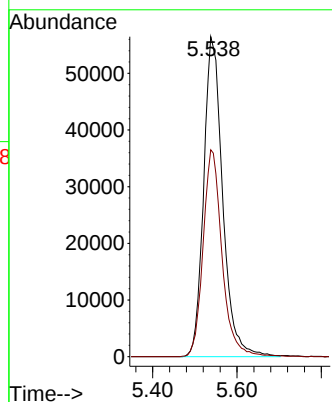
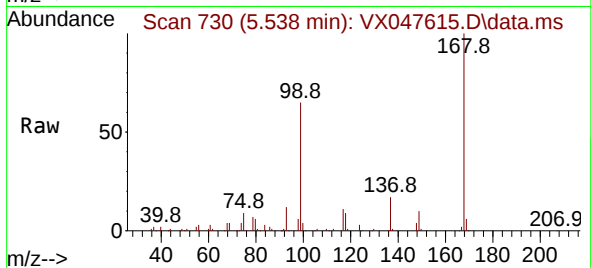




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

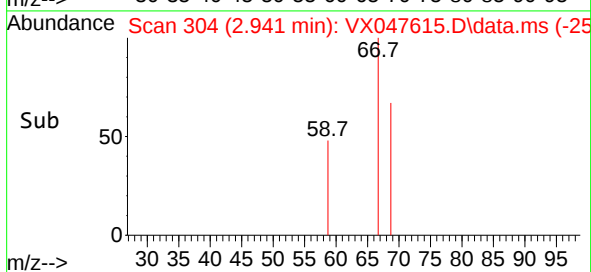
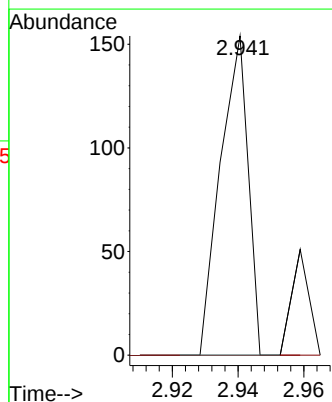
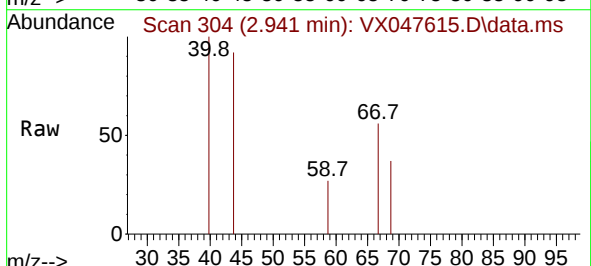
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

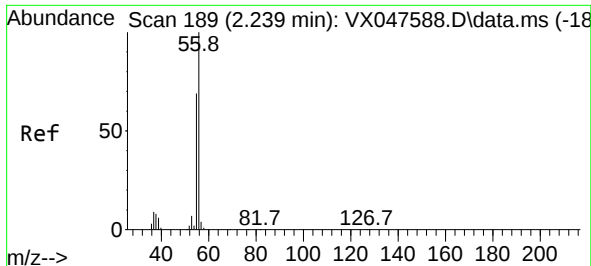
Tgt Ion:168 Resp: 176912
Ion Ratio Lower Upper
168 100
99 64.7 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.287 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

Tgt Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

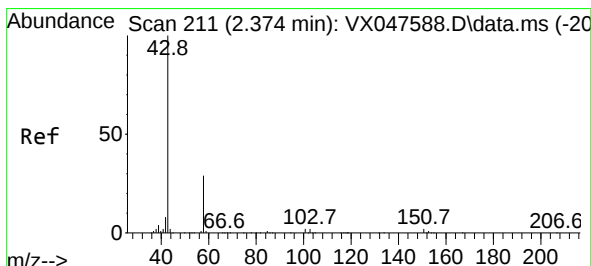
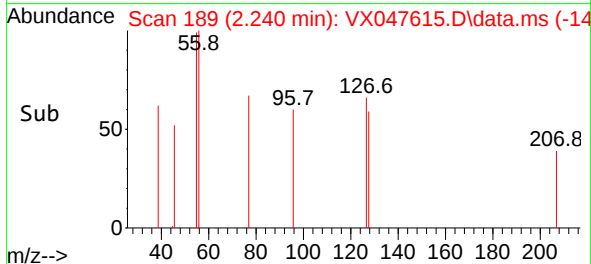
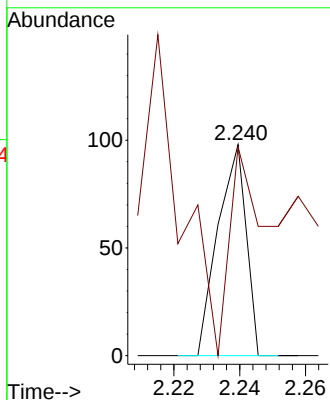
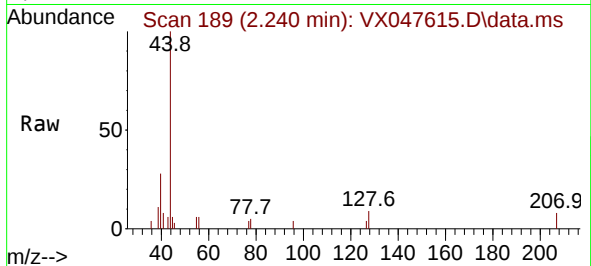




#13
Acrolein
Concen: 0.201 ug/l
RT: 2.240 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

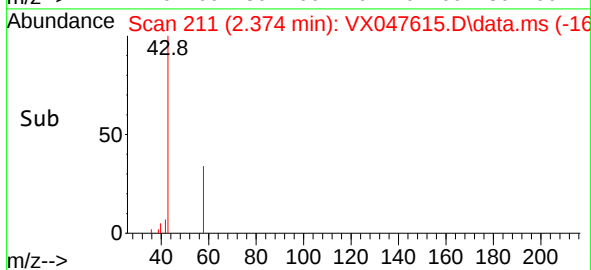
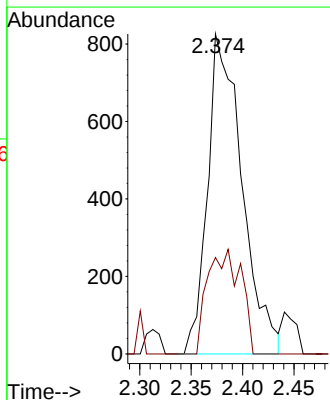
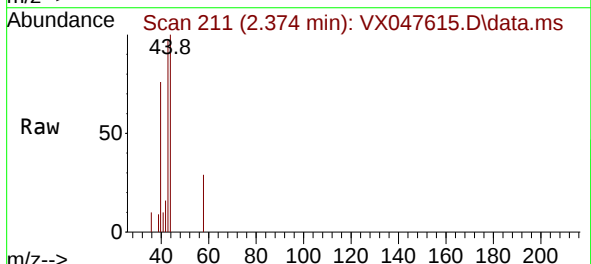
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

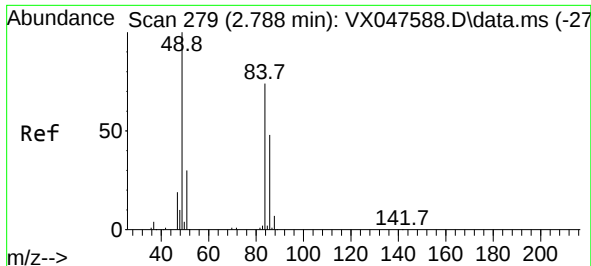
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 220.7 57.2 85.8#



#16
Acetone
Concen: 1.573 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

Tgt Ion: 43 Resp: 1926
Ion Ratio Lower Upper
43 100
58 30.1 23.4 35.0

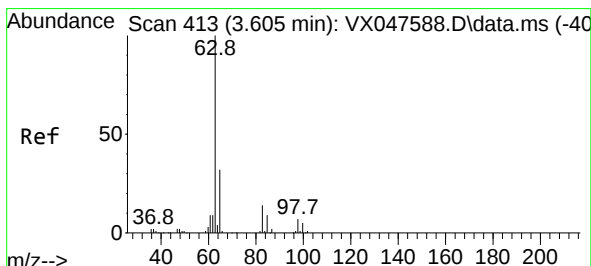
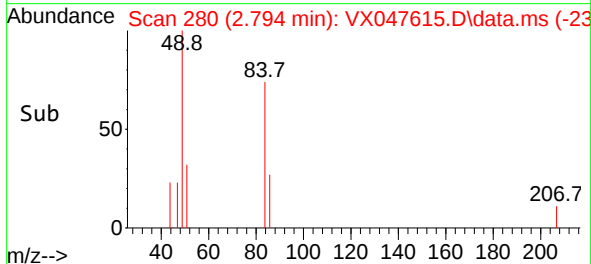
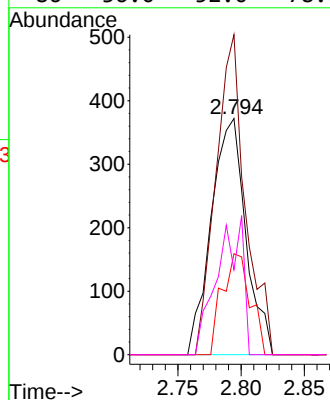
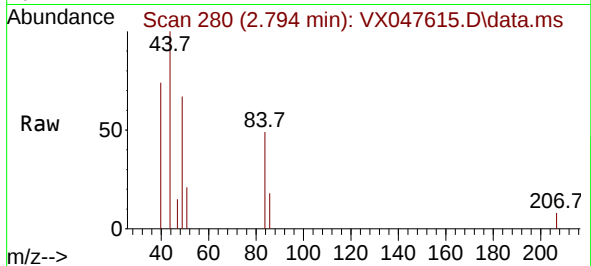




#20
Methylene Chloride
Concen: 0.273 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

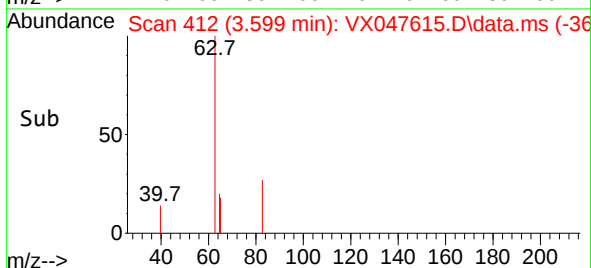
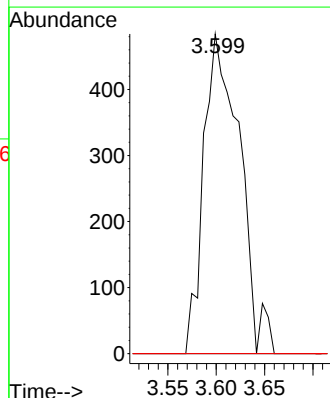
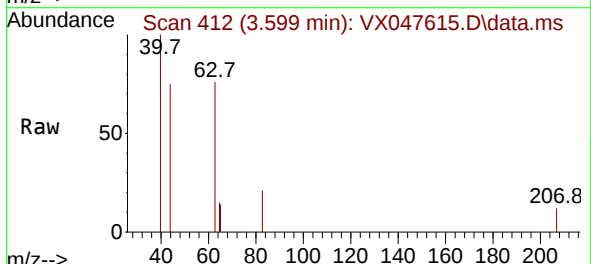
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

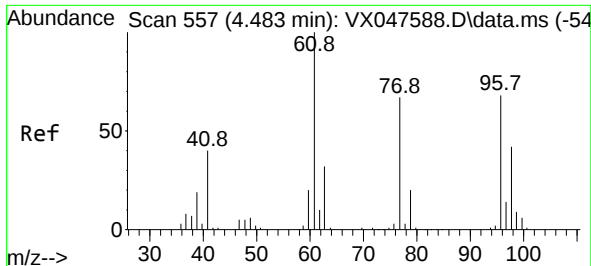
Tgt Ion:	84	Resp:	707
Ion	Ratio	Lower	Upper
84	100		
49	135.5	108.6	162.8
51	42.7	32.6	48.8
86	36.0	52.0	78.0



#24
1,1-Dichloroethane
Concen: 0.282 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

Tgt Ion:	63	Resp:	1258
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2
100	0.0	2.3	6.9

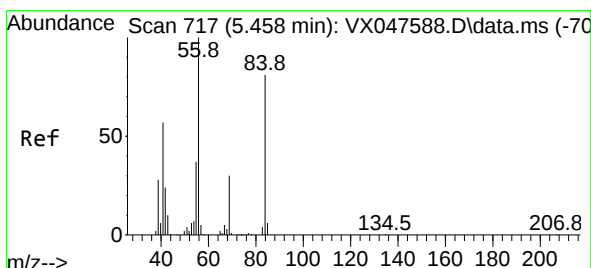
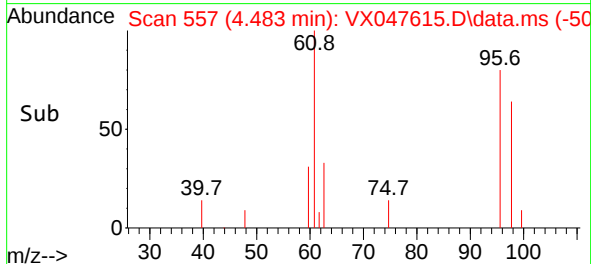
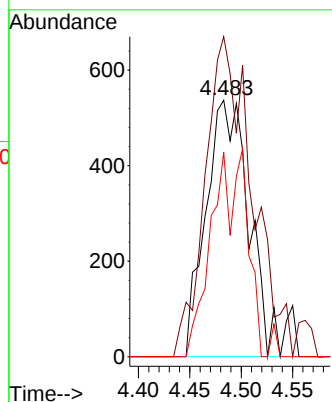
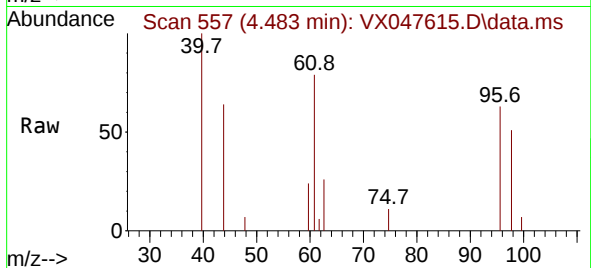




#27
 cis-1,2-Dichloroethene
 Concen: 0.564 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX047615.D
 Acq: 17 Sep 2025 14:06

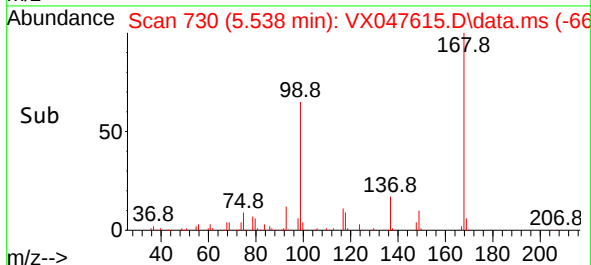
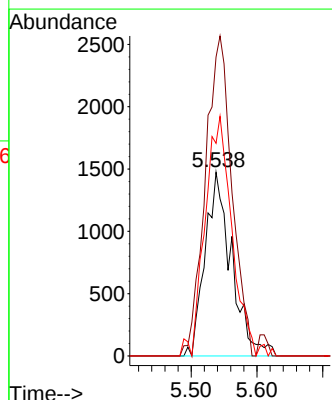
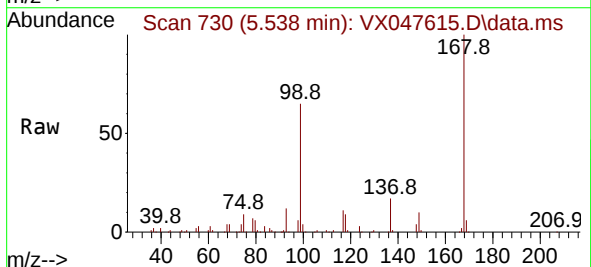
Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D-20250909

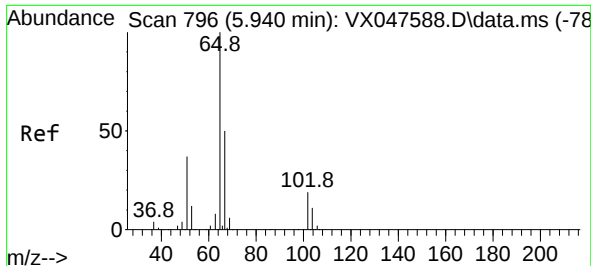
Tgt Ion: 96 Resp: 1562
 Ion Ratio Lower Upper
 96 100
 61 135.7 0.0 303.2
 98 37.8 0.0 127.8



#31
 Cyclohexane
 Concen: 1.109 ug/l
 RT: 5.538 min Scan# 730
 Delta R.T. 0.079 min
 Lab File: VX047615.D
 Acq: 17 Sep 2025 14:06

Tgt Ion: 56 Resp: 4126
 Ion Ratio Lower Upper
 56 100
 69 162.7 23.8 35.8#
 84 115.8 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 52.646 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047615.D

Acq: 17 Sep 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

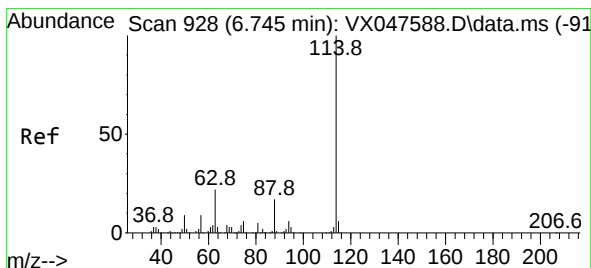
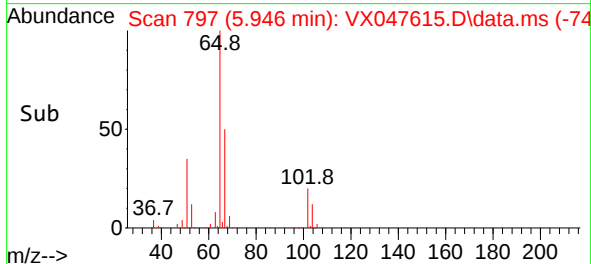
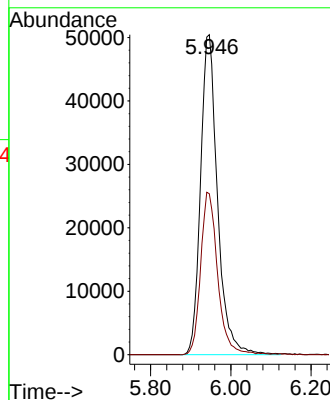
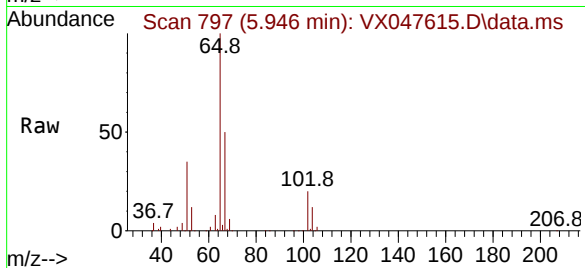
MW202D-20250909

Tgt Ion: 65 Resp: 148250

Ion Ratio Lower Upper

65 100

67 50.9 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: VX047615.D

Acq: 17 Sep 2025 14:06

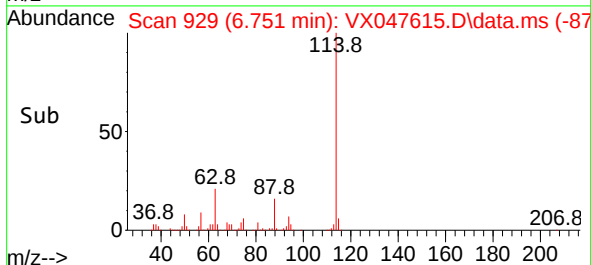
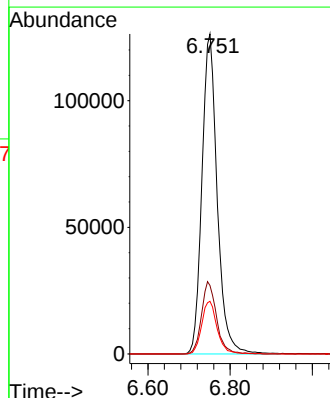
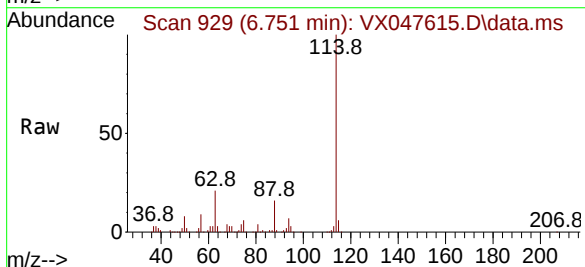
Tgt Ion: 114 Resp: 325344

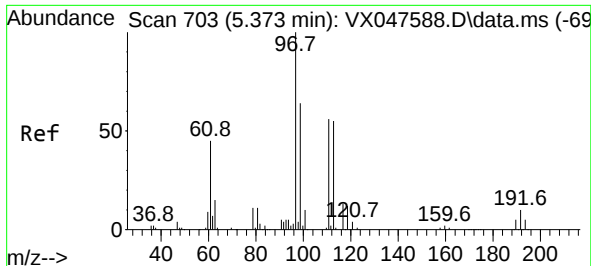
Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.0

88 16.5 0.0 34.2

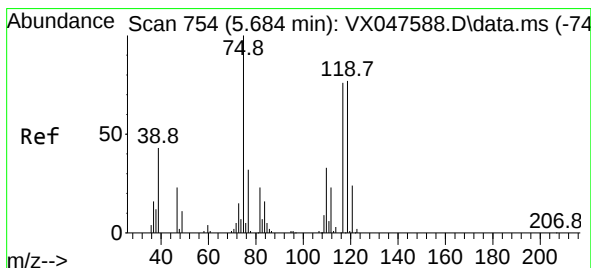
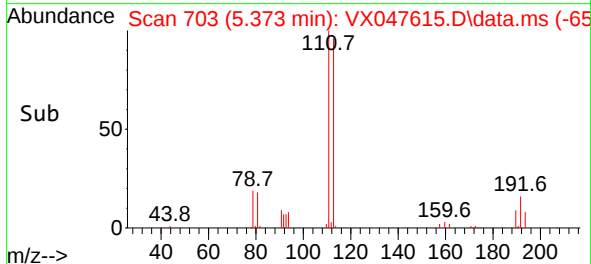
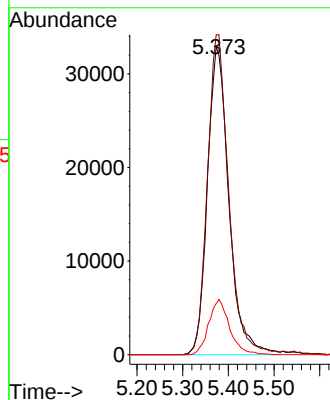
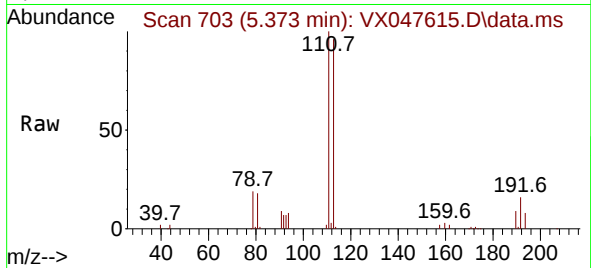




#35
Dibromofluoromethane
Concen: 49.072 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

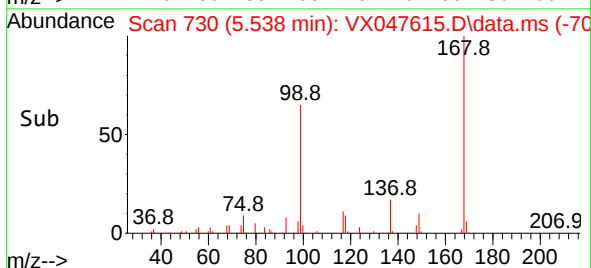
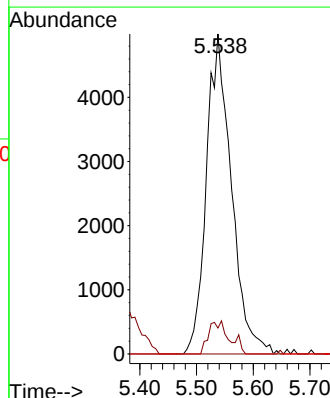
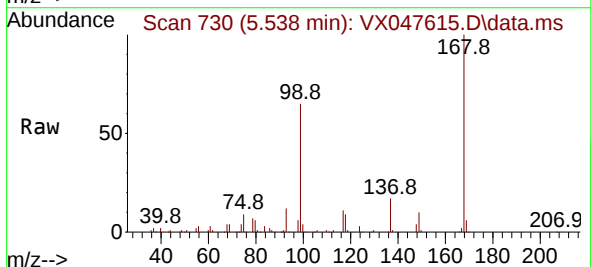
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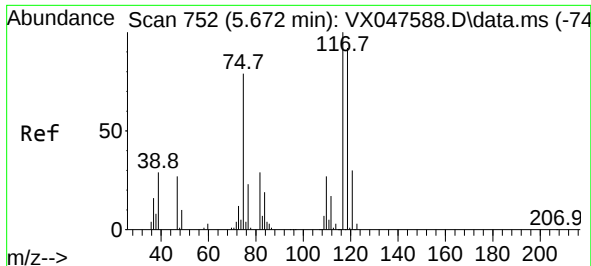
Tgt Ion:113 Resp: 107072
Ion Ratio Lower Upper
113 100
111 103.6 80.9 121.3
192 17.5 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.788 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

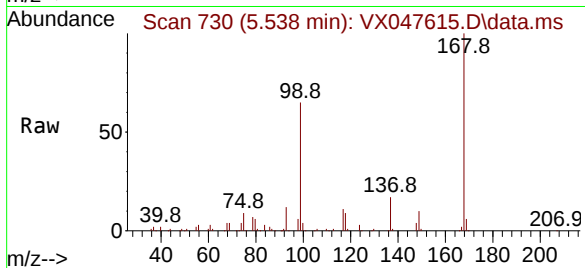
Tgt Ion: 75 Resp: 15265
Ion Ratio Lower Upper
75 100
110 7.2 16.7 50.1#
77 0.0 24.3 36.5#



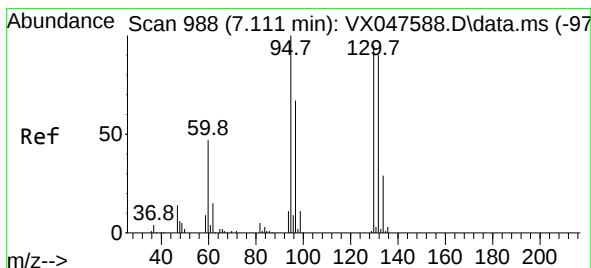
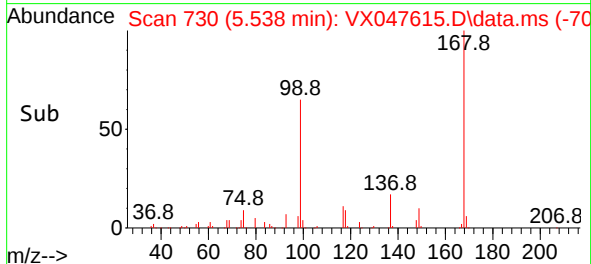
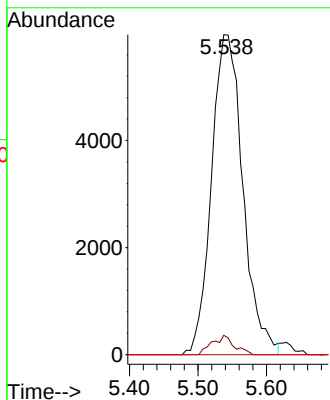


#38
Carbon Tetrachloride
Concen: 5.479 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

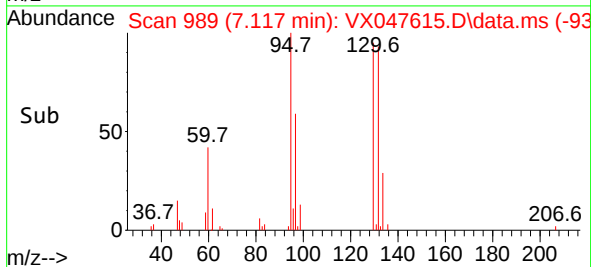
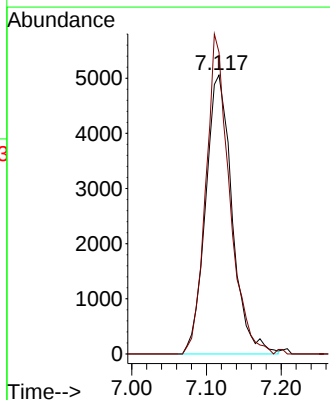
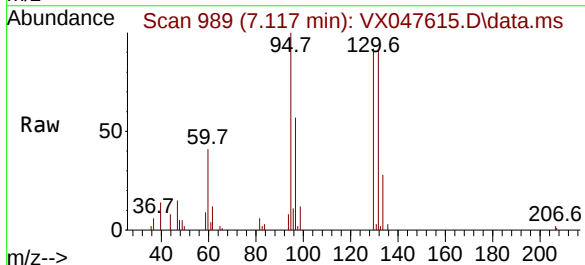


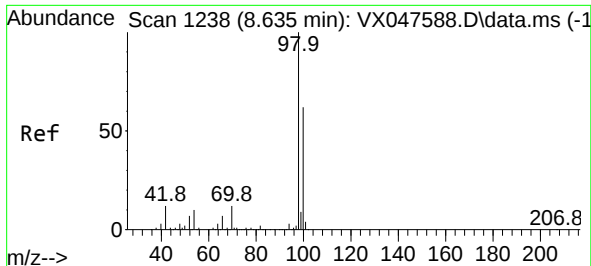
Tgt Ion:117 Resp: 18980
Ion Ratio Lower Upper
117 100
119 6.1 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 5.333 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

Tgt Ion:130 Resp: 12485
Ion Ratio Lower Upper
130 100
95 108.1 0.0 210.8

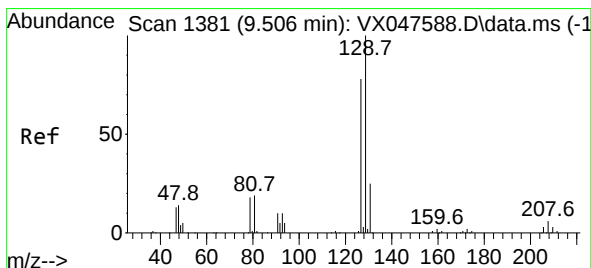
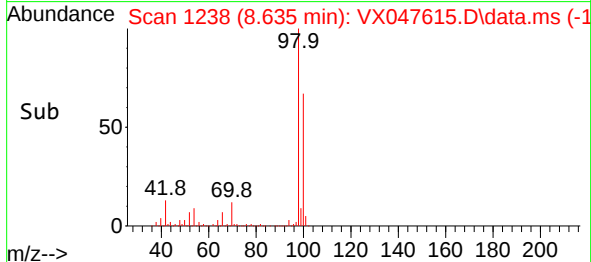
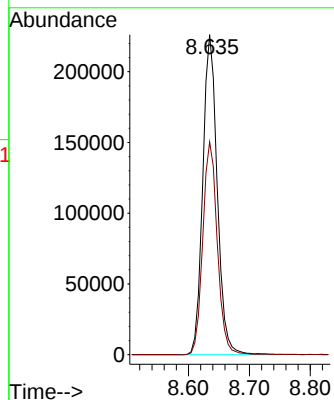
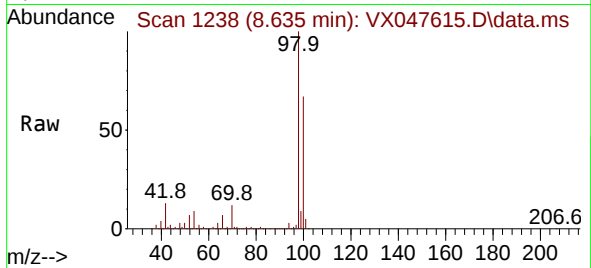




#50
Toluene-d8
Concen: 49.484 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

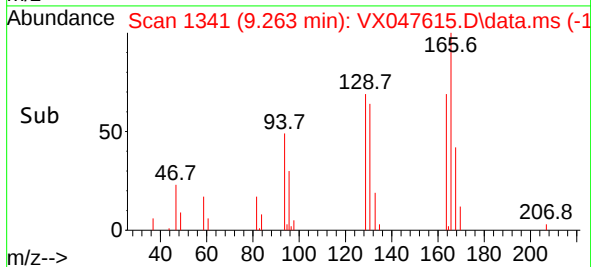
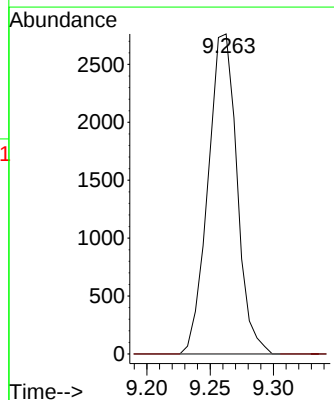
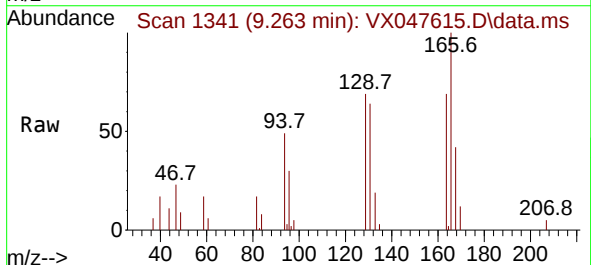
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

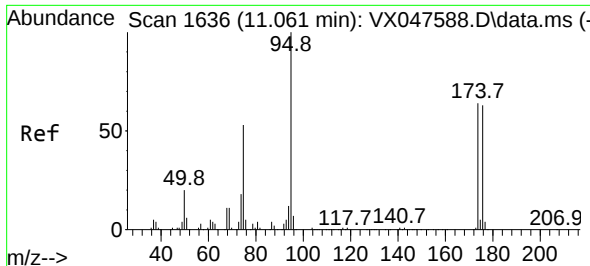
Tgt Ion: 98 Resp: 373601
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4



#60
Dibromochloromethane
Concen: 1.660 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. -0.244 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

Tgt Ion: 129 Resp: 4401
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

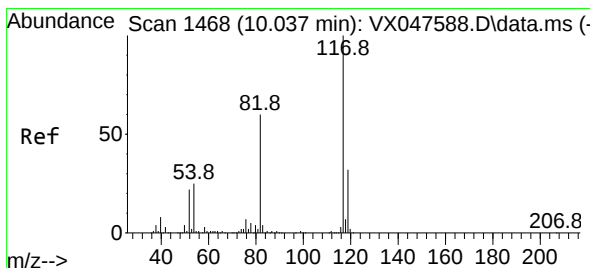
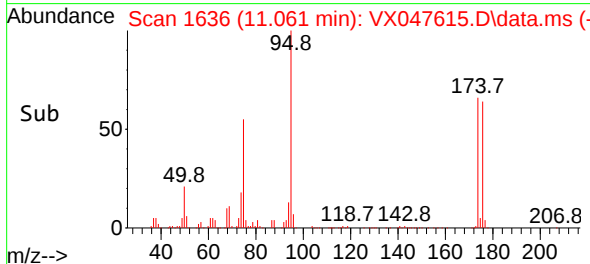
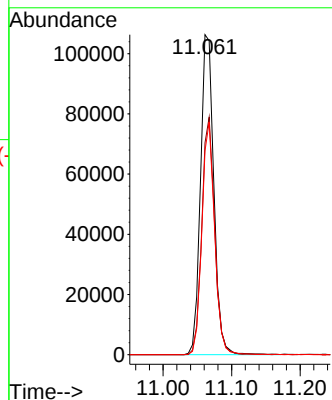
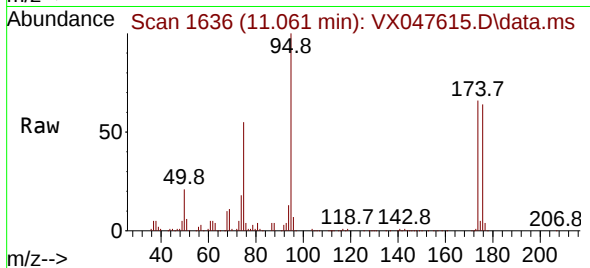




#62
4-Bromofluorobenzene
Concen: 50.330 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

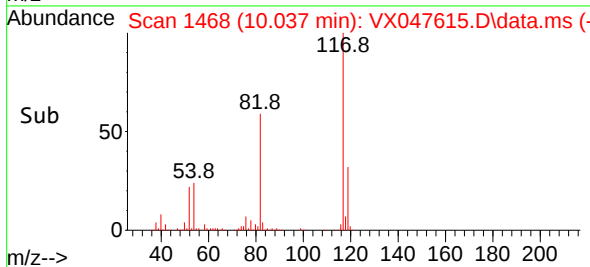
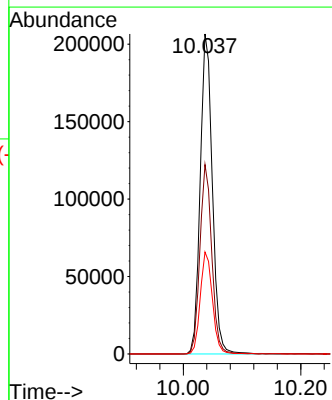
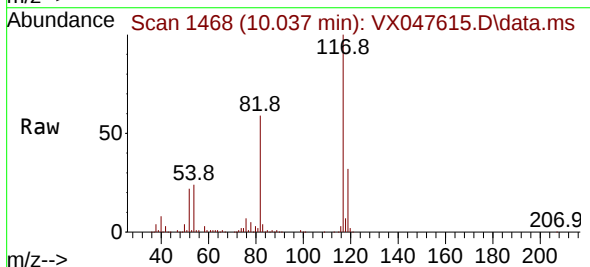
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

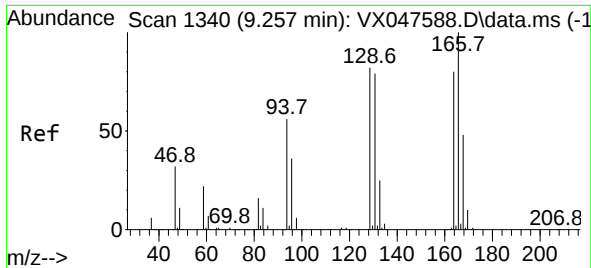
Tgt Ion: 95 Resp: 144212
Ion Ratio Lower Upper
95 100
174 71.6 0.0 141.6
176 69.3 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

Tgt Ion: 117 Resp: 295865
Ion Ratio Lower Upper
117 100
82 59.2 47.8 71.6
119 31.9 25.2 37.8

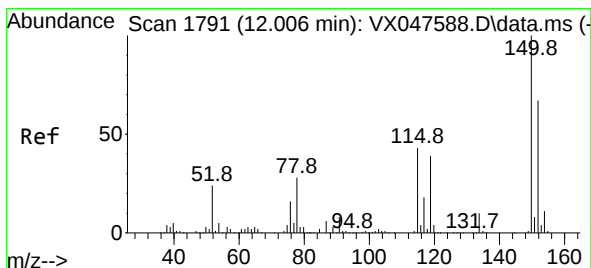
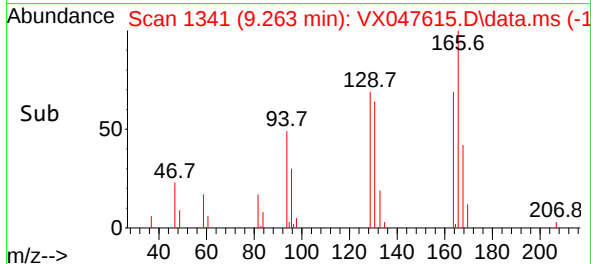
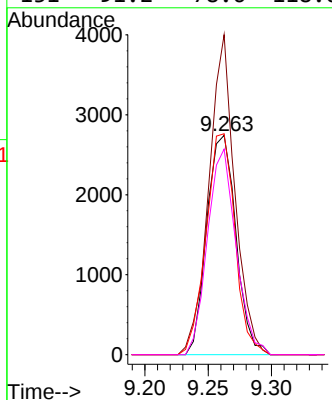
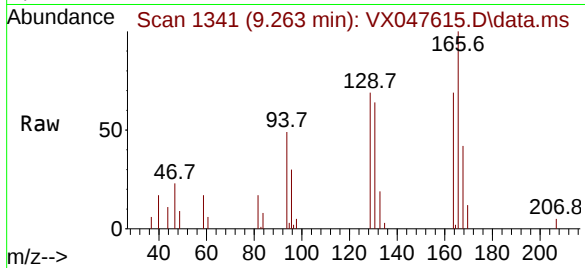




#64
Tetrachloroethene
Concen: 2.280 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

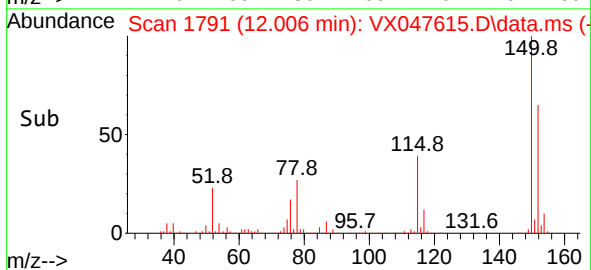
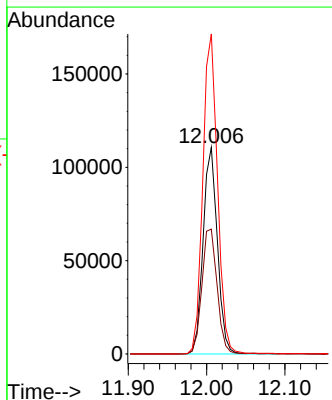
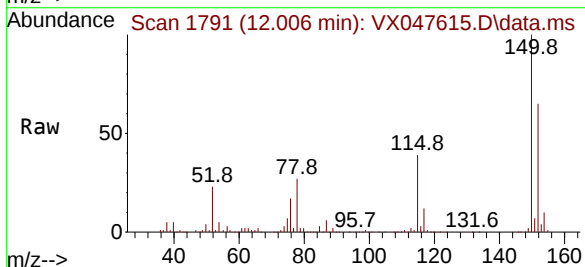
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

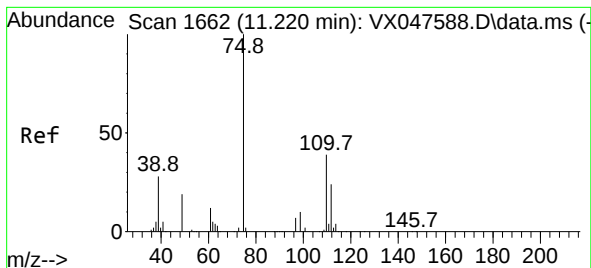
Tgt Ion:164	Resp:	4397
Ion	Ratio	Lower Upper
164	100	
166	142.0	100.2 150.2
129	98.0	81.8 122.6
131	91.2	78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047615.D
Acq: 17 Sep 2025 14:06

Tgt Ion:152	Resp:	140364
Ion	Ratio	Lower Upper
152	100	
115	64.3	44.9 134.5
150	158.8	0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 26.387 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX047615.D

Acq: 17 Sep 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

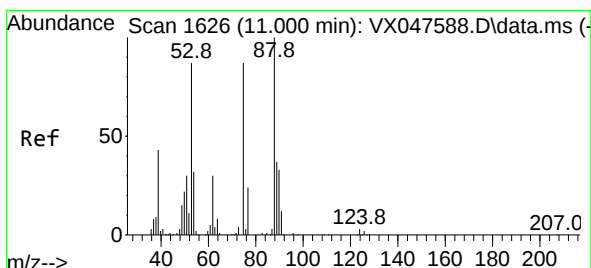
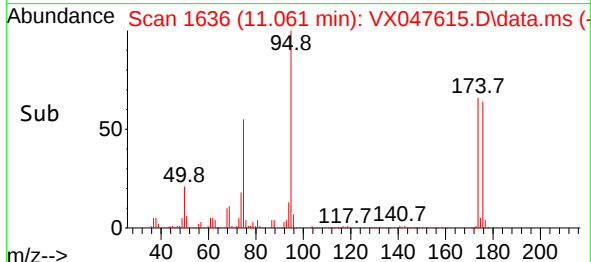
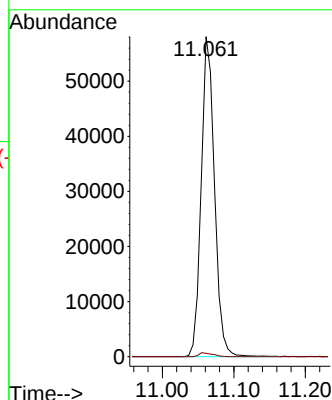
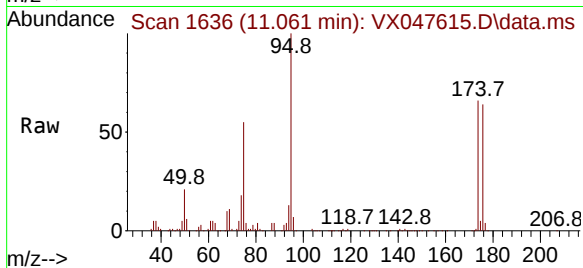
MW202D-20250909

Tgt Ion: 75 Resp: 74989

Ion Ratio Lower Upper

75 100

77 1.3 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.290 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX047615.D

Acq: 17 Sep 2025 14:06

Tgt Ion: 75 Resp: 74989

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 36.3 54.5#

