

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072922\
 Data File : VX030307.D
 Acq On : 29 Jul 2022 16:56
 Operator : JC/MD
 Sample : N3861-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13

Quant Time: Aug 01 05:15:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

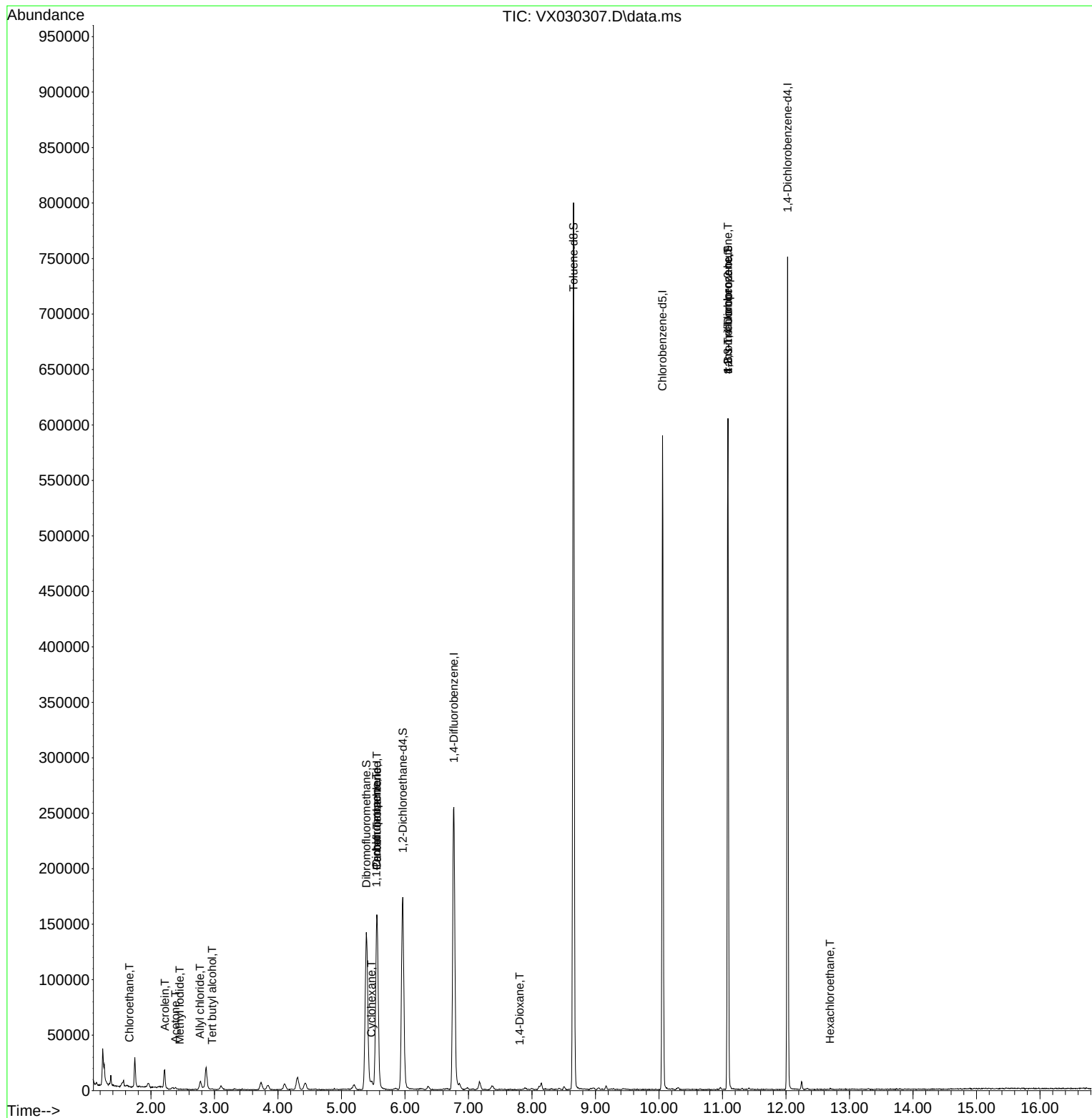
Internal Standards						
1) Pentafluorobenzene	5.556	168	144907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	260508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	163097	55.998	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.000%
35) Dibromofluoromethane	5.391	113	126612	50.842	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.680%
50) Toluene-d8	8.653	98	474127	49.162	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.320%
62) 4-Bromofluorobenzene	11.085	95	164040	45.832	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.660%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	209	Below Cal		88
6) Chloroethane	1.660	64	327	0.240 ug/l	#	41
10) Methyl Iodide	2.453	142	191	1.607 ug/l	#	45
11) Tert butyl alcohol	2.965	59	795	1.119 ug/l	#	74
13) Acrolein	2.221	56	644	3.688 ug/l	#	1
14) Allyl chloride	2.770	41	1913	0.410 ug/l	#	79
16) Acetone	2.386	43	1766	1.184 ug/l		95
20) Methylene Chloride	2.794	84	466	Below Cal	#	70
31) Cyclohexane	5.471	56	4885	1.155 ug/l	#	79
36) 1,1-Dichloropropene	5.550	75	12910	3.602 ug/l	#	48
38) Carbon Tetrachloride	5.556	117	14302	4.275 ug/l	#	18
49) 1,4-Dioxane	7.806	88	45	0.532 ug/l	#	1
67) Ethyl Benzene	10.208	91	315	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.085	75	83305	22.190 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.085	75	83305	66.569 ug/l	#	13
90) Hexachloroethane	12.695	117	485	0.298 ug/l	#	16

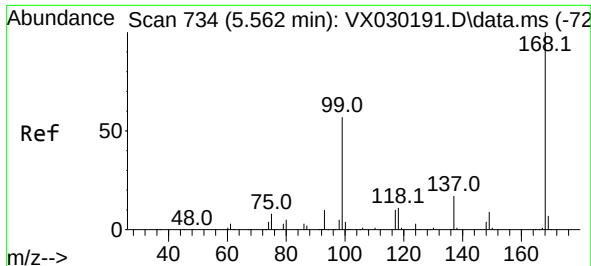
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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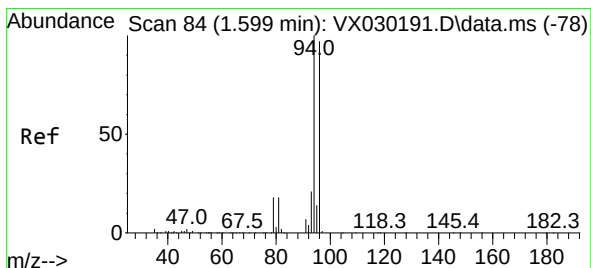
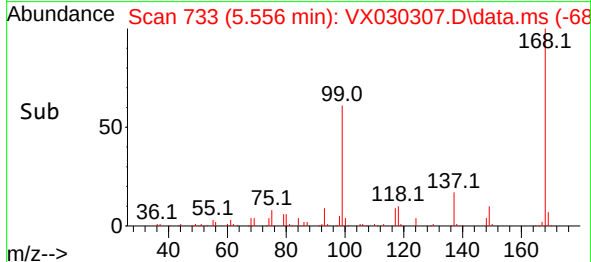
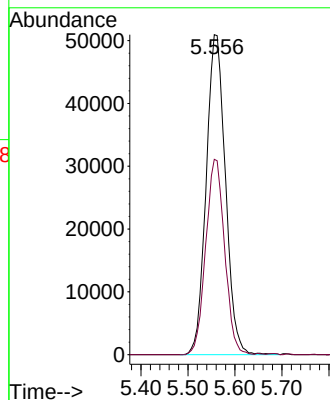
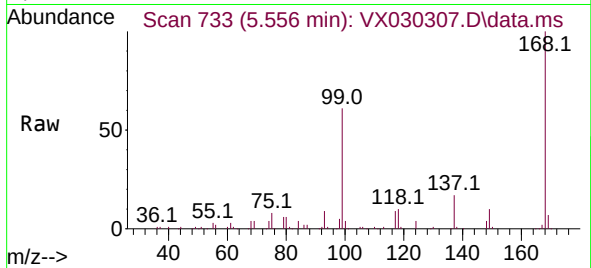




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

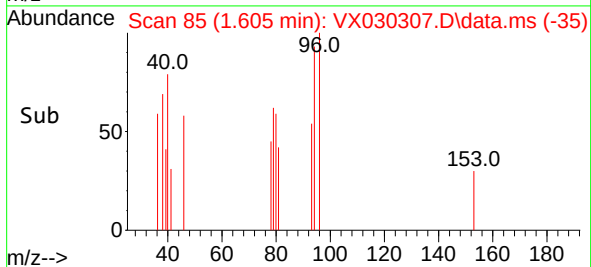
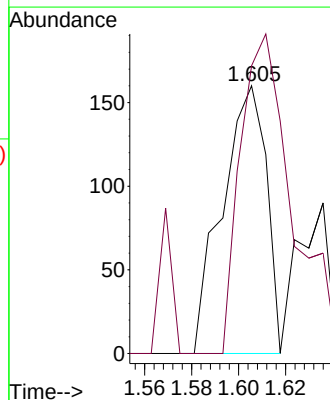
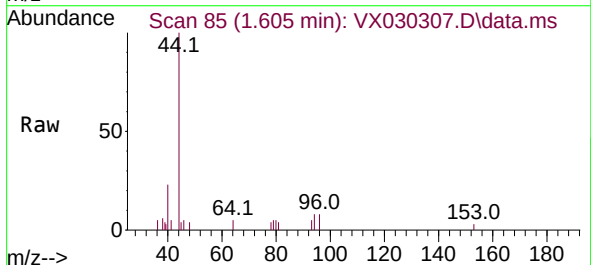
Instrument :
MSVOA_X
ClientSampleId :
MW-13

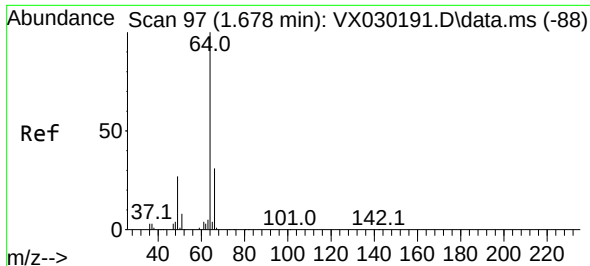
Tgt Ion:168 Resp: 144907
Ion Ratio Lower Upper
168 100
99 61.1 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

Tgt Ion: 94 Resp: 209
Ion Ratio Lower Upper
94 100
96 107.5 76.9 115.3

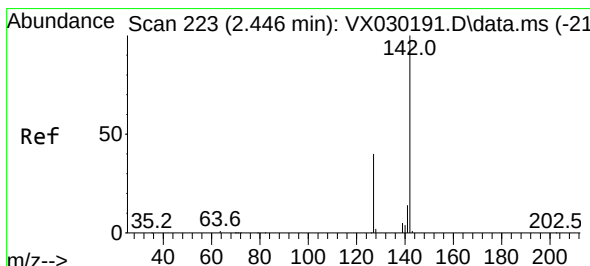
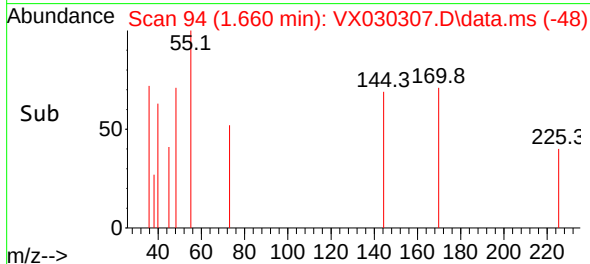
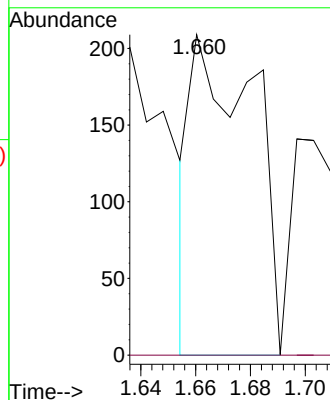
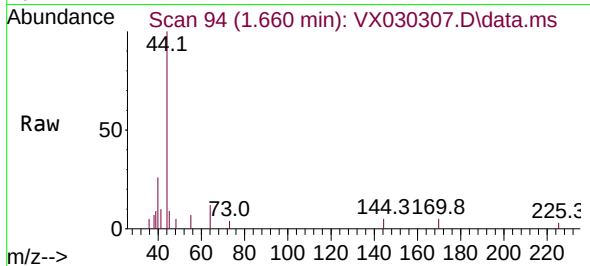




#6
Chloroethane
Concen: 0.240 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

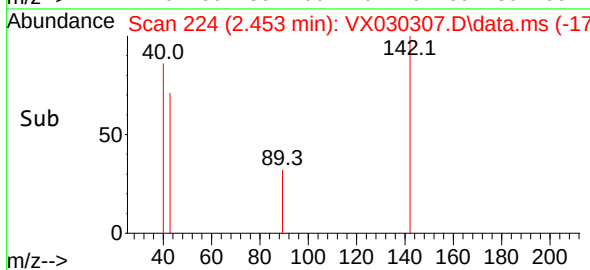
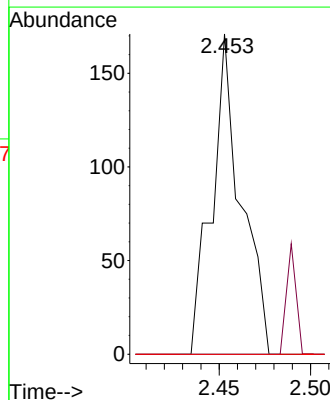
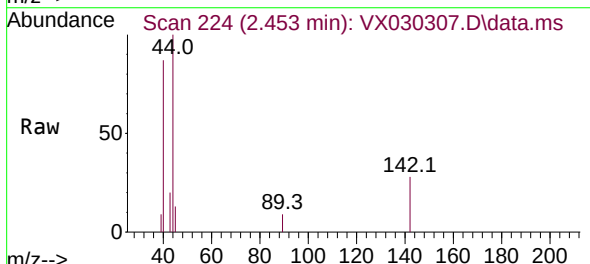
Instrument :
MSVOA_X
ClientSampleId :
MW-13

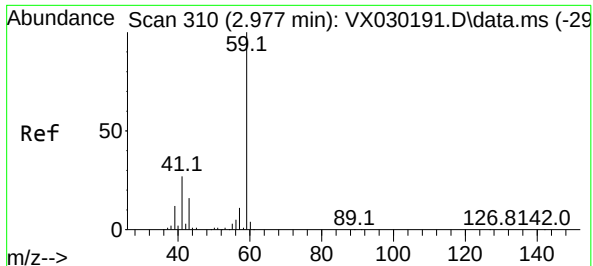
Tgt Ion: 64 Resp: 327
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 1.607 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.007 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

Tgt Ion: 142 Resp: 191
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 1.119 ug/l

RT: 2.965 min Scan# 30

Delta R.T. -0.012 min

Lab File: VX030307.D

Acq: 29 Jul 2022 16:56

Instrument :

MSVOA_X

ClientSampleId :

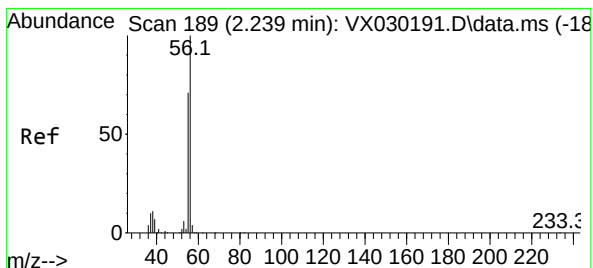
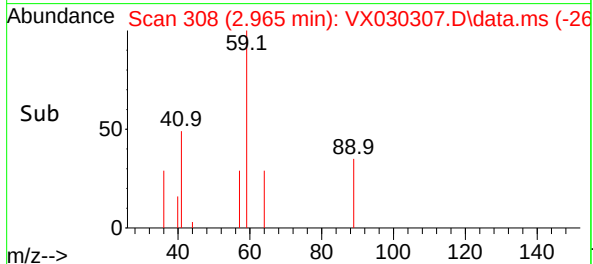
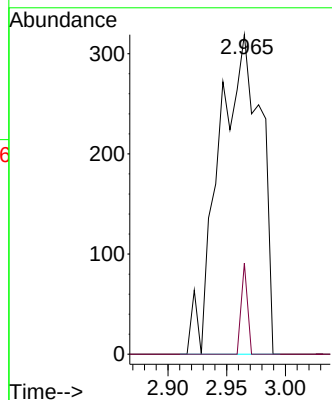
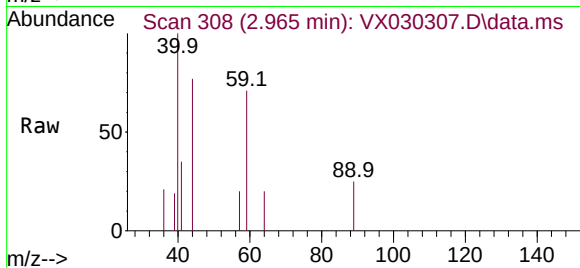
MW-13

Tgt Ion: 59 Resp: 795

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 3.688 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.018 min

Lab File: VX030307.D

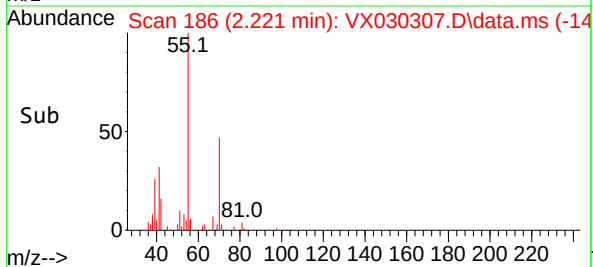
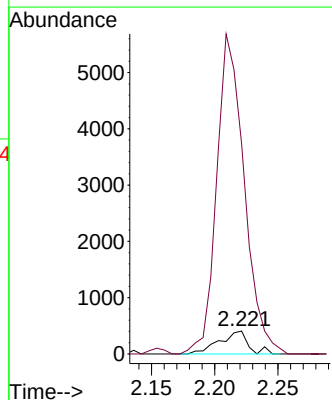
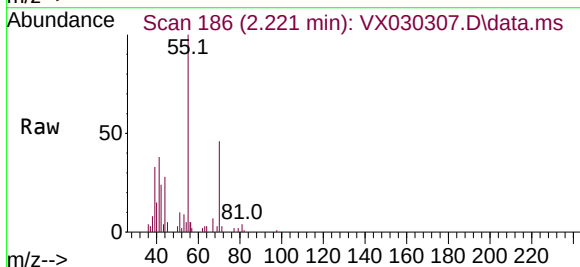
Acq: 29 Jul 2022 16:56

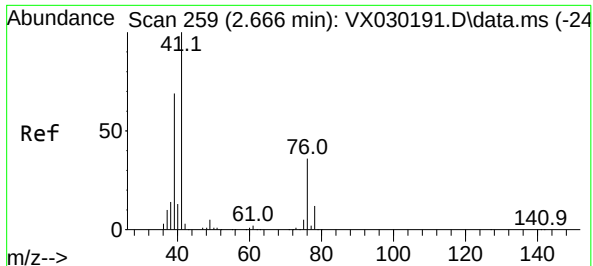
Tgt Ion: 56 Resp: 644

Ion Ratio Lower Upper

56 100

55 1338.4 56.6 84.8#

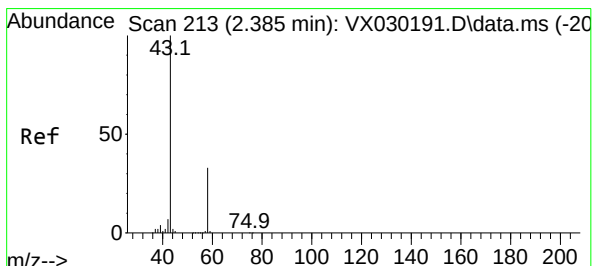
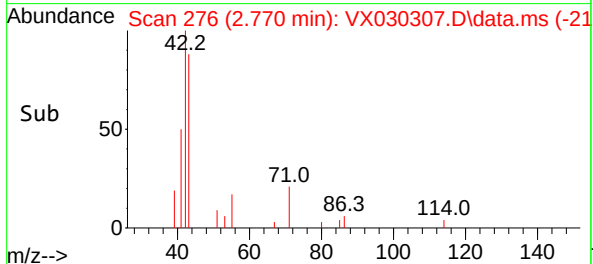
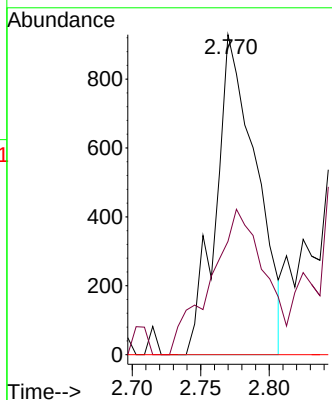
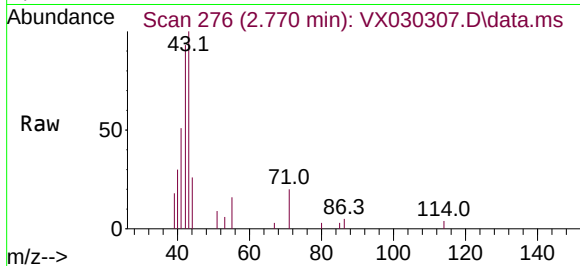




#14
 Allyl chloride
 Concen: 0.410 ug/l
 RT: 2.770 min Scan# 213
 Delta R.T. 0.104 min
 Lab File: VX030307.D
 Acq: 29 Jul 2022 16:56

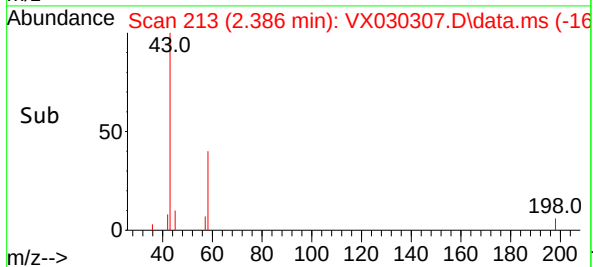
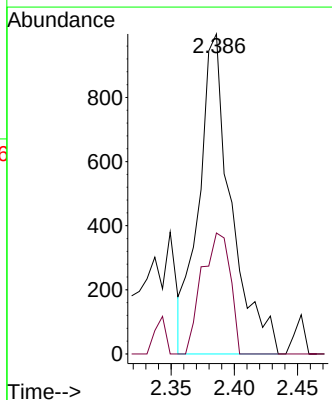
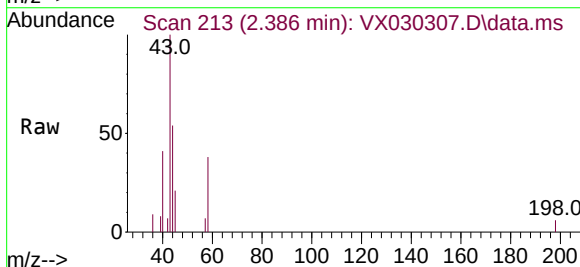
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13

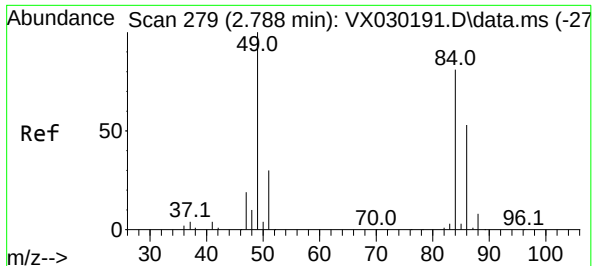
Tgt Ion: 41 Resp: 1913
 Ion Ratio Lower Upper
 41 100
 39 60.9 48.9 73.3
 76 0.0 26.9 40.3#



#16
 Acetone
 Concen: 1.184 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.001 min
 Lab File: VX030307.D
 Acq: 29 Jul 2022 16:56

Tgt Ion: 43 Resp: 1766
 Ion Ratio Lower Upper
 43 100
 58 37.8 27.7 41.5

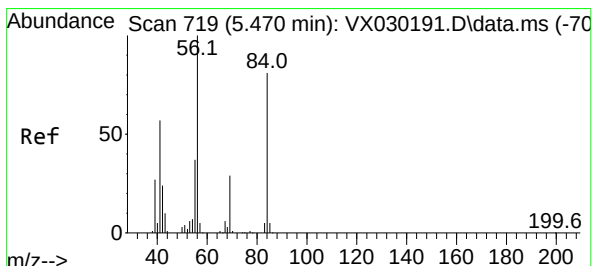
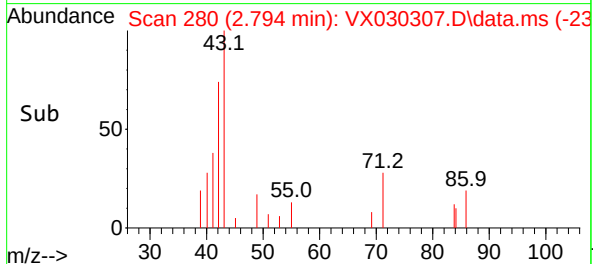
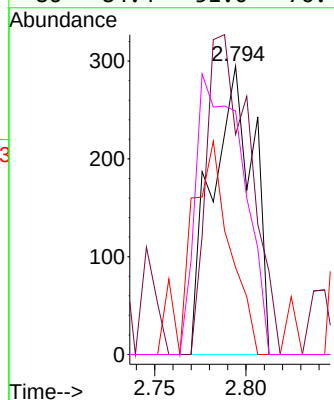
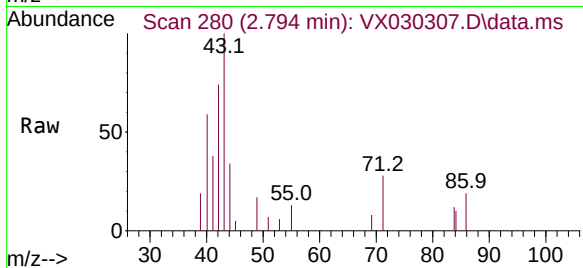




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

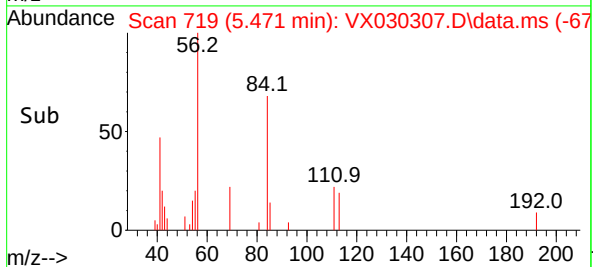
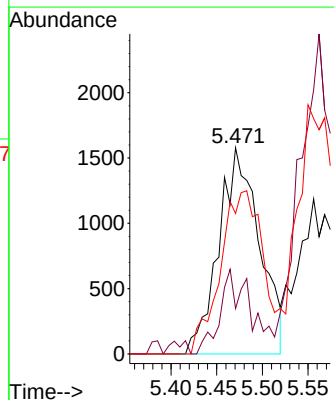
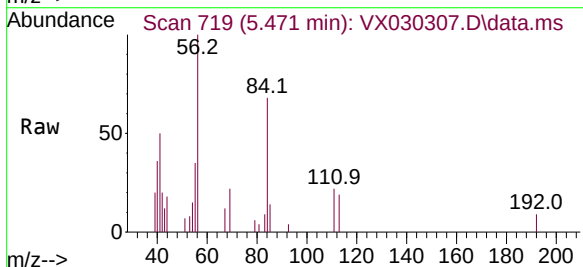
Instrument :
MSVOA_X
ClientSampleId :
MW-13

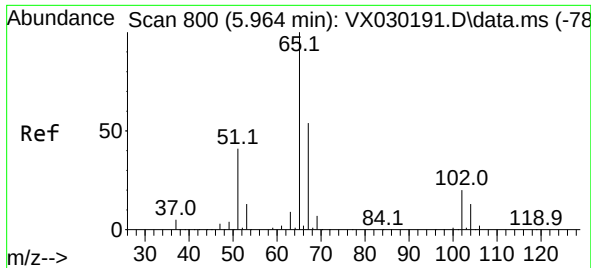
Tgt Ion: 84	Resp: 466
Ion Ratio	Lower Upper
84 100	
49 76.3	93.8 140.6#
51 30.2	29.4 44.0
86 84.4	51.0 76.4#



#31
Cyclohexane
Concen: 1.155 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.001 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

Tgt Ion: 56	Resp:	4885	
Ion	Ratio	Lower	Upper
56	100		
69	18.7	25.4	38.0#
84	68.1	68.9	103.3#

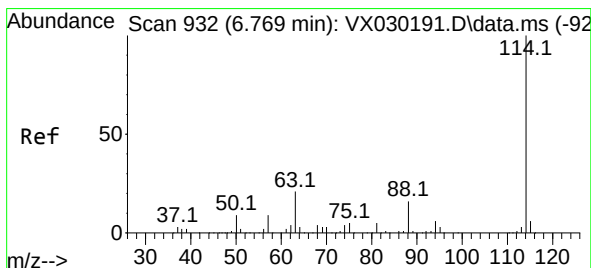
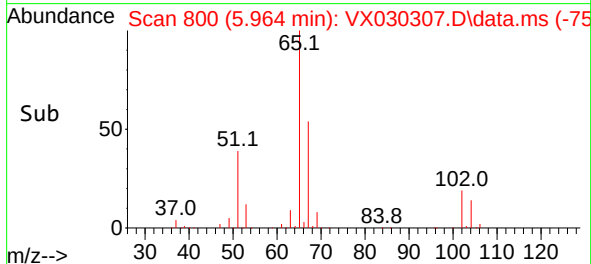
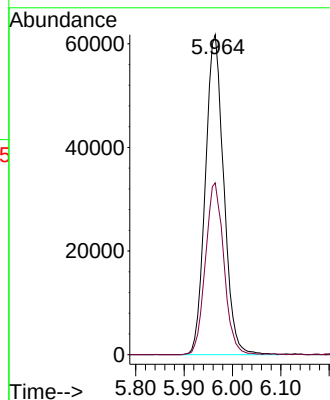
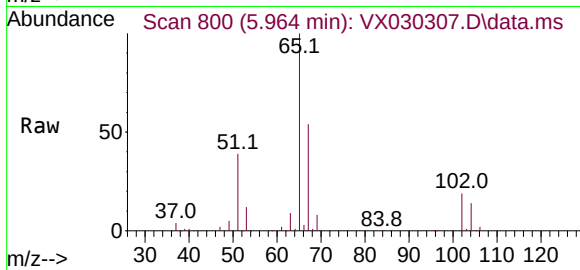




#33
 1,2-Dichloroethane-d4
 Concen: 55.998 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX030307.D
 Acq: 29 Jul 2022 16:56

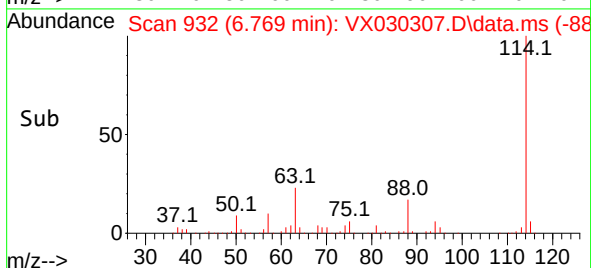
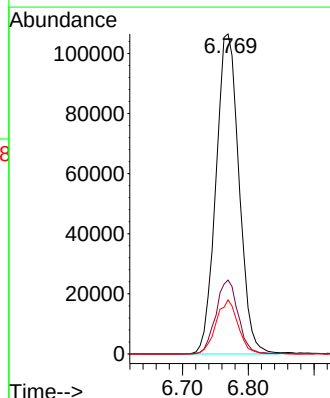
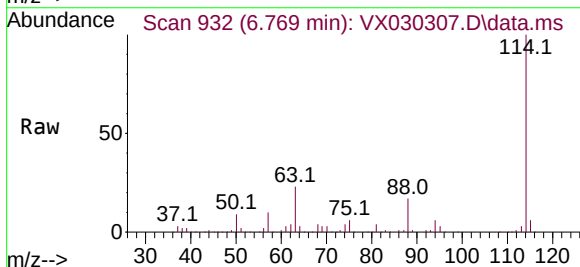
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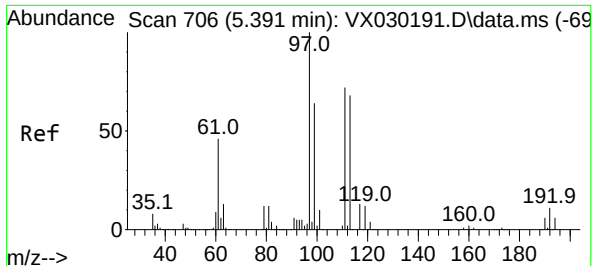
Tgt Ion: 65 Resp: 163097
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX030307.D
 Acq: 29 Jul 2022 16:56

Tgt Ion: 114 Resp: 260508
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 38.4
 88 16.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.842 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030307.D

Acq: 29 Jul 2022 16:56

Instrument :

MSVOA_X

ClientSampleId :

MW-13

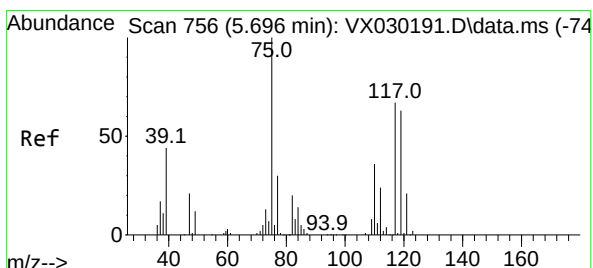
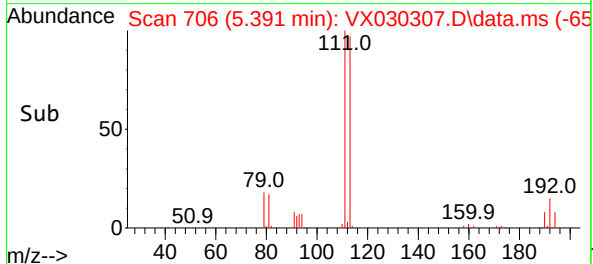
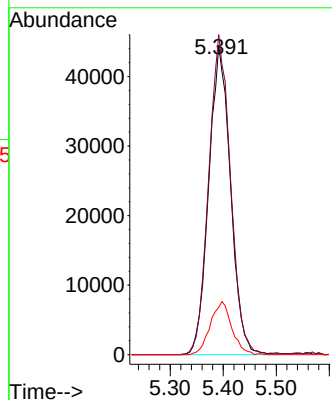
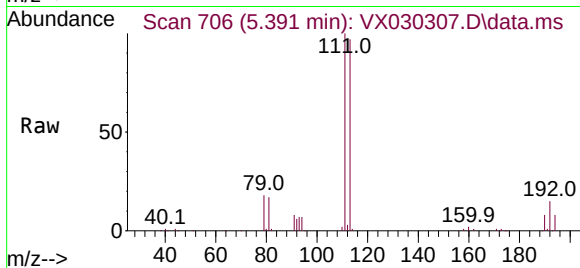
Tgt Ion:113 Resp: 126612

Ion Ratio Lower Upper

113 100

111 103.7 83.2 124.8

192 16.9 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.602 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX030307.D

Acq: 29 Jul 2022 16:56

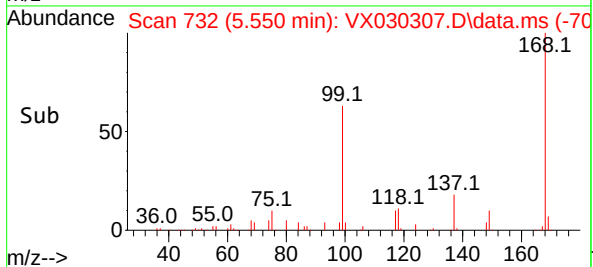
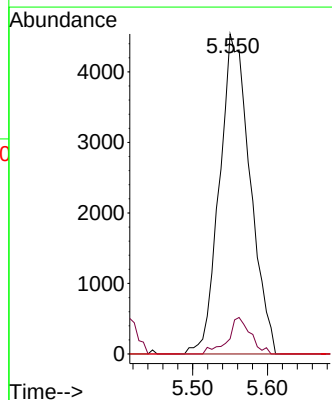
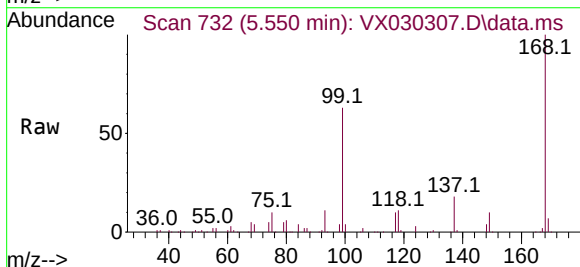
Tgt Ion: 75 Resp: 12910

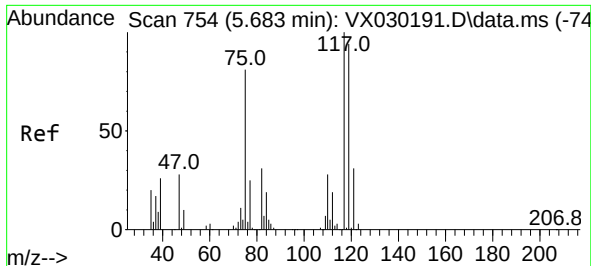
Ion Ratio Lower Upper

75 100

110 8.5 19.3 57.9#

77 0.0 24.4 36.6#

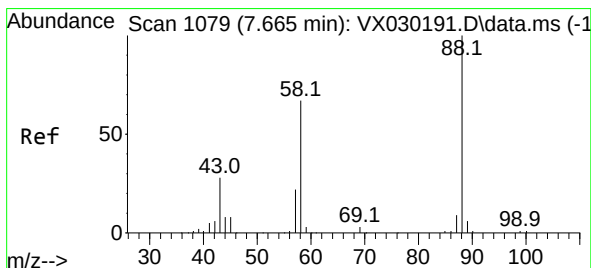
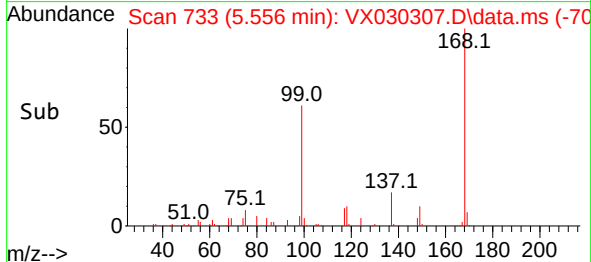
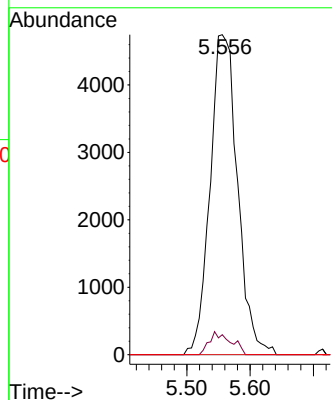
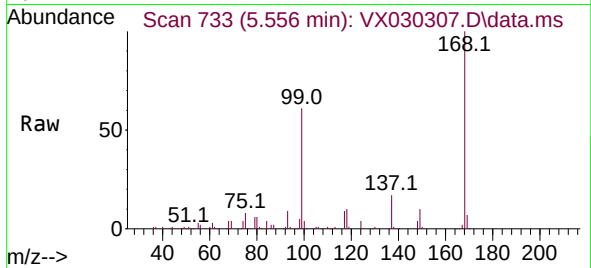




#38
Carbon Tetrachloride
Concen: 4.275 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

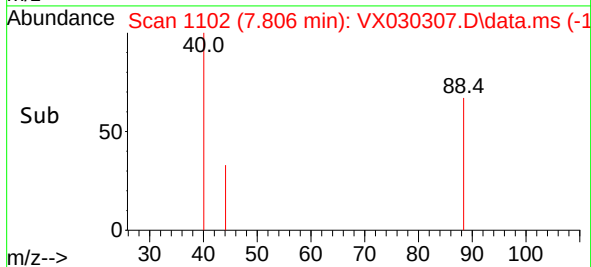
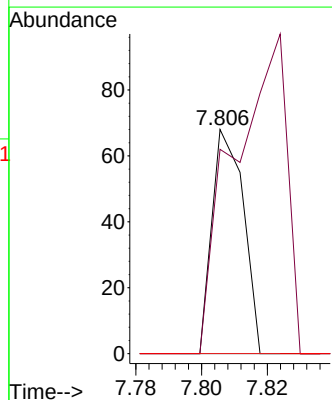
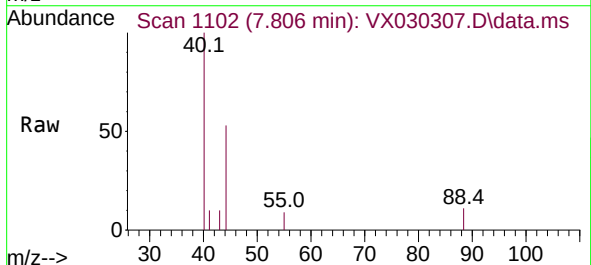
Instrument :
MSVOA_X
ClientSampleId :
MW-13

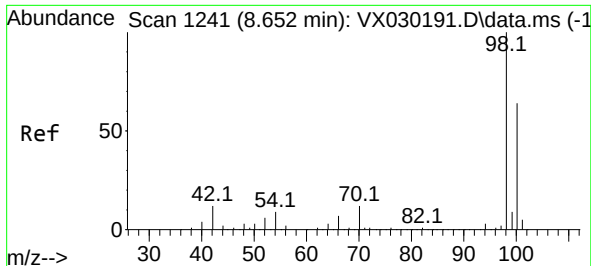
Tgt Ion:117 Resp: 14302
Ion Ratio Lower Upper
117 100
119 6.3 74.1 111.1#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 0.532 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 240.0 23.8 35.8#
58 0.0 53.8 80.6#

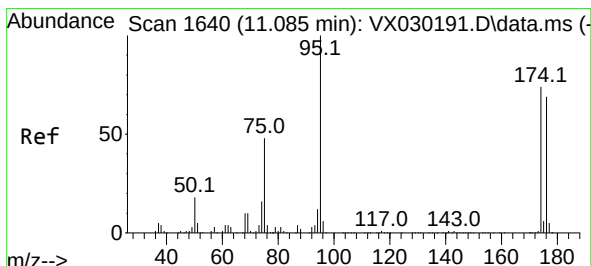
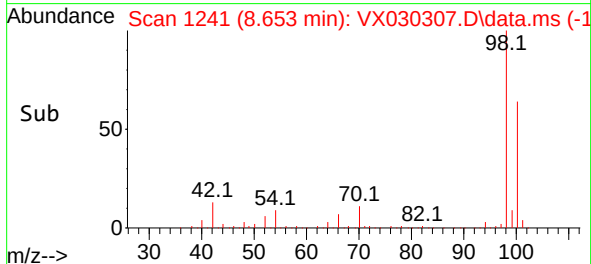
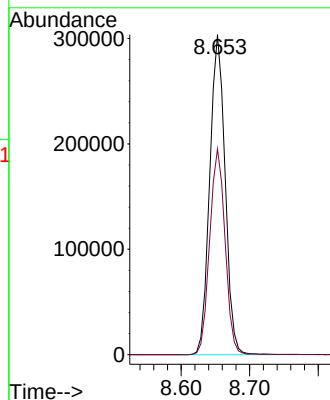
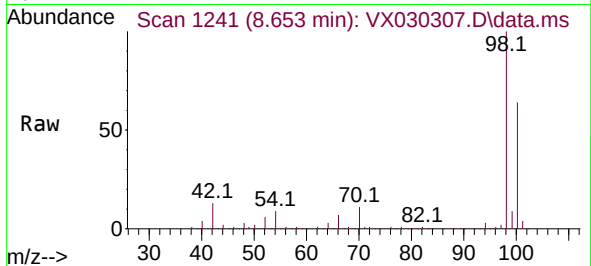




#50
Toluene-d8
Concen: 49.162 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

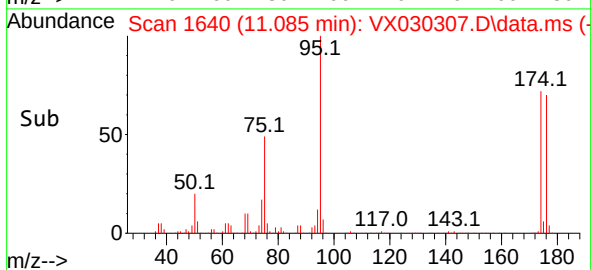
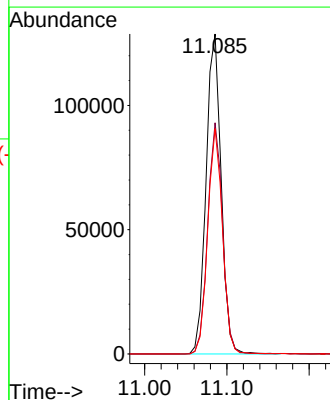
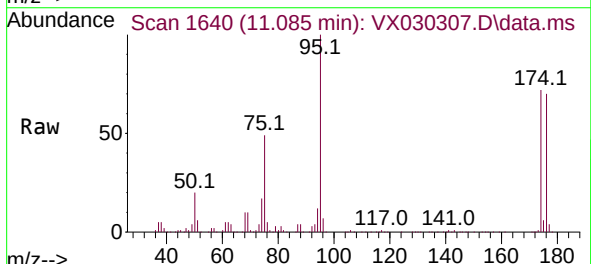
Instrument :
MSVOA_X
ClientSampleId :
MW-13

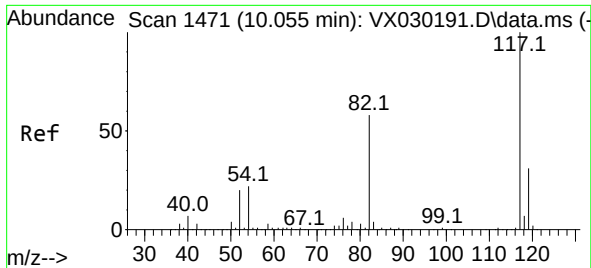
Tgt Ion: 98 Resp: 474127
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 45.832 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

Tgt Ion: 95 Resp: 164040
Ion Ratio Lower Upper
95 100
174 71.2 0.0 149.0
176 68.8 0.0 146.0

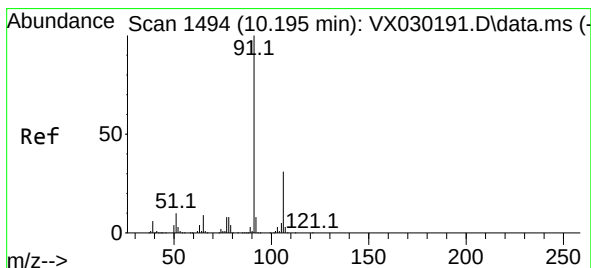
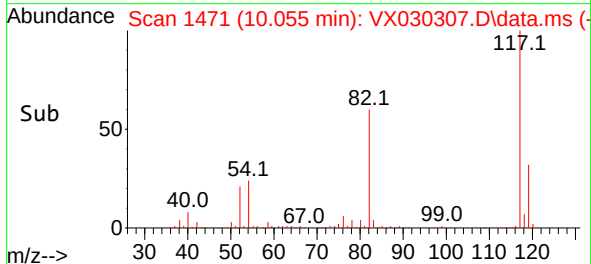
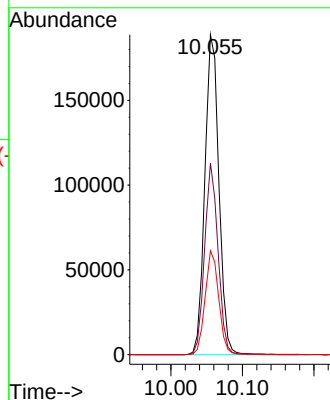
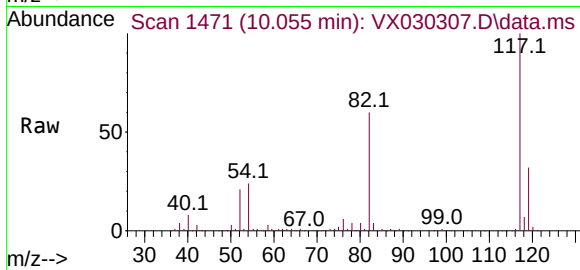




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

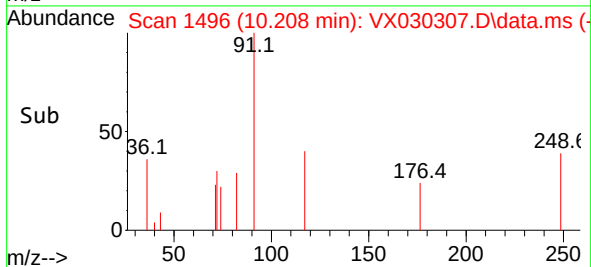
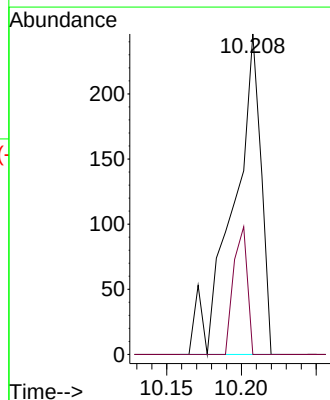
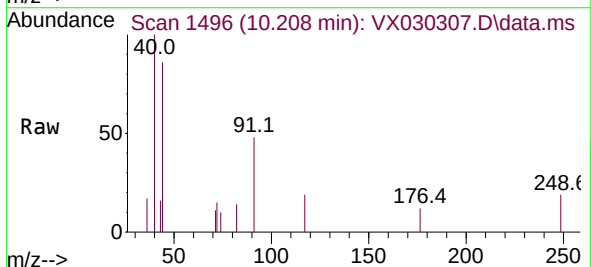
Instrument :
MSVOA_X
ClientSampleId :
MW-13

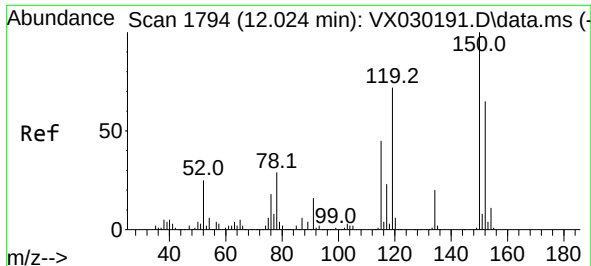
Tgt Ion:117 Resp: 258202
Ion Ratio Lower Upper
117 100
82 59.9 42.7 64.1
119 32.4 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.208 min Scan# 1496
Delta R.T. 0.013 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

Tgt Ion: 91 Resp: 315
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#

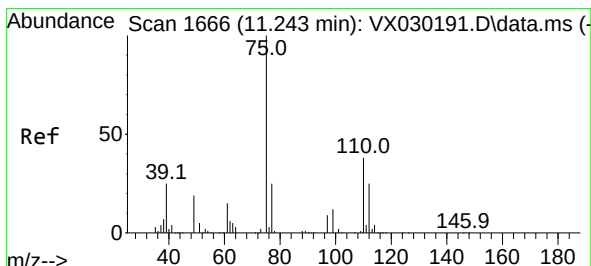
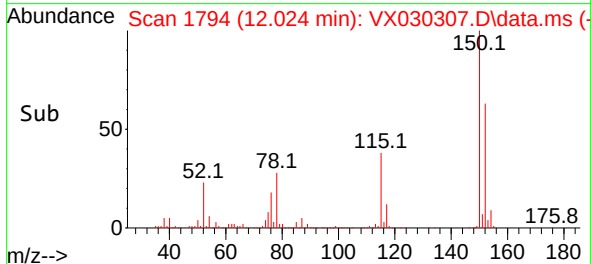
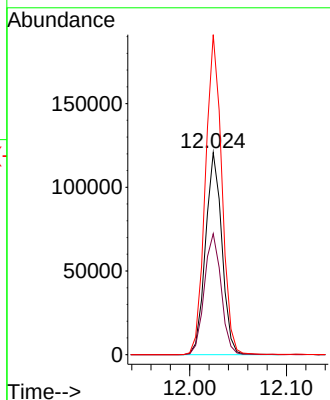
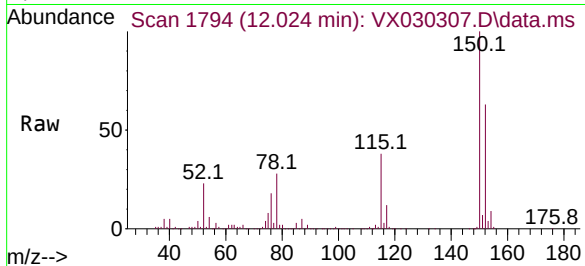




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030307.D
 Acq: 29 Jul 2022 16:56

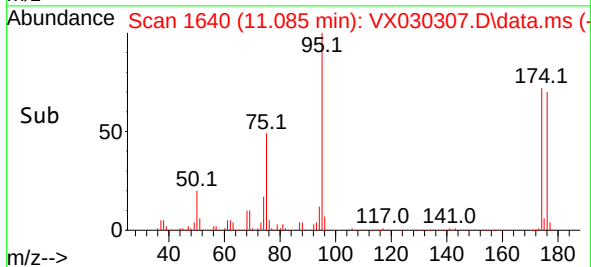
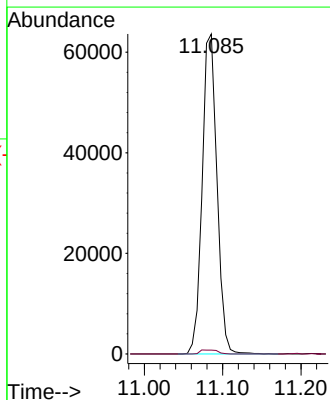
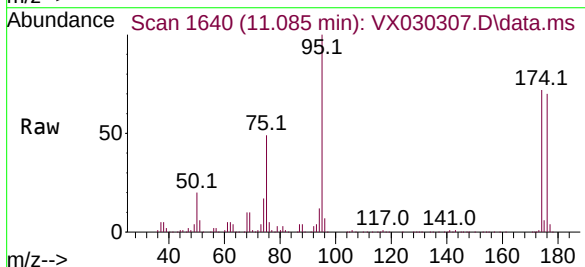
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13

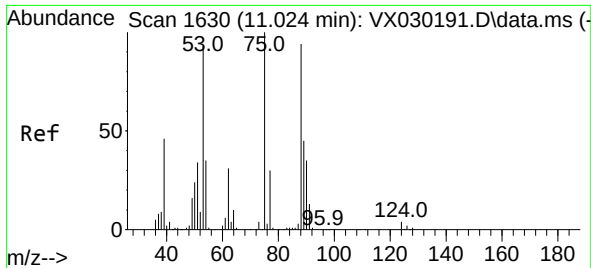
Tgt Ion:152 Resp: 142420
 Ion Ratio Lower Upper
 152 100
 115 61.5 40.5 121.5
 150 158.7 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 22.190 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030307.D
 Acq: 29 Jul 2022 16:56

Tgt Ion: 75 Resp: 83305
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.8 59.3#

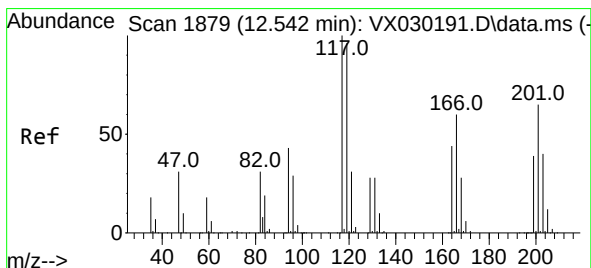
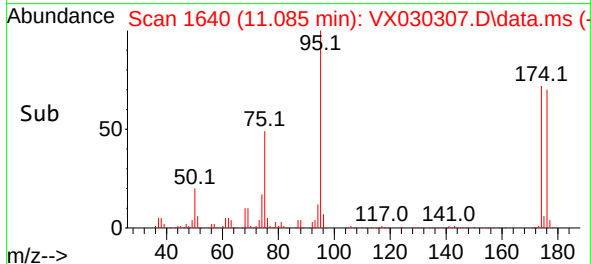
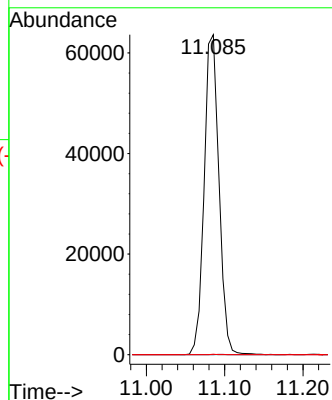
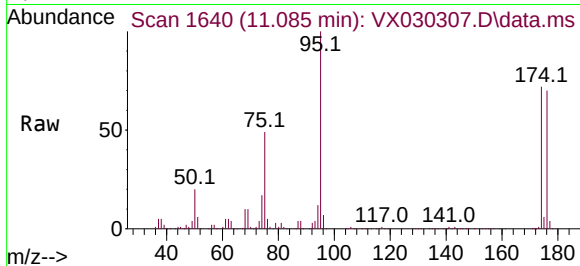




#81
trans-1,4-Dichloro-2-butene
Concen: 66.569 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

Instrument :
MSVOA_X
ClientSampleId :
MW-13

Tgt Ion: 75 Resp: 83305
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#



#90
Hexachloroethane
Concen: 0.298 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.153 min
Lab File: VX030307.D
Acq: 29 Jul 2022 16:56

Tgt Ion: 117 Resp: 485
Ion Ratio Lower Upper
117 100
201 0.0 34.2 102.5#

