

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083022\
 Data File : VX030951.D
 Acq On : 30 Aug 2022 20:07
 Operator : JC/MD
 Sample : N4281-09DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20220819DL

Quant Time: Sep 06 01:17:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

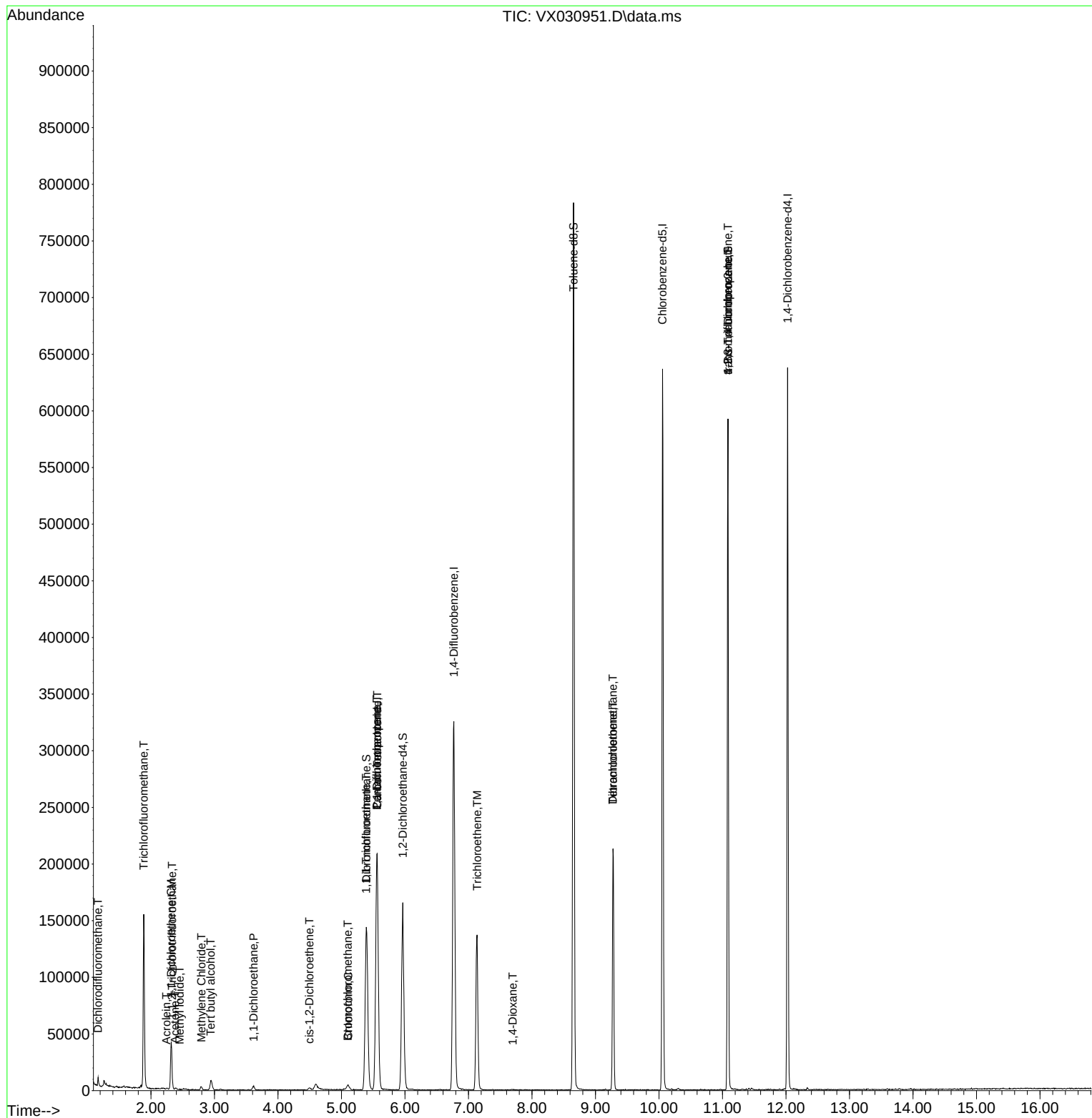
Internal Standards						
1) Pentafluorobenzene	5.556	168	203834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	347725	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	301215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	147981	50.617	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.240%	
35) Dibromofluoromethane	5.391	113	128506	50.134	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.260%	
50) Toluene-d8	8.653	98	491948	51.824	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.640%	
62) 4-Bromofluorobenzene	11.085	95	158388	46.855	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.720%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	4211	1.953	ug/l	90
5) Bromomethane	1.618	94	574	Below Cal	#	60
7) Trichlorofluoromethane	1.886	101	95856	24.546	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	1404	0.559	ug/l	91
10) Methyl Iodide	2.453	142	249	4.474	ug/l #	45
11) Tert butyl alcohol	2.941	59	4973	7.180	ug/l #	76
12) 1,1-Dichloroethene	2.319	96	13691	5.527	ug/l	99
13) Acrolein	2.239	56	66	7.456	ug/l #	50
16) Acetone	2.380	43	999	0.757	ug/l #	79
20) Methylene Chloride	2.794	84	1366	0.455	ug/l	87
24) 1,1-Dichloroethane	3.617	63	3809	0.785	ug/l #	94
27) cis-1,2-Dichloroethene	4.495	96	1355	0.438	ug/l	84
28) Bromochloromethane	5.099	49	329	0.210	ug/l #	12
30) Chloroform	5.105	83	5090	1.012	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	4364	1.023	ug/l #	49
36) 1,1-Dichloropropene	5.556	75	15811	4.150	ug/l #	46
38) Carbon Tetrachloride	5.562	117	20332	5.606	ug/l #	18
44) Trichloroethene	7.135	130	54533	16.858	ug/l	96
49) 1,4-Dioxane	7.696	88	464	5.675	ug/l #	84
60) Dibromochloromethane	9.275	129	40780	14.099	ug/l #	11
64) Tetrachloroethene	9.275	164	41541	14.581	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	76190	23.166	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	76190	68.877	ug/l #	12

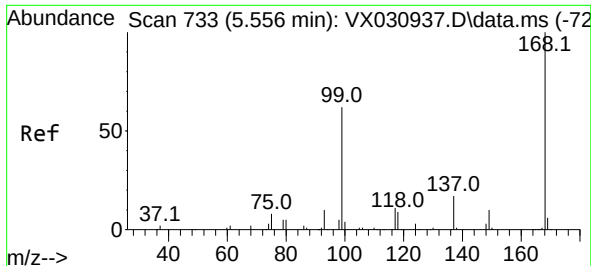
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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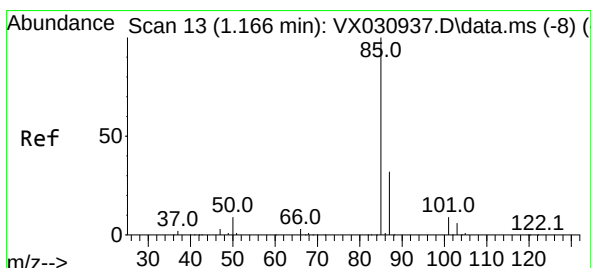
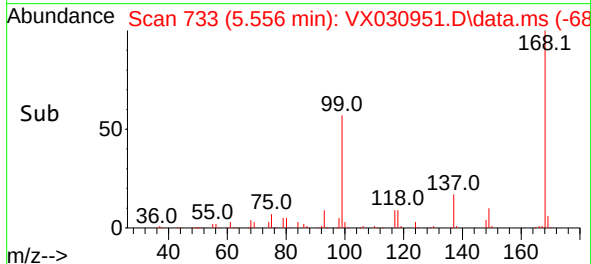
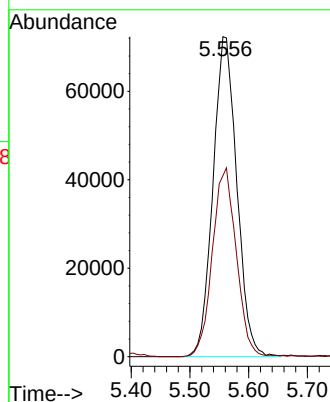
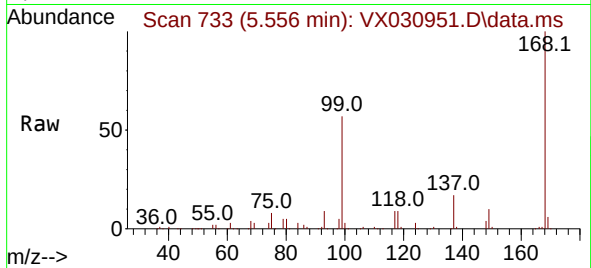




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

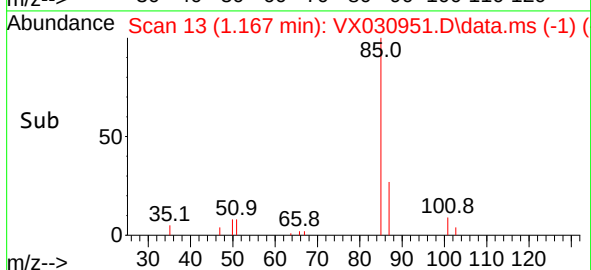
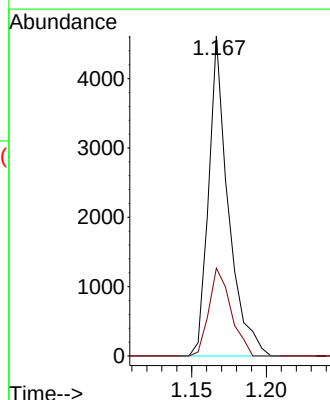
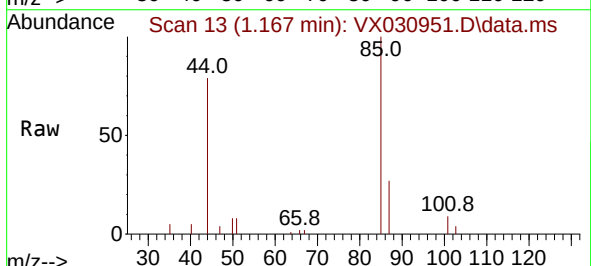
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20220819DL

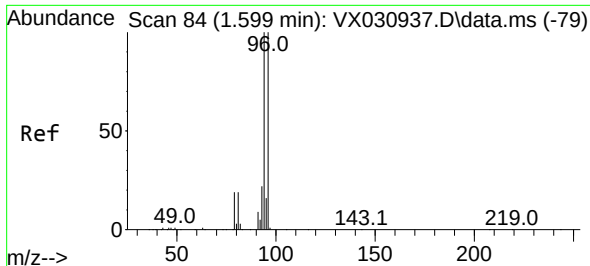
Tgt Ion:168 Resp: 203834
Ion Ratio Lower Upper
168 100
99 56.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 1.953 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

Tgt Ion: 85 Resp: 4211
Ion Ratio Lower Upper
85 100
87 27.5 16.5 49.5

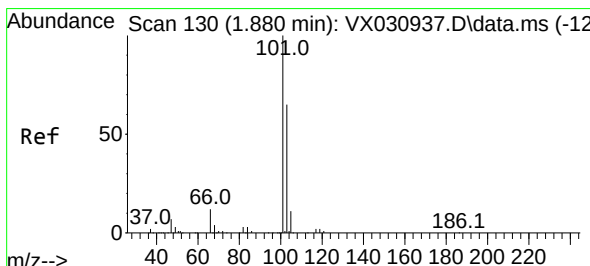
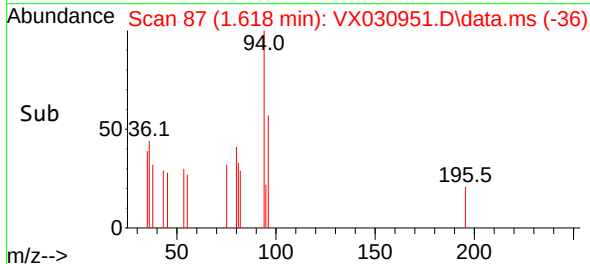
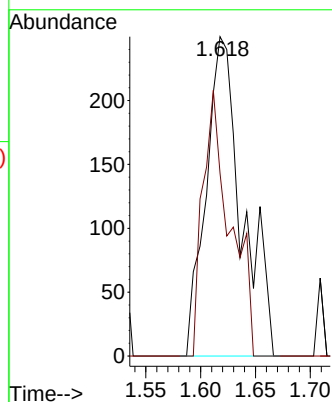
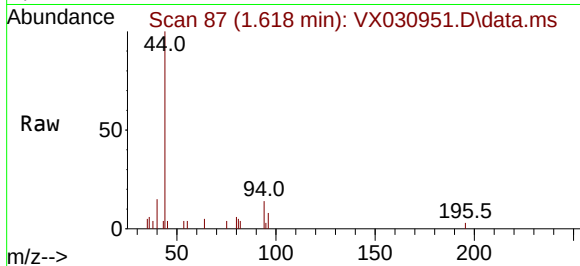




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

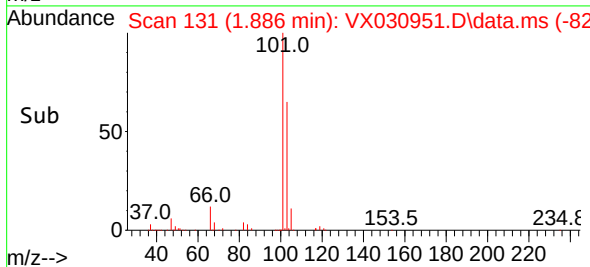
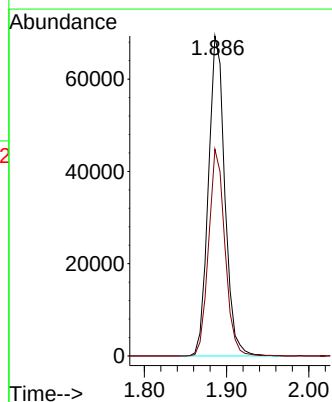
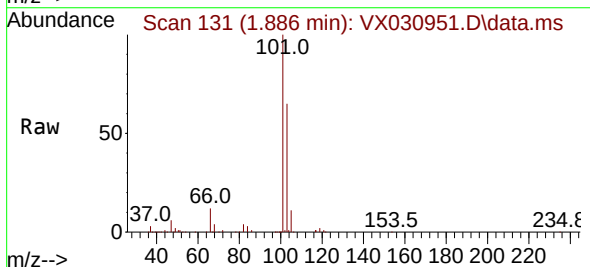
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20220819DL

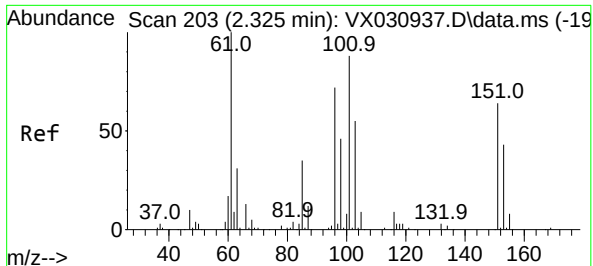
Tgt Ion: 94 Resp: 574
Ion Ratio Lower Upper
94 100
96 57.2 76.9 115.3#



#7
Trichlorofluoromethane
Concen: 24.546 ug/l
RT: 1.886 min Scan# 131
Delta R.T. -0.000 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

Tgt Ion:101 Resp: 95856
Ion Ratio Lower Upper
101 100
103 64.6 49.7 74.5

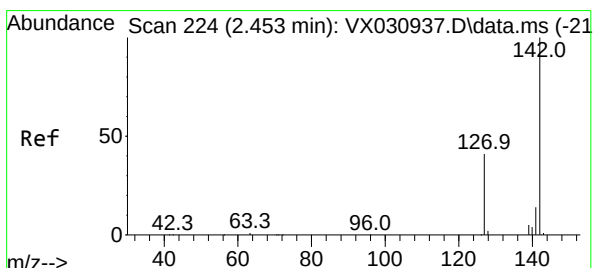
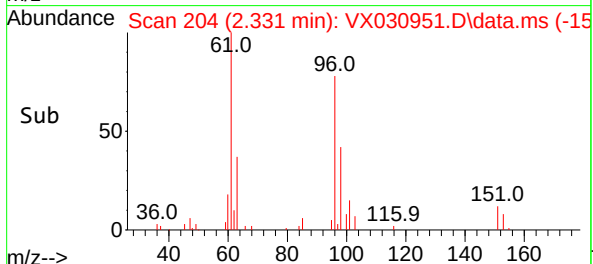
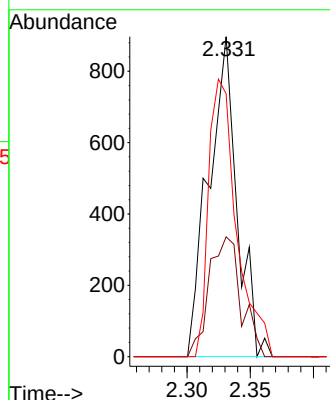
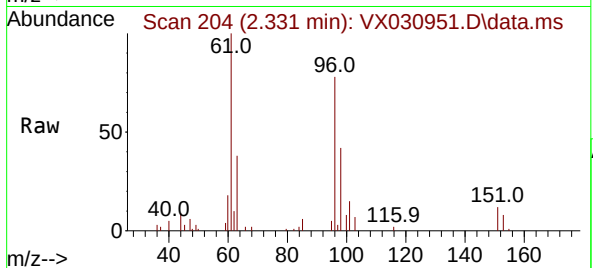




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.559 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

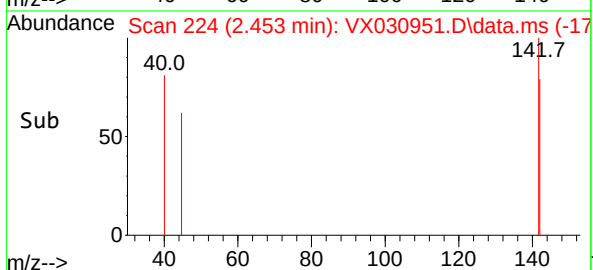
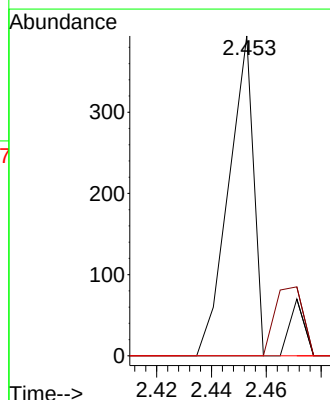
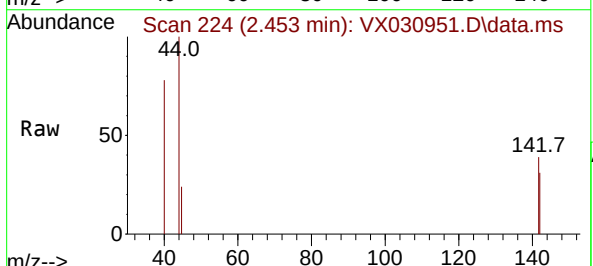
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20220819DL

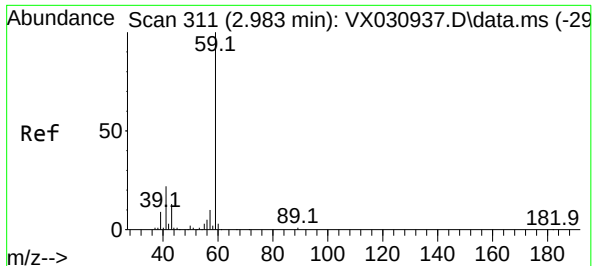
Tgt Ion:	101	Resp:	1404
Ion	Ratio	Lower	Upper
101	100		
85	42.0	34.0	51.0
151	85.5	59.4	89.0



#10
Methyl Iodide
Concen: 4.474 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

Tgt Ion:	142	Resp:	249
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: 7.180 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.048 min

Lab File: VX030951.D

Acq: 30 Aug 2022 20:07

Instrument :

MSVOA_X

ClientSampleId :

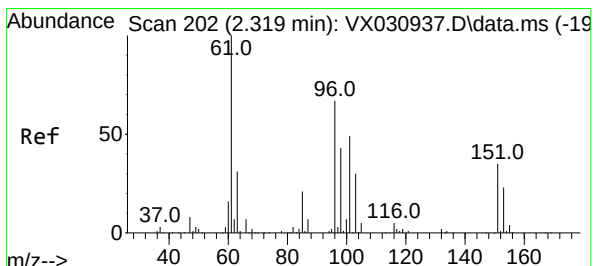
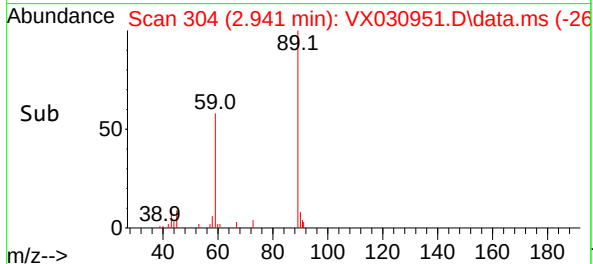
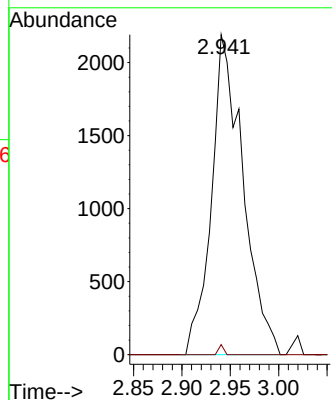
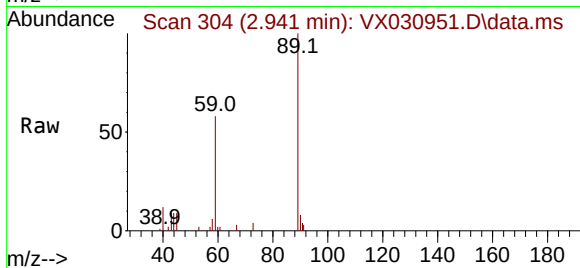
MW201D-20220819DL

Tgt Ion: 59 Resp: 4973

Ion Ratio Lower Upper

59 100

57 0.5 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 5.527 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX030951.D

Acq: 30 Aug 2022 20:07

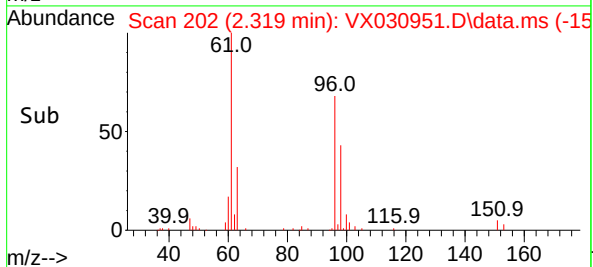
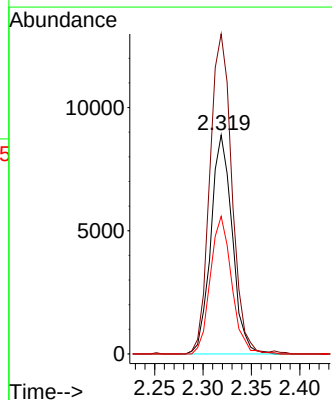
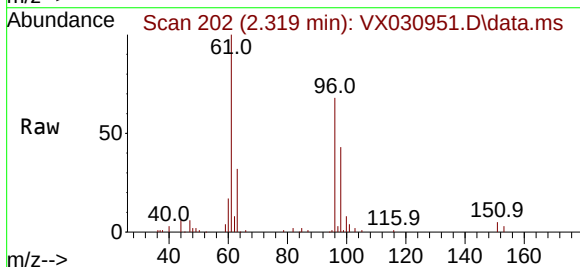
Tgt Ion: 96 Resp: 13691

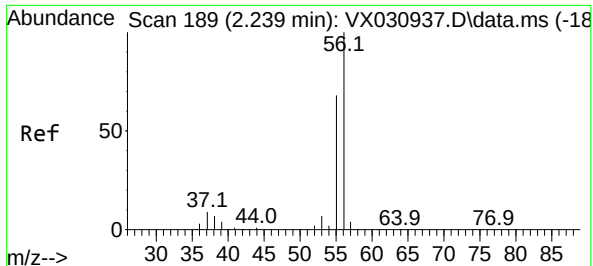
Ion Ratio Lower Upper

96 100

61 146.2 117.4 176.0

98 62.9 52.2 78.4

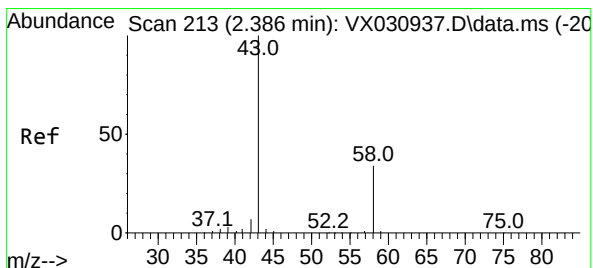
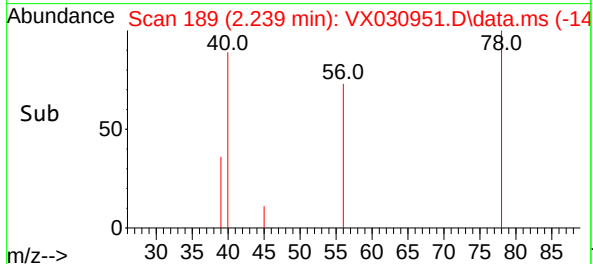
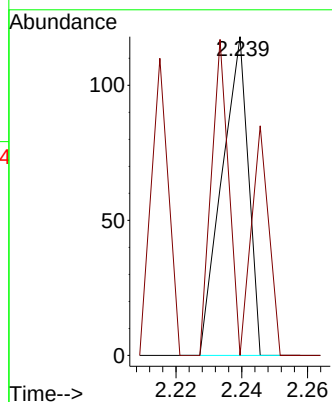
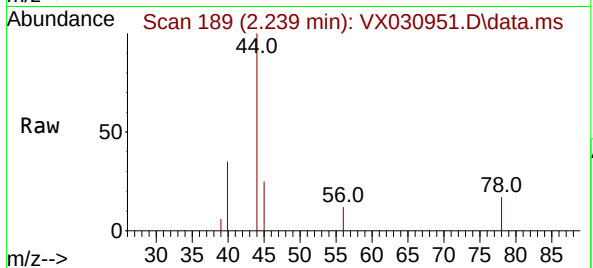




#13
Acrolein
Concen: 7.456 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

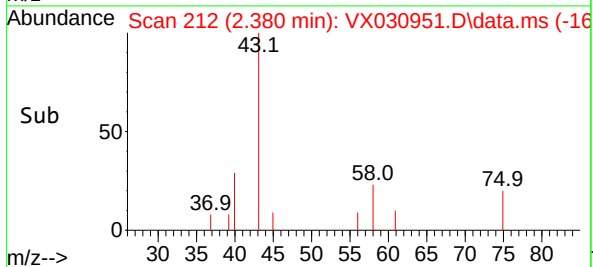
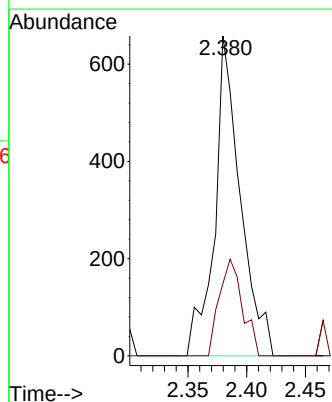
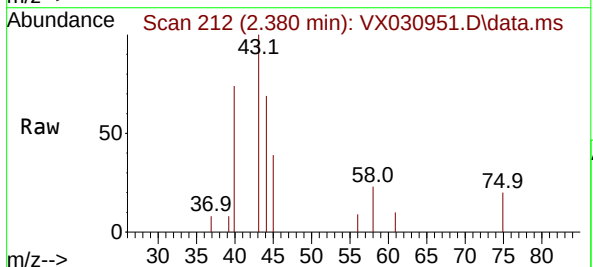
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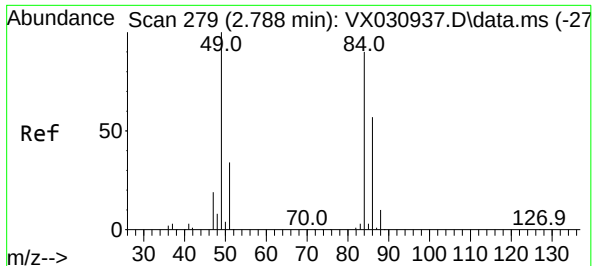
Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 112.1 56.6 84.8#



#16
Acetone
Concen: 0.757 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
58 22.6 27.7 41.5#

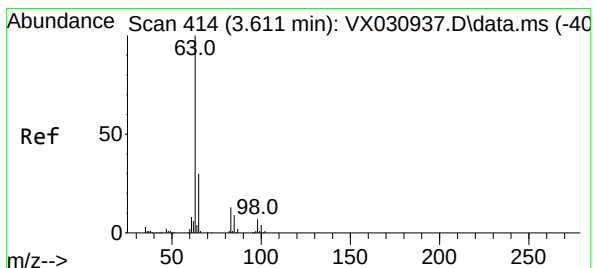
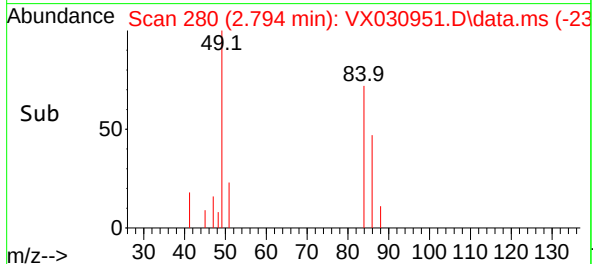
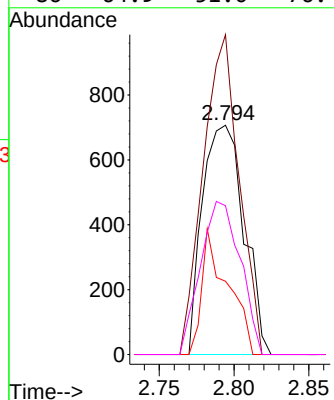
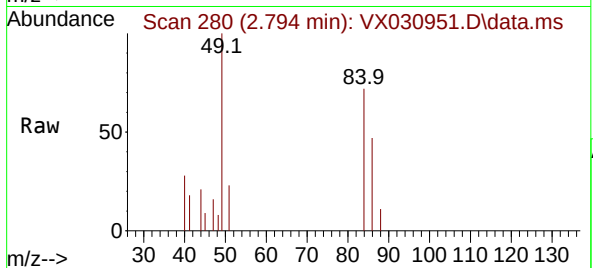




#20
Methylene Chloride
Concen: 0.455 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

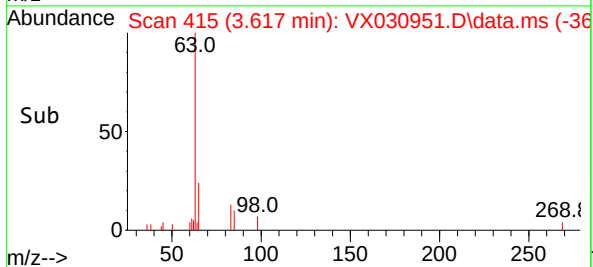
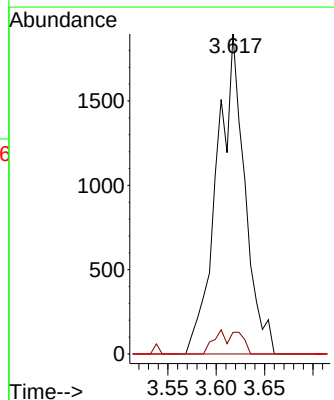
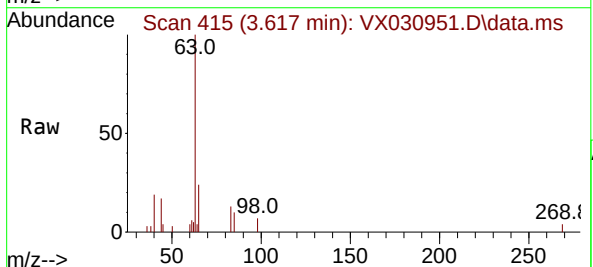
Instrument :
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ClientSampleId :
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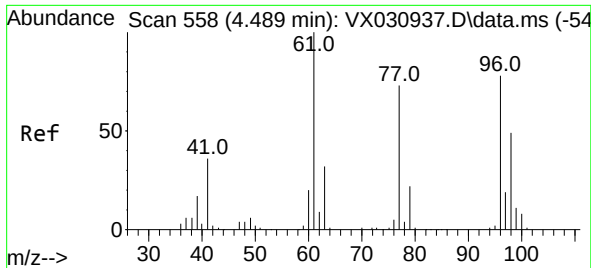
Tgt Ion:	84	Resp:	1366
Ion	Ratio	Lower	Upper
84	100		
49	139.5	93.8	140.6
51	32.0	29.4	44.0
86	64.9	51.0	76.4



#24
1,1-Dichloroethane
Concen: 0.785 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

Tgt Ion:	63	Resp:	3809
Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.5
100	0.0	2.3	6.9





#27

cis-1,2-Dichloroethene

Concen: 0.438 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX030951.D

Acq: 30 Aug 2022 20:07

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20220819DL

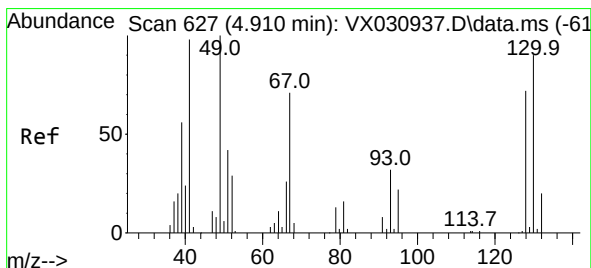
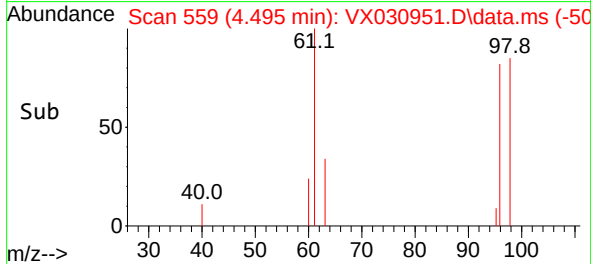
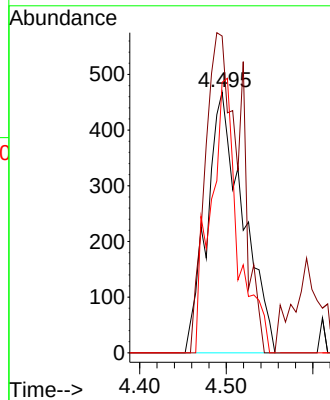
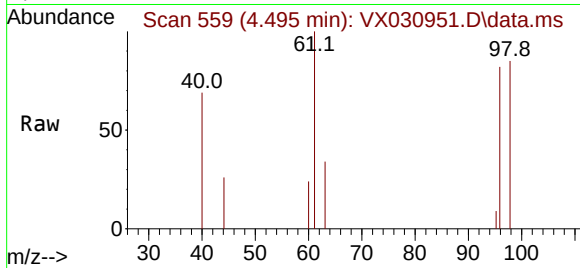
Tgt Ion: 96 Resp: 1355

Ion Ratio Lower Upper

96 100

61 119.7 0.0 270.0

98 80.6 0.0 127.8



#28

Bromochloromethane

Concen: 0.210 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.195 min

Lab File: VX030951.D

Acq: 30 Aug 2022 20:07

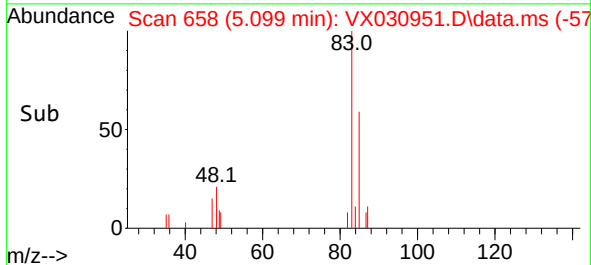
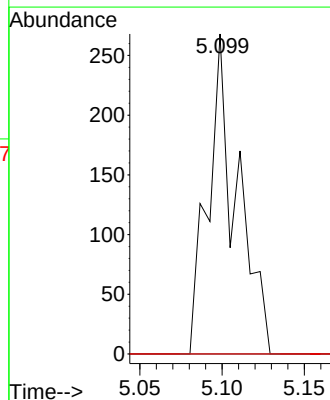
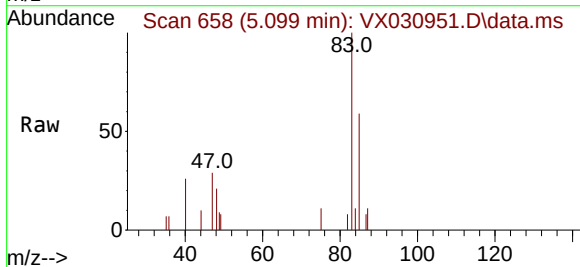
Tgt Ion: 49 Resp: 329

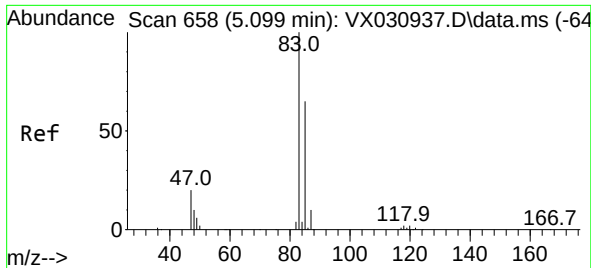
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

130 0.0 62.8 94.2#

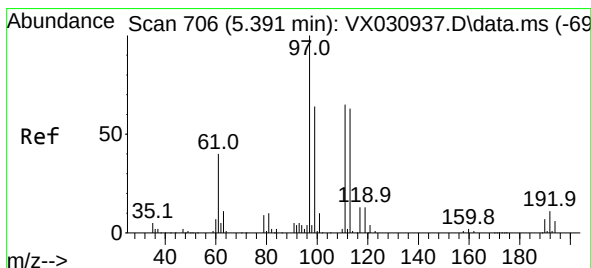
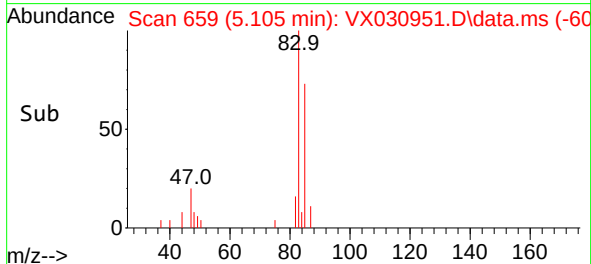
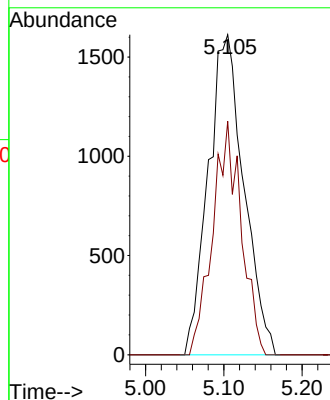
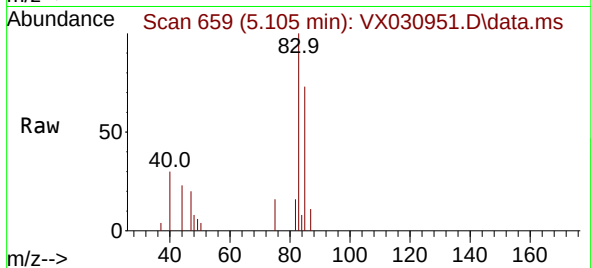




#30
Chloroform
Concen: 1.012 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

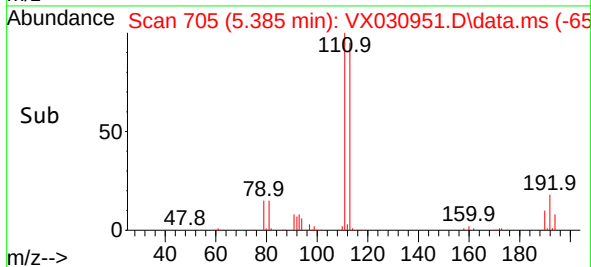
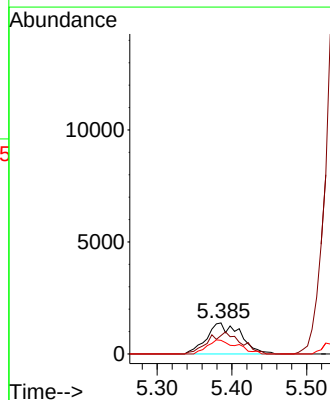
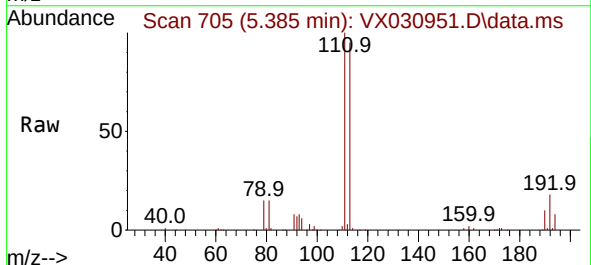
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20220819DL

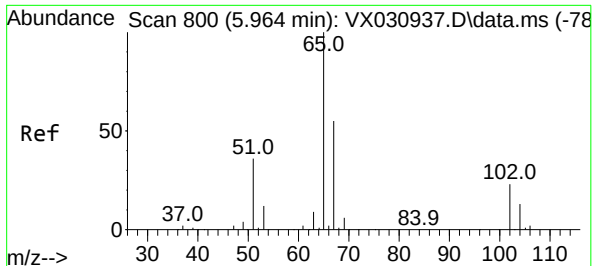
Tgt Ion: 83 Resp: 5090
Ion Ratio Lower Upper
83 100
85 73.0 51.5 77.3



#32
1,1,1-Trichloroethane
Concen: 1.023 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

Tgt Ion: 97 Resp: 4364
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 39.9 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 50.617 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030951.D

Acq: 30 Aug 2022 20:07

Instrument :

MSVOA_X

ClientSampleId :

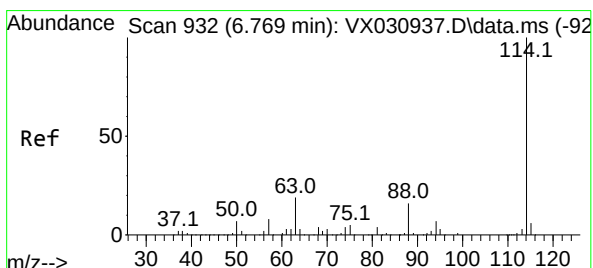
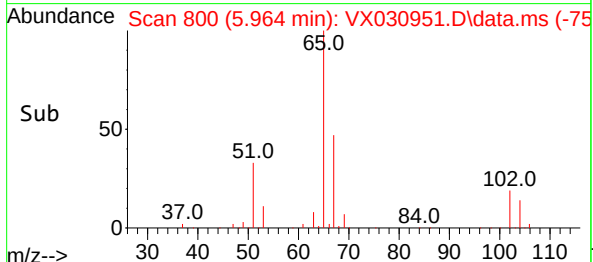
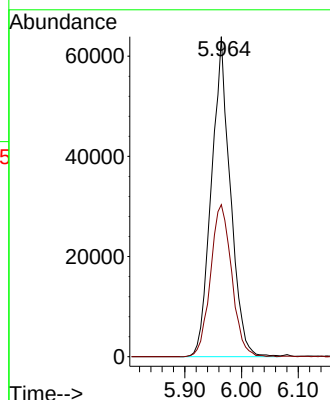
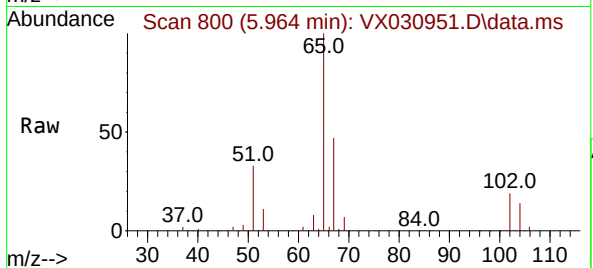
MW201D-20220819DL

Tgt Ion: 65 Resp: 147981

Ion Ratio Lower Upper

65 100

67 53.2 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: VX030951.D

Acq: 30 Aug 2022 20:07

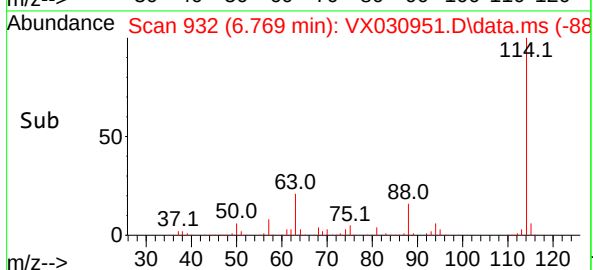
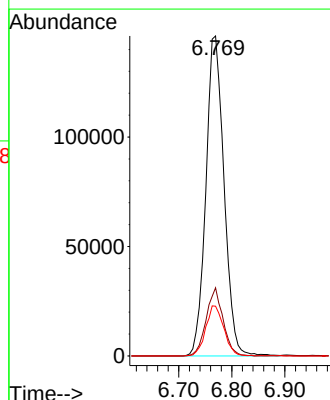
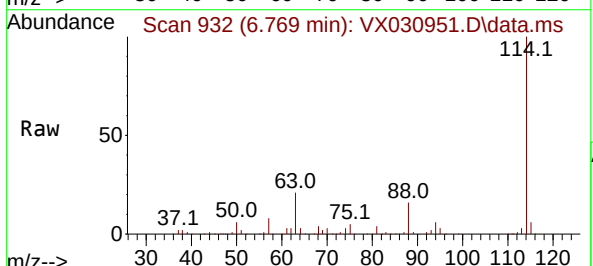
Tgt Ion: 114 Resp: 347725

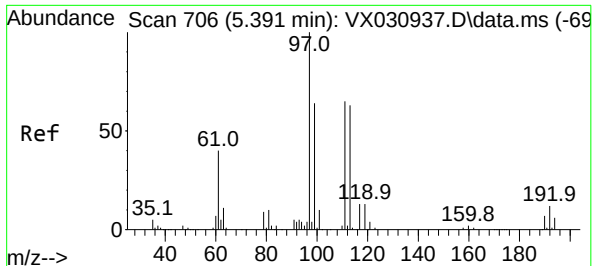
Ion Ratio Lower Upper

114 100

63 21.3 0.0 38.4

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.134 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030951.D

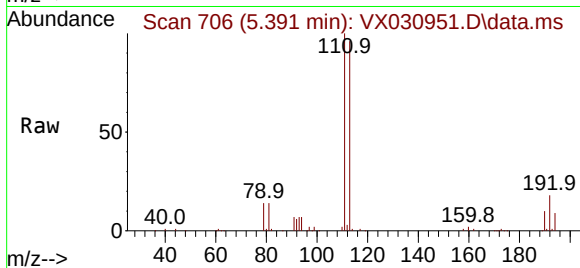
Acq: 30 Aug 2022 20:07

Instrument :

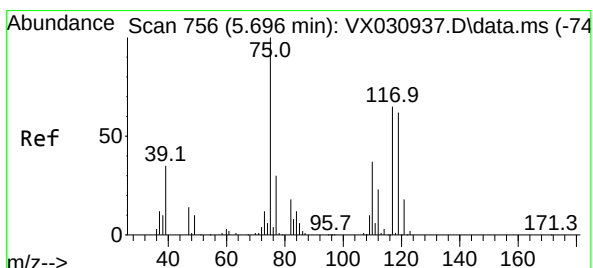
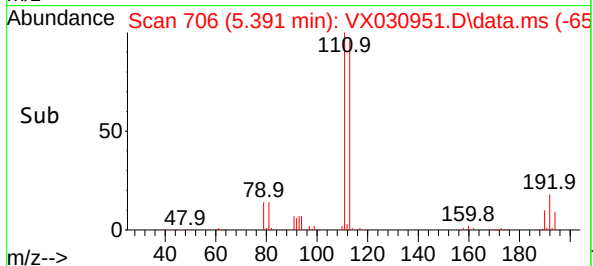
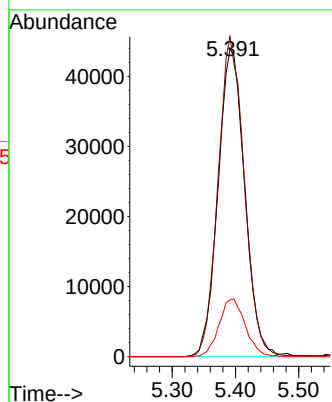
MSVOA_X

ClientSampleId :

MW201D-20220819DL



Tgt Ion:	113	Resp:	128506
Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.2	124.8
192	18.5	14.8	22.2



#36

1,1-Dichloropropene

Concen: 4.150 ug/l

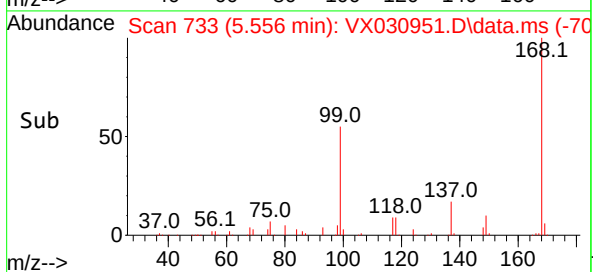
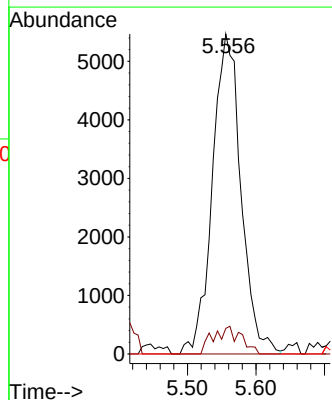
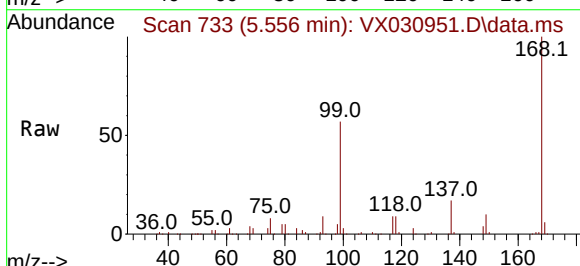
RT: 5.556 min Scan# 733

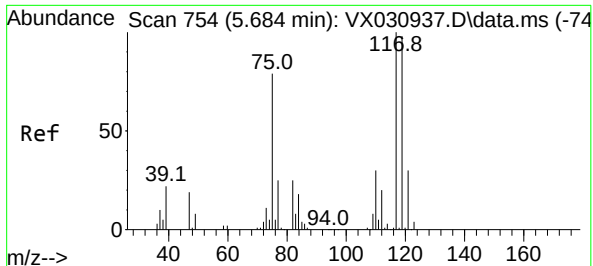
Delta R.T. -0.140 min

Lab File: VX030951.D

Acq: 30 Aug 2022 20:07

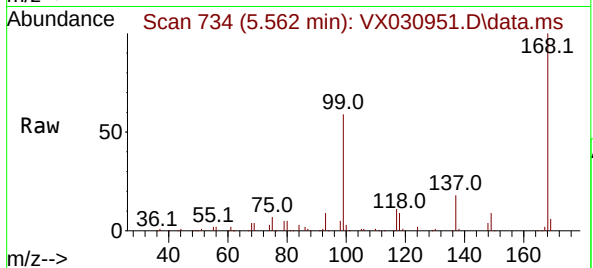
Tgt Ion:	75	Resp:	15811
Ion	Ratio	Lower	Upper
75	100		
110	6.6	19.3	57.9#
77	0.0	24.4	36.6#



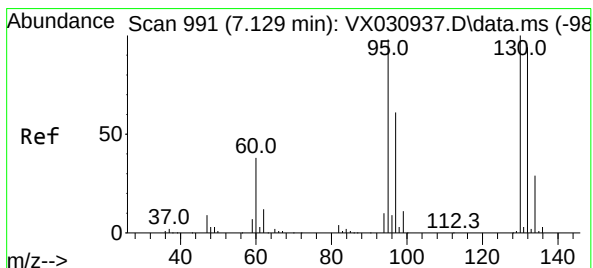
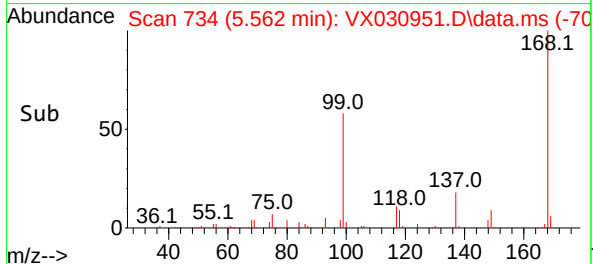
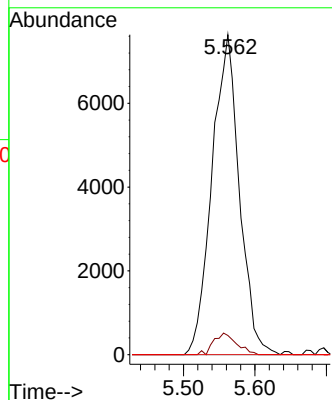


#38
Carbon Tetrachloride
Concen: 5.606 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20220819DL

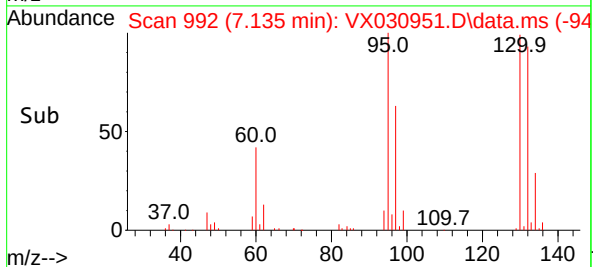
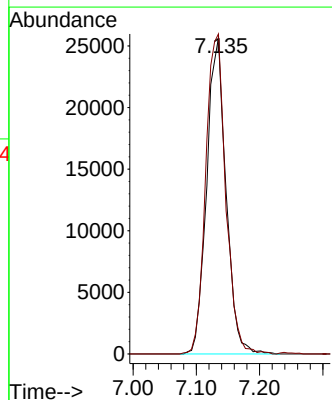
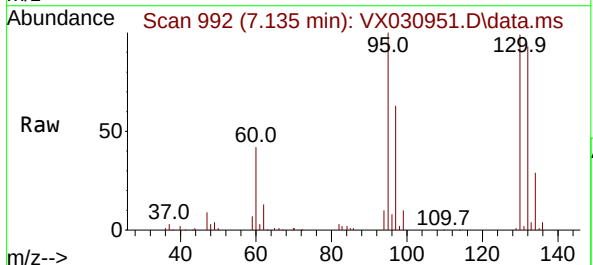


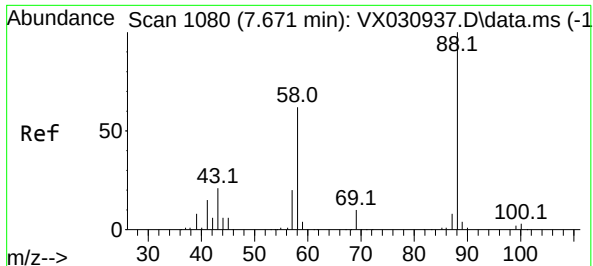
Tgt Ion:117 Resp: 20332
Ion Ratio Lower Upper
117 100
119 6.0 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 16.858 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

Tgt Ion:130 Resp: 54533
Ion Ratio Lower Upper
130 100
95 101.2 0.0 194.8





#49

1,4-Dioxane

Concen: 5.675 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.019 min

Lab File: VX030951.D

Acq: 30 Aug 2022 20:07

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20220819DL

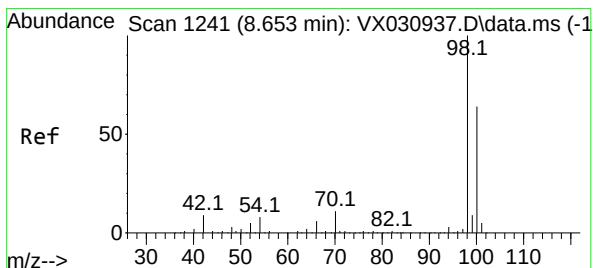
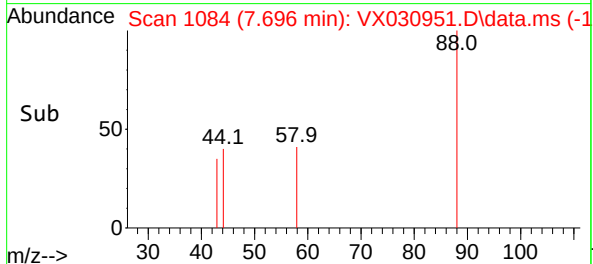
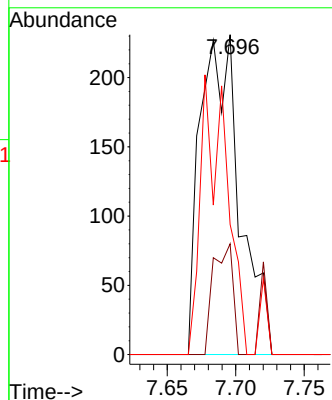
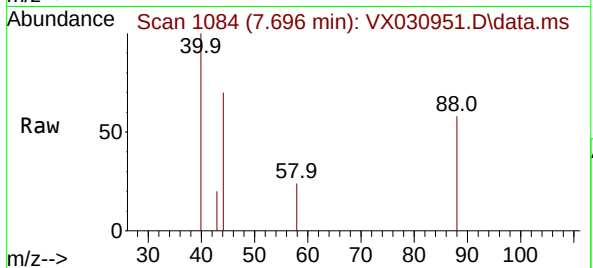
Tgt Ion: 88 Resp: 464

Ion Ratio Lower Upper

88 100

43 17.0 23.8 35.8#

58 57.1 53.8 80.6



#50

Toluene-d8

Concen: 51.824 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030951.D

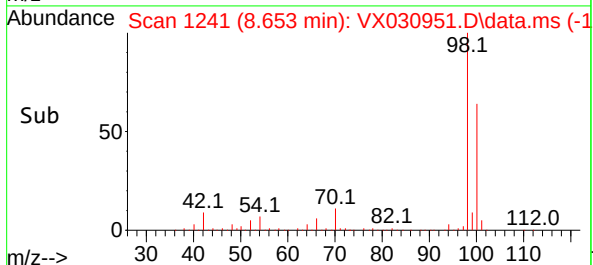
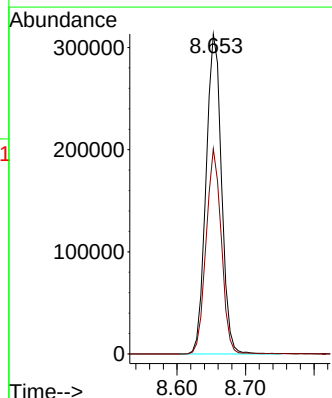
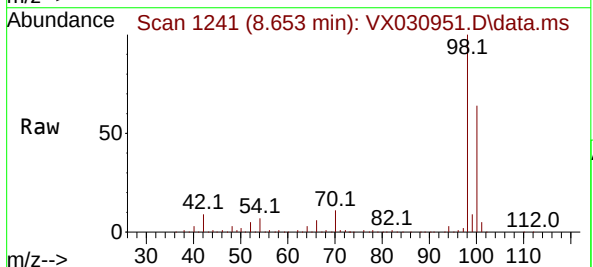
Acq: 30 Aug 2022 20:07

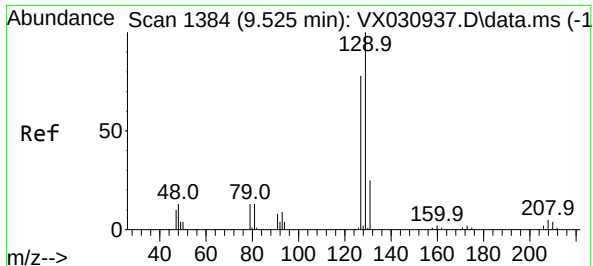
Tgt Ion: 98 Resp: 491948

Ion Ratio Lower Upper

98 100

100 63.0 52.3 78.5

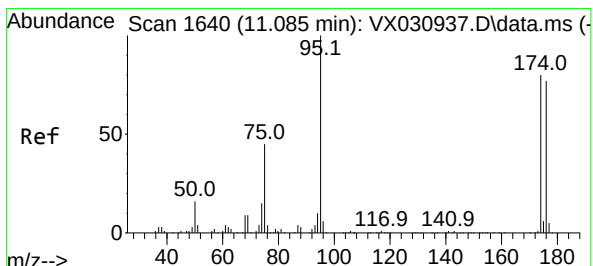
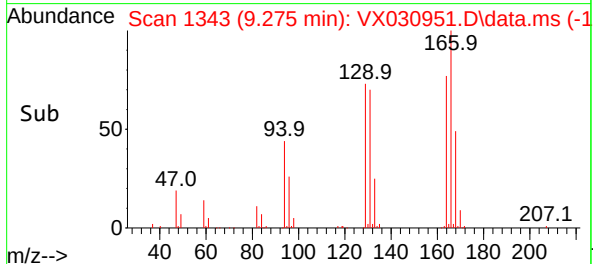
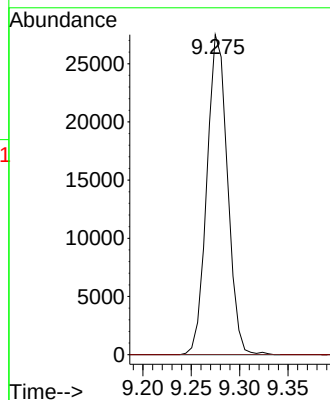
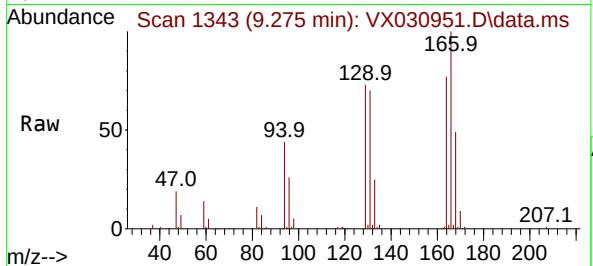




#60
Dibromochloromethane
Concen: 14.099 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

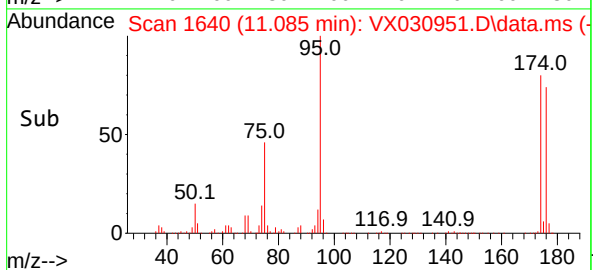
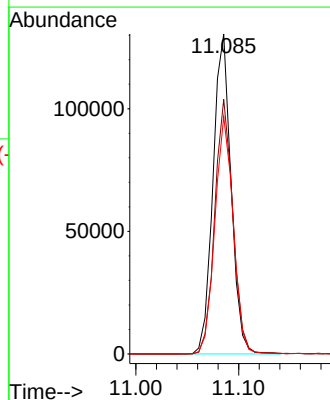
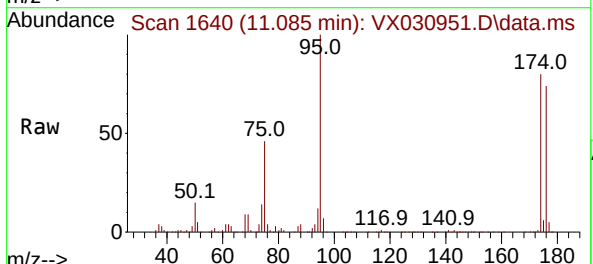
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20220819DL

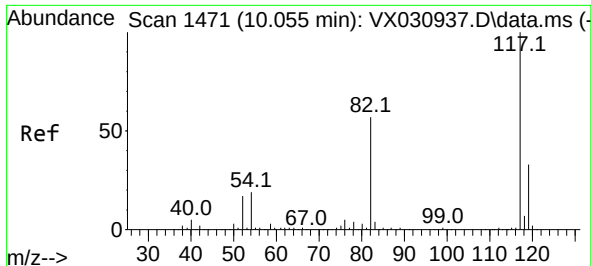
Tgt Ion:129 Resp: 40780
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 46.855 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

Tgt Ion: 95 Resp: 158388
Ion Ratio Lower Upper
95 100
174 80.4 0.0 149.0
176 75.7 0.0 146.0

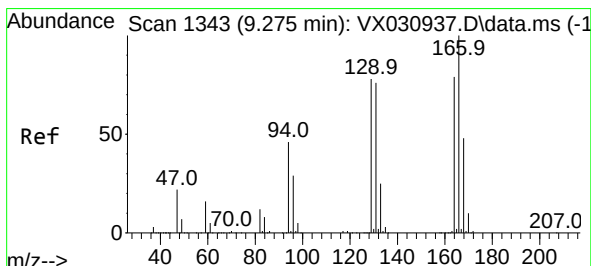
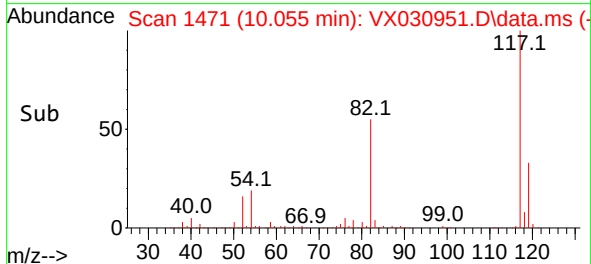
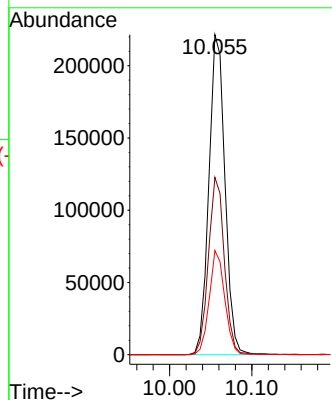
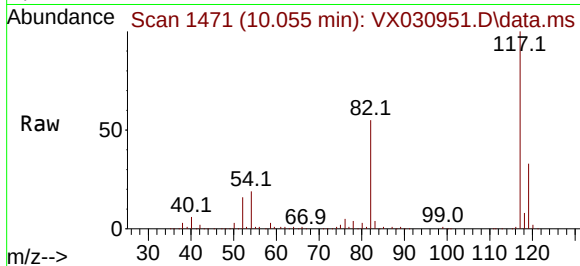




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

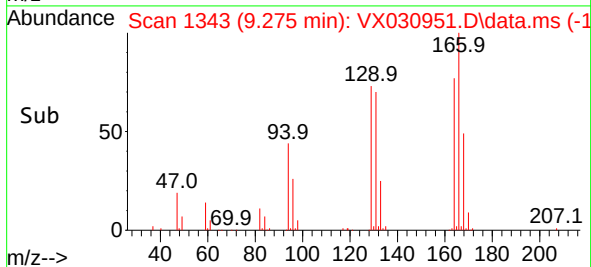
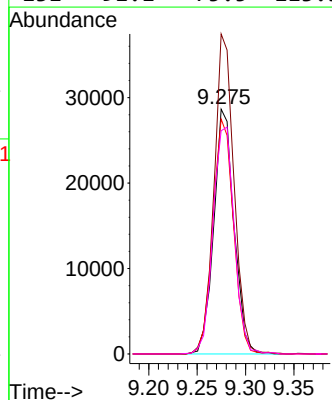
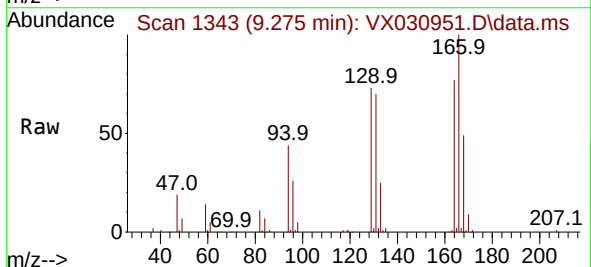
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20220819DL

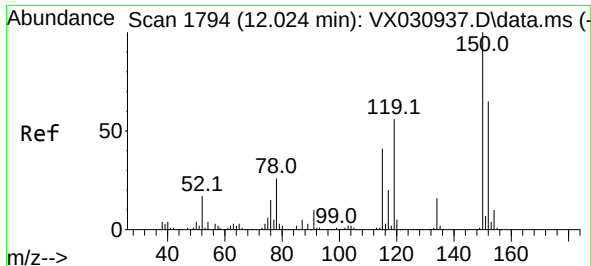
Tgt Ion:117 Resp: 301215
Ion Ratio Lower Upper
117 100
82 55.4 42.7 64.1
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: 14.581 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

Tgt Ion:164 Resp: 41541
Ion Ratio Lower Upper
164 100
166 130.7 98.2 147.4
129 96.0 80.8 121.2
131 91.1 75.5 113.3

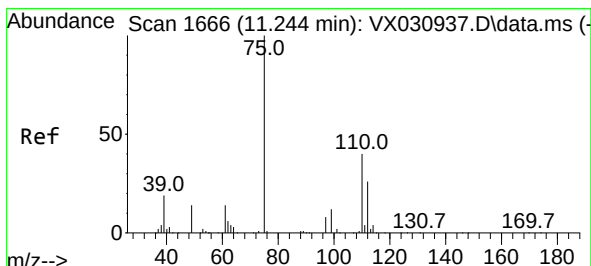
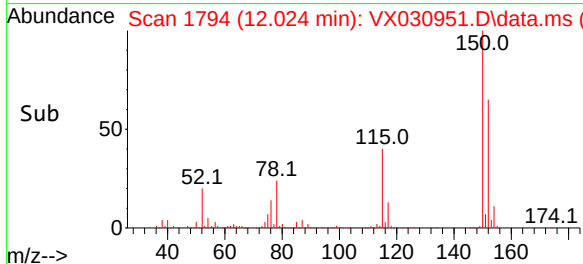
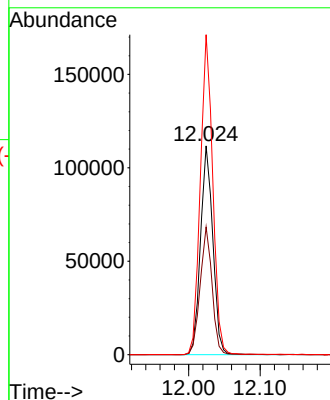
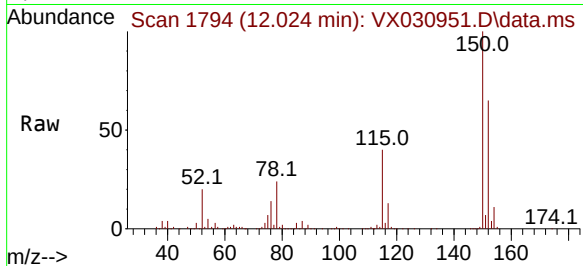




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

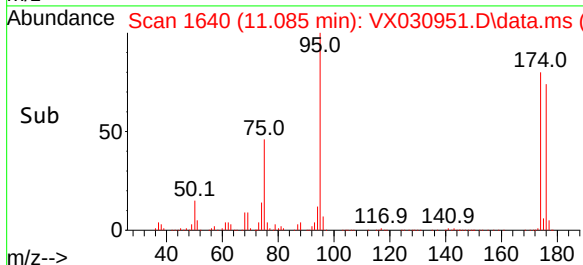
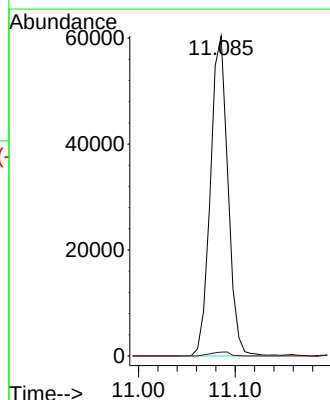
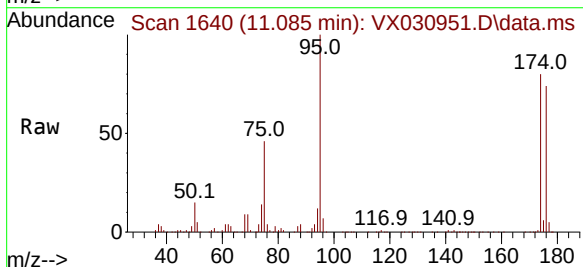
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20220819DL

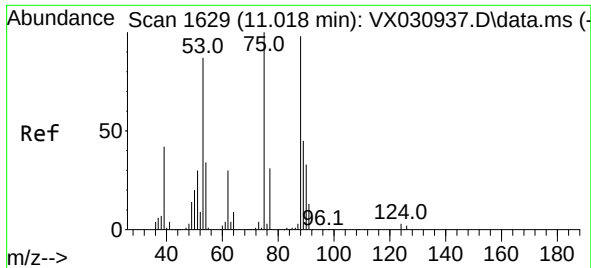
Tgt Ion:152 Resp: 133590
Ion Ratio Lower Upper
152 100
115 59.2 40.5 121.5
150 154.0 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 23.166 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030951.D
Acq: 30 Aug 2022 20:07

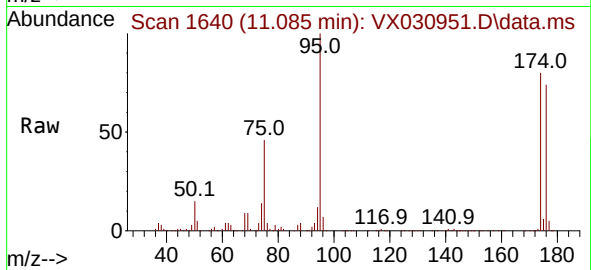
Tgt Ion: 75 Resp: 76190
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.877 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX030951.D
 Acq: 30 Aug 2022 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20220819DL



Tgt Ion: 75 Resp: 76190
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

