

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027638.D
 Acq On : 23 Mar 2022 01:46
 Operator : JC/MD
 Sample : N2062-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Mar 23 07:41:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

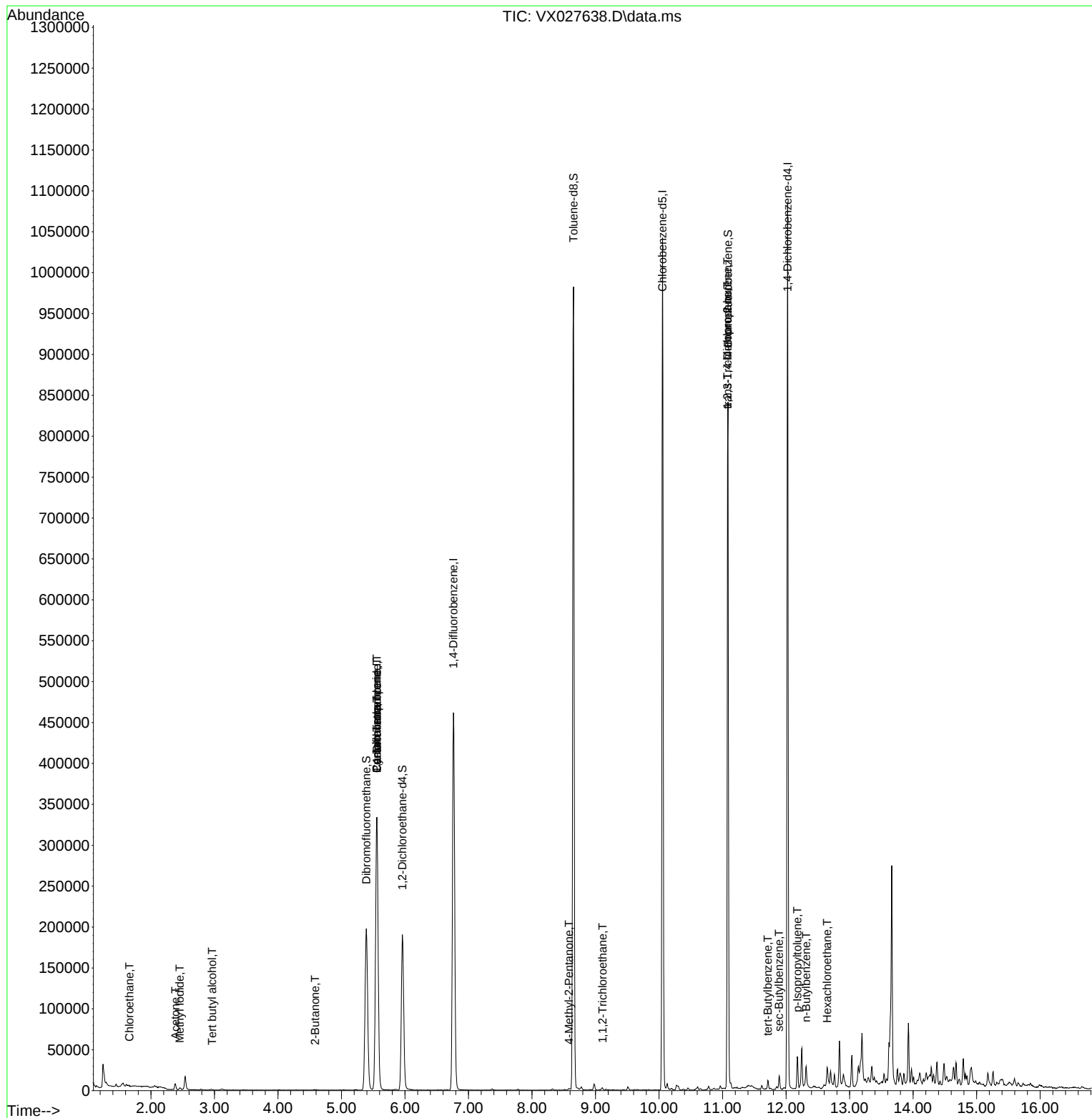
Internal Standards						
1) Pentafluorobenzene	5.556	168	338736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	528728	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	484680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	227646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	182707	43.784	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	87.560%
35) Dibromofluoromethane	5.391	113	175628	51.629	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.260%
50) Toluene-d8	8.653	98	619934	48.159	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.320%
62) 4-Bromofluorobenzene	11.085	95	229885	48.587	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.180%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	979	Below Cal		91
6) Chloroethane	1.660	64	468	0.229	ug/l	91
10) Methyl Iodide	2.453	142	3114	0.718	ug/l	97
11) Tert butyl alcohol	2.965	59	799	1.005	ug/l #	72
16) Acetone	2.386	43	7915	4.653	ug/l	94
25) 2-Butanone	4.587	43	954	0.373	ug/l #	80
31) Cyclohexane	5.556	56	5565	1.074	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	22269	4.790	ug/l #	50
38) Carbon Tetrachloride	5.556	117	32450	6.102	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	1281	0.269	ug/l	91
55) 1,1,2-Trichloroethane	9.110	97	1029	0.283	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	110675	23.243	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	110675	70.591	ug/l #	15
83) tert-Butylbenzene	11.713	119	4141	0.300	ug/l	84
85) sec-Butylbenzene	11.890	105	8585	0.514	ug/l	94
86) p-Isopropyltoluene	12.177	119	18295	1.275	ug/l	96
89) n-Butylbenzene	12.317	91	2407	0.201	ug/l #	1
90) Hexachloroethane	12.646	117	7168	3.132	ug/l #	10

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

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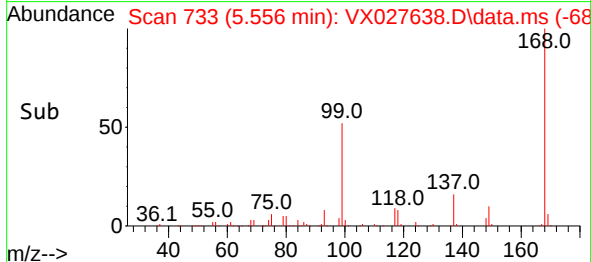
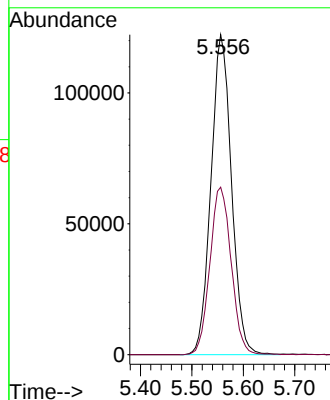
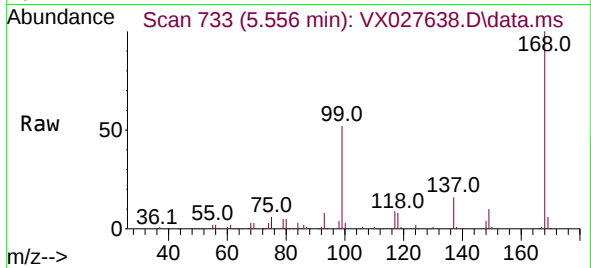




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

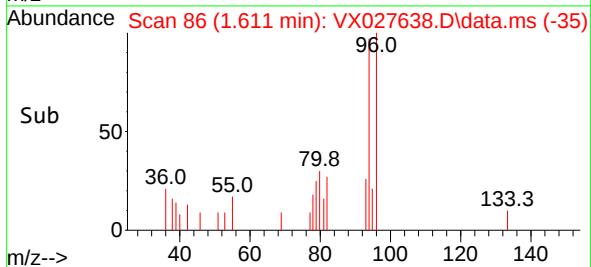
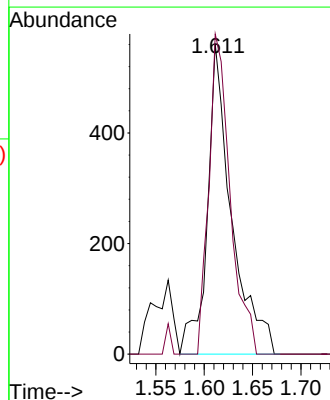
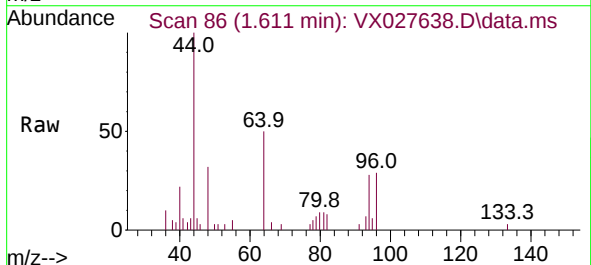
Instrument :
MSVOA_X
ClientSampleId :
MW-3

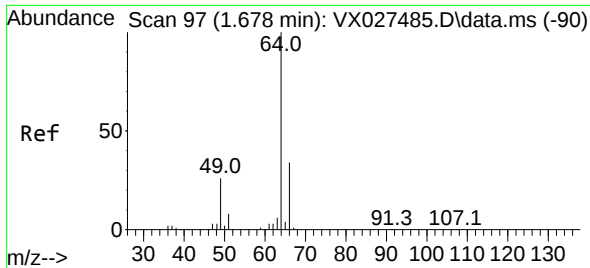
Tgt Ion:168 Resp: 338736
Ion Ratio Lower Upper
168 100
99 52.3 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

Tgt Ion: 94 Resp: 979
Ion Ratio Lower Upper
94 100
96 103.2 75.3 112.9

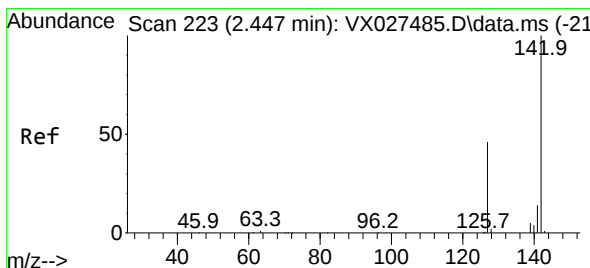
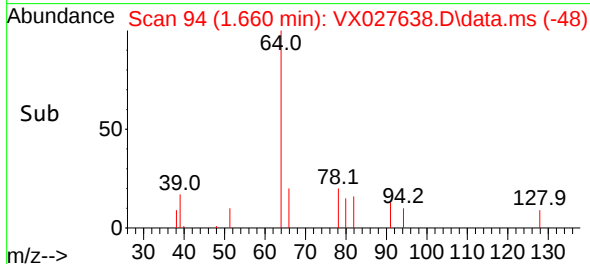
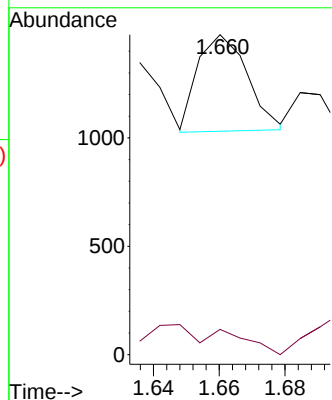
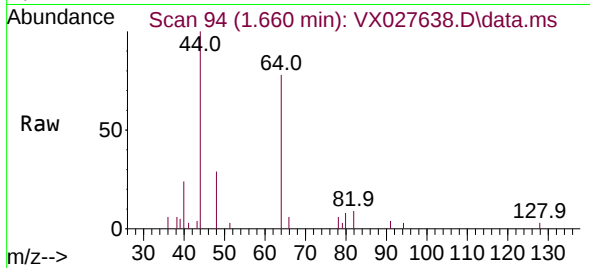




#6
Chloroethane
Concen: 0.229 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

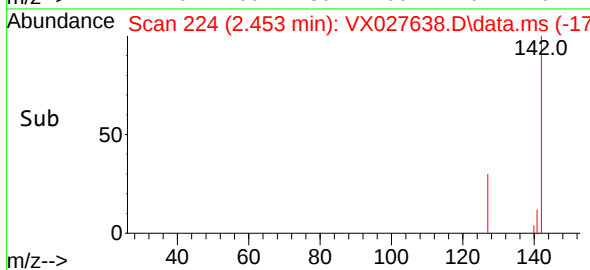
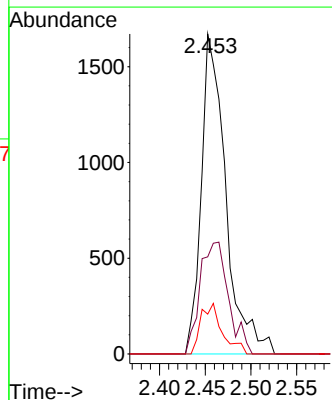
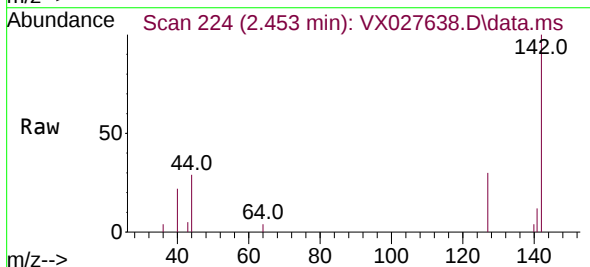
Instrument :
MSVOA_X
ClientSampleId :
MW-3

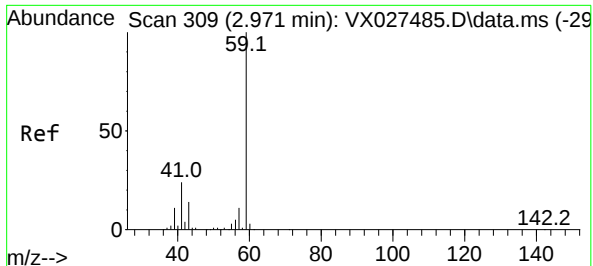
Tgt Ion: 64 Resp: 468
Ion Ratio Lower Upper
64 100
66 26.7 25.3 37.9



#10
Methyl Iodide
Concen: 0.718 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.006 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

Tgt Ion: 142 Resp: 3114
Ion Ratio Lower Upper
142 100
127 40.5 33.9 50.9
141 13.8 11.4 17.2





#11

Tert butyl alcohol

Concen: 1.005 ug/l

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX027638.D

Acq: 23 Mar 2022 01:46

Instrument :

MSVOA_X

ClientSampleId :

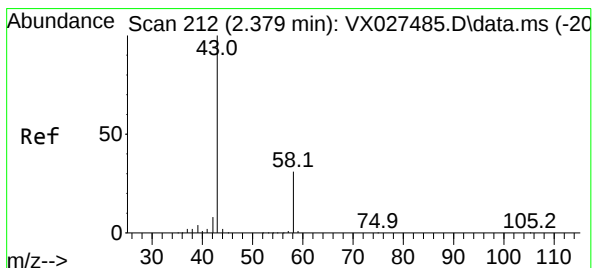
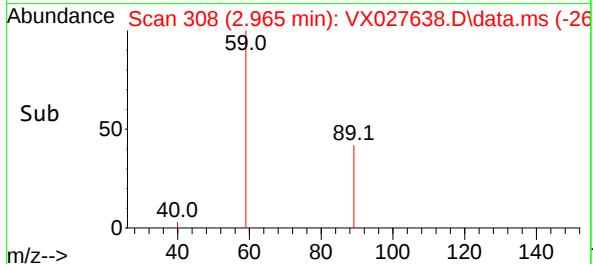
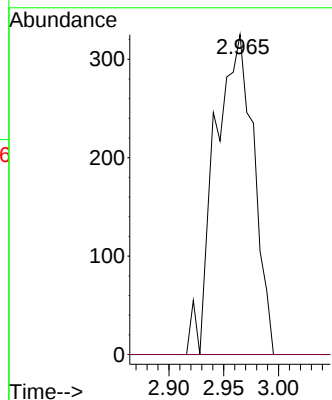
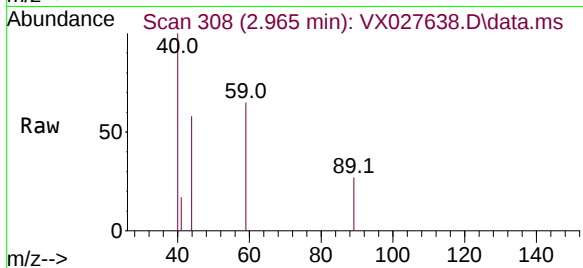
MW-3

Tgt Ion: 59 Resp: 799

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 4.653 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX027638.D

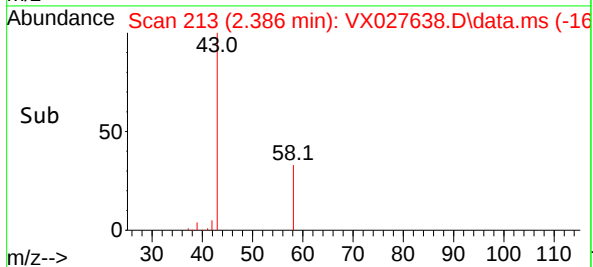
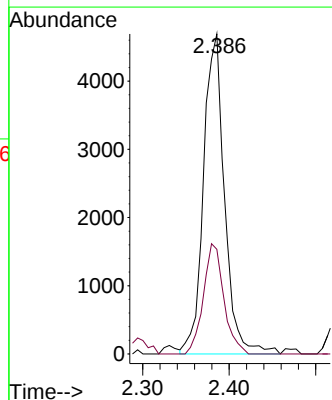
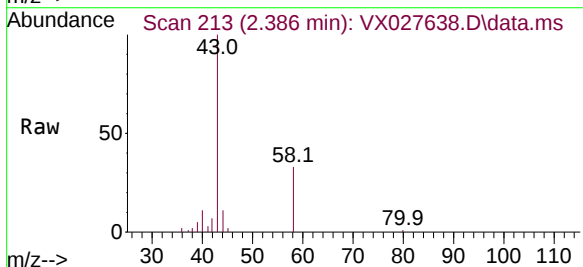
Acq: 23 Mar 2022 01:46

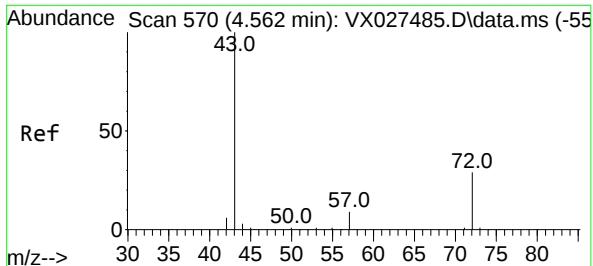
Tgt Ion: 43 Resp: 7915

Ion Ratio Lower Upper

43 100

58 32.7 28.8 43.2





#25

2-Butanone

Concen: 0.373 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX027638.D

Acq: 23 Mar 2022 01:46

Instrument :

MSVOA_X

ClientSampleId :

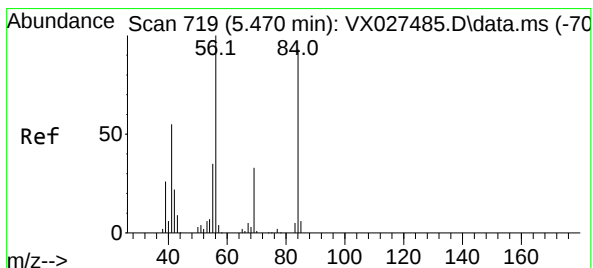
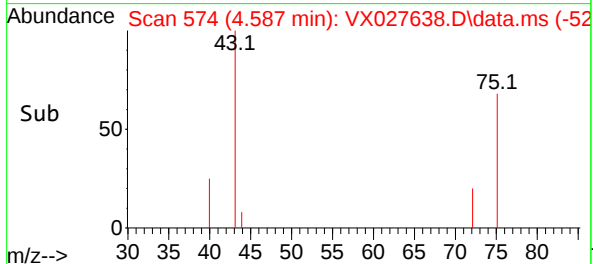
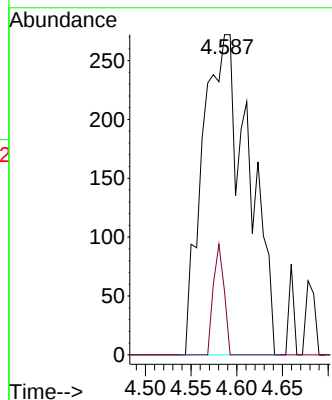
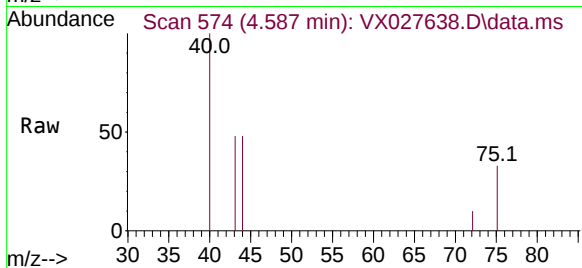
MW-3

Tgt Ion: 43 Resp: 954

Ion Ratio Lower Upper

43 100

72 19.9 24.4 36.6#



#31

Cyclohexane

Concen: 1.074 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX027638.D

Acq: 23 Mar 2022 01:46

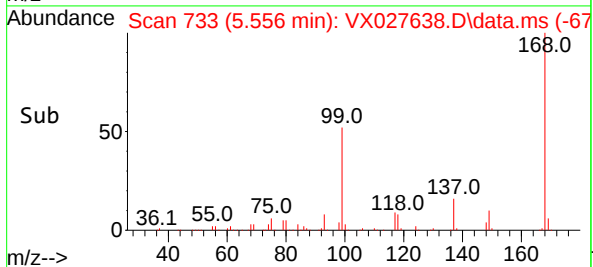
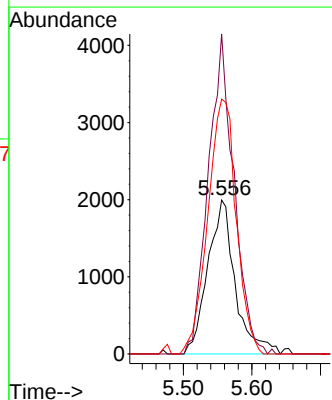
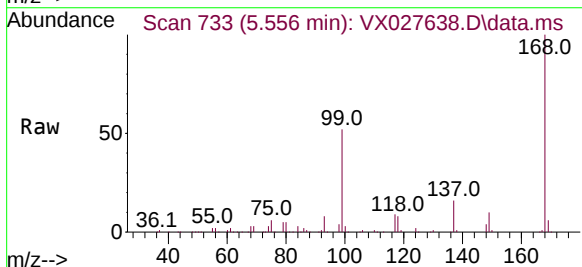
Tgt Ion: 56 Resp: 5565

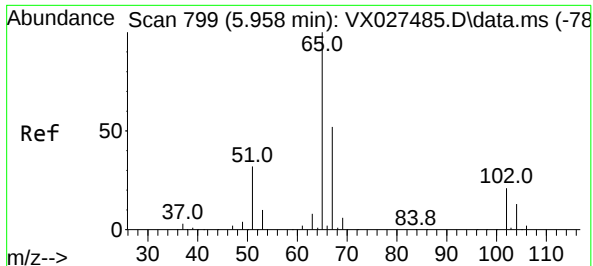
Ion Ratio Lower Upper

56 100

69 207.8 26.7 40.1#

84 165.5 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.784 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027638.D

Acq: 23 Mar 2022 01:46

Instrument :

MSVOA_X

ClientSampleId :

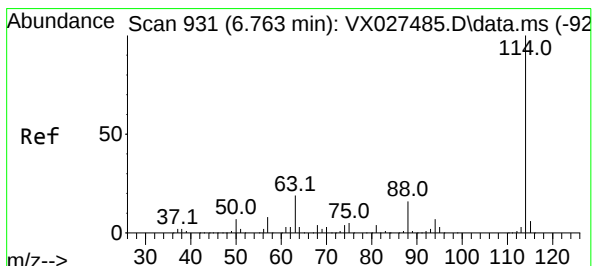
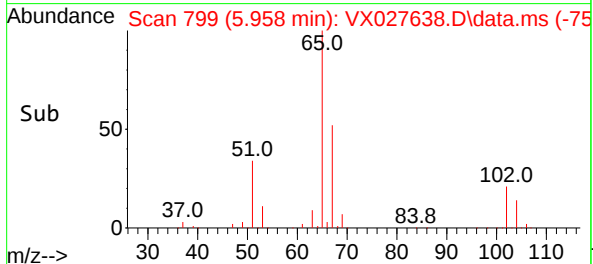
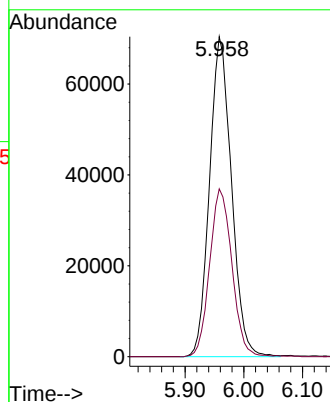
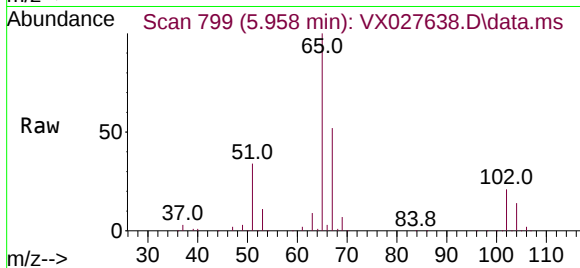
MW-3

Tgt Ion: 65 Resp: 182707

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX027638.D

Acq: 23 Mar 2022 01:46

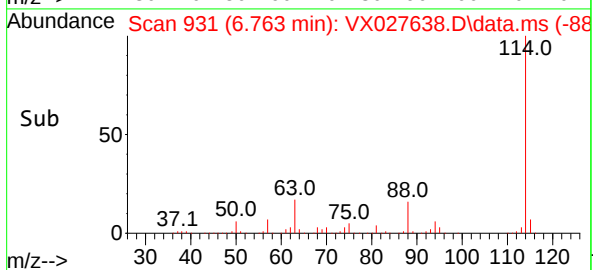
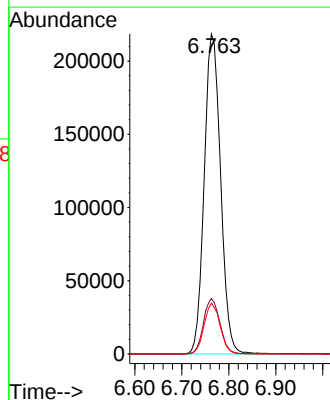
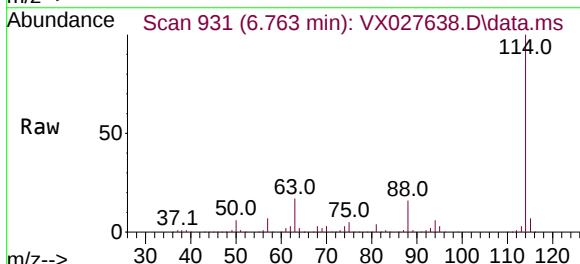
Tgt Ion: 114 Resp: 528728

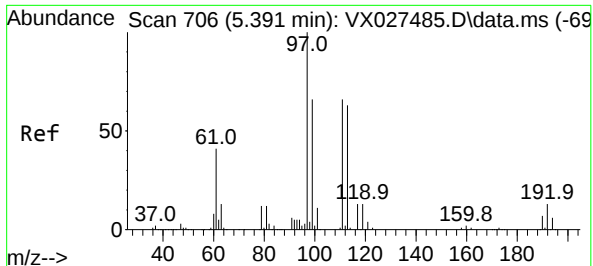
Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.8

88 15.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.629 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027638.D

Acq: 23 Mar 2022 01:46

Instrument :

MSVOA_X

ClientSampleId :

MW-3

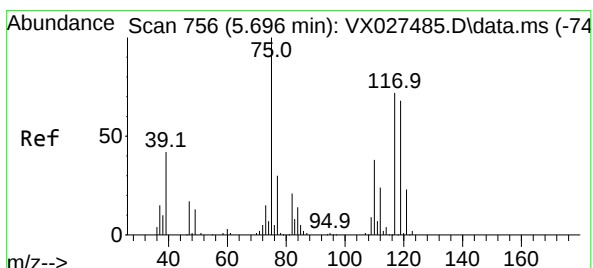
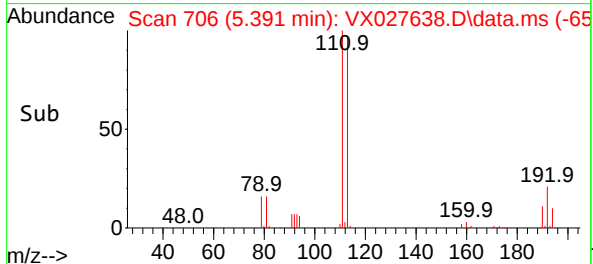
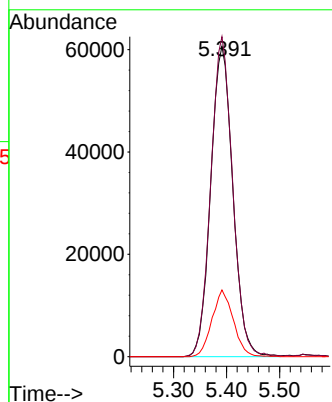
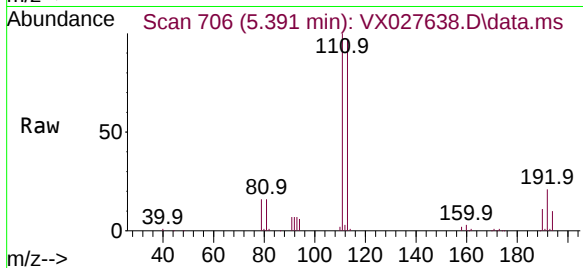
Tgt Ion:113 Resp: 175628

Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

192 20.8 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.790 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027638.D

Acq: 23 Mar 2022 01:46

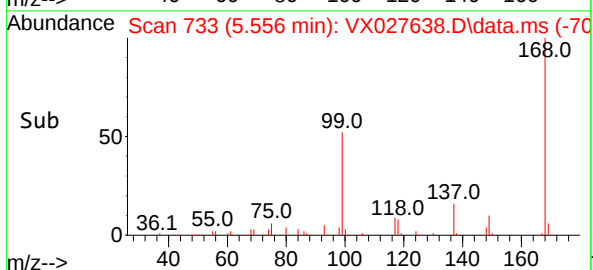
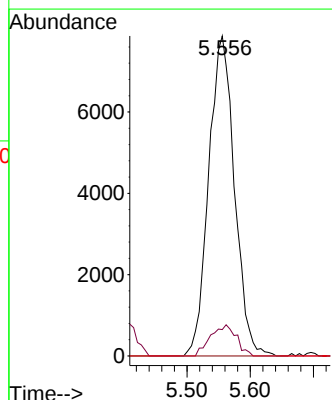
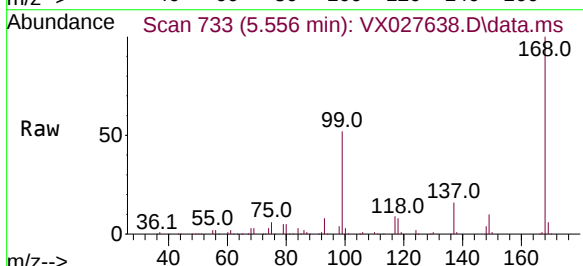
Tgt Ion: 75 Resp: 22269

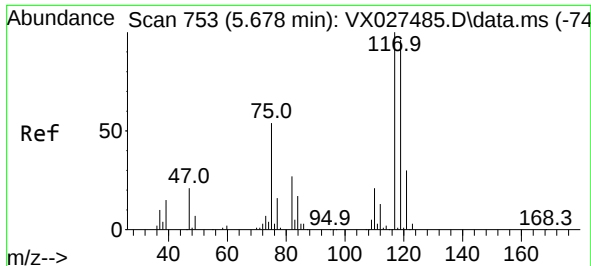
Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

77 0.0 24.8 37.2#

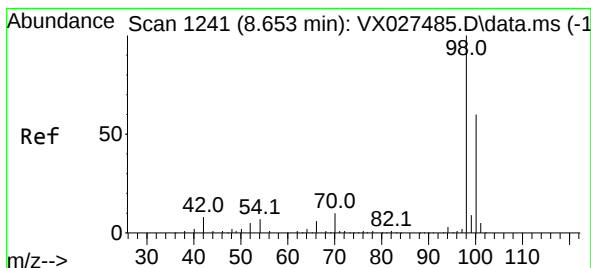
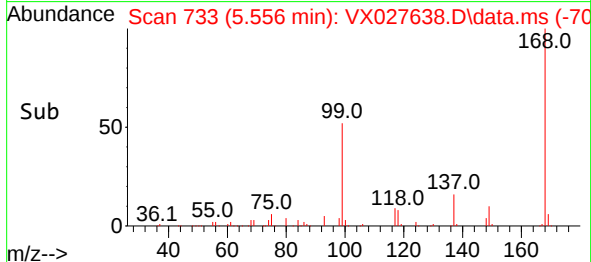
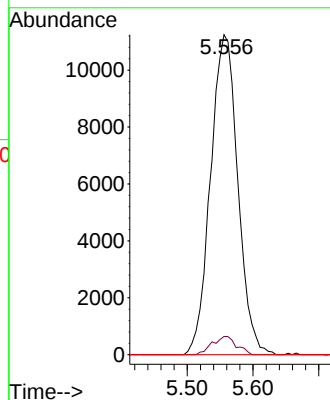
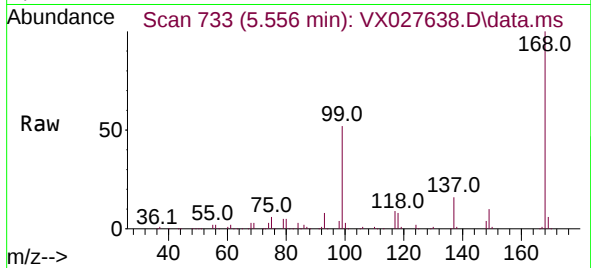




#38
Carbon Tetrachloride
Concen: 6.102 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

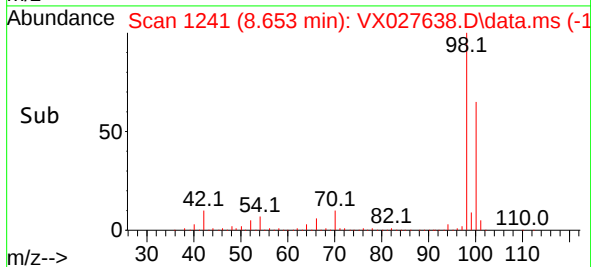
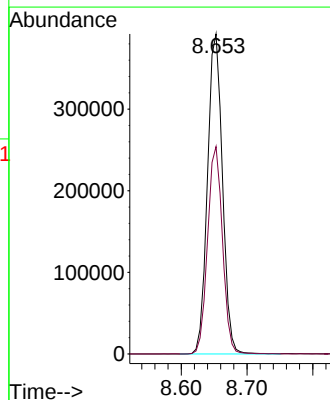
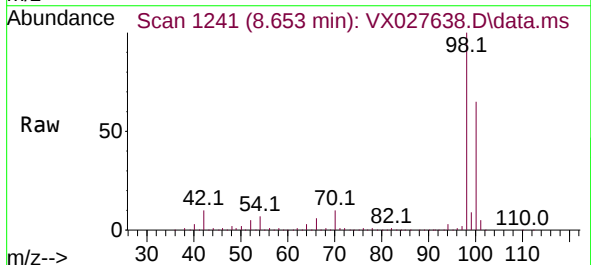
Instrument :
MSVOA_X
ClientSampleId :
MW-3

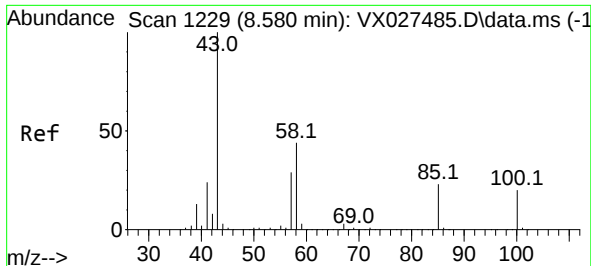
Tgt Ion:117 Resp: 32450
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.159 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

Tgt Ion: 98 Resp: 619934
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8

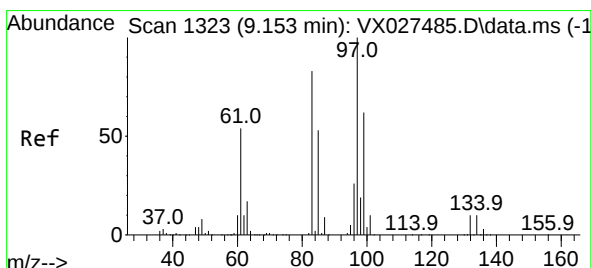
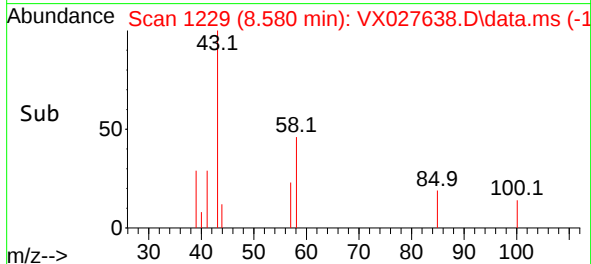
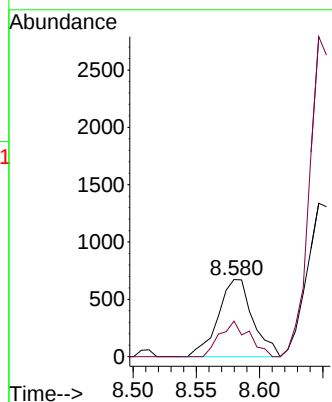
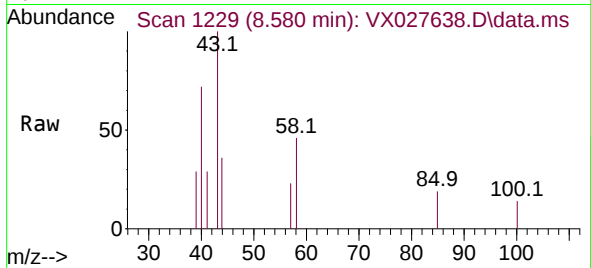




#51
4-Methyl-2-Pentanone
Concen: 0.269 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

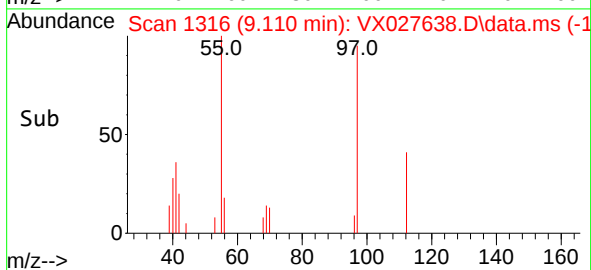
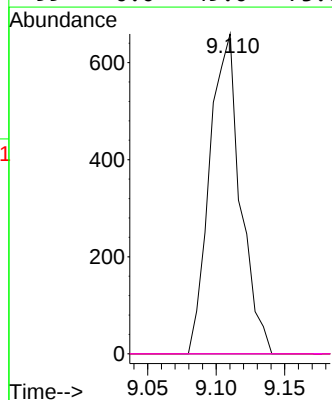
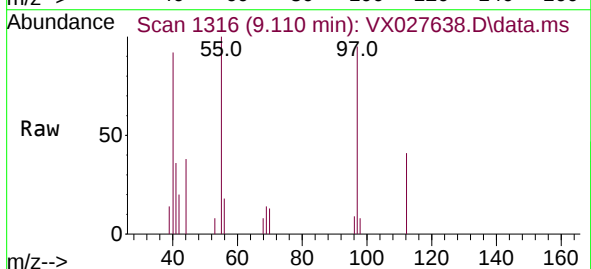
Instrument :
MSVOA_X
ClientSampleId :
MW-3

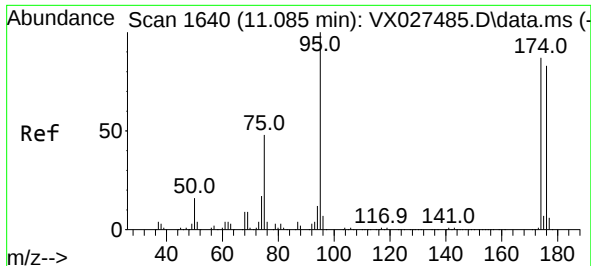
Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
58 39.0 36.1 54.1



#55
1,1,2-Trichloroethane
Concen: 0.283 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.043 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

Tgt Ion: 97 Resp: 1029
Ion Ratio Lower Upper
97 100
83 0.0 66.2 99.4#
85 0.0 42.9 64.3#
99 0.0 49.0 73.6#

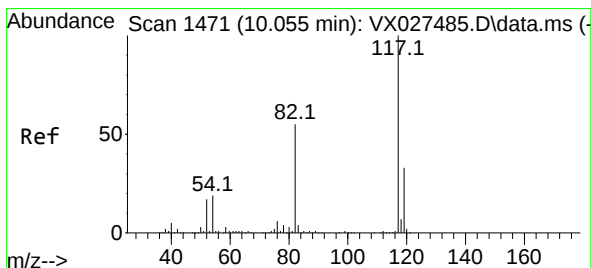
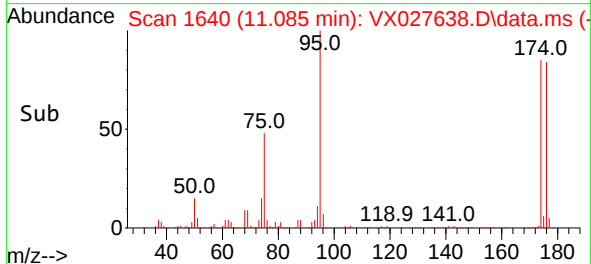
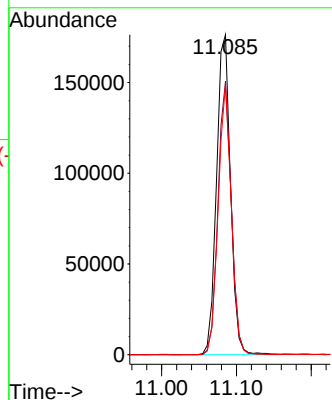
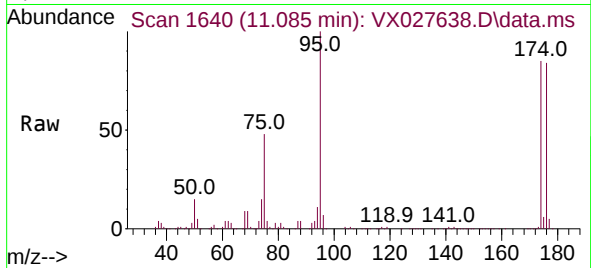




#62
4-Bromofluorobenzene
Concen: 48.587 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

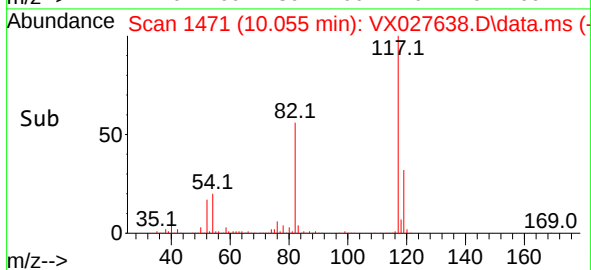
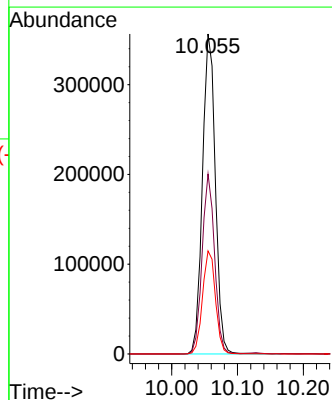
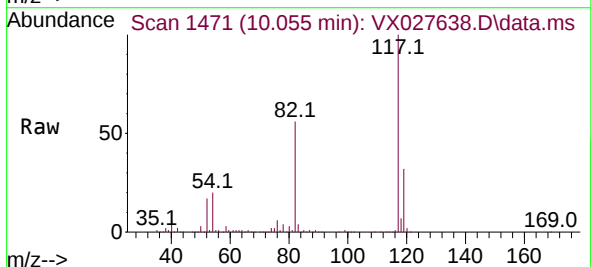
Instrument :
MSVOA_X
ClientSampleId :
MW-3

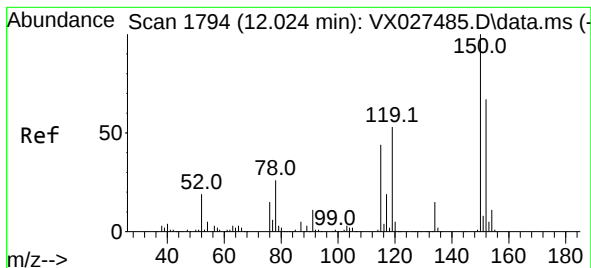
Tgt Ion: 95 Resp: 229885
Ion Ratio Lower Upper
95 100
174 82.0 0.0 163.0
176 79.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

Tgt Ion: 117 Resp: 484680
Ion Ratio Lower Upper
117 100
82 56.2 41.8 62.8
119 32.2 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX027638.D

Acq: 23 Mar 2022 01:46

Instrument :

MSVOA_X

ClientSampleId :

MW-3

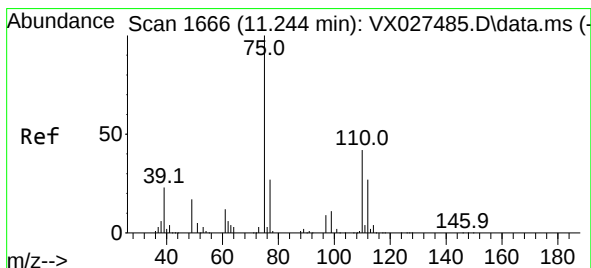
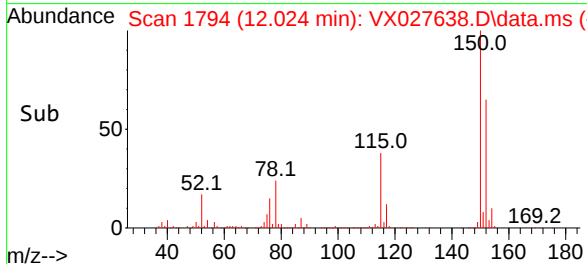
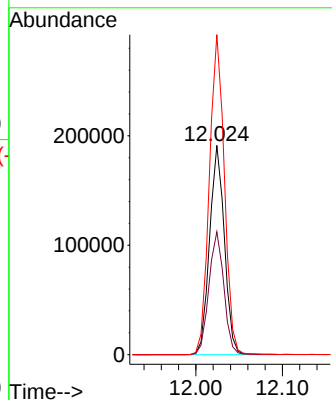
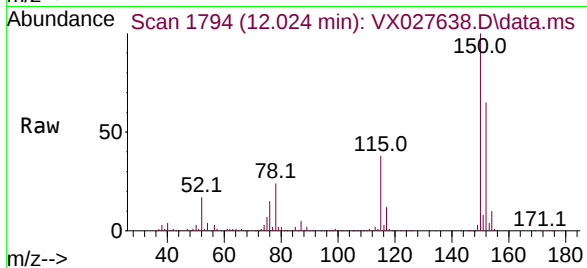
Tgt Ion:152 Resp: 227646

Ion Ratio Lower Upper

152 100

115 59.0 37.5 112.7

150 154.7 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 23.243 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX027638.D

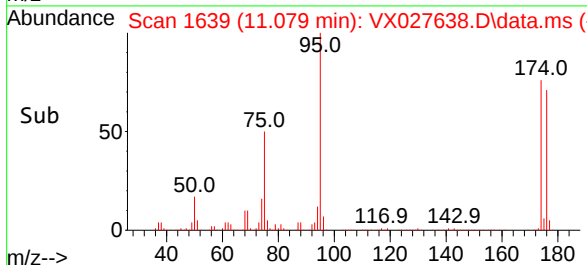
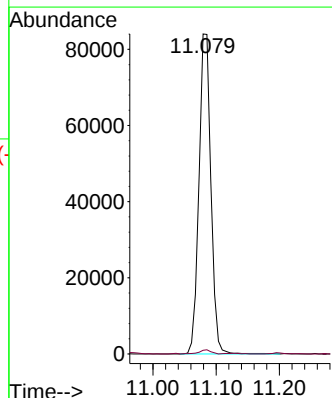
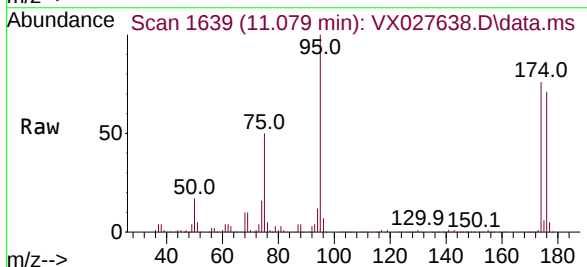
Acq: 23 Mar 2022 01:46

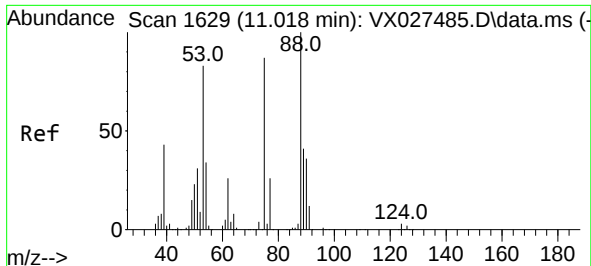
Tgt Ion: 75 Resp: 110675

Ion Ratio Lower Upper

75 100

77 1.3 19.4 58.2#

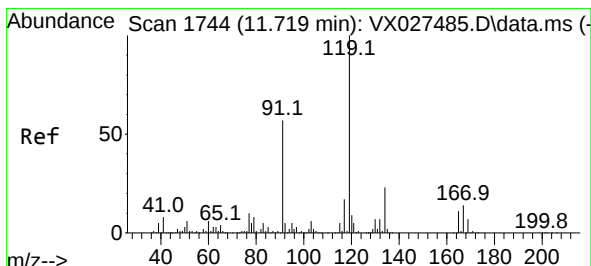
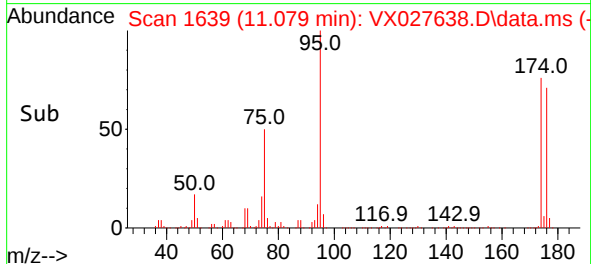
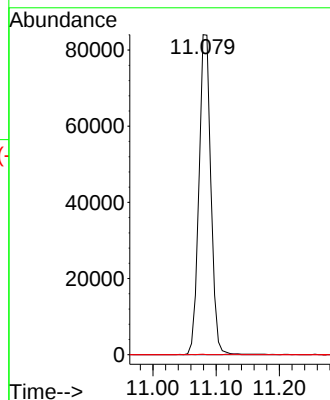
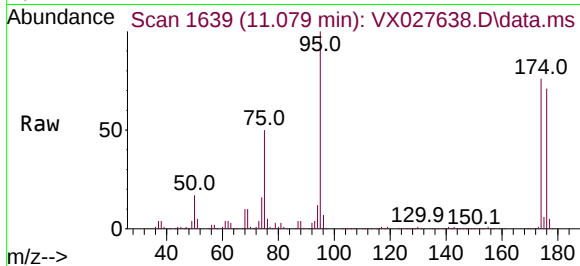




#81
trans-1,4-Dichloro-2-butene
Concen: 70.591 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

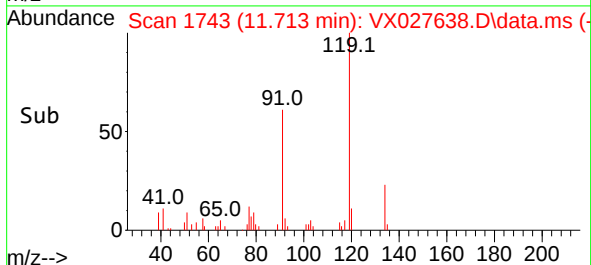
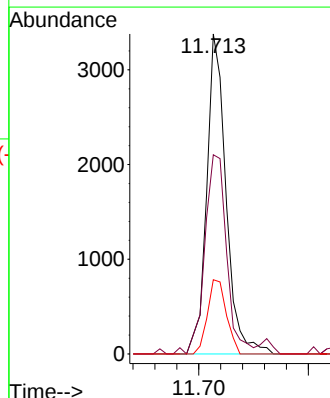
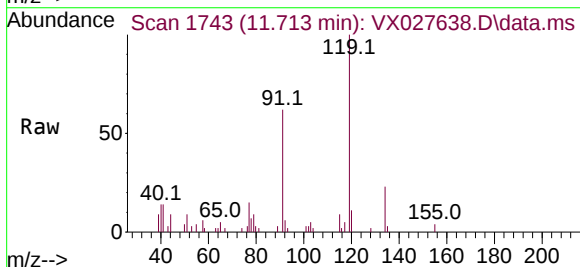
Instrument :
MSVOA_X
ClientSampleId :
MW-3

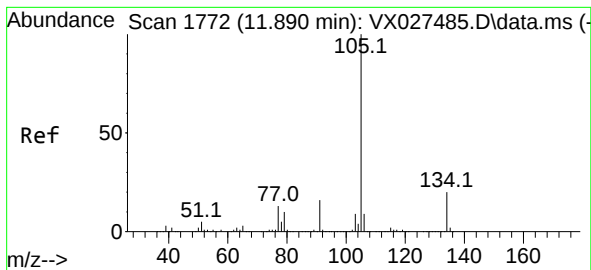
Tgt Ion: 75 Resp: 110675
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#



#83
tert-Butylbenzene
Concen: 0.300 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

Tgt Ion: 119 Resp: 4141
Ion Ratio Lower Upper
119 100
91 70.2 26.9 80.6
134 22.6 11.4 34.2





#85

sec-Butylbenzene

Concen: 0.514 ug/l

RT: 11.890 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX027638.D

Acq: 23 Mar 2022 01:46

Instrument :

MSVOA_X

ClientSampleId :

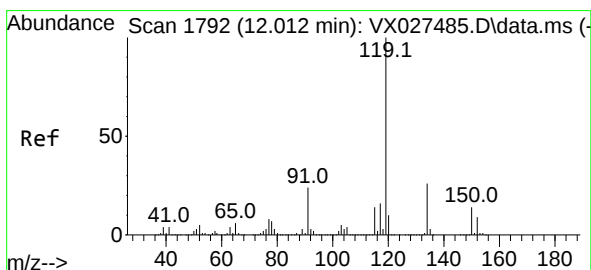
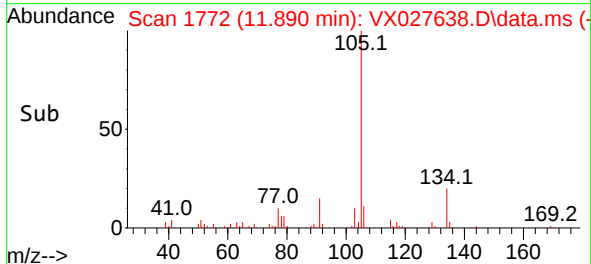
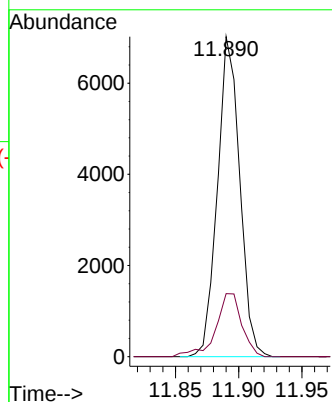
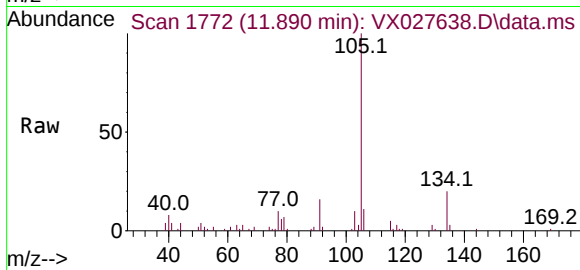
MW-3

Tgt Ion:105 Resp: 8585

Ion Ratio Lower Upper

105 100

134 23.0 10.2 30.4



#86

p-Isopropyltoluene

Concen: 1.275 ug/l

RT: 12.177 min Scan# 1819

Delta R.T. 0.165 min

Lab File: VX027638.D

Acq: 23 Mar 2022 01:46

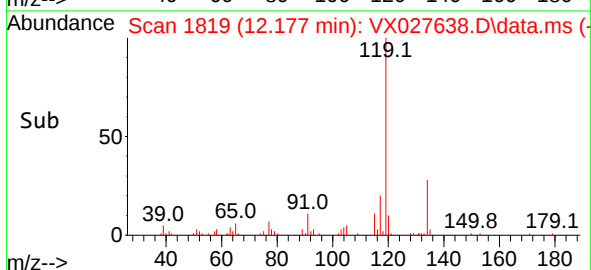
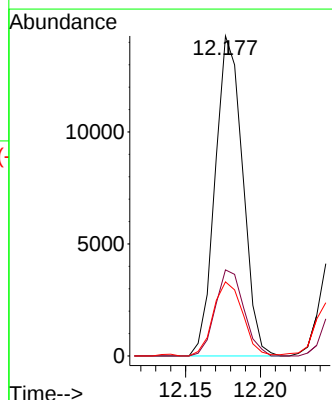
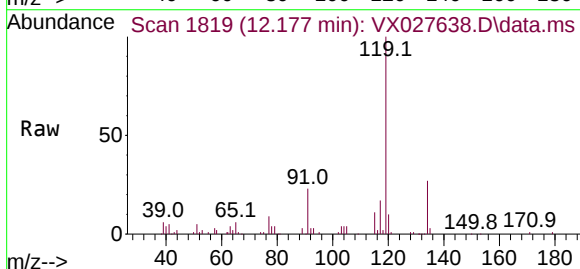
Tgt Ion:119 Resp: 18295

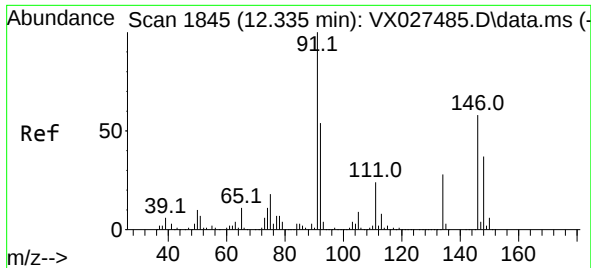
Ion Ratio Lower Upper

119 100

134 27.8 13.0 39.0

91 24.8 11.3 33.9

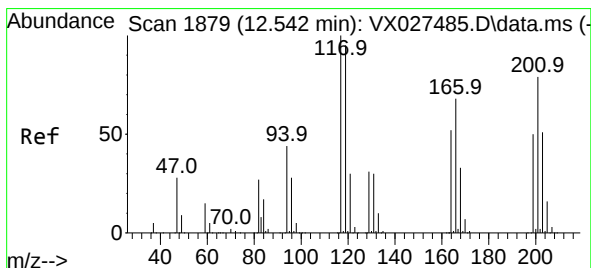
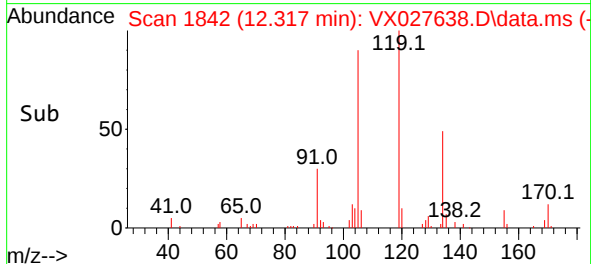
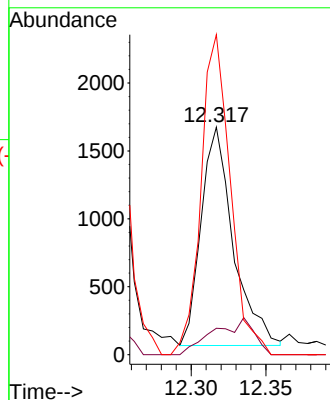
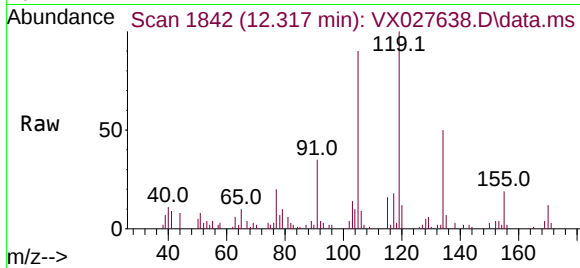




#89
n-Butylbenzene
Concen: 0.201 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.018 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion: 91 Resp: 2407
Ion Ratio Lower Upper
91 100
92 20.9 27.8 83.3#
134 133.7 13.3 39.8#



#90
Hexachloroethane
Concen: 3.132 ug/l
RT: 12.646 min Scan# 1896
Delta R.T. 0.104 min
Lab File: VX027638.D
Acq: 23 Mar 2022 01:46

Tgt Ion: 117 Resp: 7168
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

