

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040122\
 Data File : VX027905.D
 Acq On : 02 Apr 2022 01:16
 Operator : JC/MD
 Sample : N2172-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5R

Quant Time: Apr 02 07:32:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

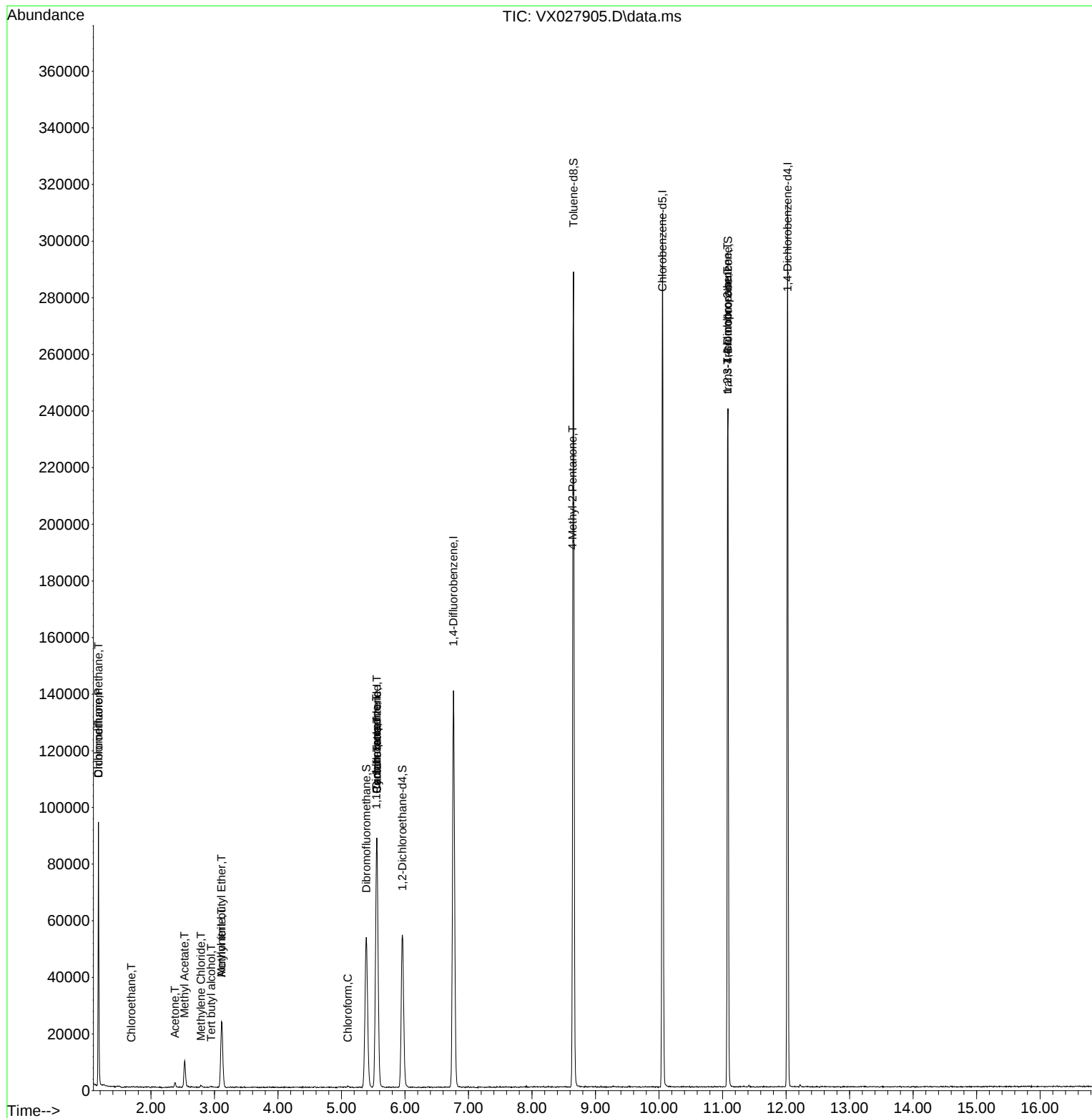
Internal Standards						
1) Pentafluorobenzene	5.556	168	81457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	141821	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54526	51.879	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.760%			
35) Dibromofluoromethane	5.391	113	45706	49.929	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.860%			
50) Toluene-d8	8.653	98	165789	51.474	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.940%			
62) 4-Bromofluorobenzene	11.085	95	64887	47.406	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 94.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	1033	1.400	ug/l	81
3) Chloromethane	1.172	50	2932	4.495	ug/l #	73
6) Chloroethane	1.691	64	152	0.337	ug/l #	43
11) Tert butyl alcohol	2.947	59	233	1.154	ug/l #	72
15) Acrylonitrile	3.111	53	239	0.504	ug/l #	4
16) Acetone	2.380	43	1672	3.595	ug/l	95
18) Methyl Acetate	2.526	43	2850	2.486	ug/l #	46
19) Methyl tert-butyl Ether	3.111	73	25498	9.563	ug/l	99
20) Methylene Chloride	2.788	84	347	0.415	ug/l #	84
30) Chloroform	5.099	83	331	0.206	ug/l	87
31) Cyclohexane	5.556	56	1654	1.424	ug/l #	12
36) 1,1-Dichloropropene	5.550	75	6198	5.376	ug/l #	50
38) Carbon Tetrachloride	5.556	117	8646	6.787	ug/l #	17
51) 4-Methyl-2-Pentanone	8.641	43	767	0.483	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	36804	28.288	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	36804	82.596	ug/l #	15

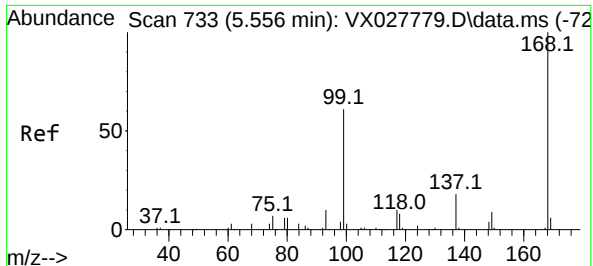
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 30 04:39:27 2022
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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: VX027905.D
Acq: 02 Apr 2022 01:16

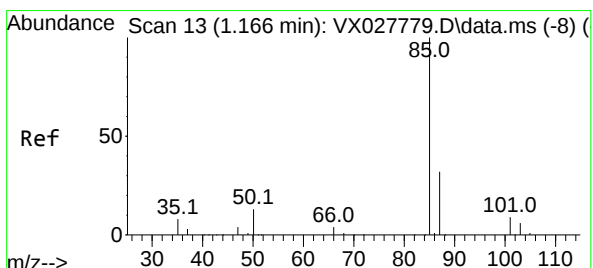
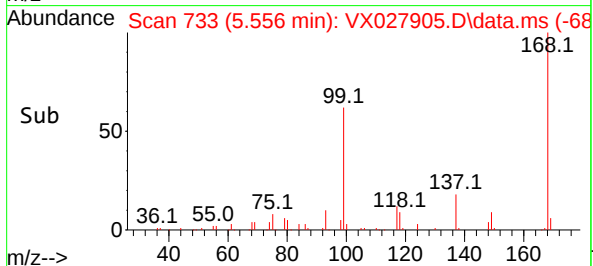
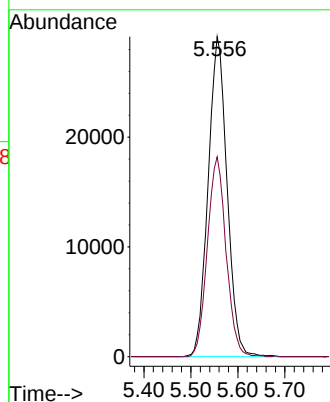
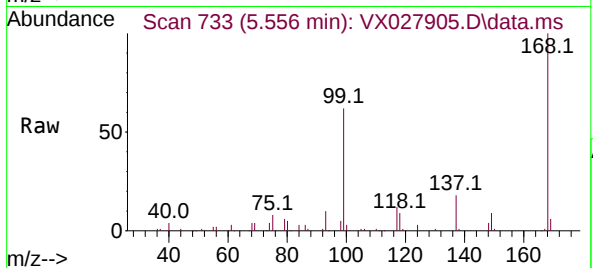
Instrument :

MSVOA_X

ClientSampleId :

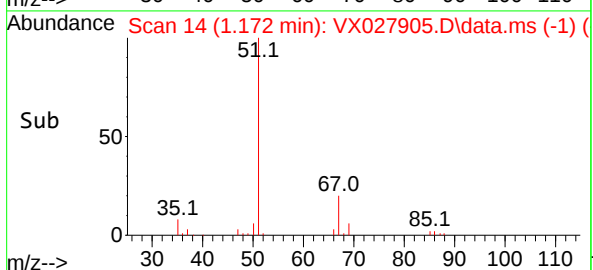
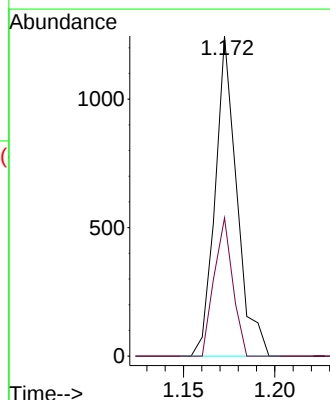
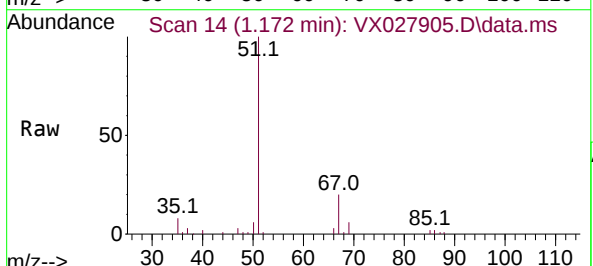
MW-5R

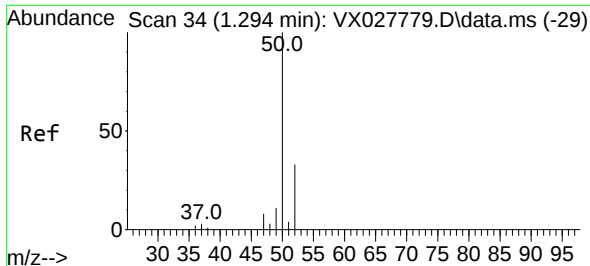
Tgt Ion:168 Resp: 81457
Ion Ratio Lower Upper
168 100
99 62.5 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 1.400 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX027905.D
Acq: 02 Apr 2022 01:16

Tgt Ion: 85 Resp: 1033
Ion Ratio Lower Upper
85 100
87 43.2 16.2 48.6

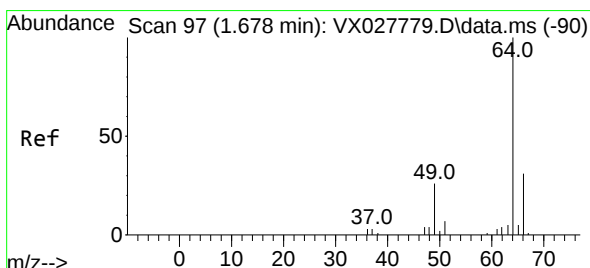
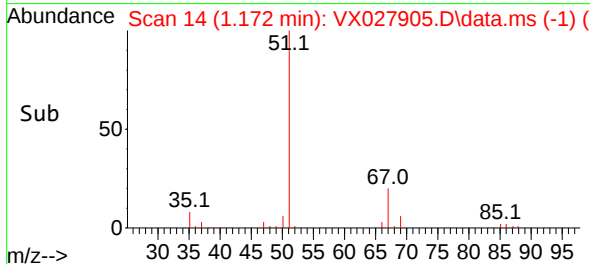
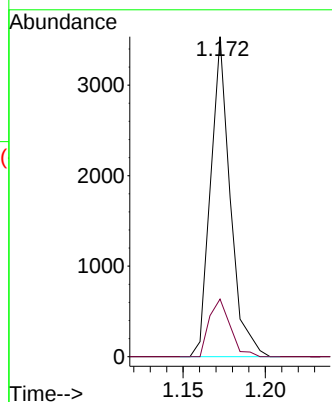
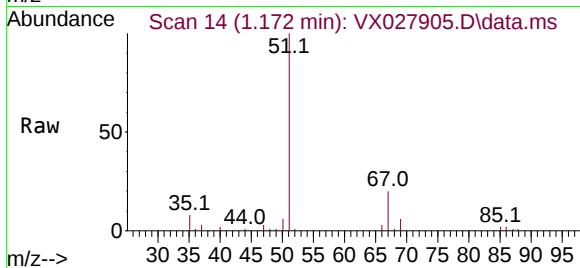




#3
Chloromethane
Concen: 4.495 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.122 min
Lab File: VX027905.D
Acq: 02 Apr 2022 01:16

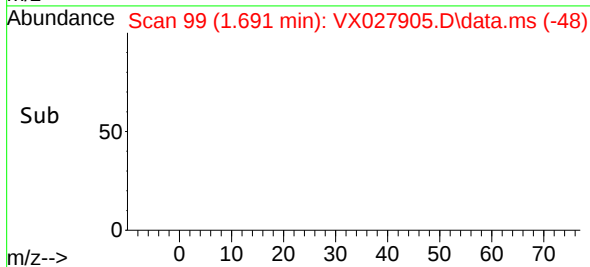
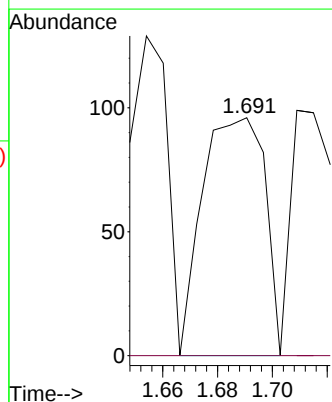
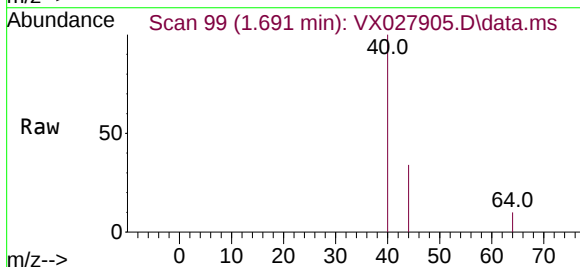
Instrument :
MSVOA_X
ClientSampleId :
MW-5R

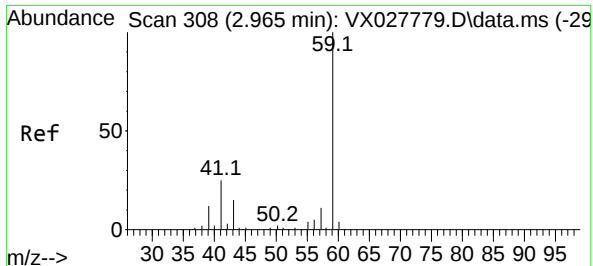
Tgt Ion: 50 Resp: 2932
Ion Ratio Lower Upper
50 100
52 18.0 26.4 39.6#



#6
Chloroethane
Concen: 0.337 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX027905.D
Acq: 02 Apr 2022 01:16

Tgt Ion: 64 Resp: 152
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: 1.154 ug/l

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX027905.D

Acq: 02 Apr 2022 01:16

Instrument :

MSVOA_X

ClientSampleId :

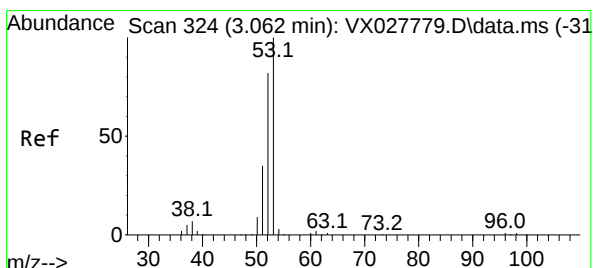
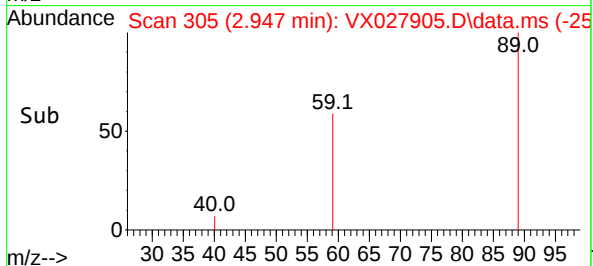
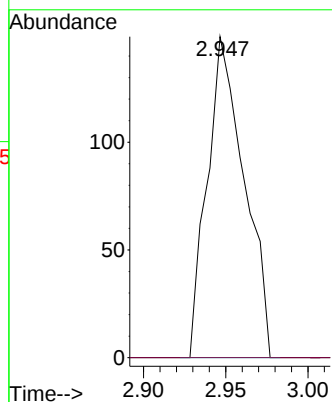
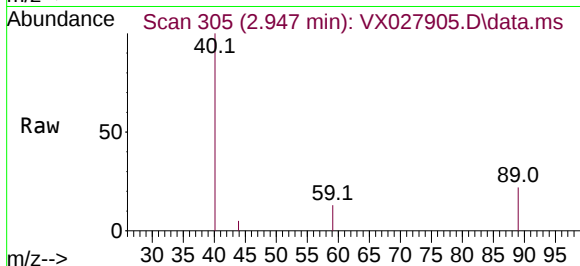
MW-5R

Tgt Ion: 59 Resp: 233

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#15

Acrylonitrile

Concen: 0.504 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.049 min

Lab File: VX027905.D

Acq: 02 Apr 2022 01:16

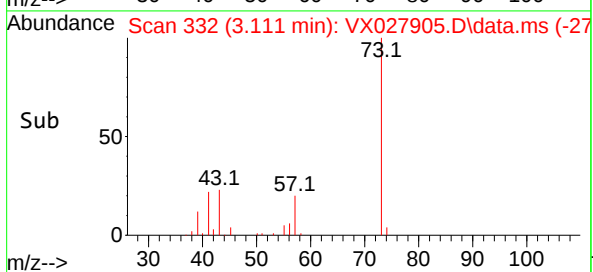
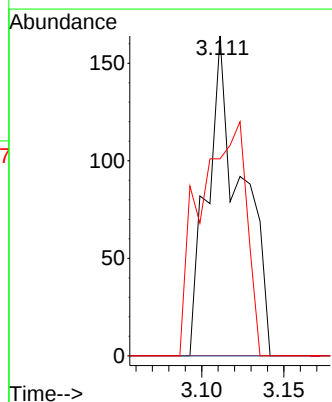
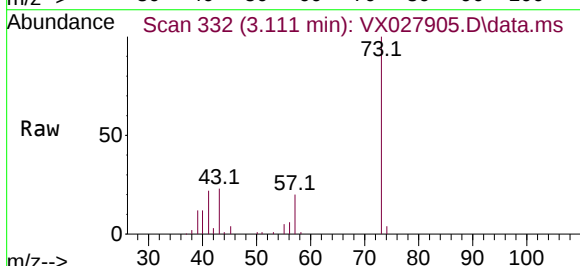
Tgt Ion: 53 Resp: 239

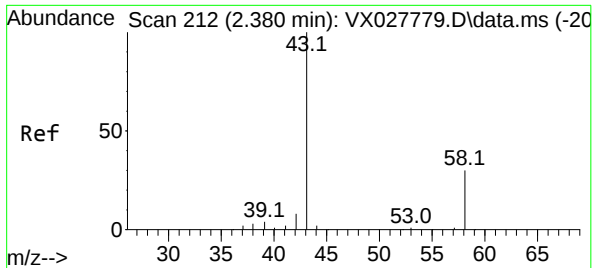
Ion Ratio Lower Upper

53 100

52 0.0 65.7 98.5#

51 97.9 28.4 42.6#

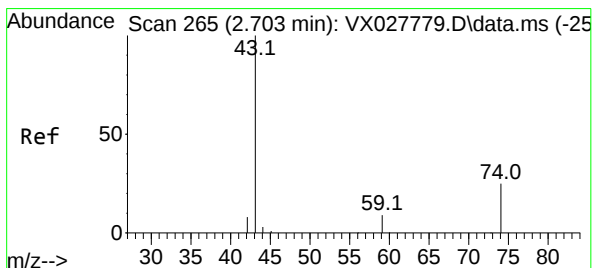
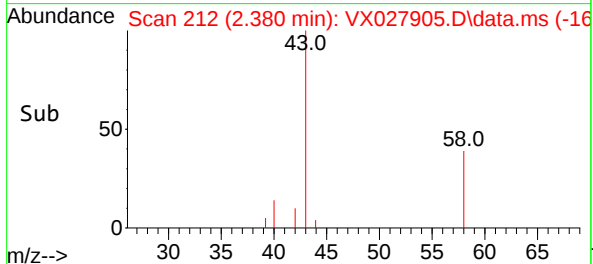
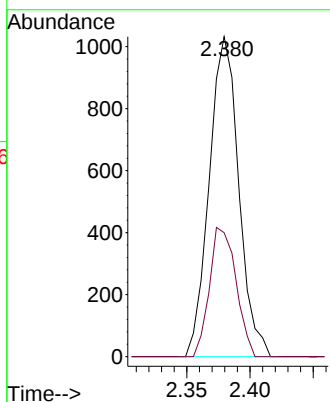
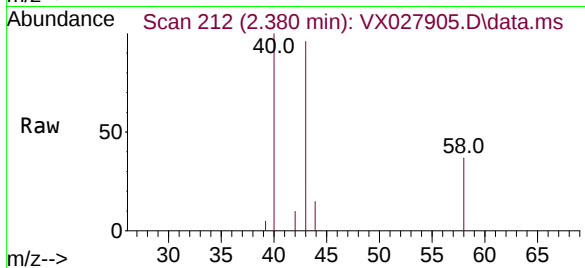




#16
Acetone
Concen: 3.595 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027905.D
Acq: 02 Apr 2022 01:16

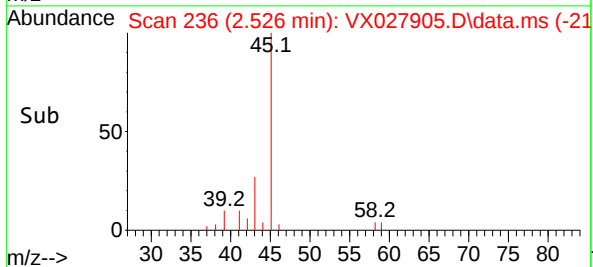
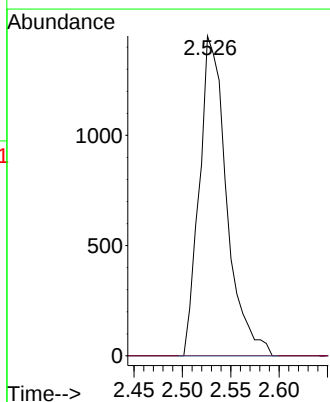
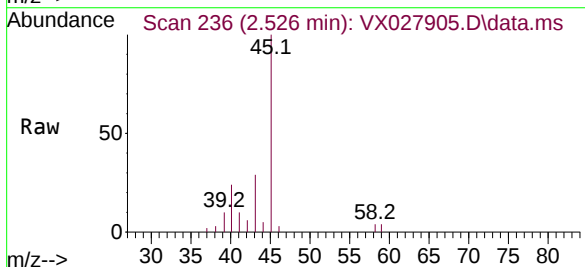
Instrument :
MSVOA_X
ClientSampleId :
MW-5R

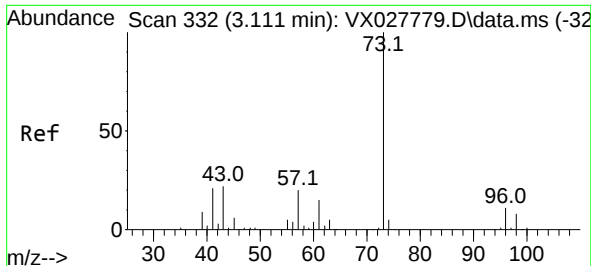
Tgt Ion: 43 Resp: 1672
Ion Ratio Lower Upper
43 100
58 38.8 28.8 43.2



#18
Methyl Acetate
Concen: 2.486 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.177 min
Lab File: VX027905.D
Acq: 02 Apr 2022 01:16

Tgt Ion: 43 Resp: 2850
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#

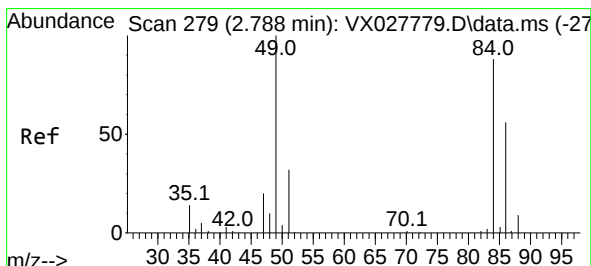
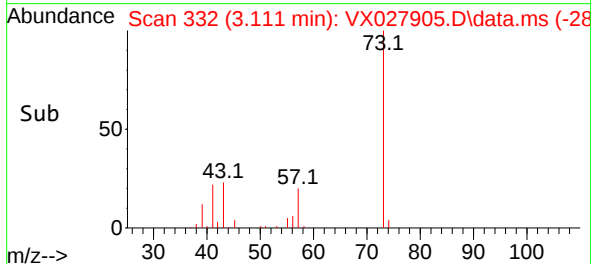
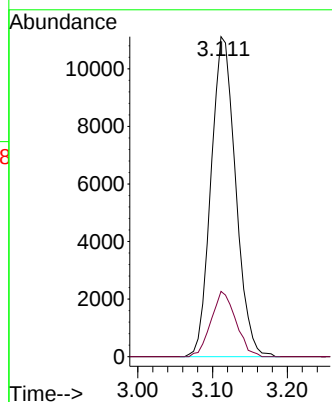
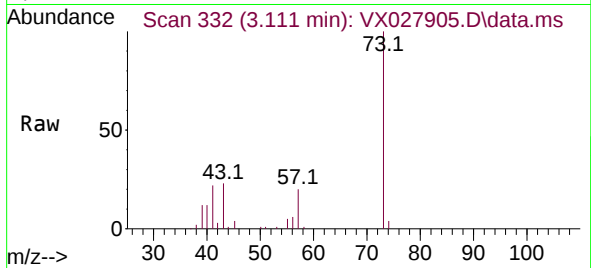




#19
Methyl tert-butyl Ether
Concen: 9.563 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX027905.D
Acq: 02 Apr 2022 01:16

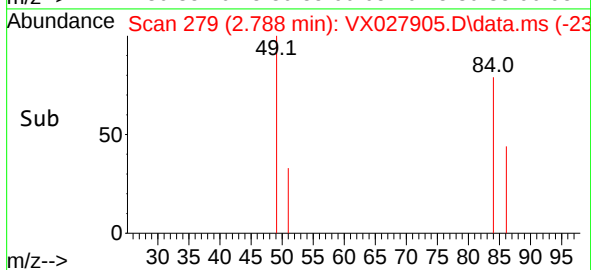
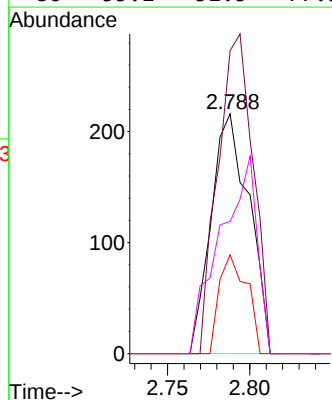
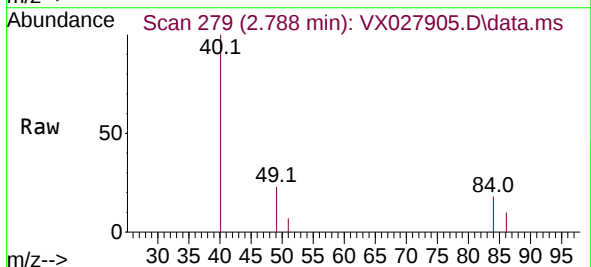
Instrument :
MSVOA_X
ClientSampleId :
MW-5R

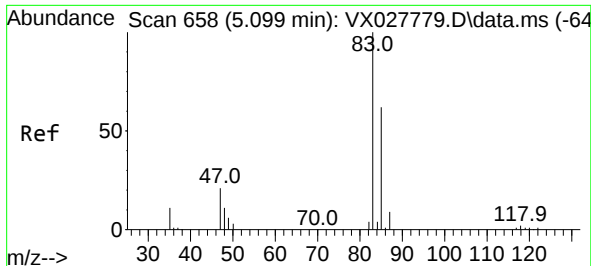
Tgt Ion: 73 Resp: 25498
Ion Ratio Lower Upper
73 100
57 20.4 16.8 25.2



#20
Methylene Chloride
Concen: 0.415 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX027905.D
Acq: 02 Apr 2022 01:16

Tgt Ion: 84 Resp: 347
Ion Ratio Lower Upper
84 100
49 126.4 85.5 128.3
51 41.2 26.6 39.8#
86 55.1 51.5 77.3





#30

Chloroform

Concen: 0.206 ug/l

RT: 5.099 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX027905.D

Acq: 02 Apr 2022 01:16

Instrument :

MSVOA_X

ClientSampleId :

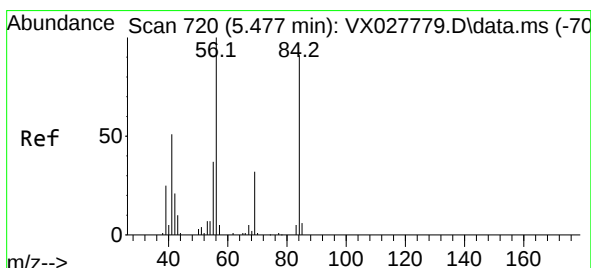
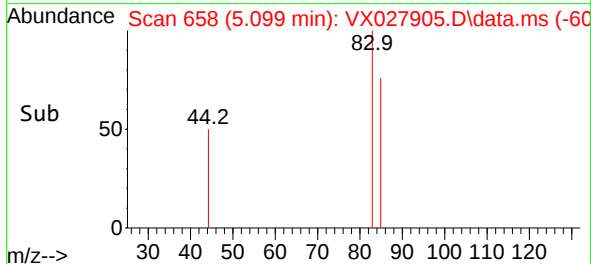
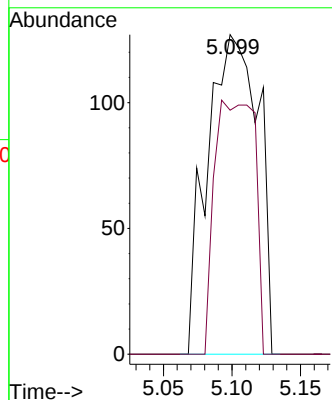
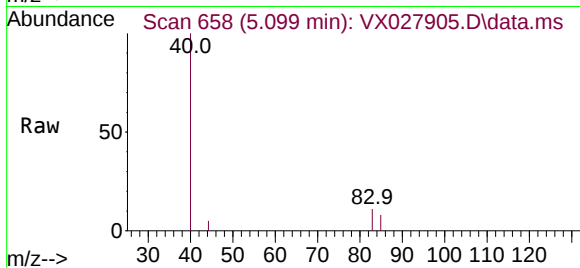
MW-5R

Tgt Ion: 83 Resp: 331

Ion Ratio Lower Upper

83 100

85 76.4 52.7 79.1



#31

Cyclohexane

Concen: 1.424 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX027905.D

Acq: 02 Apr 2022 01:16

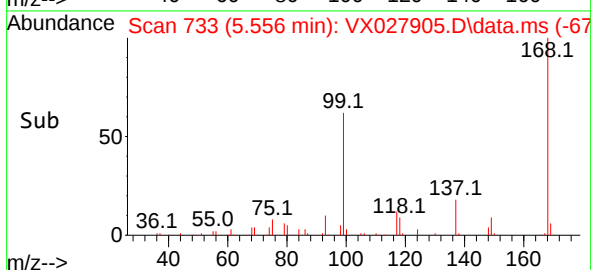
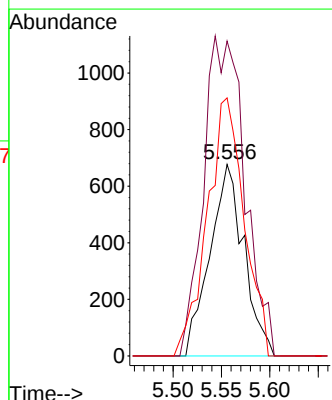
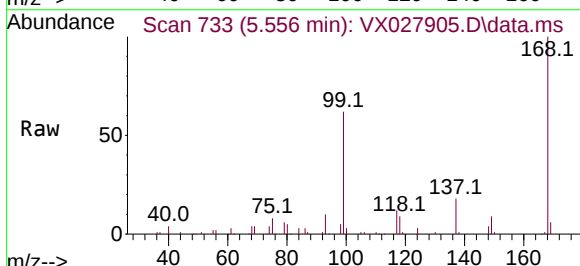
Tgt Ion: 56 Resp: 1654

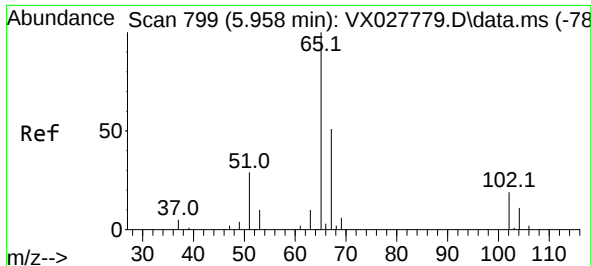
Ion Ratio Lower Upper

56 100

69 164.4 26.7 40.1#

84 134.7 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 51.879 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027905.D

Acq: 02 Apr 2022 01:16

Instrument :

MSVOA_X

ClientSampleId :

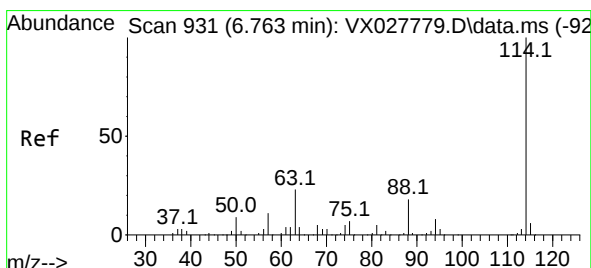
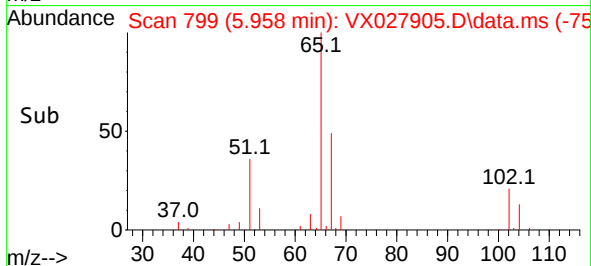
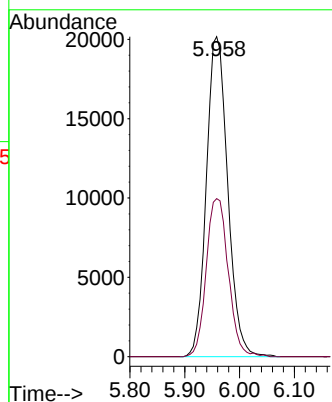
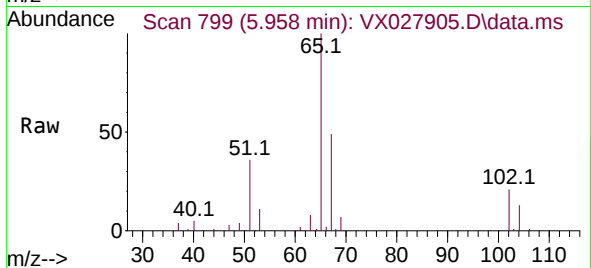
MW-5R

Tgt Ion: 65 Resp: 54526

Ion Ratio Lower Upper

65 100

67 51.0 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: VX027905.D

Acq: 02 Apr 2022 01:16

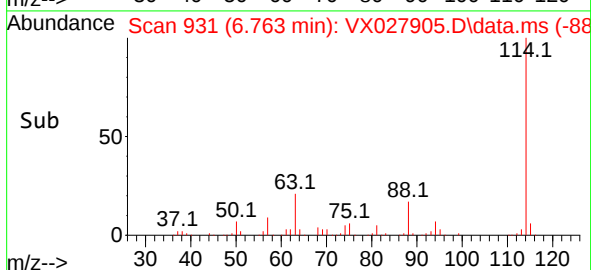
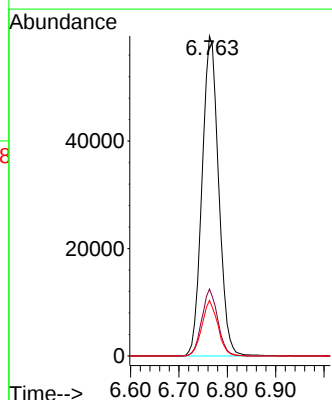
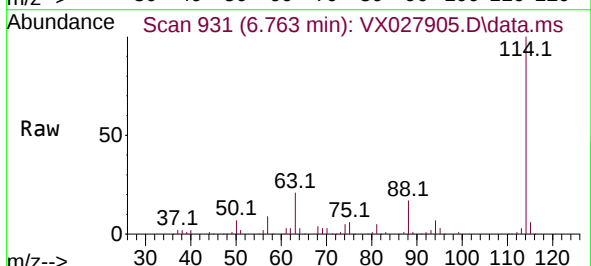
Tgt Ion: 114 Resp: 141821

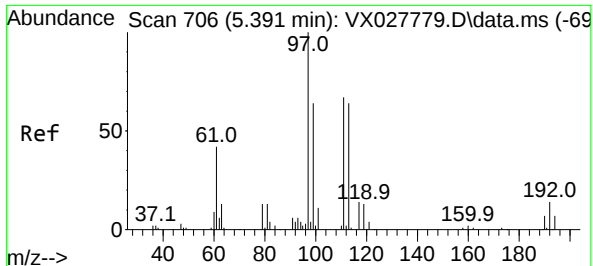
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.8

88 17.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.929 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027905.D

Acq: 02 Apr 2022 01:16

Instrument :

MSVOA_X

ClientSampleId :

MW-5R

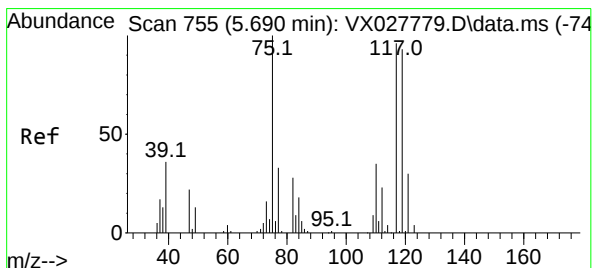
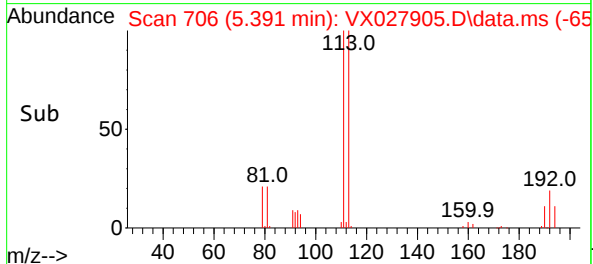
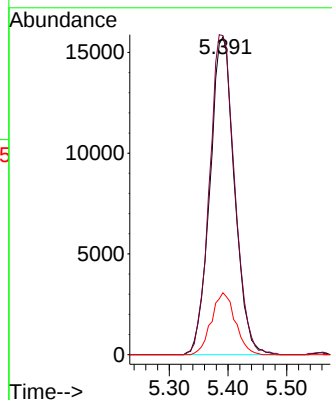
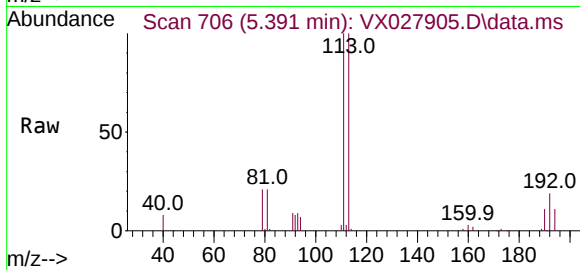
Tgt Ion:113 Resp: 45706

Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 19.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.376 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX027905.D

Acq: 02 Apr 2022 01:16

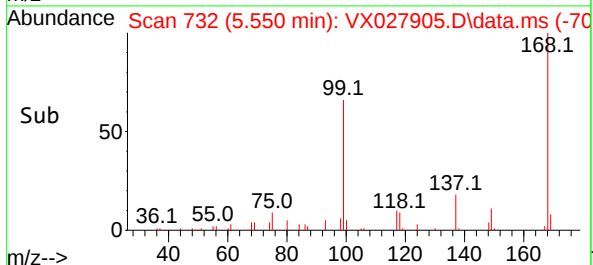
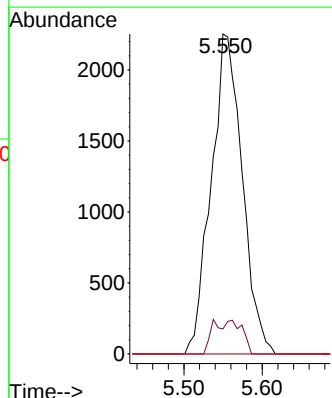
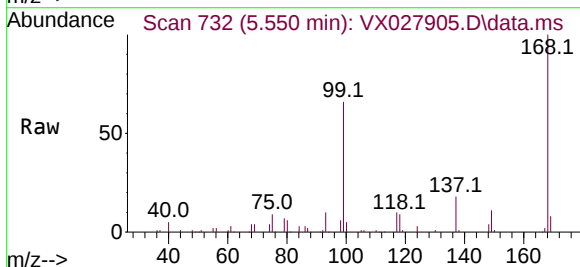
Tgt Ion: 75 Resp: 6198

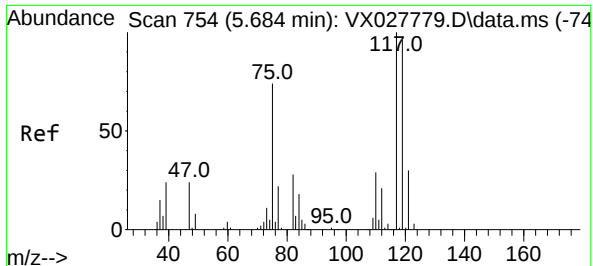
Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

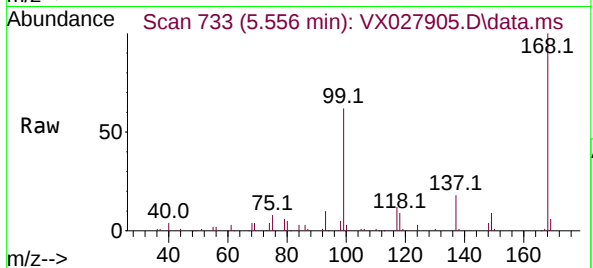
77 0.0 24.8 37.2#



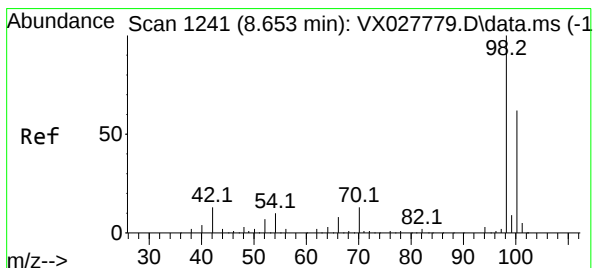
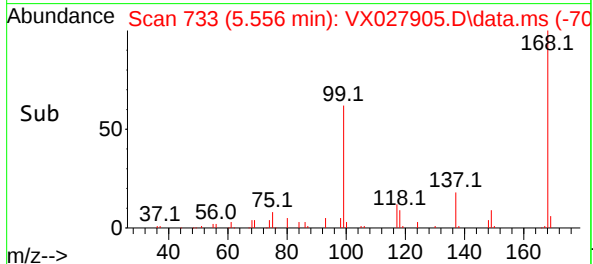
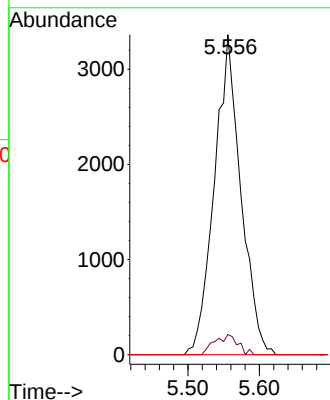


#38
Carbon Tetrachloride
Concen: 6.787 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX027905.D
Acq: 02 Apr 2022 01:16

Instrument :
MSVOA_X
ClientSampleId :
MW-5R

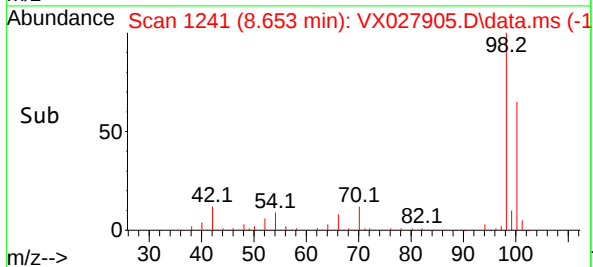
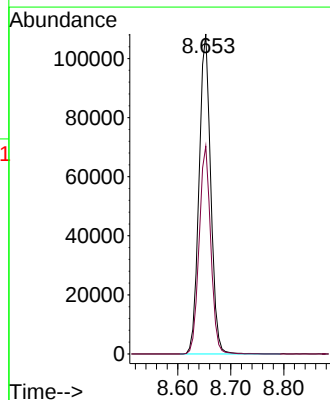
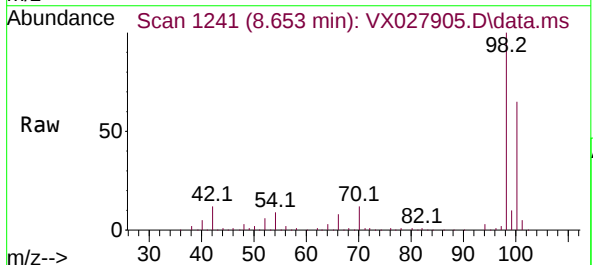


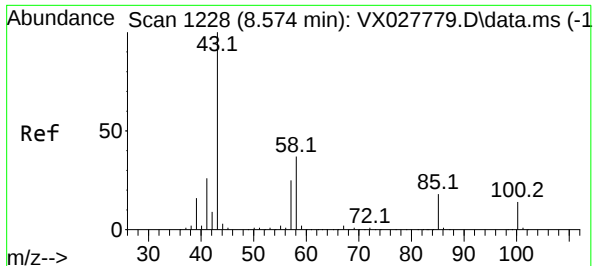
Tgt Ion:117 Resp: 8646
Ion Ratio Lower Upper
117 100
119 6.3 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.474 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027905.D
Acq: 02 Apr 2022 01:16

Tgt Ion: 98 Resp: 165789
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.483 ug/l

RT: 8.641 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX027905.D

Acq: 02 Apr 2022 01:16

Instrument :

MSVOA_X

ClientSampleId :

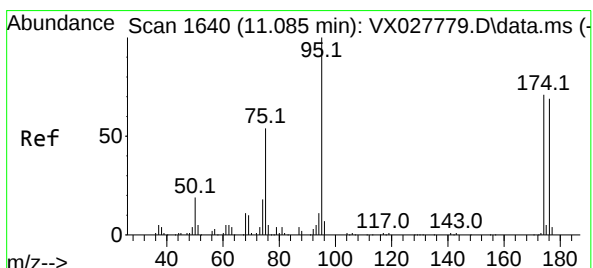
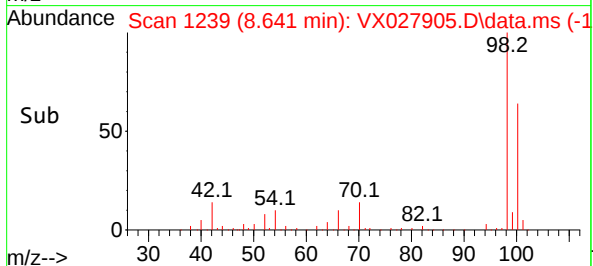
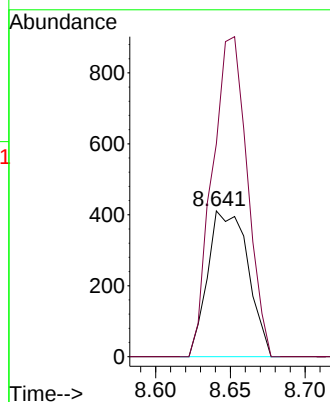
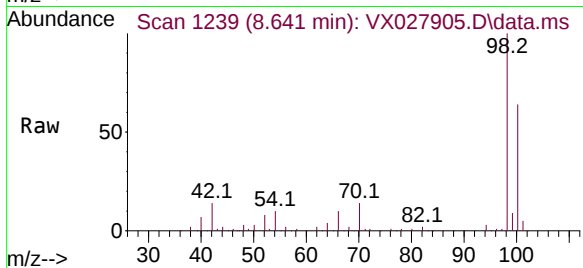
MW-5R

Tgt Ion: 43 Resp: 767

Ion Ratio Lower Upper

43 100

58 191.0 36.1 54.1#



#62

4-Bromofluorobenzene

Concen: 47.406 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX027905.D

Acq: 02 Apr 2022 01:16

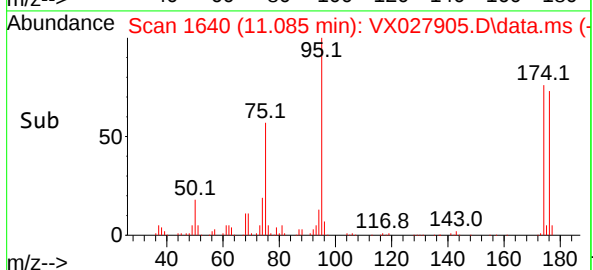
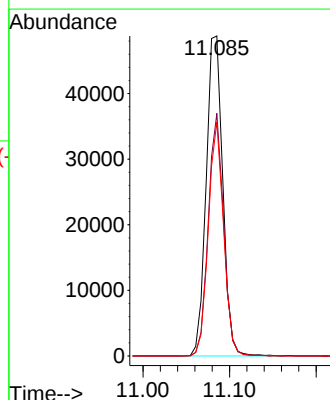
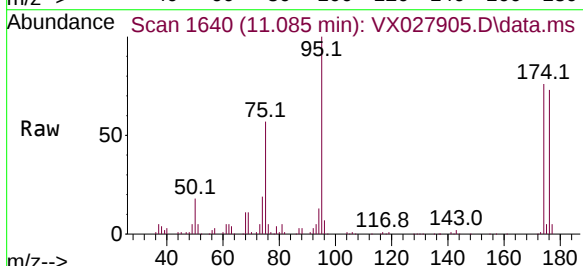
Tgt Ion: 95 Resp: 64887

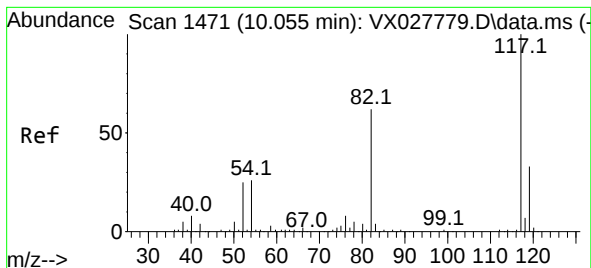
Ion Ratio Lower Upper

95 100

174 70.3 0.0 163.0

176 67.1 0.0 155.0

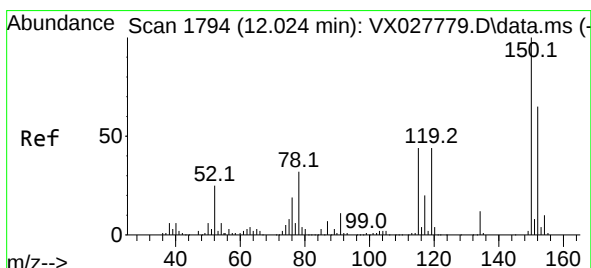
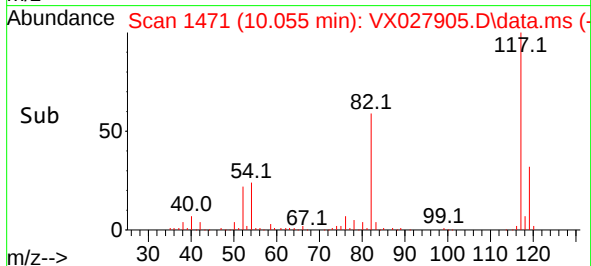
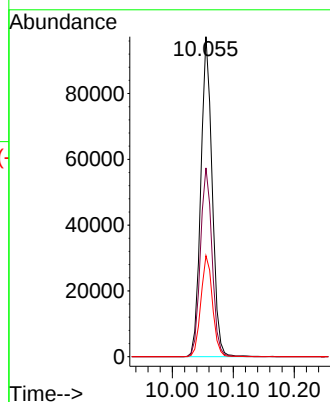
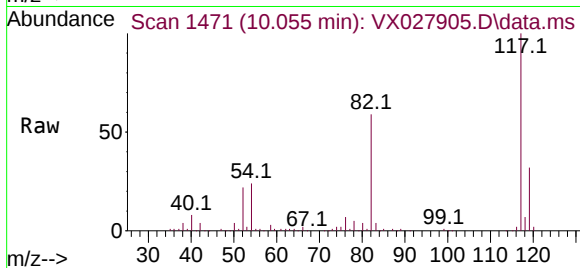




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027905.D
Acq: 02 Apr 2022 01:16

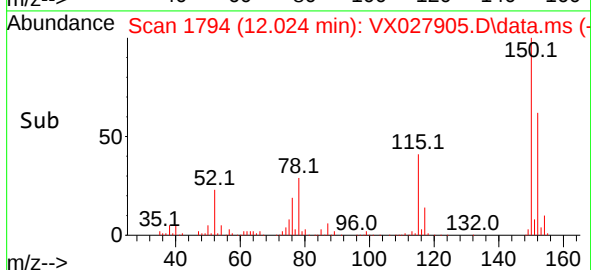
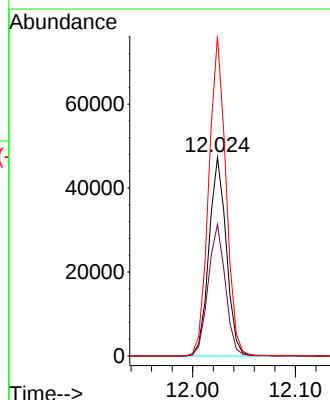
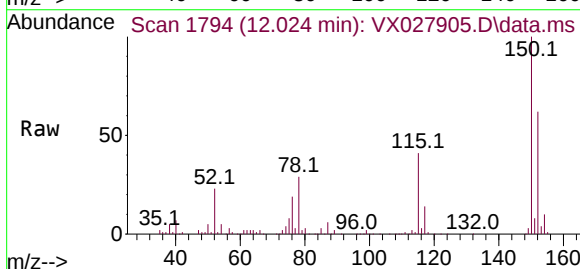
Instrument :
MSVOA_X
ClientSampleId :
MW-5R

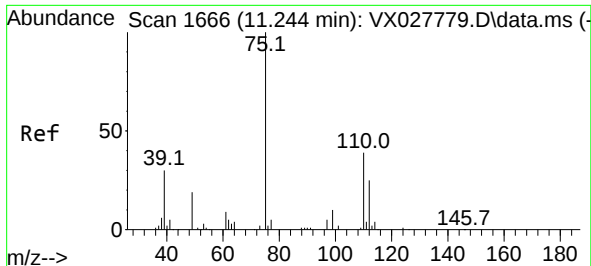
Tgt Ion:117 Resp: 125972
Ion Ratio Lower Upper
117 100
82 59.0 41.8 62.8
119 31.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027905.D
Acq: 02 Apr 2022 01:16

Tgt Ion:152 Resp: 55462
Ion Ratio Lower Upper
152 100
115 65.8 37.5 112.7
150 159.7 0.0 338.2

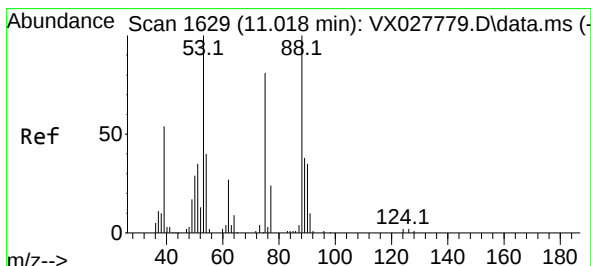
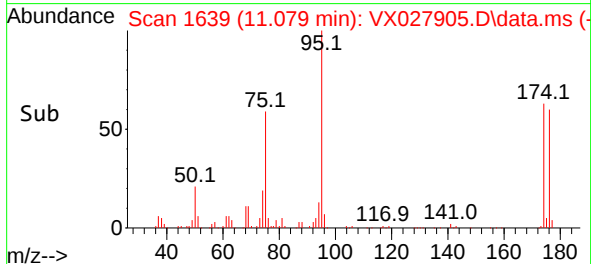
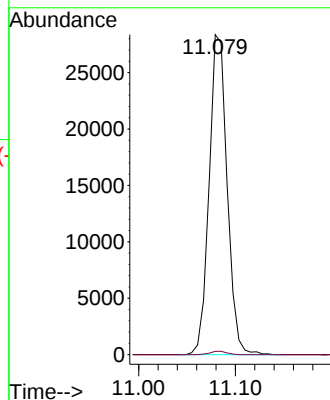
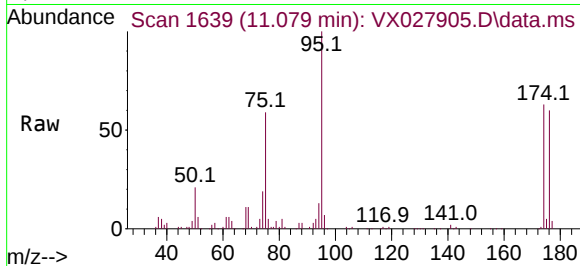




#76
1,2,3-Trichloropropane
Concen: 28.288 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027905.D
Acq: 02 Apr 2022 01:16

Instrument :
MSVOA_X
ClientSampleId :
MW-5R

Tgt Ion: 75 Resp: 36804
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.596 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027905.D
Acq: 02 Apr 2022 01:16

Tgt Ion: 75 Resp: 36804
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

