

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026166.D
 Acq On : 30 Dec 2021 14:27
 Operator : JC/MD
 Sample : M5132-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4RE

Quant Time: Dec 31 07:08:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

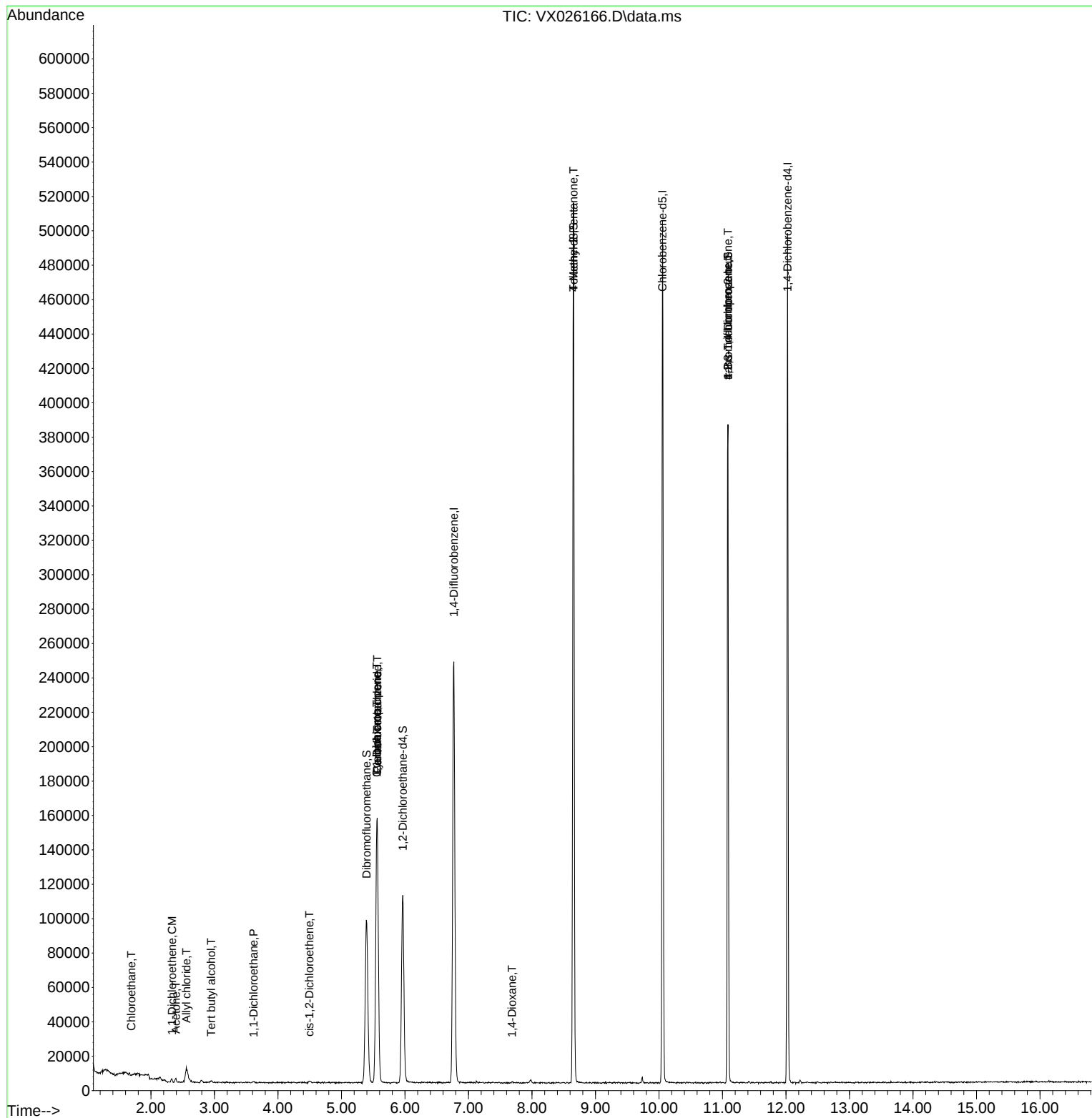
Internal Standards						
1) Pentafluorobenzene	5.562	168	138393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	239599	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103359	51.624	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.240%			
35) Dibromofluoromethane	5.397	113	80919	51.947	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.900%			
50) Toluene-d8	8.653	98	279868	48.302	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.600%			
62) 4-Bromofluorobenzene	11.085	95	95862	46.476	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.960%			
Target Compounds					Qvalue	
6) Chloroethane	1.691	64	377	0.301	ug/l #	42
11) Tert butyl alcohol	2.947	59	739	1.848	ug/l #	73
12) 1,1-Dichloroethene	2.331	96	510	0.333	ug/l	92
14) Allyl chloride	2.557	41	1552	0.512	ug/l #	58
16) Acetone	2.392	43	2824	2.603	ug/l	92
20) Methylene Chloride	2.800	84	594	Below Cal		86
24) 1,1-Dichloroethane	3.617	63	1058	0.338	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	748	0.393	ug/l	78
31) Cyclohexane	5.556	56	3483	1.222	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11951	4.757	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14845	5.312	ug/l #	15
49) 1,4-Dioxane	7.684	88	351	8.365	ug/l #	89
51) 4-Methyl-2-Pentanone	8.653	43	1657	0.561	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	54240	24.460	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54240	70.764	ug/l #	10

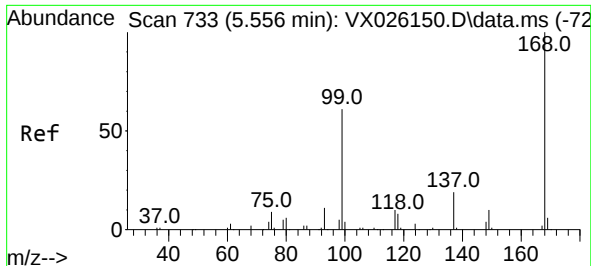
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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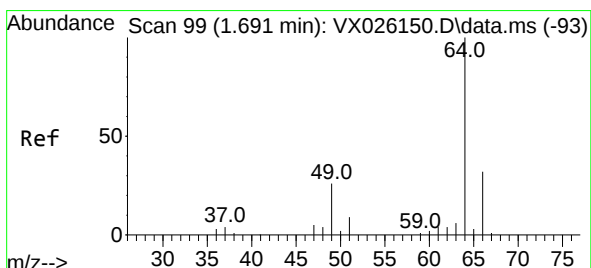
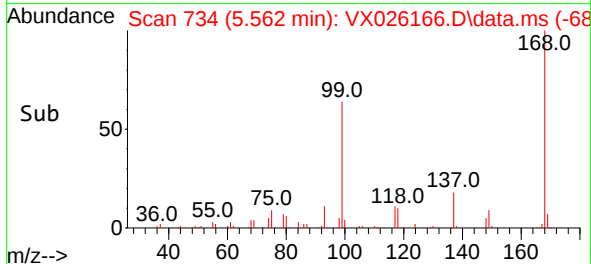
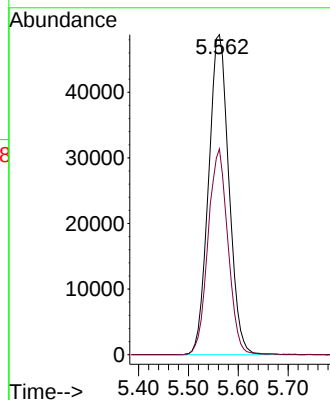
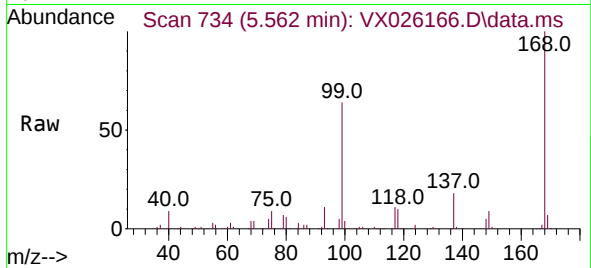




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026166.D
Acq: 30 Dec 2021 14:27

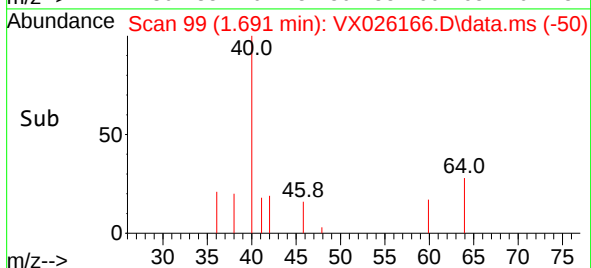
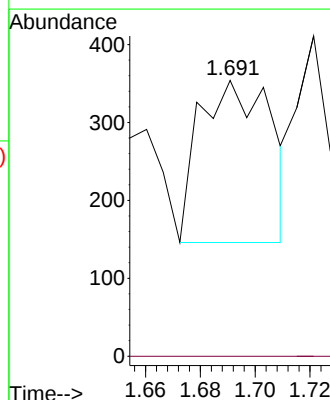
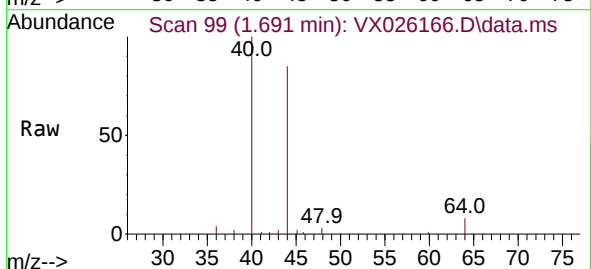
Instrument :
MSVOA_X
ClientSampleId :
MW-4RE

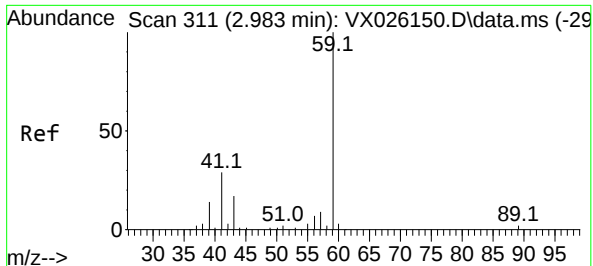
Tgt Ion:168 Resp: 138393
Ion Ratio Lower Upper
168 100
99 64.3 45.8 68.8



#6
Chloroethane
Concen: 0.301 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX026166.D
Acq: 30 Dec 2021 14:27

Tgt Ion: 64 Resp: 377
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 1.848 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.036 min

Lab File: VX026166.D

Acq: 30 Dec 2021 14:27

Instrument :

MSVOA_X

ClientSampleId :

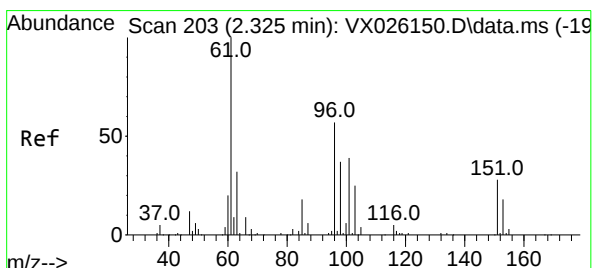
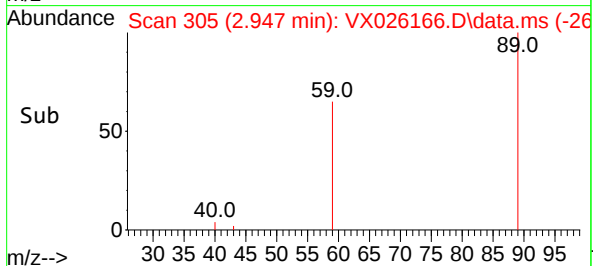
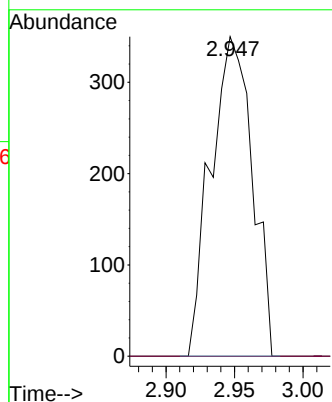
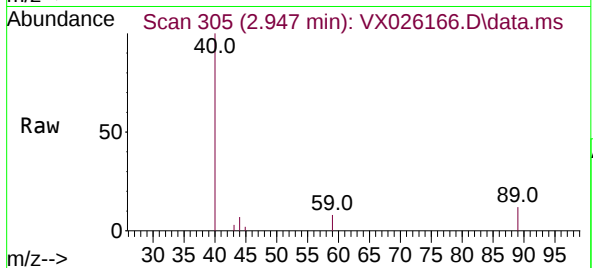
MW-4RE

Tgt Ion: 59 Resp: 739

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#12

1,1-Dichloroethene

Concen: 0.333 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.006 min

Lab File: VX026166.D

Acq: 30 Dec 2021 14:27

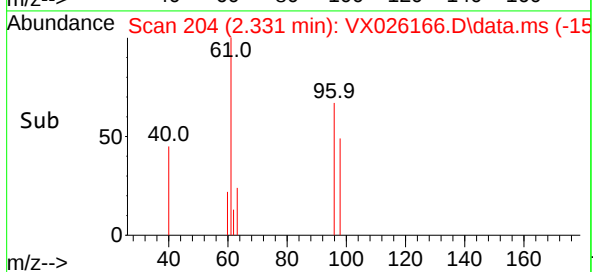
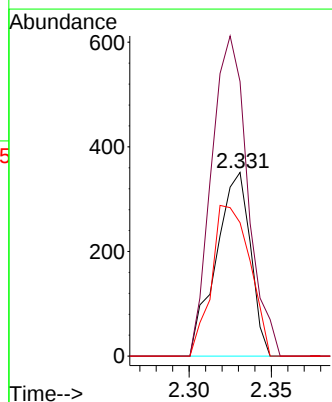
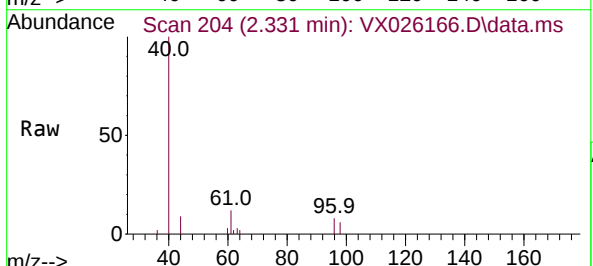
Tgt Ion: 96 Resp: 510

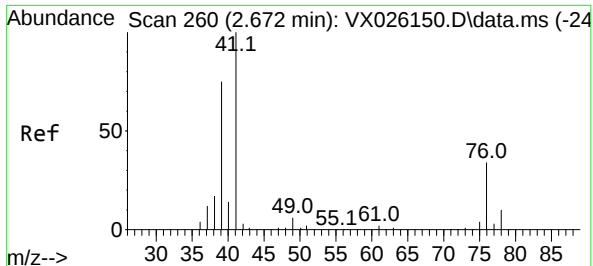
Ion Ratio Lower Upper

96 100

61 149.6 127.5 191.3

98 72.6 52.0 78.0





#14

Allyl chloride

Concen: 0.512 ug/l

RT: 2.557 min Scan# 241

Delta R.T. -0.115 min

Lab File: VX026166.D

Acq: 30 Dec 2021 14:27

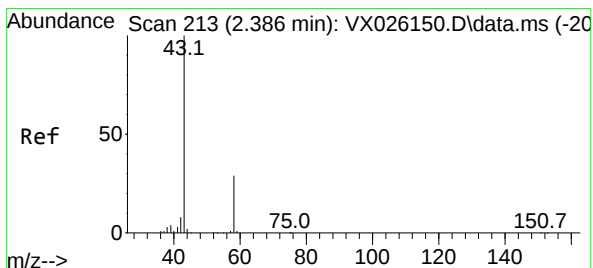
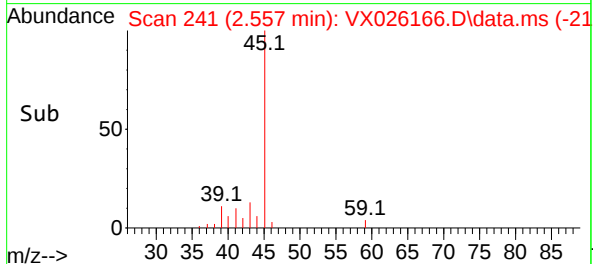
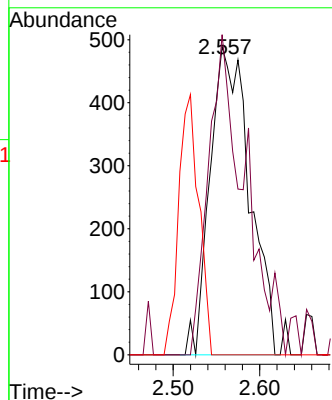
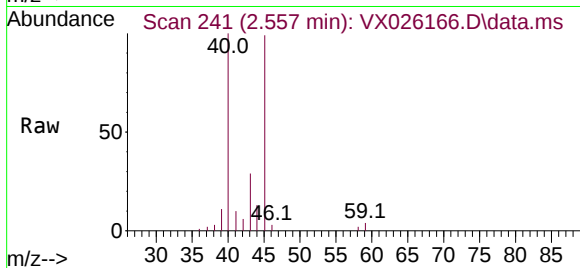
Instrument :

MSVOA_X

ClientSampleId :

MW-4RE

Tgt Ion: 41	Resp: 1552
Ion Ratio	Lower Upper
41 100	
39 96.3	55.4 83.0#
76 0.0	27.6 41.4#



#16

Acetone

Concen: 2.603 ug/l

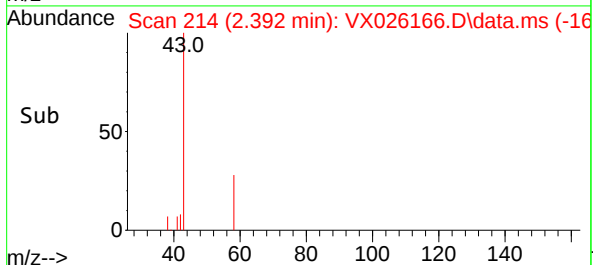
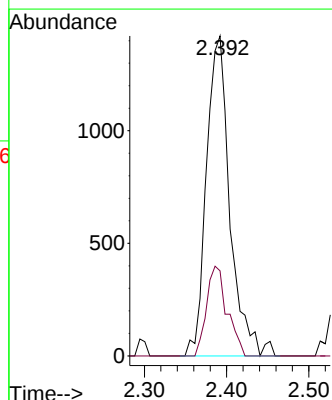
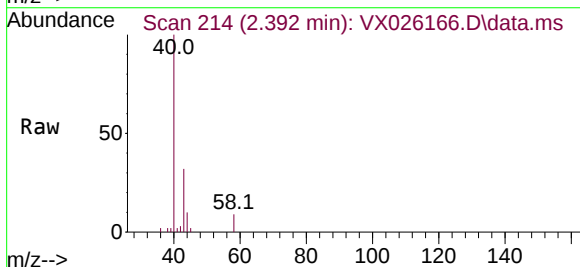
RT: 2.392 min Scan# 214

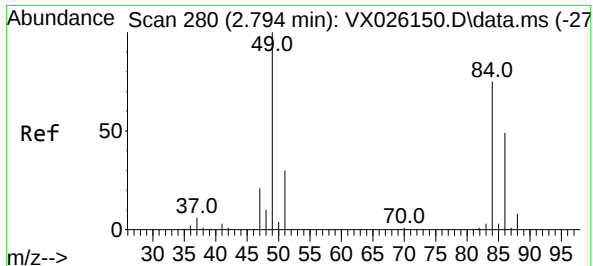
Delta R.T. 0.006 min

Lab File: VX026166.D

Acq: 30 Dec 2021 14:27

Tgt Ion: 43	Resp: 2824
Ion Ratio	Lower Upper
43 100	
58 26.6	24.8 37.2

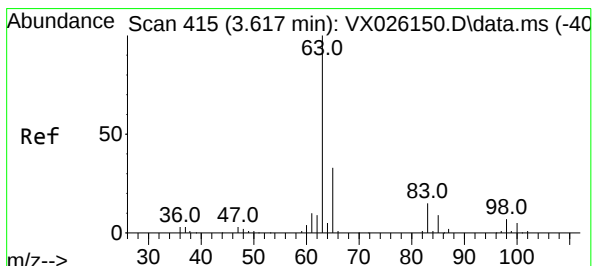
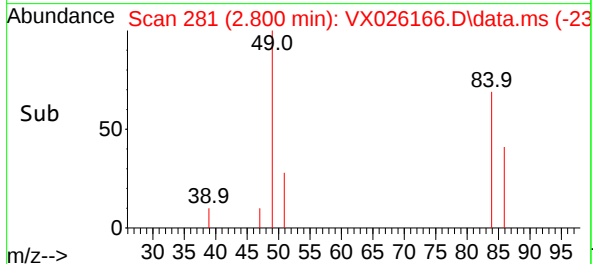
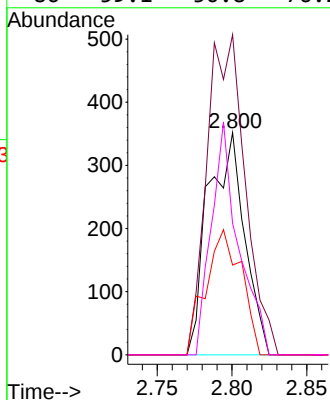
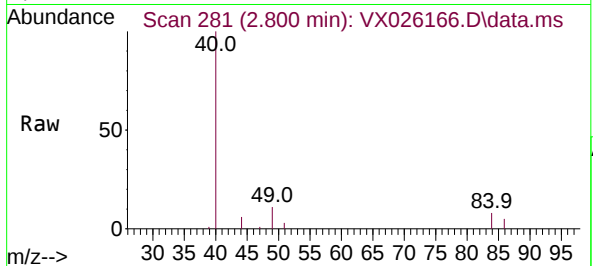




#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026166.D
Acq: 30 Dec 2021 14:27

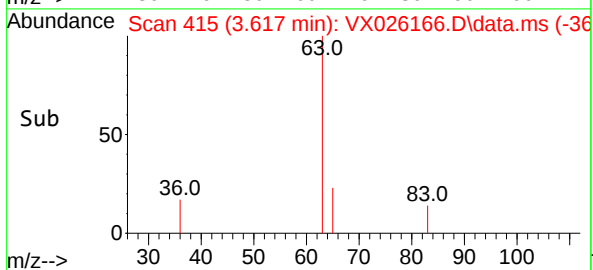
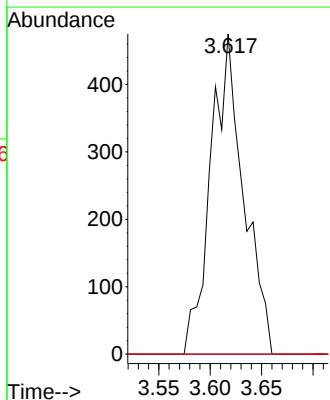
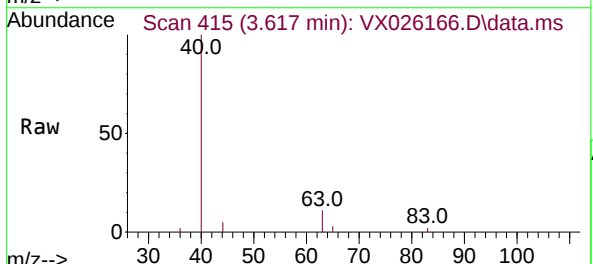
Instrument :
MSVOA_X
ClientSampleId :
MW-4RE

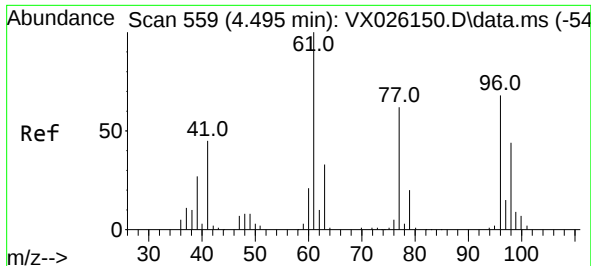
Tgt Ion: 84	Resp: 594
Ion Ratio	Lower Upper
84 100	
49 144.0	97.1 145.7
51 40.3	29.3 43.9
86 59.1	50.8 76.2



#24
1,1-Dichloroethane
Concen: 0.338 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX026166.D
Acq: 30 Dec 2021 14:27

Tgt Ion: 63	Resp: 1058
Ion Ratio	Lower Upper
63 100	
98 0.0	3.3 9.9#
100 0.0	2.2 6.6#





#27

cis-1,2-Dichloroethene

Concen: 0.393 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX026166.D

Acq: 30 Dec 2021 14:27

Instrument :

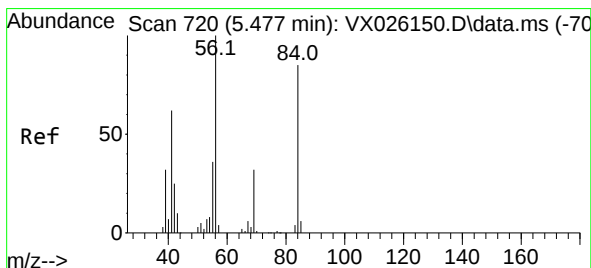
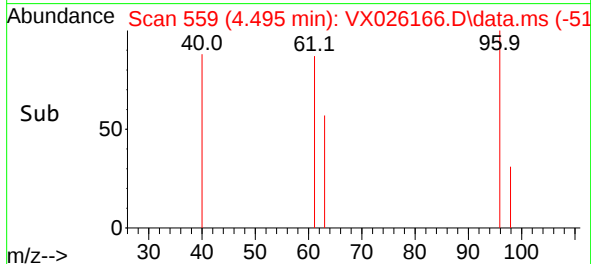
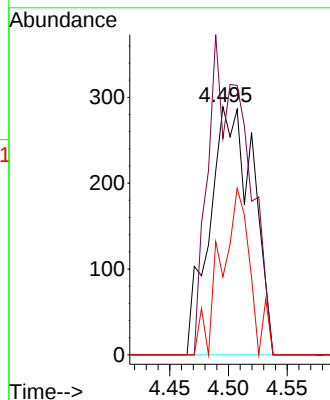
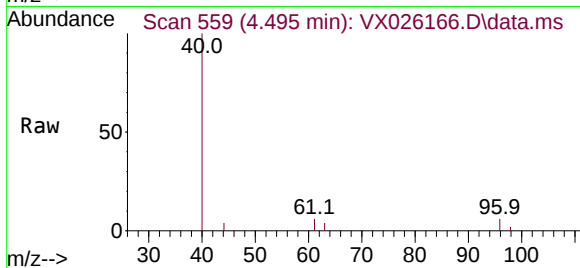
MSVOA_X

ClientSampleId :

MW-4RE

Tgt Ion: 96 Resp: 748

Ion	Ratio	Lower	Upper
96	100		
61	114.2	0.0	276.8
98	44.9	0.0	130.6



#31

Cyclohexane

Concen: 1.222 ug/l

RT: 5.556 min Scan# 733

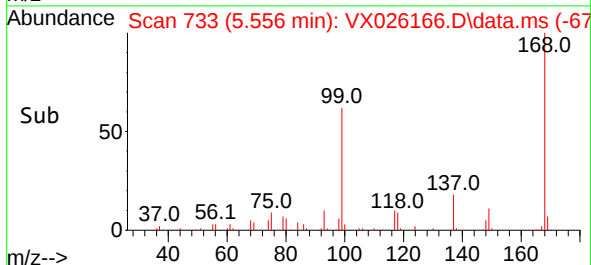
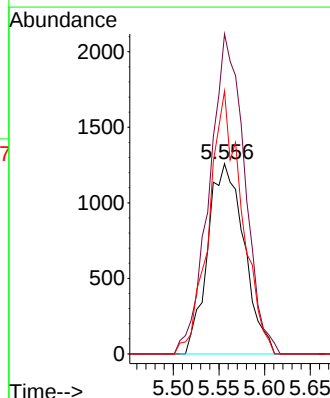
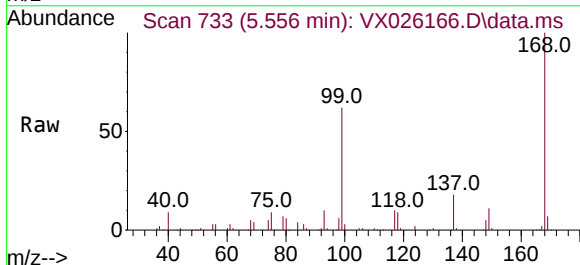
Delta R.T. 0.079 min

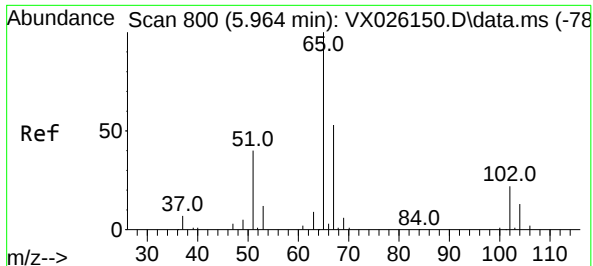
Lab File: VX026166.D

Acq: 30 Dec 2021 14:27

Tgt Ion: 56 Resp: 3483

Ion	Ratio	Lower	Upper
56	100		
69	168.2	23.9	35.9#
84	138.2	73.2	109.8#





#33

1,2-Dichloroethane-d4

Concen: 51.624 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026166.D

Acq: 30 Dec 2021 14:27

Instrument :

MSVOA_X

ClientSampleId :

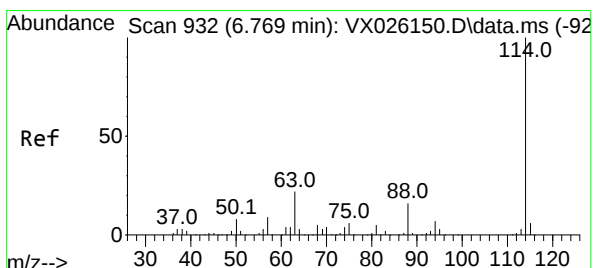
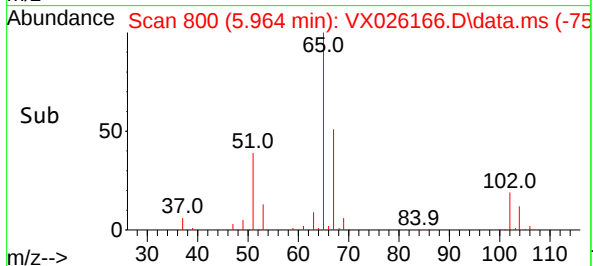
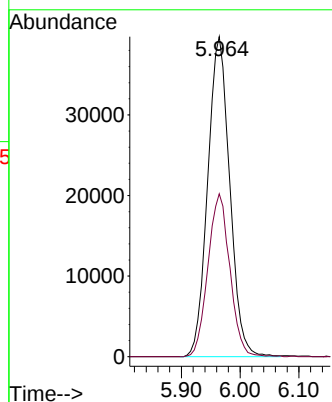
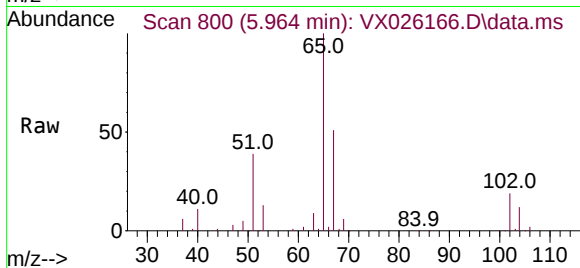
MW-4RE

Tgt Ion: 65 Resp: 103359

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX026166.D

Acq: 30 Dec 2021 14:27

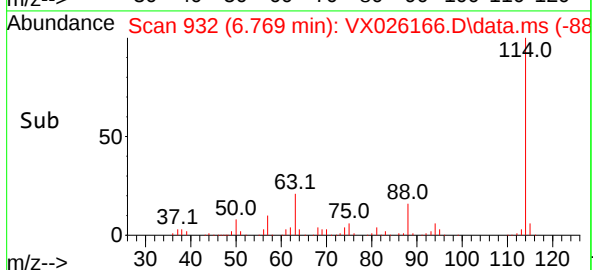
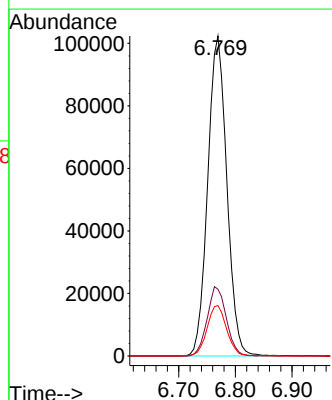
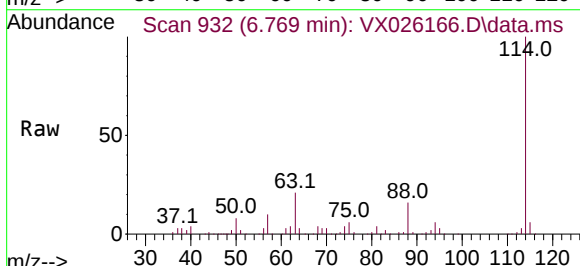
Tgt Ion: 114 Resp: 239599

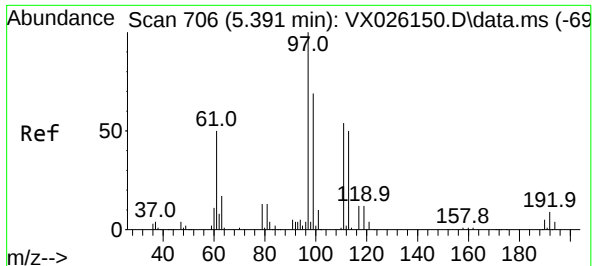
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.947 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX026166.D

Acq: 30 Dec 2021 14:27

Instrument :

MSVOA_X

ClientSampleId :

MW-4RE

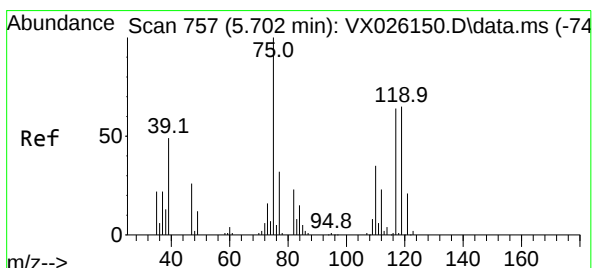
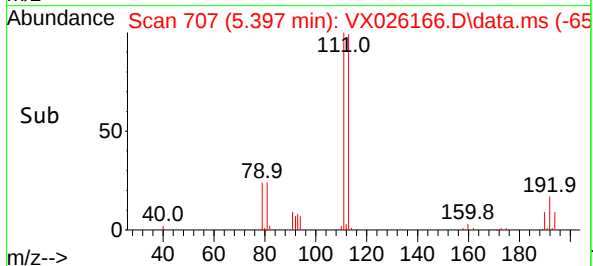
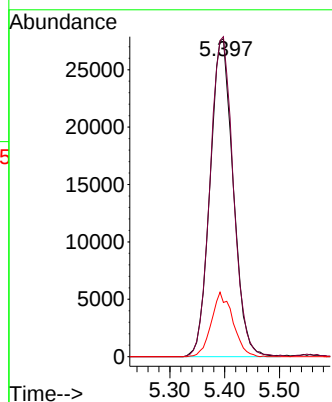
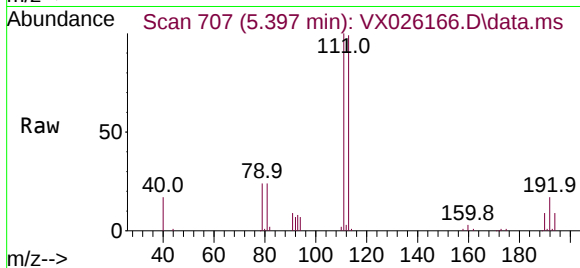
Tgt Ion:113 Resp: 80919

Ion Ratio Lower Upper

113 100

111 101.2 81.8 122.8

192 18.9 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.757 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX026166.D

Acq: 30 Dec 2021 14:27

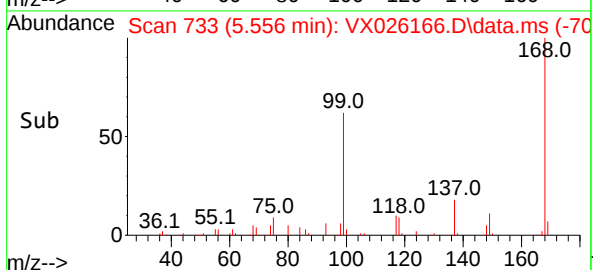
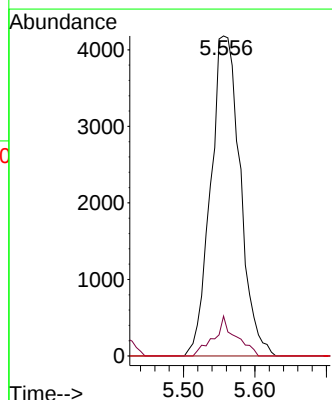
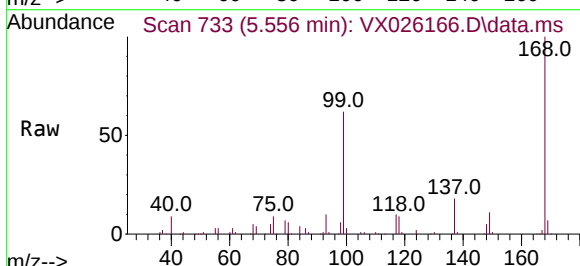
Tgt Ion: 75 Resp: 11951

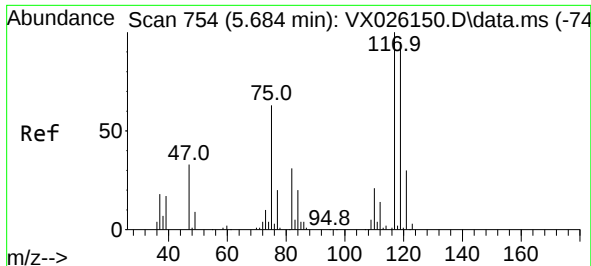
Ion Ratio Lower Upper

75 100

110 9.2 18.2 54.6#

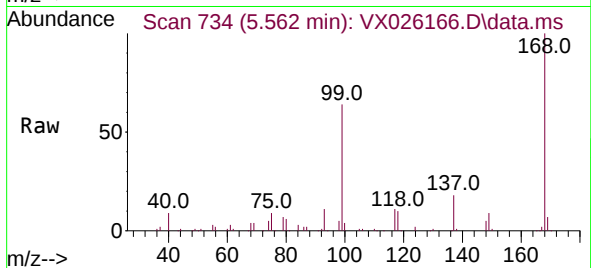
77 0.0 24.7 37.1#



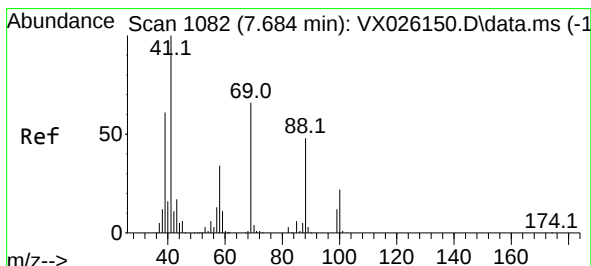
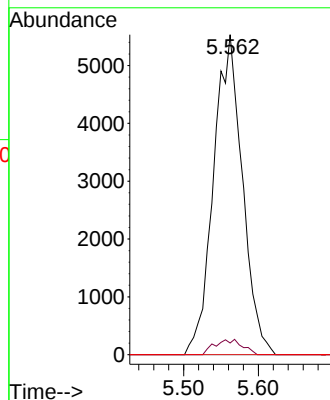
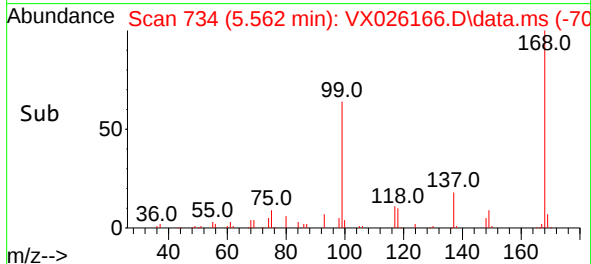


#38
Carbon Tetrachloride
Concen: 5.312 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX026166.D
Acq: 30 Dec 2021 14:27

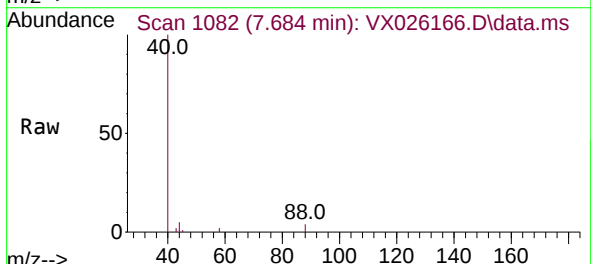
Instrument :
MSVOA_X
ClientSampleId :
MW-4RE



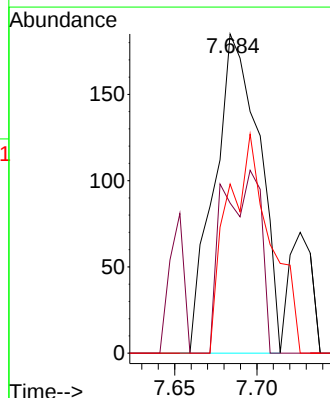
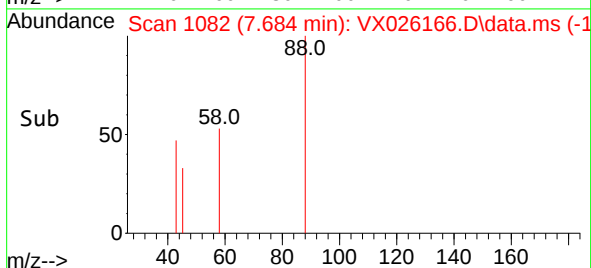
Tgt Ion:117 Resp: 14845
Ion Ratio Lower Upper
117 100
119 3.6 77.2 115.8#
121 0.0 23.8 35.8#

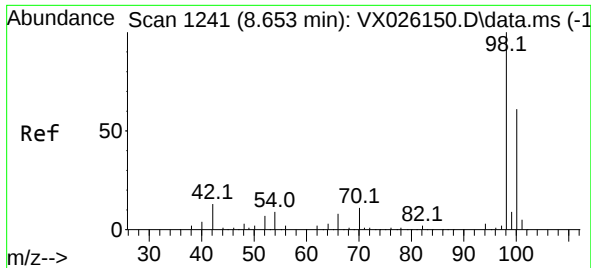


#49
1,4-Dioxane
Concen: 8.365 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.000 min
Lab File: VX026166.D
Acq: 30 Dec 2021 14:27



Tgt Ion: 88 Resp: 351
Ion Ratio Lower Upper
88 100
43 48.4 25.3 37.9#
58 65.8 51.8 77.6

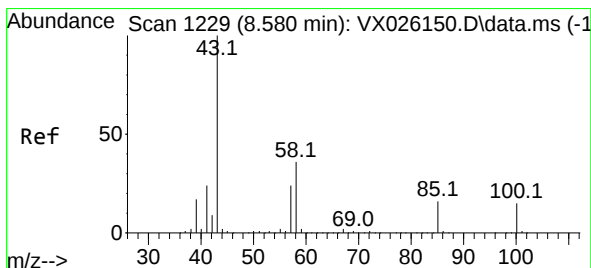
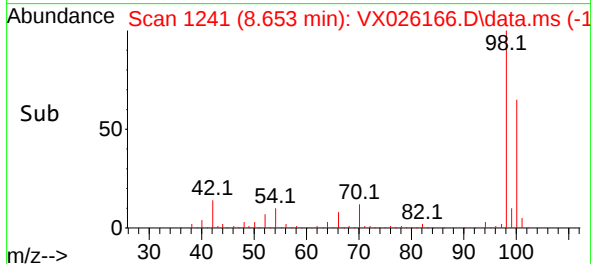
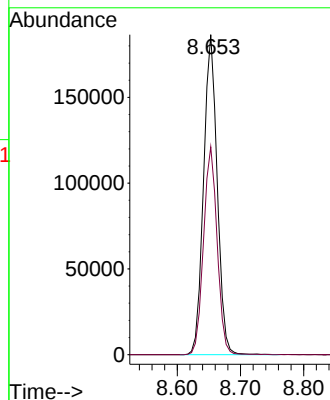
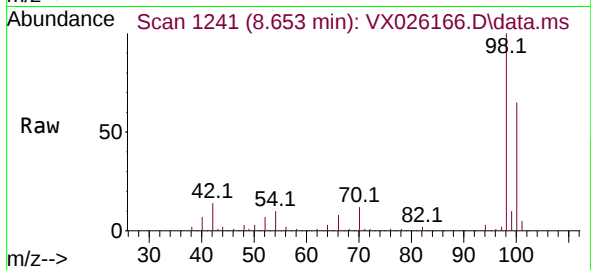




#50
Toluene-d8
Concen: 48.302 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX026166.D
Acq: 30 Dec 2021 14:27

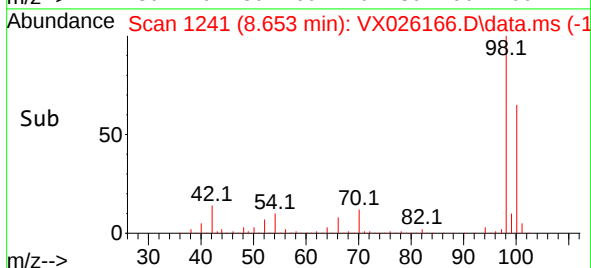
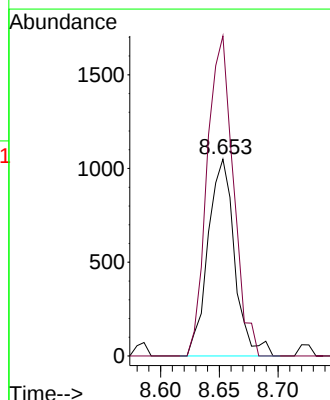
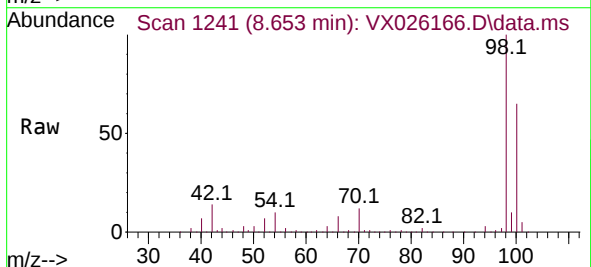
Instrument :
MSVOA_X
ClientSampleId :
MW-4RE

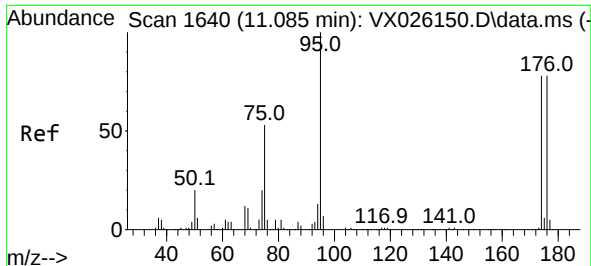
Tgt Ion: 98 Resp: 279868
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.561 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX026166.D
Acq: 30 Dec 2021 14:27

Tgt Ion: 43 Resp: 1657
Ion Ratio Lower Upper
43 100
58 159.9 30.8 46.2#





#62

4-Bromofluorobenzene

Concen: 46.476 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX026166.D

Acq: 30 Dec 2021 14:27

Instrument :

MSVOA_X

ClientSampleId :

MW-4RE

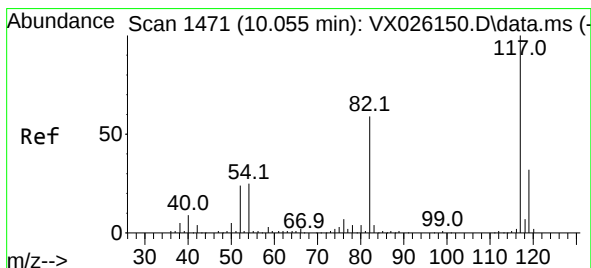
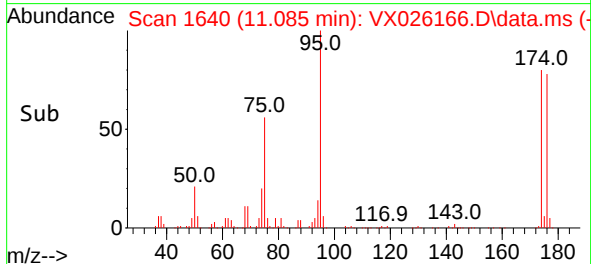
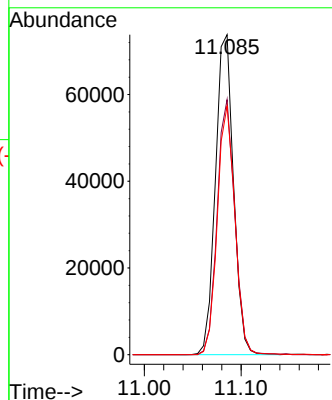
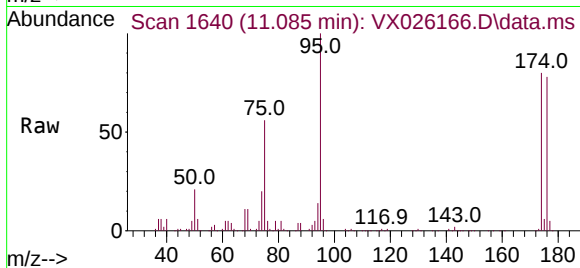
Tgt Ion: 95 Resp: 95862

Ion Ratio Lower Upper

95 100

174 77.7 0.0 157.4

176 75.6 0.0 154.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX026166.D

Acq: 30 Dec 2021 14:27

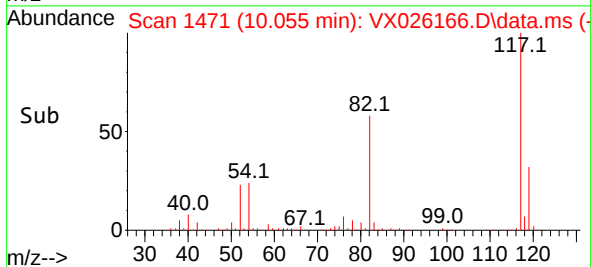
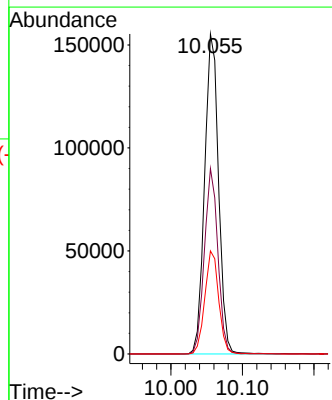
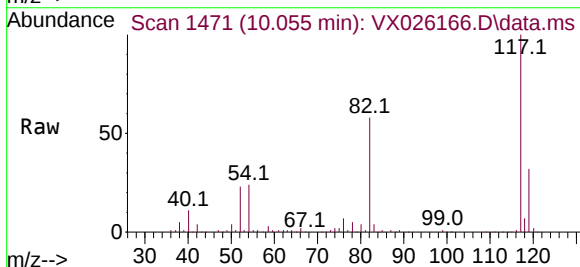
Tgt Ion: 117 Resp: 210358

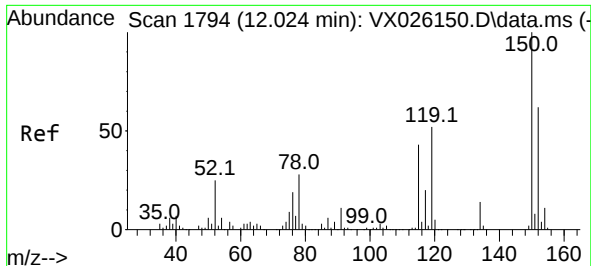
Ion Ratio Lower Upper

117 100

82 57.9 43.8 65.6

119 32.2 25.2 37.8

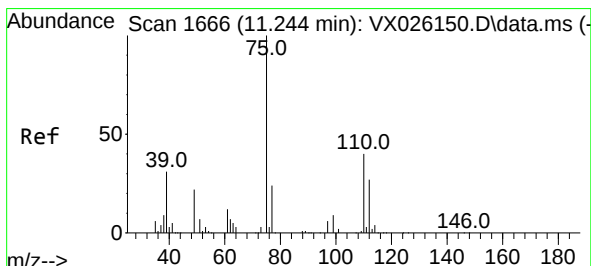
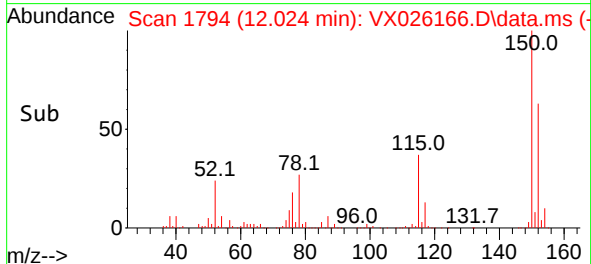
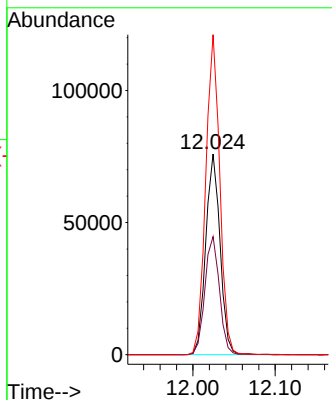
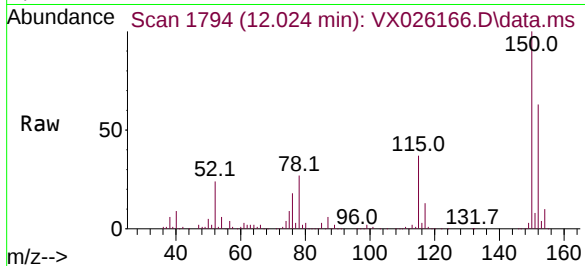




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX026166.D
 Acq: 30 Dec 2021 14:27

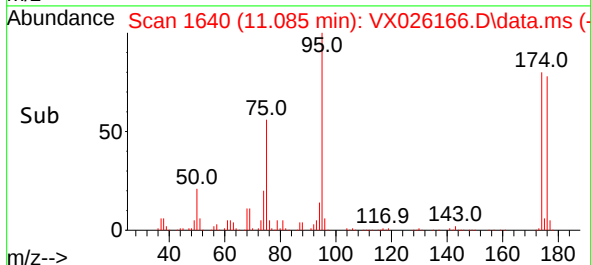
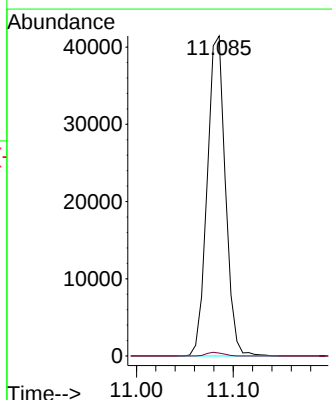
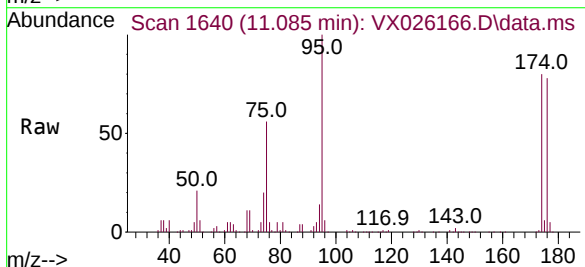
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4RE

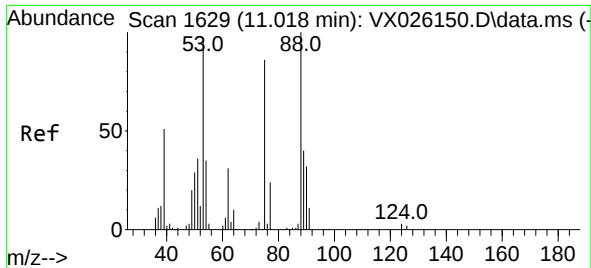
Tgt Ion:152 Resp: 91868
 Ion Ratio Lower Upper
 152 100
 115 59.9 41.3 123.9
 150 156.0 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 24.460 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX026166.D
 Acq: 30 Dec 2021 14:27

Tgt Ion: 75 Resp: 54240
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.764 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX026166.D
 Acq: 30 Dec 2021 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4RE

Tgt Ion: 75 Resp: 54240
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#

