

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028678.D
 Acq On : 13 May 2022 15:20
 Operator : JC/MD
 Sample : N2794-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW9-MW01S-20220510

Quant Time: May 16 02:21:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

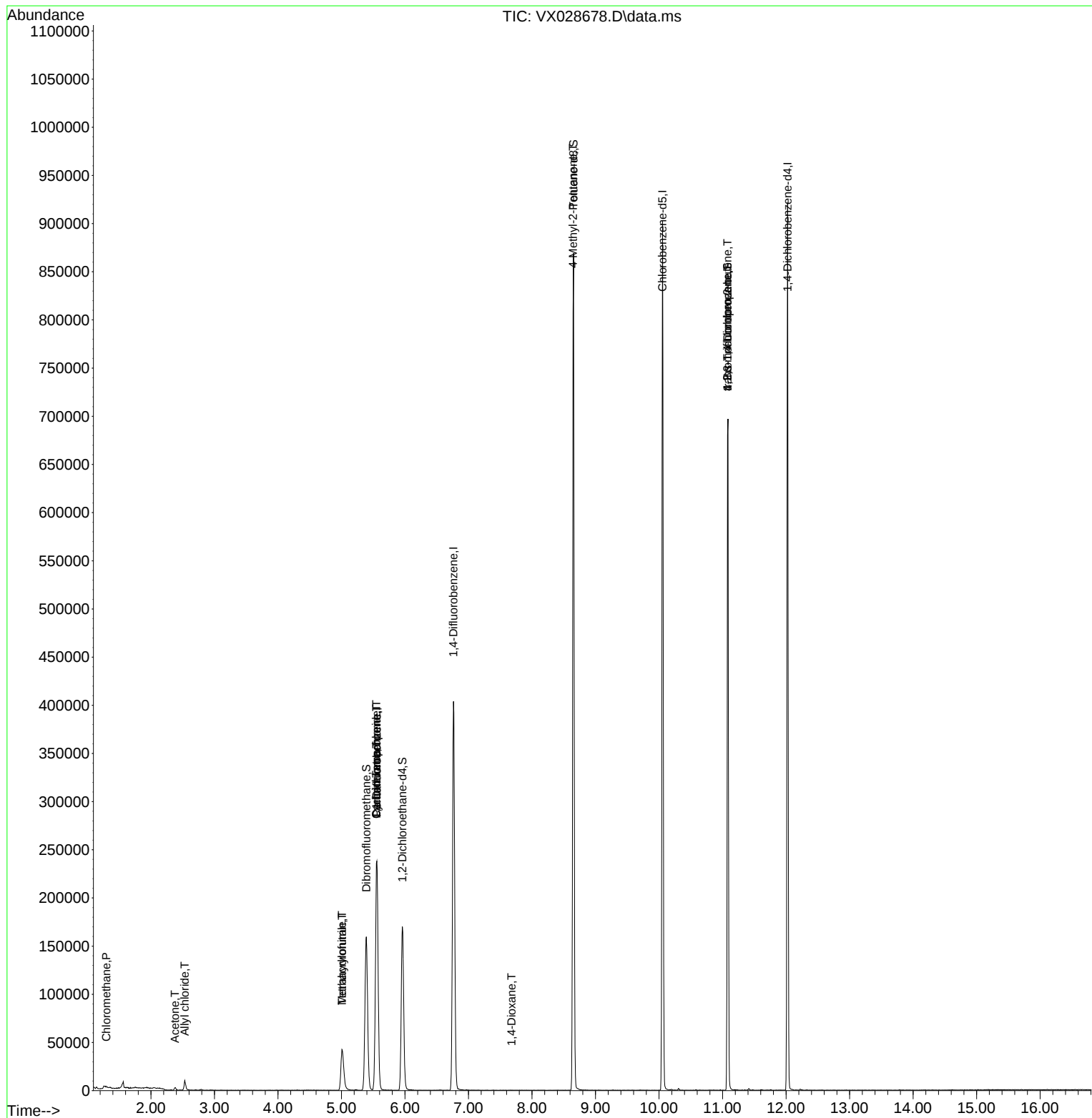
Internal Standards						
1) Pentafluorobenzene	5.556	168	220849	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	410938	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	389355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	162894	53.808	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.620%			
35) Dibromofluoromethane	5.391	113	136520	50.706	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.420%			
50) Toluene-d8	8.653	98	502381	49.491	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.980%			
62) 4-Bromofluorobenzene	11.079	95	182348	48.095	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.180%			
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	616	0.226	ug/l	# 76
5) Bromomethane	1.612	94	456	Below Cal		92
6) Chloroethane	1.679	64	83	Below Cal	#	49
11) Tert butyl alcohol	2.941	59	196	Below Cal	#	72
14) Allyl chloride	2.532	41	1012	0.276	ug/l	# 69
16) Acetone	2.380	43	2995	2.305	ug/l	98
29) Tetrahydrofuran	5.007	42	40475	30.532	ug/l	89
31) Cyclohexane	5.550	56	5297	1.261	ug/l	# 46
36) 1,1-Dichloropropene	5.550	75	19198	4.747	ug/l	# 49
38) Carbon Tetrachloride	5.550	117	24170	5.939	ug/l	# 15
41) Methacrylonitrile	5.007	41	23358	10.314	ug/l	# 41
49) 1,4-Dioxane	7.678	88	25	0.313	ug/l	# 25
51) 4-Methyl-2-Pentanone	8.647	43	2237	0.514	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	99139	24.224	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	99139	70.543	ug/l	# 15

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

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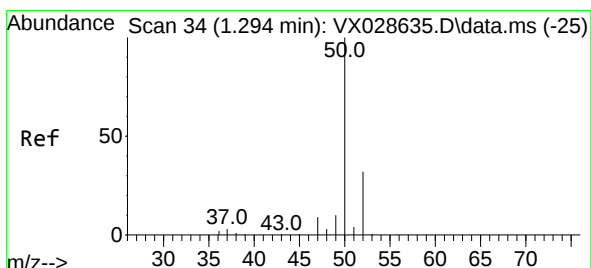
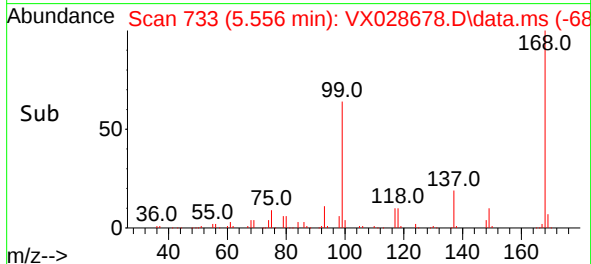
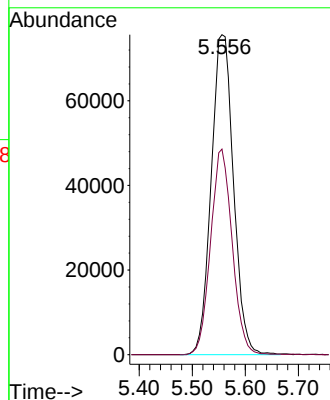
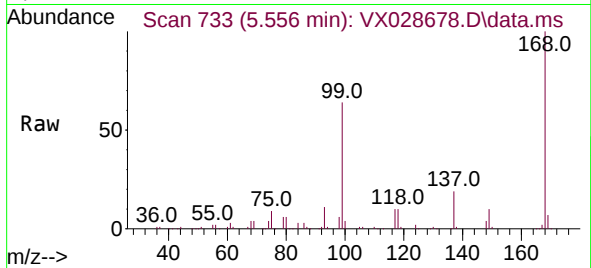




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

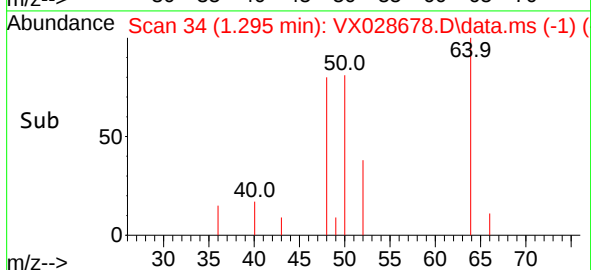
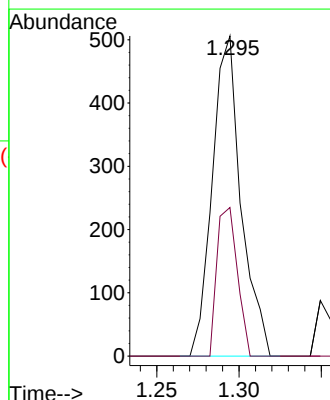
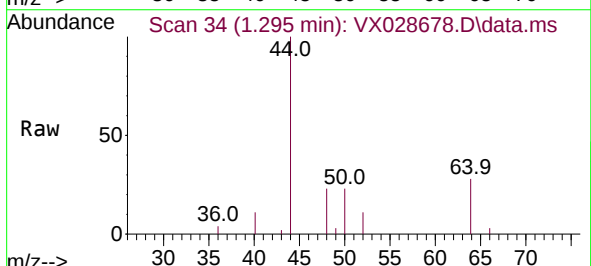
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01S-20220510

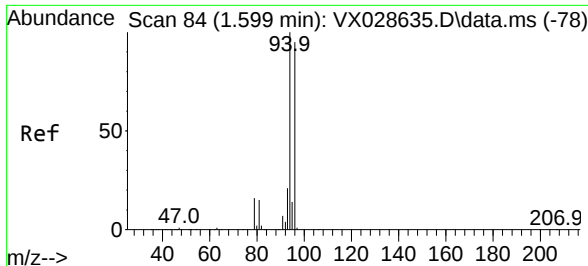
Tgt Ion:168 Resp: 220849
Ion Ratio Lower Upper
168 100
99 64.2 41.7 62.5#



#3
Chloromethane
Concen: 0.226 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

Tgt Ion: 50 Resp: 616
Ion Ratio Lower Upper
50 100
52 46.4 26.4 39.6#

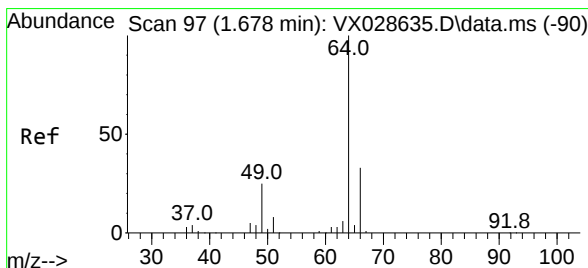
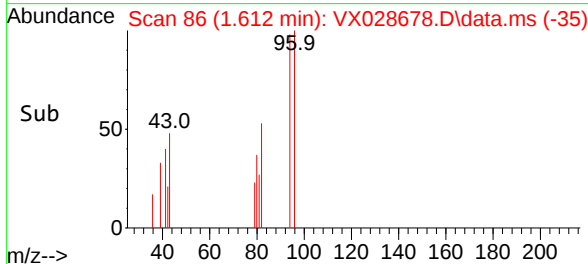
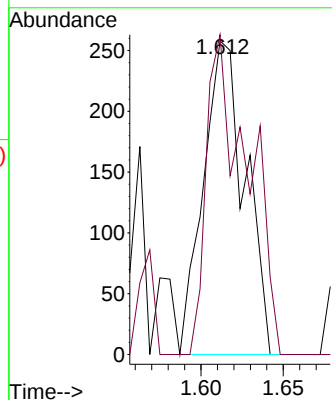
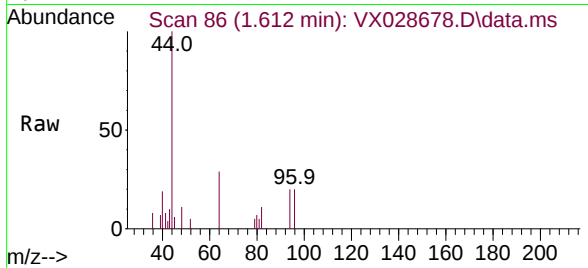




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

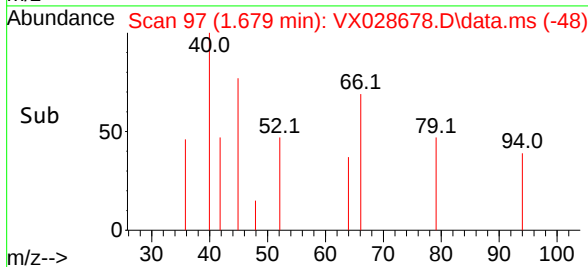
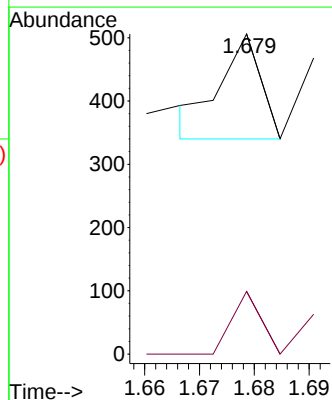
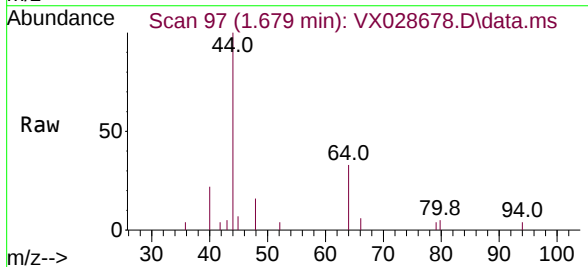
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01S-20220510

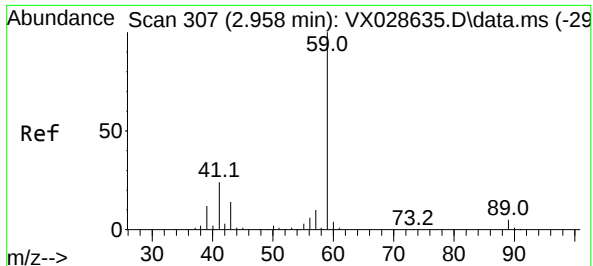
Tgt Ion: 94 Resp: 456
Ion Ratio Lower Upper
94 100
96 101.9 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 97
Delta R.T. 0.001 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

Tgt Ion: 64 Resp: 83
Ion Ratio Lower Upper
64 100
66 59.6 25.3 37.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 307

Delta R.T. -0.017 min

Lab File: VX028678.D

Acq: 13 May 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

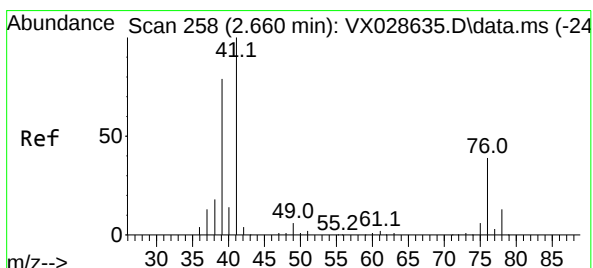
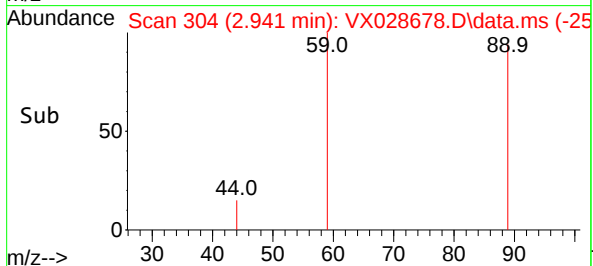
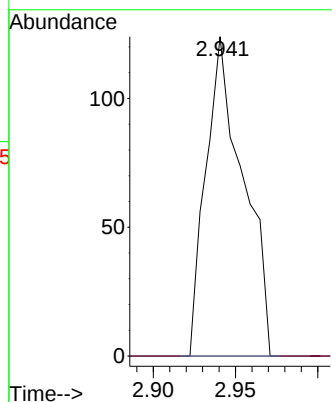
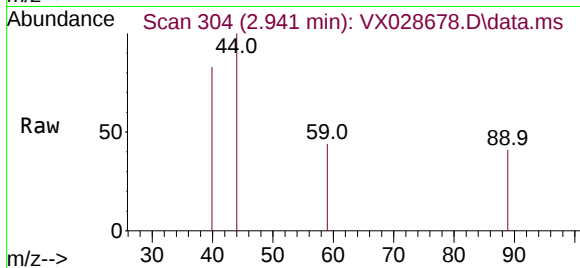
RW9-MW01S-20220510

Tgt Ion: 59 Resp: 196

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#14

Allyl chloride

Concen: 0.276 ug/l

RT: 2.532 min Scan# 237

Delta R.T. -0.128 min

Lab File: VX028678.D

Acq: 13 May 2022 15:20

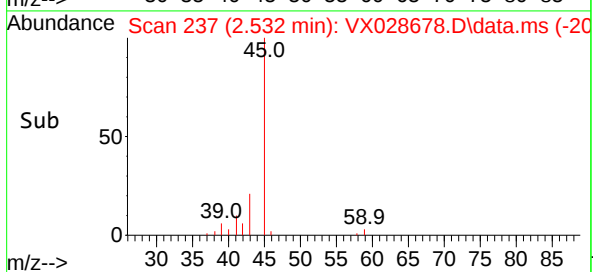
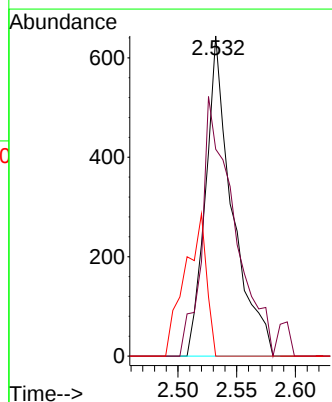
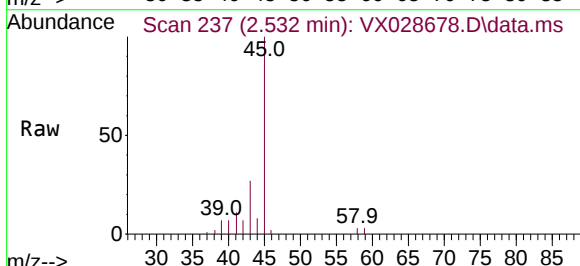
Tgt Ion: 41 Resp: 1012

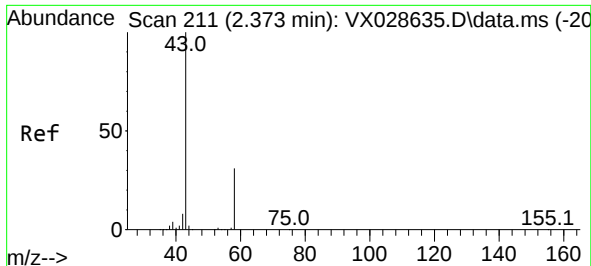
Ion Ratio Lower Upper

41 100

39 99.0 50.4 75.6#

76 36.5 32.7 49.1





#16

Acetone

Concen: 2.305 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.007 min

Lab File: VX028678.D

Acq: 13 May 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

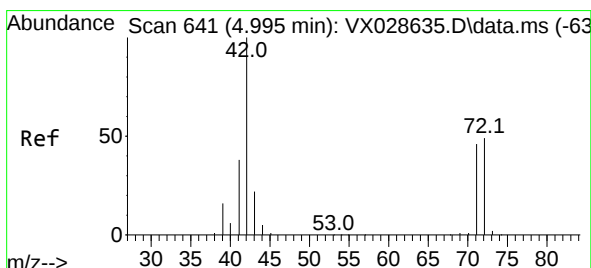
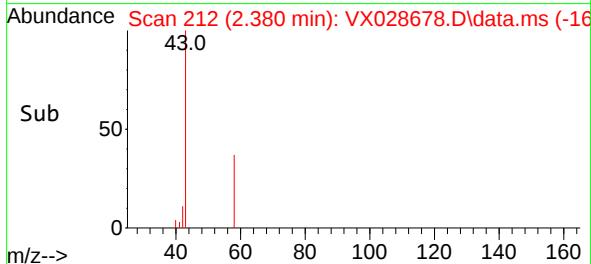
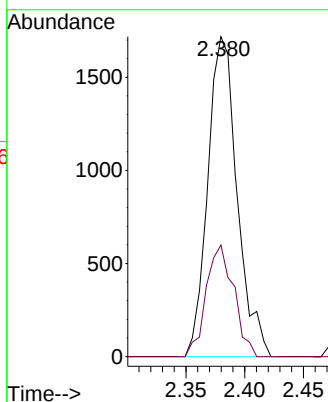
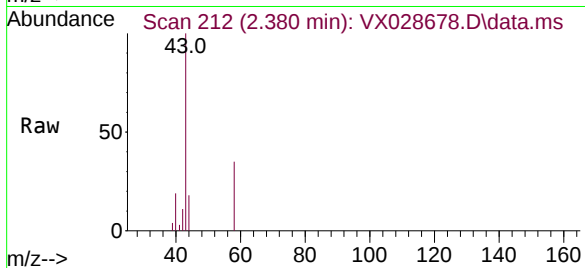
RW9-MW01S-20220510

Tgt Ion: 43 Resp: 2995

Ion Ratio Lower Upper

43 100

58 34.9 28.8 43.2



#29

Tetrahydrofuran

Concen: 30.532 ug/l

RT: 5.007 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX028678.D

Acq: 13 May 2022 15:20

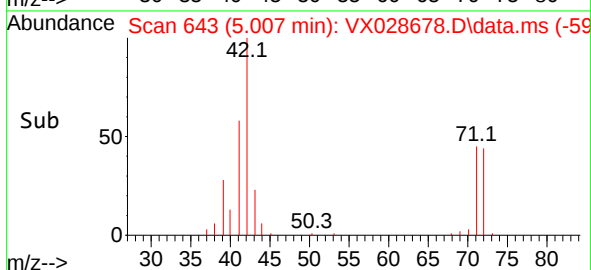
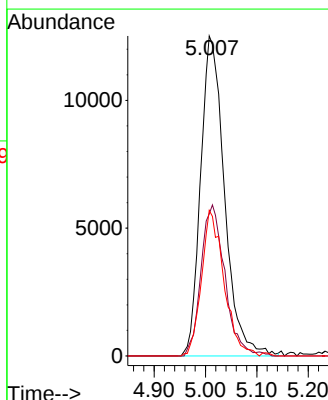
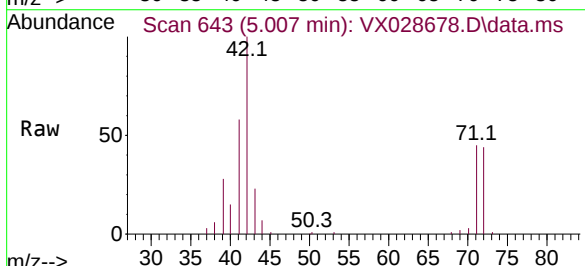
Tgt Ion: 42 Resp: 40475

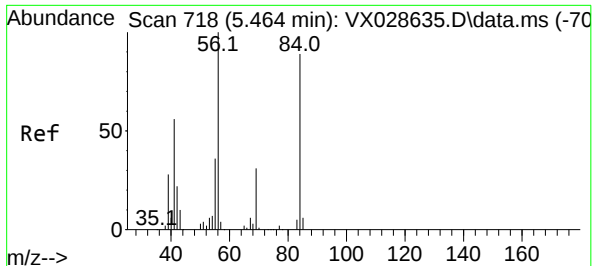
Ion Ratio Lower Upper

42 100

72 47.1 44.1 66.1

71 42.8 40.5 60.7

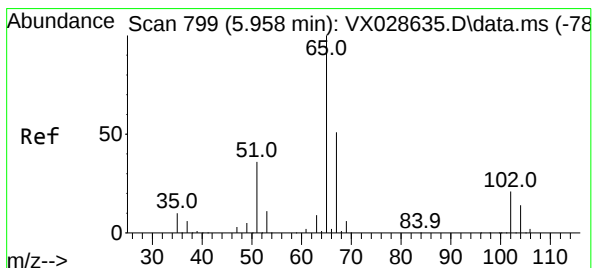
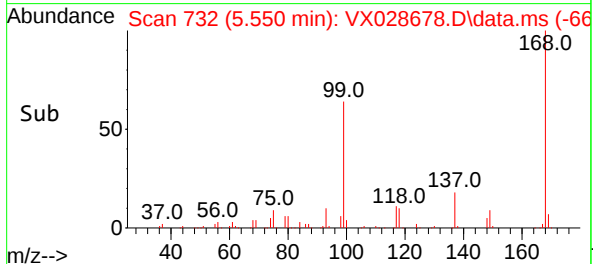
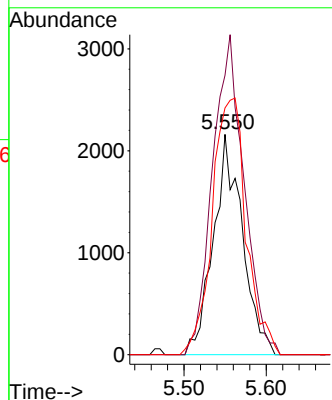
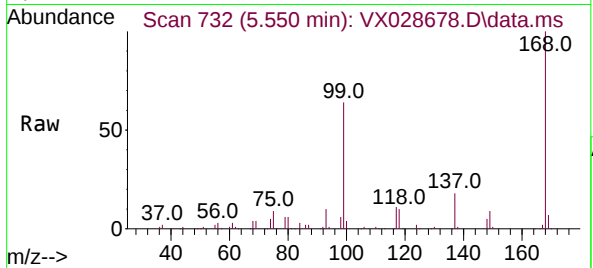




#31
Cyclohexane
Concen: 1.261 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

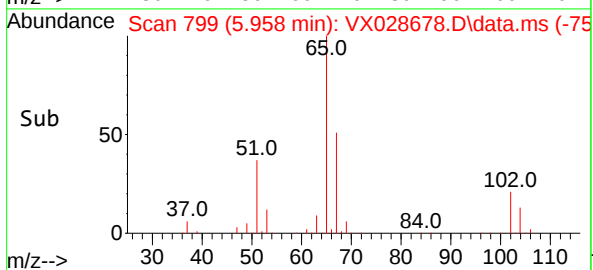
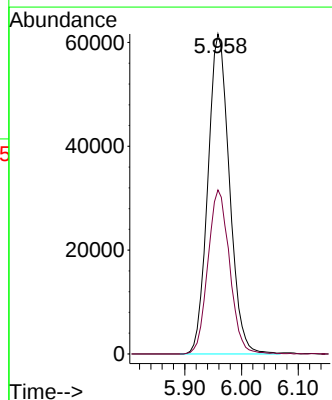
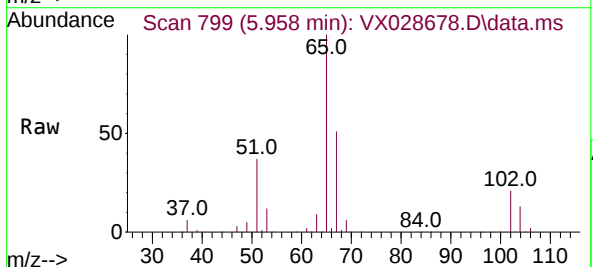
Instrument :
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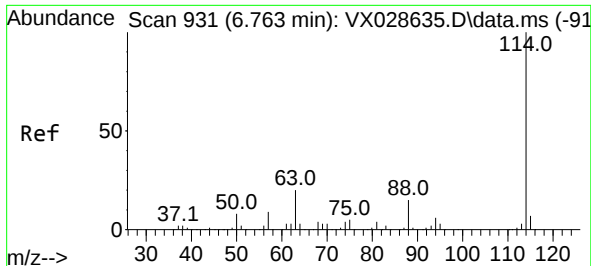
Tgt Ion: 56 Resp: 5297
Ion Ratio Lower Upper
56 100
69 126.8 26.7 40.1#
84 111.9 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 53.808 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

Tgt Ion: 65 Resp: 162894
Ion Ratio Lower Upper
65 100
67 51.5 0.0 107.4

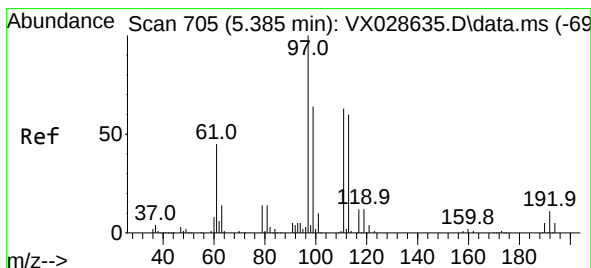
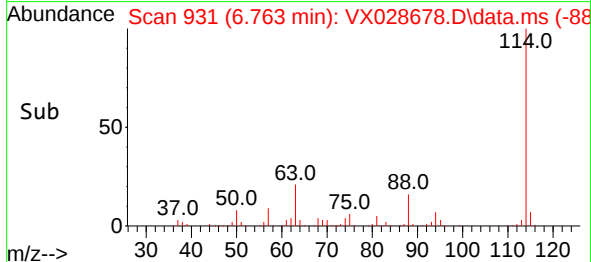
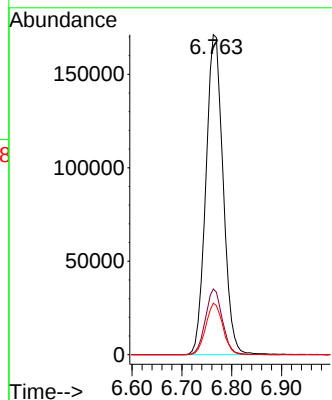
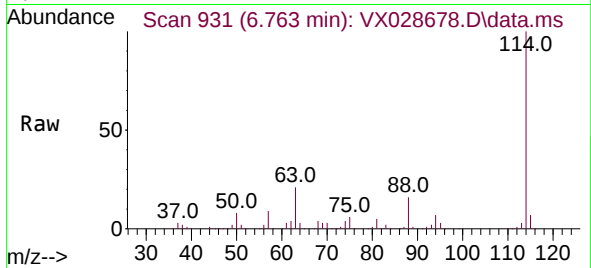




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

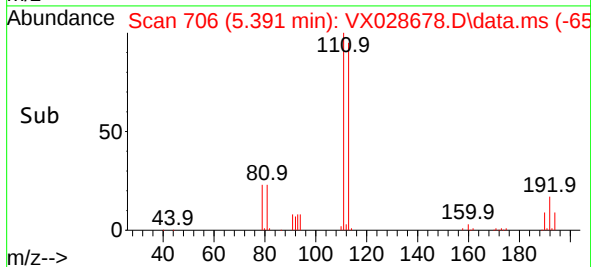
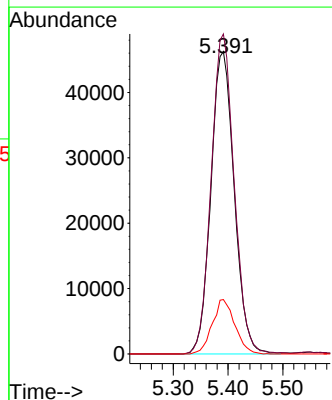
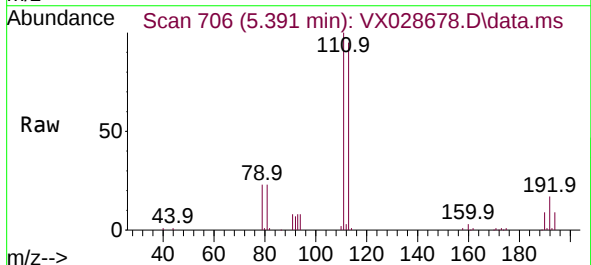
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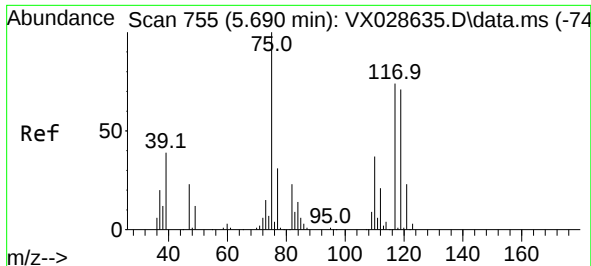
Tgt Ion:114 Resp: 410938
Ion Ratio Lower Upper
114 100
63 20.5 0.0 36.8
88 16.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.706 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

Tgt Ion:113 Resp: 136520
Ion Ratio Lower Upper
113 100
111 104.5 82.8 124.2
192 17.4 16.9 25.3

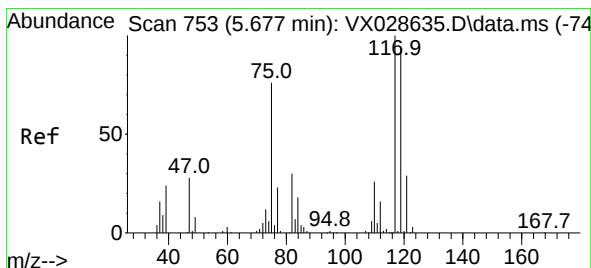
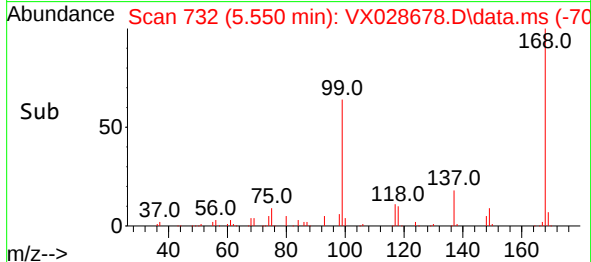
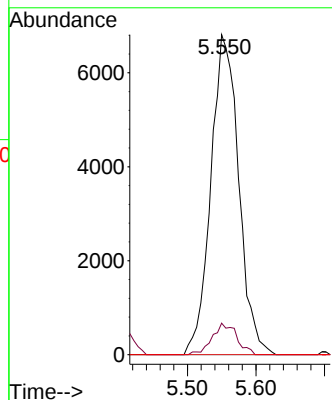
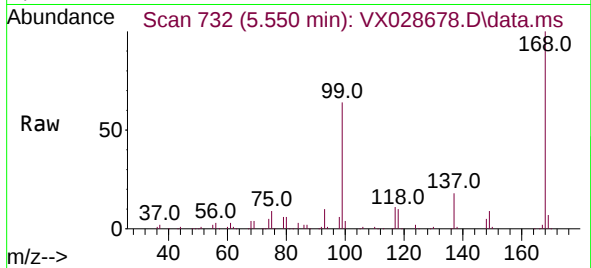




#36
1,1-Dichloropropene
Concen: 4.747 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

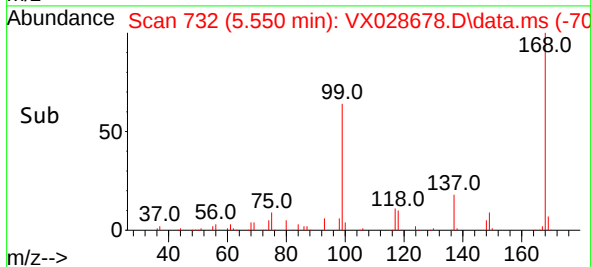
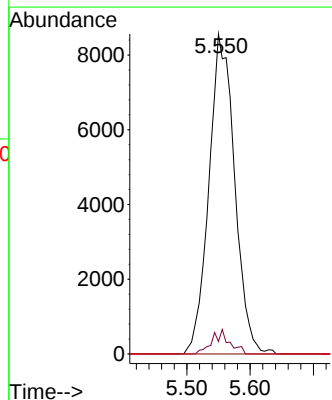
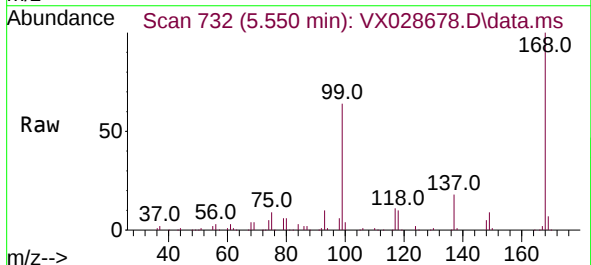
Instrument :
MSVOA_X
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RW9-MW01S-20220510

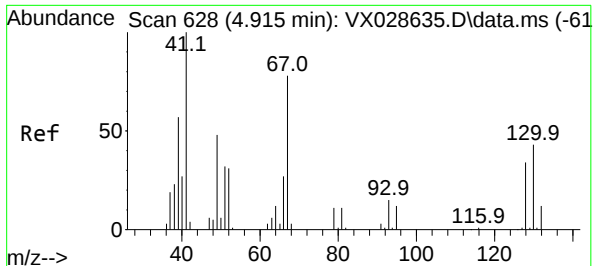
Tgt Ion: 75 Resp: 19198
Ion Ratio Lower Upper
75 100
110 8.7 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.939 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

Tgt Ion: 117 Resp: 24170
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.2 36.2#

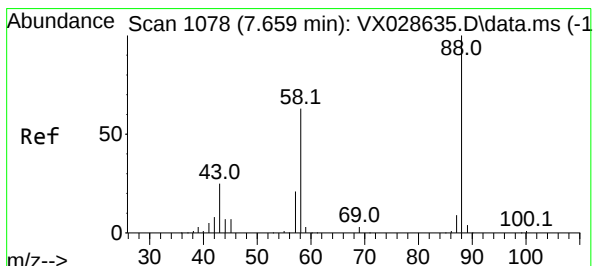
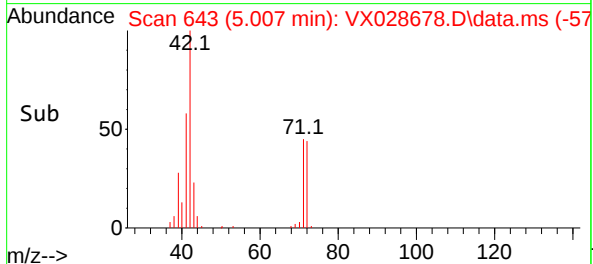
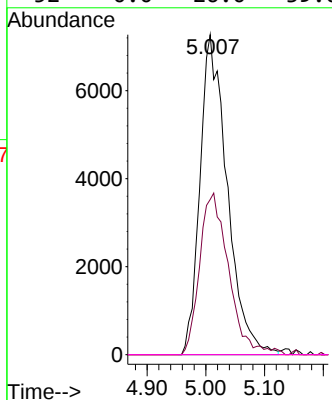
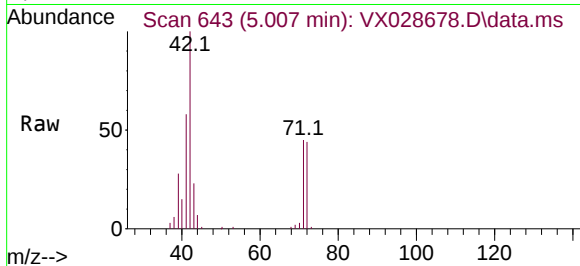




#41
Methacrylonitrile
Concen: 10.314 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.092 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

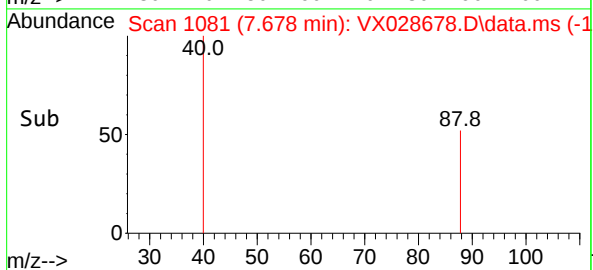
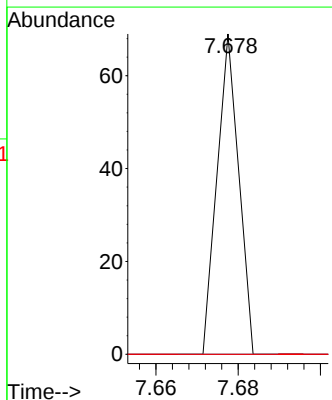
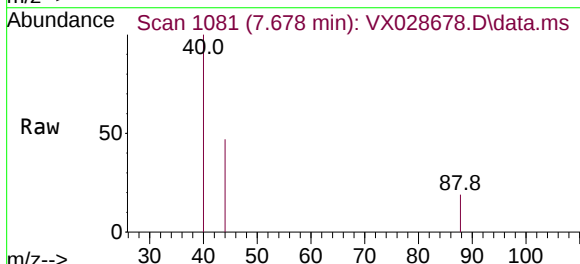
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01S-20220510

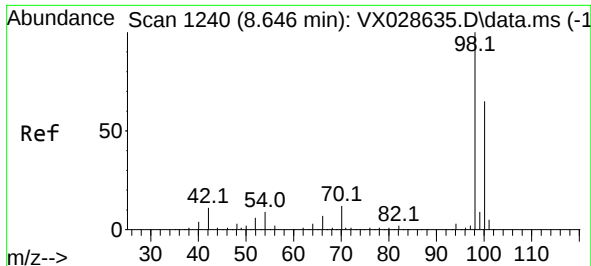
Tgt Ion:	41	Resp:	23358
Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.0	64.4
67	0.0	70.2	105.4#
52	0.0	26.0	39.0#



#49
1,4-Dioxane
Concen: 0.313 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.019 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

Tgt Ion:	88	Resp:	25
Ion	Ratio	Lower	Upper
88	100		
43	0.0	21.9	32.9#
58	0.0	53.7	80.5#

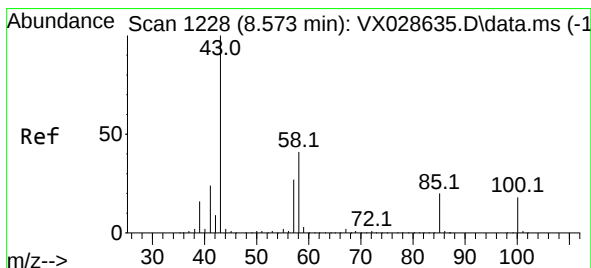
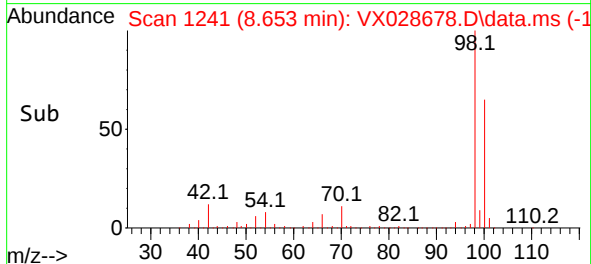
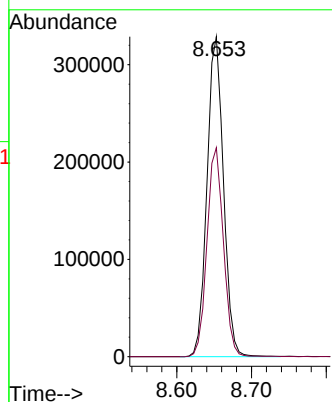
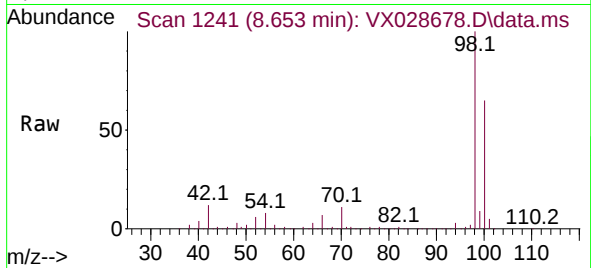




#50
Toluene-d8
Concen: 49.491 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

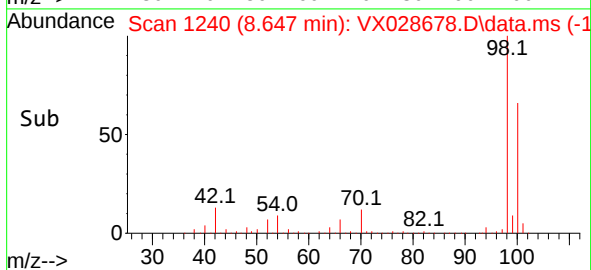
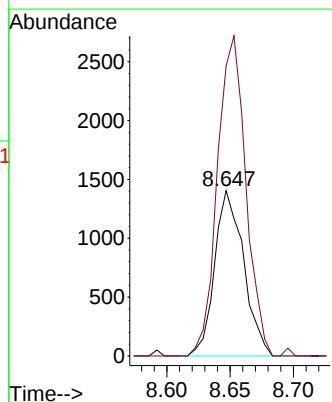
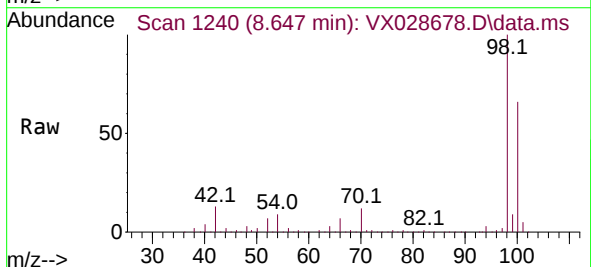
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01S-20220510

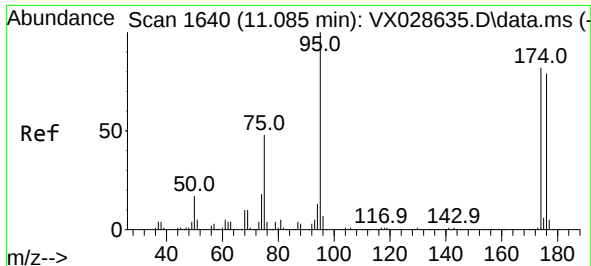
Tgt Ion: 98 Resp: 502381
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.514 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.074 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

Tgt Ion: 43 Resp: 2237
Ion Ratio Lower Upper
43 100
58 190.3 36.1 54.1#





#62

4-Bromofluorobenzene

Concen: 48.095 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX028678.D

Acq: 13 May 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

RW9-MW01S-20220510

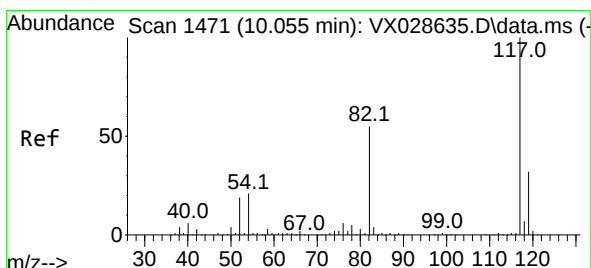
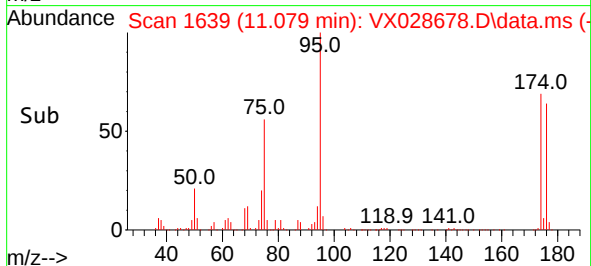
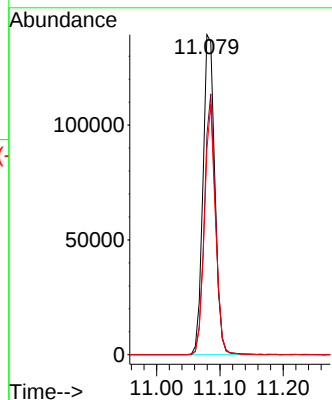
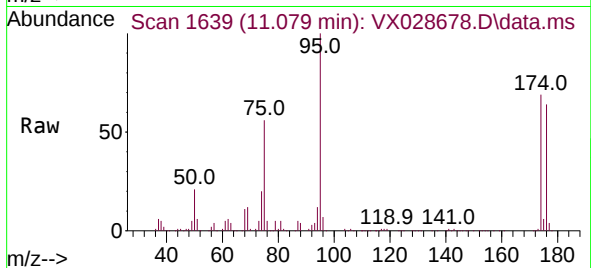
Tgt Ion: 95 Resp: 182348

Ion Ratio Lower Upper

95 100

174 76.4 0.0 163.0

176 72.9 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: VX028678.D

Acq: 13 May 2022 15:20

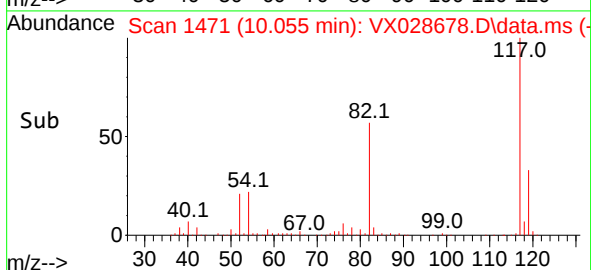
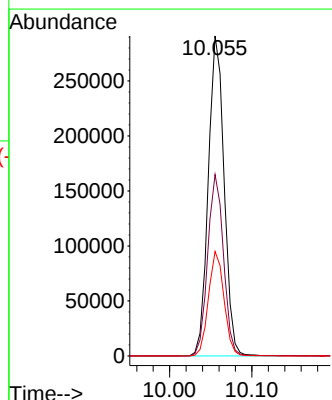
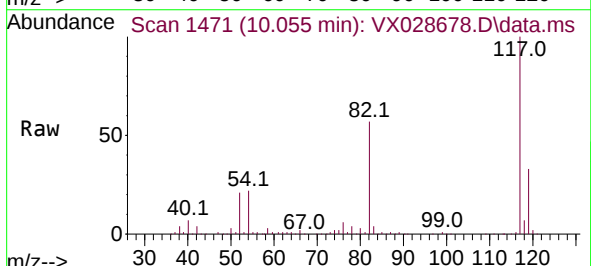
Tgt Ion: 117 Resp: 389355

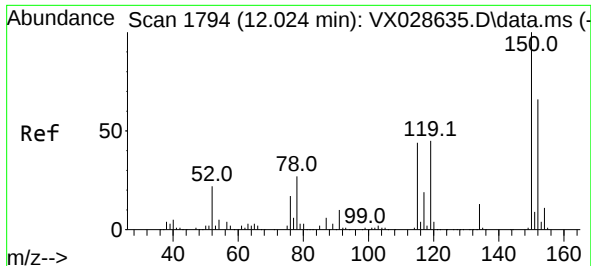
Ion Ratio Lower Upper

117 100

82 56.7 41.8 62.8

119 32.6 24.8 37.2

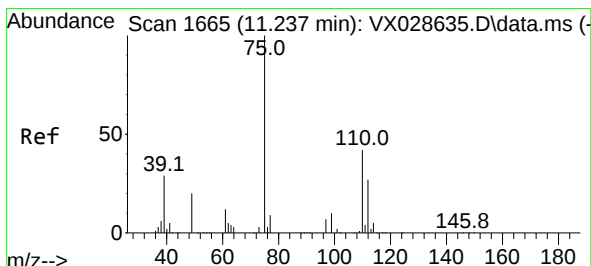
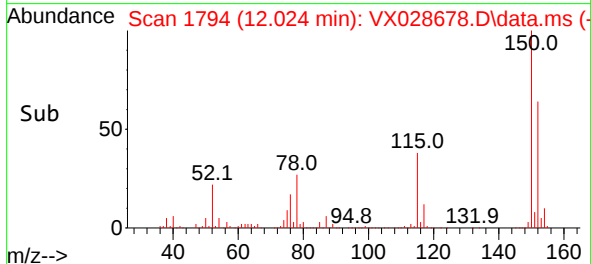
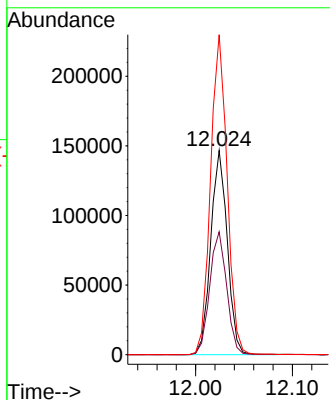
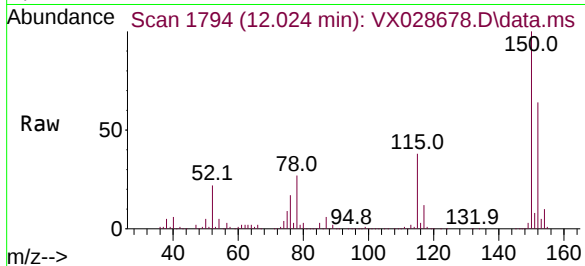




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

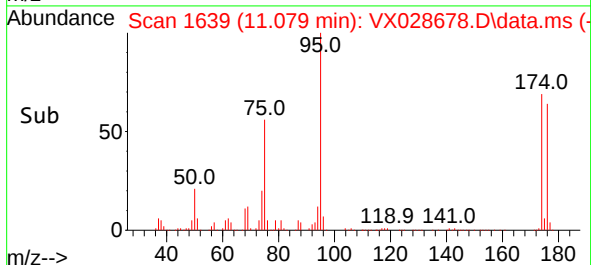
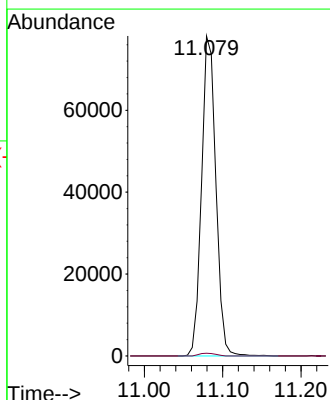
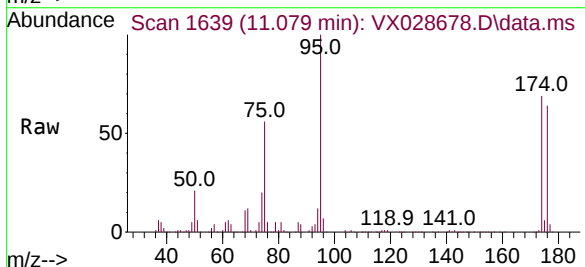
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01S-20220510

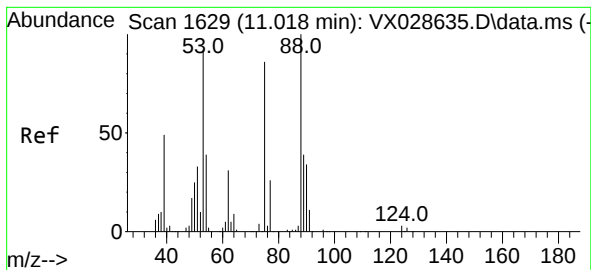
Tgt Ion:152 Resp: 174753
Ion Ratio Lower Upper
152 100
115 61.6 37.5 112.7
150 157.0 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 24.224 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028678.D
Acq: 13 May 2022 15:20

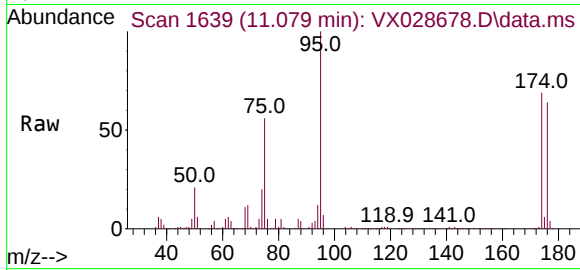
Tgt Ion: 75 Resp: 99139
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.543 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX028678.D
 Acq: 13 May 2022 15:20

Instrument :
 MSVOA_X
 ClientSampleId :
 RW9-MW01S-20220510



Tgt Ion: 75 Resp: 99139
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

