

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090722\
 Data File : VX031171.D
 Acq On : 07 Sep 2022 19:59
 Operator : JC/MD
 Sample : N4357-11DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220823DL

Quant Time: Sep 07 23:26:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 23:22:41 2022
 Response via : Initial Calibration

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

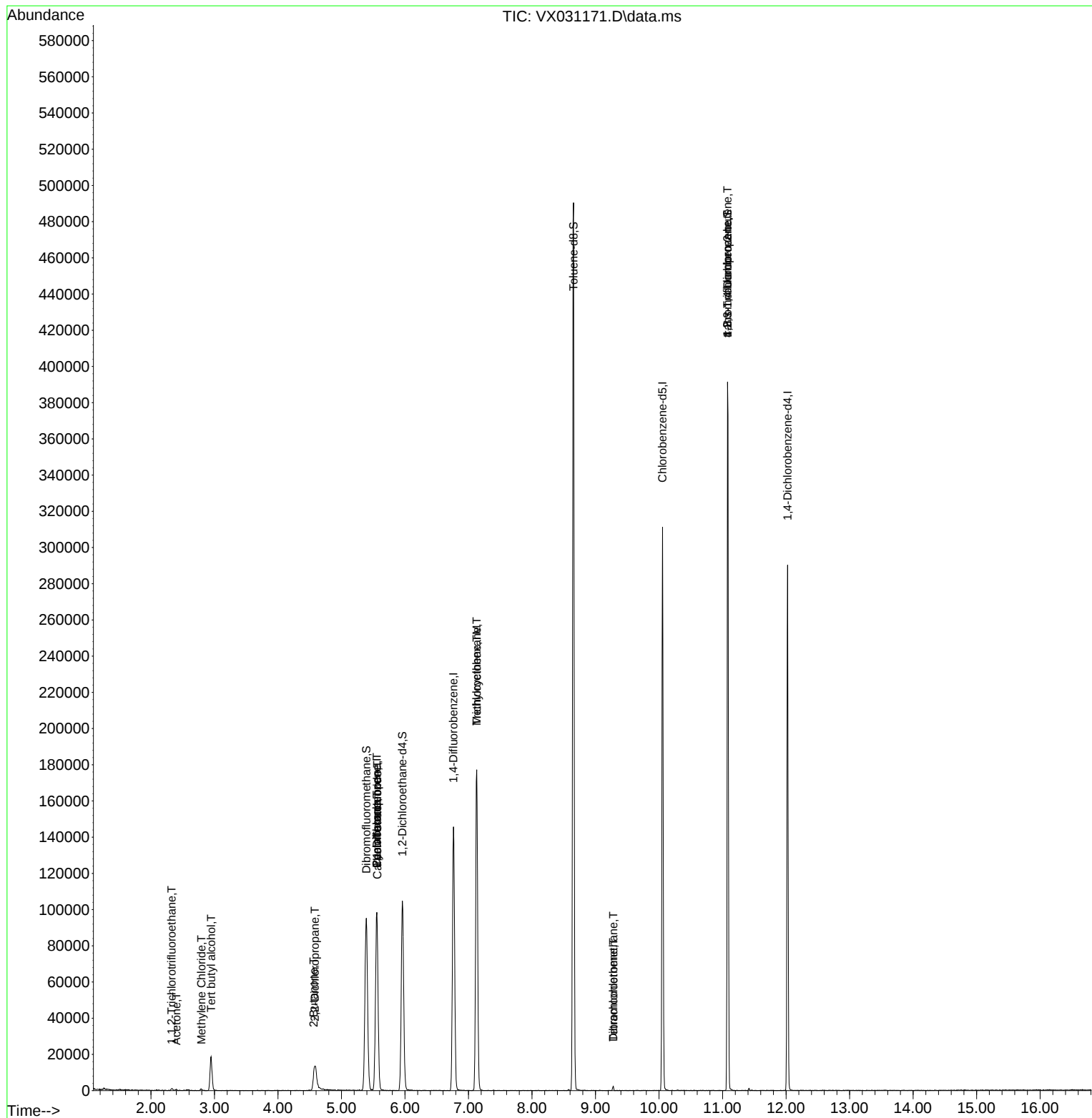
Internal Standards						
1) Pentafluorobenzene	5.556	168	85688	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	149449	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	135746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	110492	54.464	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.920%	
35) Dibromofluoromethane	5.391	113	84196	51.699	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.400%	
50) Toluene-d8	8.653	98	297912	50.348	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.700%	
62) 4-Bromofluorobenzene	11.079	95	111406	51.377	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.760%	
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	531	0.345	ug/l	# 86
11) Tert butyl alcohol	2.947	59	10832	3.581	ug/l	# 76
16) Acetone	2.398	43	712	1.014	ug/l	96
20) Methylene Chloride	2.794	84	473	0.287	ug/l	# 47
25) 2-Butanone	4.562	43	343	0.330	ug/l	# 48
26) 2,2-Dichloropropane	4.580	77	1454	0.600	ug/l	# 49
31) Cyclohexane	5.556	56	1851	0.816	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	8285	3.397	ug/l	# 43
38) Carbon Tetrachloride	5.562	117	10232	3.987	ug/l	# 20
39) Methylcyclohexane	7.129	83	806	0.289	ug/l	# 1
44) Trichloroethene	7.129	130	69424	37.277	ug/l	95
60) Dibromochloromethane	9.281	129	401	0.216	ug/l	# 11
64) Tetrachloroethene	9.281	164	467	0.330	ug/l	# 82
76) 1,2,3-Trichloropropane	11.079	75	59010	38.092	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	59010	122.842	ug/l	# 12

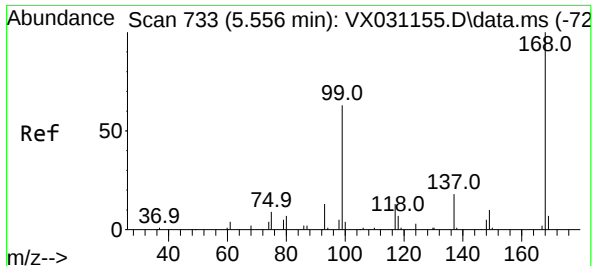
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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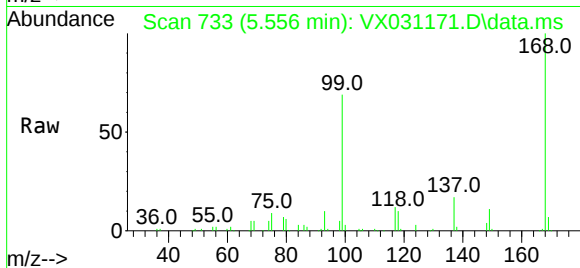
Quant Time: Sep 07 23:26:57 2022
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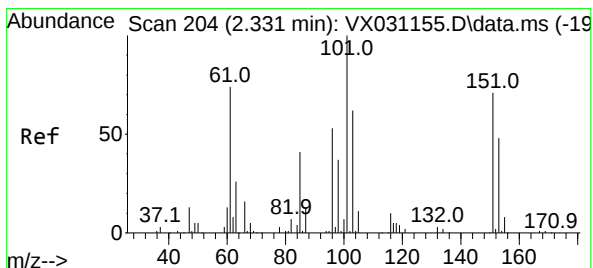
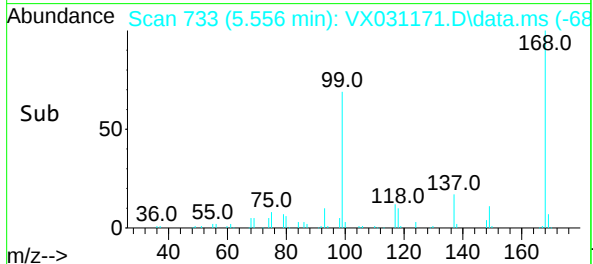
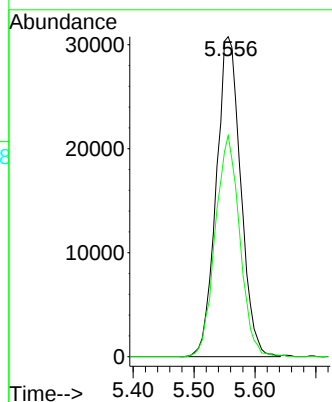


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031171.D
Acq: 07 Sep 2022 19:59

Instrument :
MSVOA_X
ClientSampleId :
RW4-20220823DL

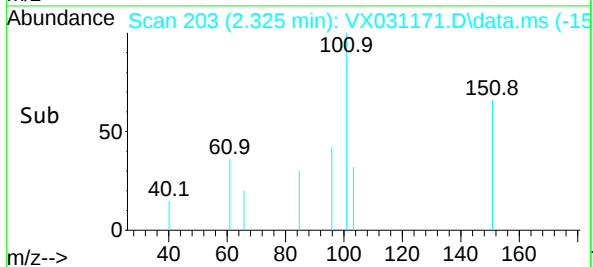
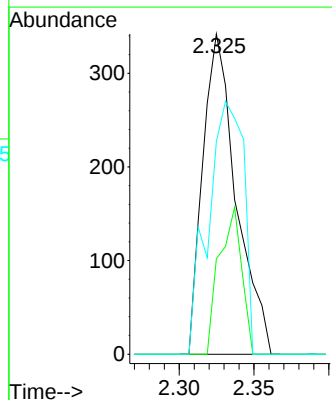
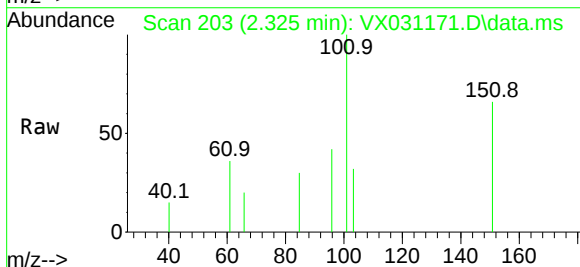


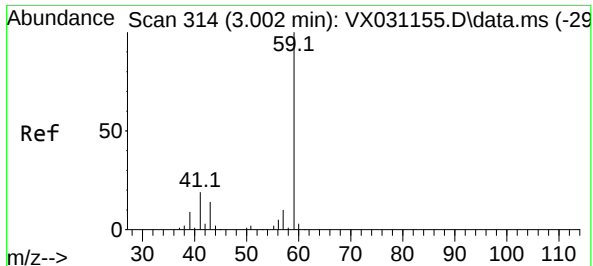
Tgt Ion:168 Resp: 85688
Ion Ratio Lower Upper
168 100
99 69.1 44.0 66.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.345 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX031171.D
Acq: 07 Sep 2022 19:59

Tgt Ion:101 Resp: 531
Ion Ratio Lower Upper
101 100
85 30.9 34.0 51.0#
151 83.8 59.4 89.0





#11

Tert butyl alcohol

Concen: 3.581 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.055 min

Lab File: VX031171.D

Acq: 07 Sep 2022 19:59

Instrument :

MSVOA_X

ClientSampleId :

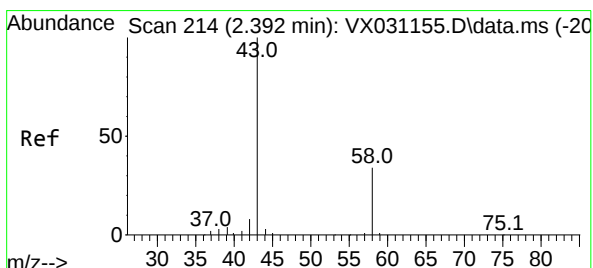
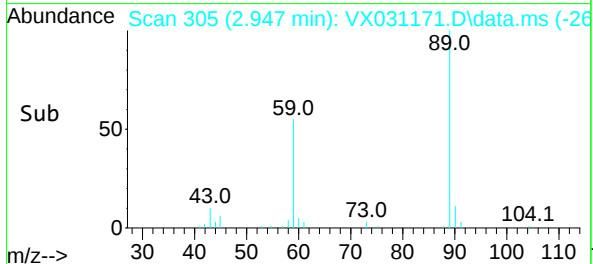
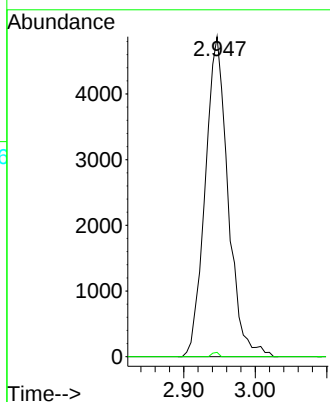
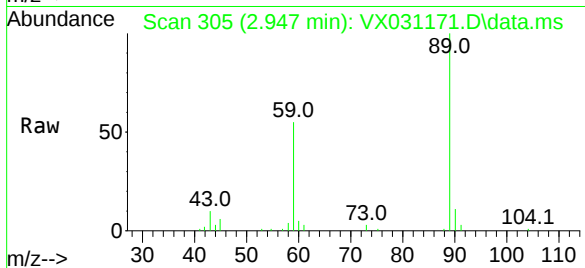
RW4-20220823DL

Tgt Ion: 59 Resp: 10832

Ion Ratio Lower Upper

59 100

57 0.4 7.4 11.2#



#16

Acetone

Concen: 1.014 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX031171.D

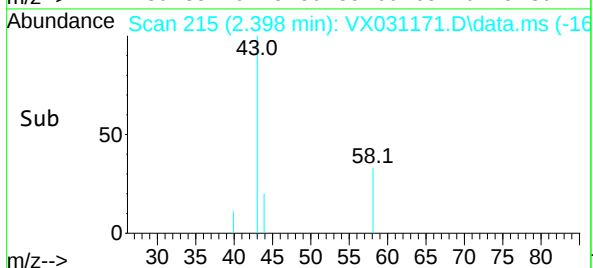
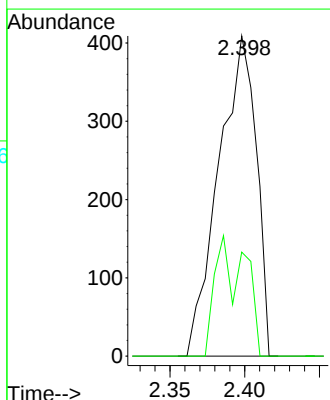
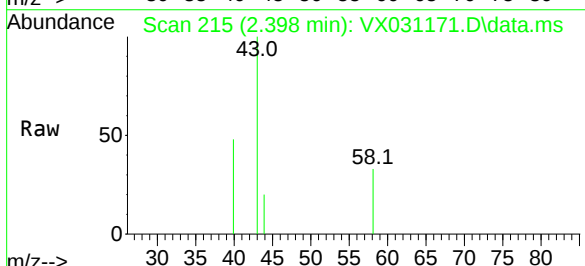
Acq: 07 Sep 2022 19:59

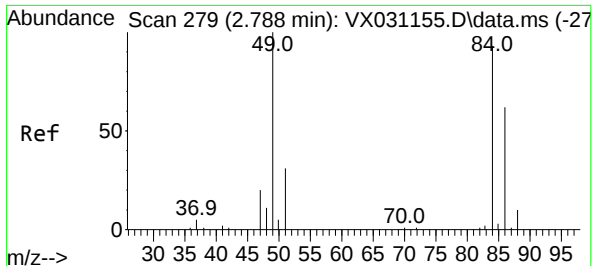
Tgt Ion: 43 Resp: 712

Ion Ratio Lower Upper

43 100

58 32.5 27.7 41.5





#20

Methylene Chloride

Concen: 0.287 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031171.D

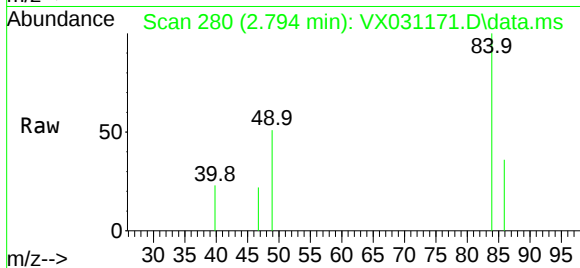
Acq: 07 Sep 2022 19:59

Instrument :

MSVOA_X

ClientSampleId :

RW4-20220823DL



Tgt Ion: 84 Resp: 473

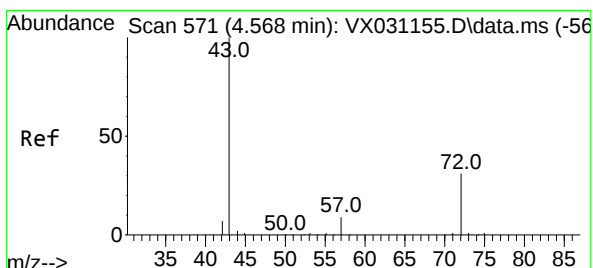
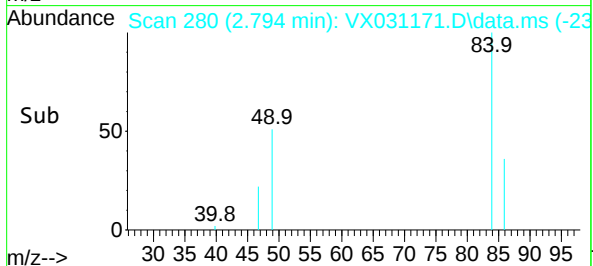
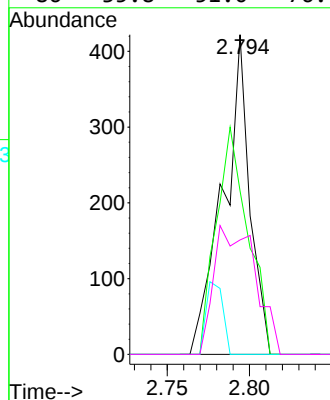
Ion Ratio Lower Upper

84 100

49 51.2 93.8 140.6#

51 0.0 29.4 44.0#

86 35.8 51.0 76.4#



#25

2-Butanone

Concen: 0.330 ug/l

RT: 4.562 min Scan# 570

Delta R.T. -0.006 min

Lab File: VX031171.D

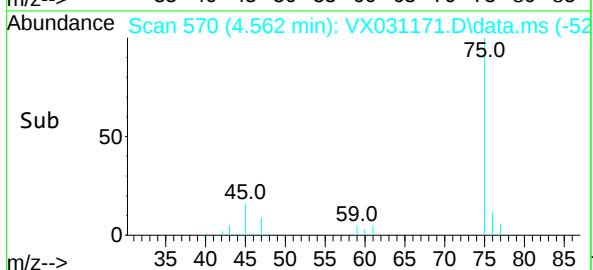
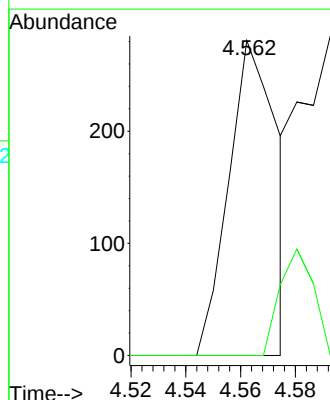
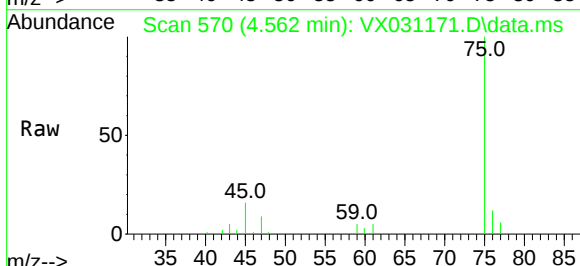
Acq: 07 Sep 2022 19:59

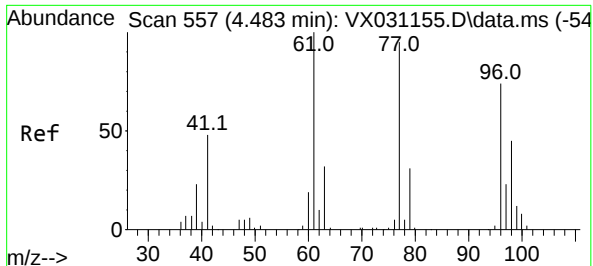
Tgt Ion: 43 Resp: 343

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#





#26

2,2-Dichloropropane

Concen: 0.600 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.098 min

Lab File: VX031171.D

Acq: 07 Sep 2022 19:59

Instrument :

MSVOA_X

ClientSampleId :

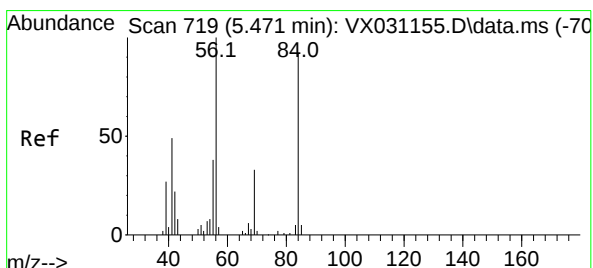
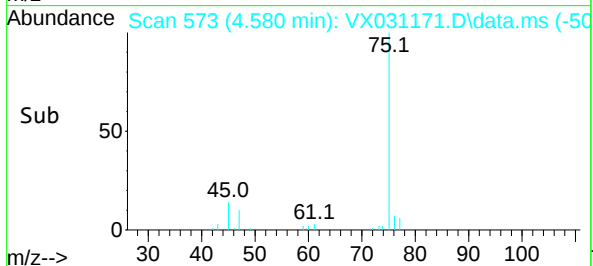
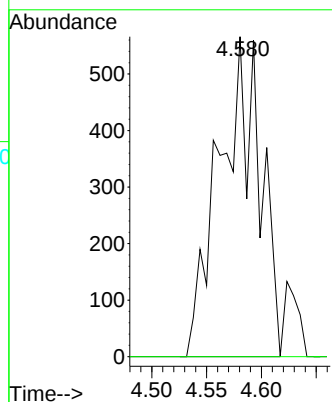
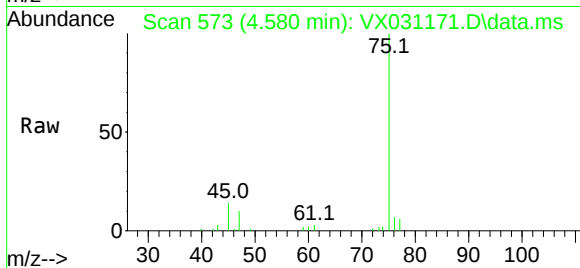
RW4-20220823DL

Tgt Ion: 77 Resp: 1454

Ion Ratio Lower Upper

77 100

97 0.0 13.0 39.0#



#31

Cyclohexane

Concen: 0.816 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX031171.D

Acq: 07 Sep 2022 19:59

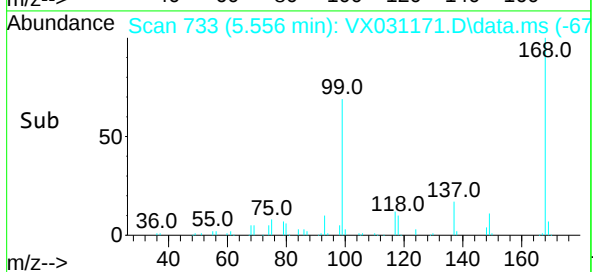
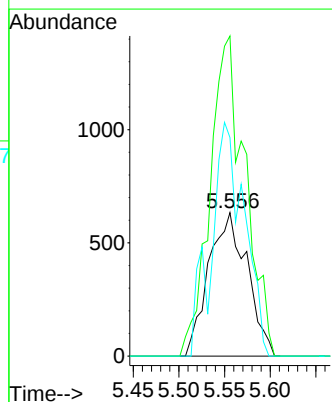
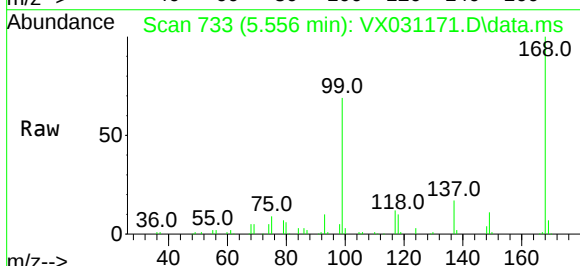
Tgt Ion: 56 Resp: 1851

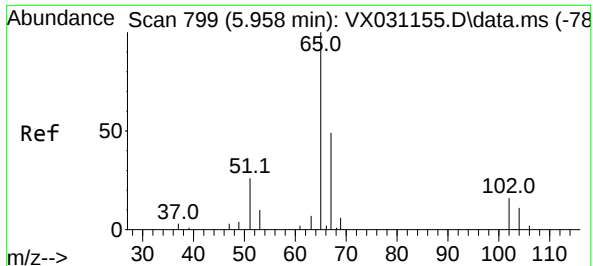
Ion Ratio Lower Upper

56 100

69 223.0 25.4 38.0#

84 152.2 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 54.464 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX031171.D

Acq: 07 Sep 2022 19:59

Instrument :

MSVOA_X

ClientSampleId :

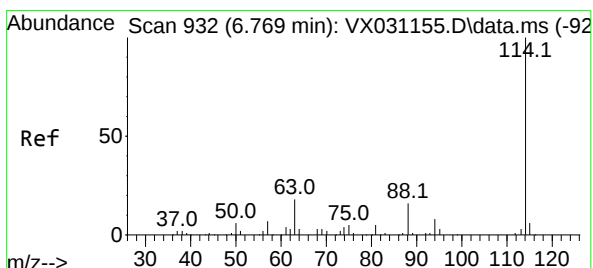
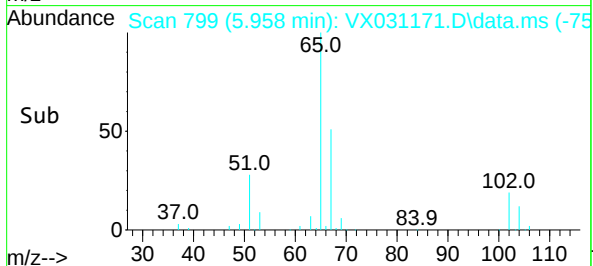
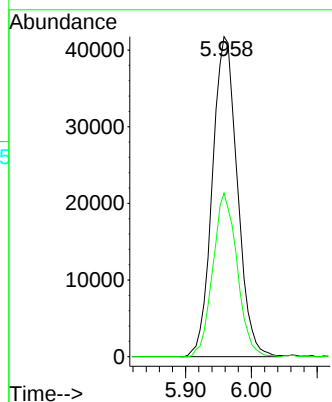
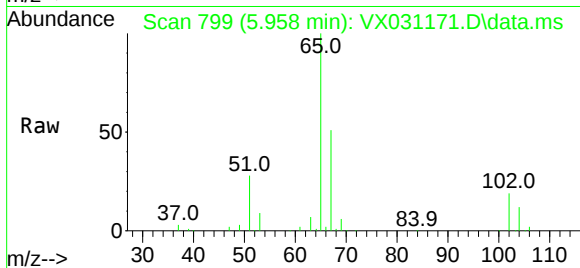
RW4-20220823DL

Tgt Ion: 65 Resp: 110492

Ion Ratio Lower Upper

65 100

67 49.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX031171.D

Acq: 07 Sep 2022 19:59

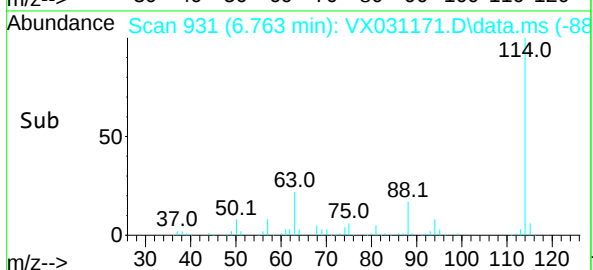
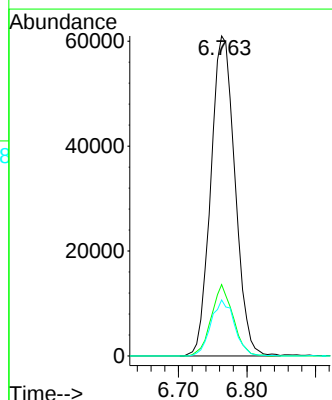
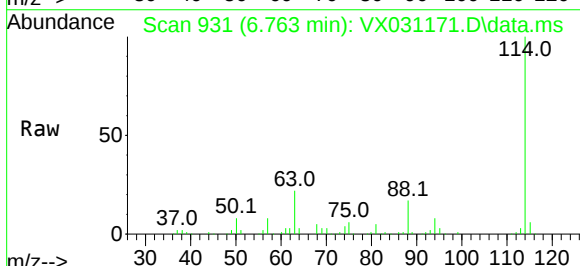
Tgt Ion: 114 Resp: 149449

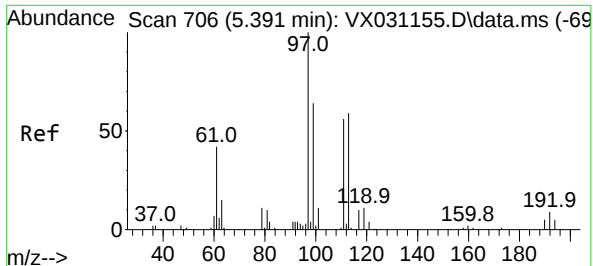
Ion Ratio Lower Upper

114 100

63 22.3 0.0 38.4

88 17.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.699 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX031171.D

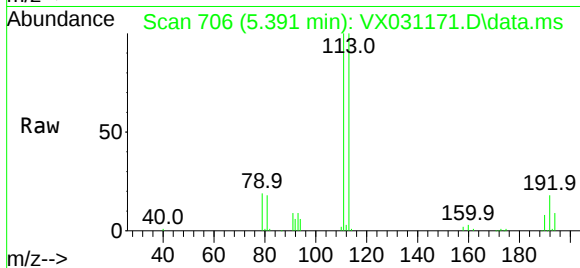
Acq: 07 Sep 2022 19:59

Instrument :

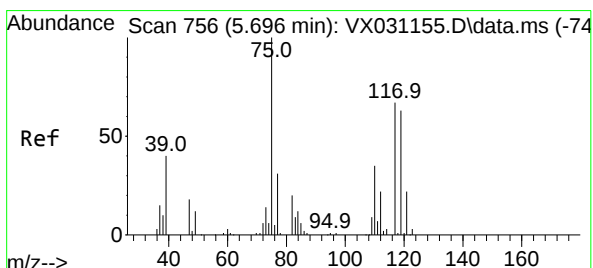
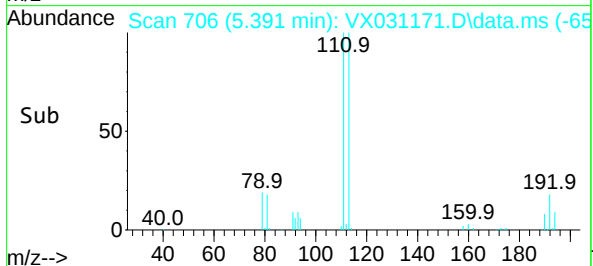
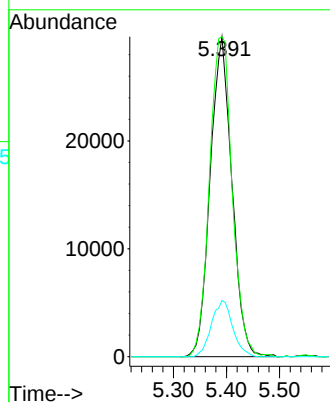
MSVOA_X

ClientSampleId :

RW4-20220823DL



Tgt Ion:	113	Resp:	84196
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.2	124.8
192	17.2	14.8	22.2



#36

1,1-Dichloropropene

Concen: 3.397 ug/l

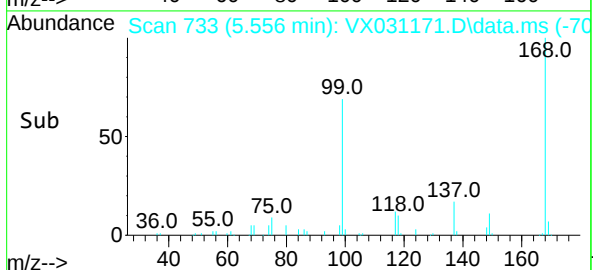
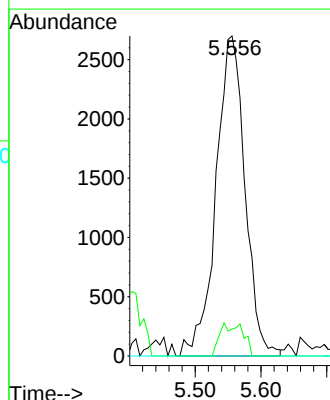
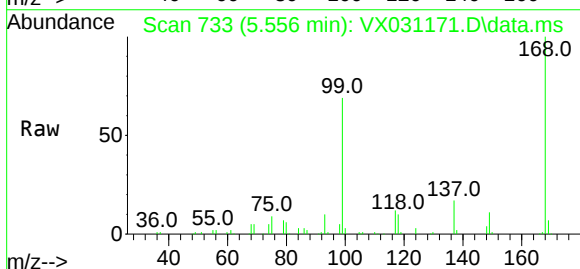
RT: 5.556 min Scan# 733

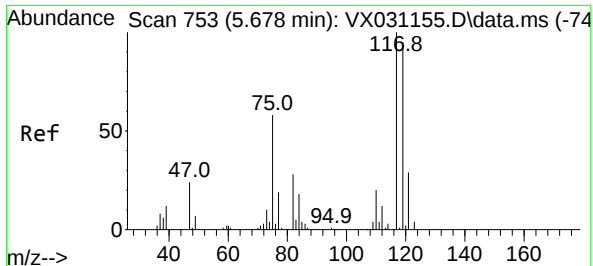
Delta R.T. -0.140 min

Lab File: VX031171.D

Acq: 07 Sep 2022 19:59

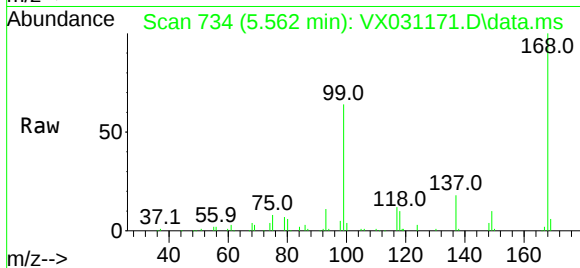
Tgt Ion:	75	Resp:	8285
Ion	Ratio	Lower	Upper
75	100		
110	3.5	19.3	57.9#
77	0.0	24.4	36.6#



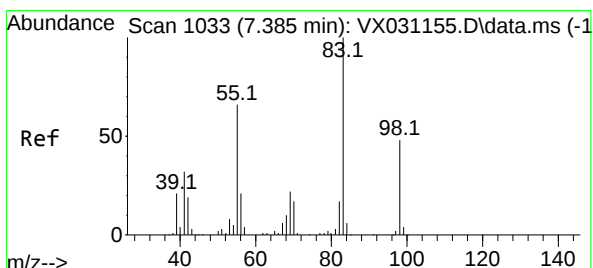
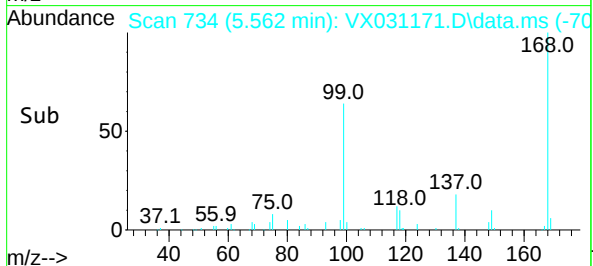
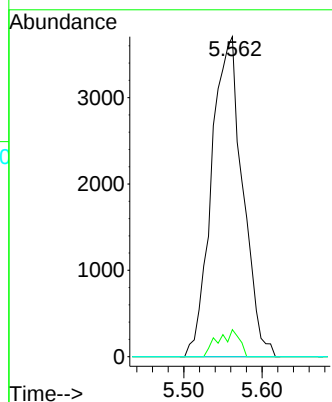


#38
Carbon Tetrachloride
Concen: 3.987 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX031171.D
Acq: 07 Sep 2022 19:59

Instrument :
MSVOA_X
ClientSampleId :
RW4-20220823DL

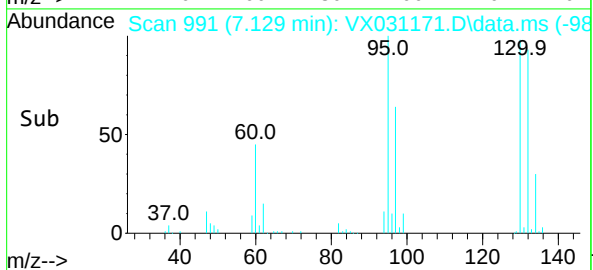
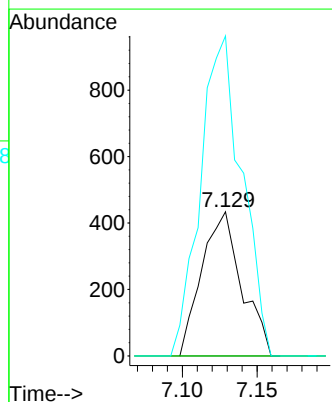
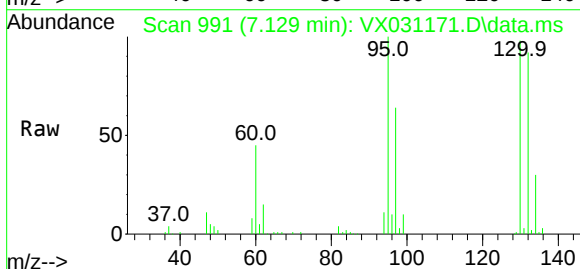


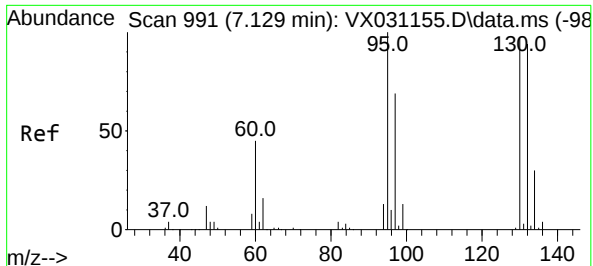
Tgt Ion:117 Resp: 10232
Ion Ratio Lower Upper
117 100
119 8.5 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.289 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX031171.D
Acq: 07 Sep 2022 19:59

Tgt Ion: 83 Resp: 806
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 221.9 36.5 54.7#

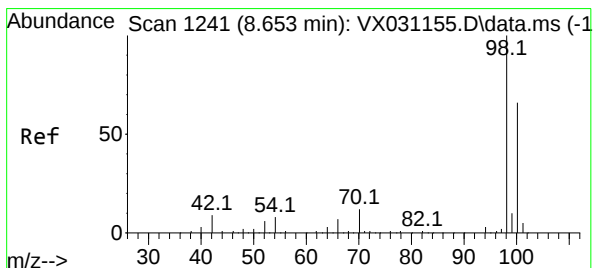
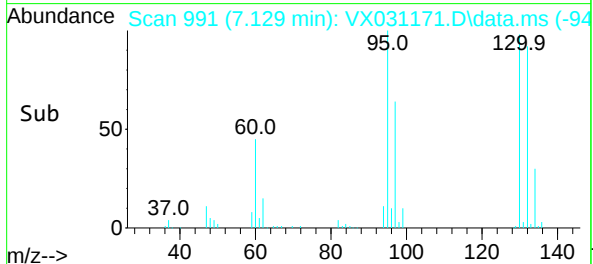
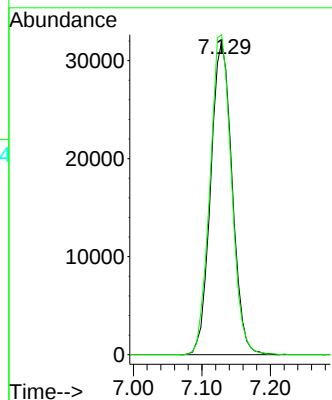
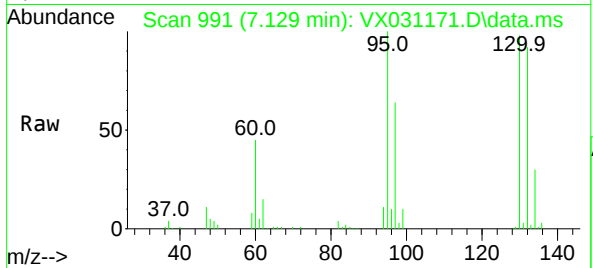




#44
Trichloroethene
Concen: 37.277 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031171.D
Acq: 07 Sep 2022 19:59

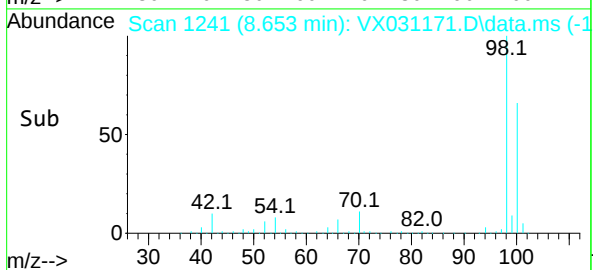
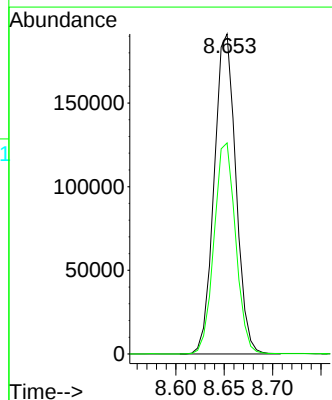
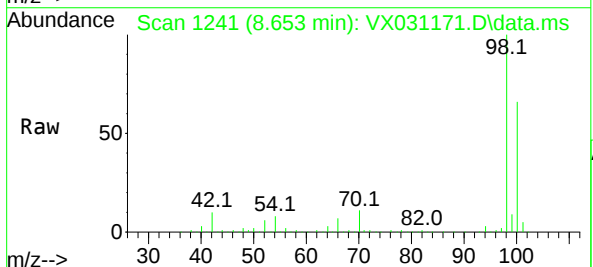
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220823DL

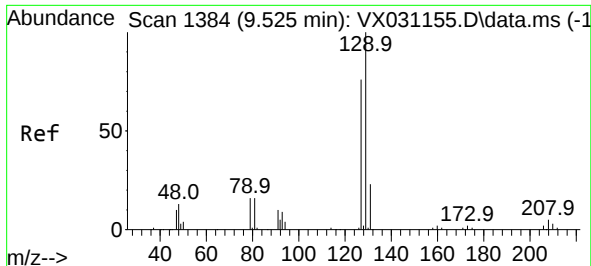
Tgt Ion:130 Resp: 69424
Ion Ratio Lower Upper
130 100
95 102.2 0.0 194.8



#50
Toluene-d8
Concen: 50.348 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031171.D
Acq: 07 Sep 2022 19:59

Tgt Ion: 98 Resp: 297912
Ion Ratio Lower Upper
98 100
100 65.9 52.3 78.5

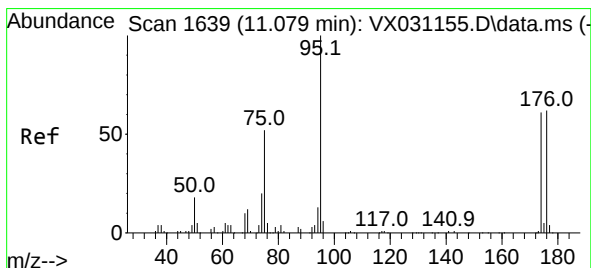
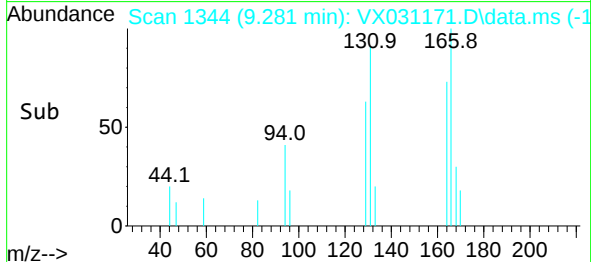
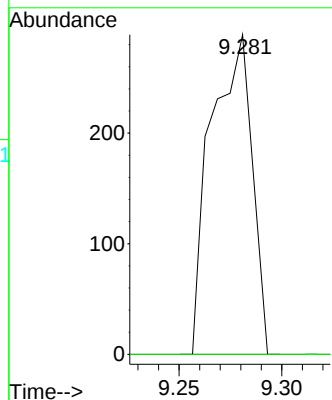
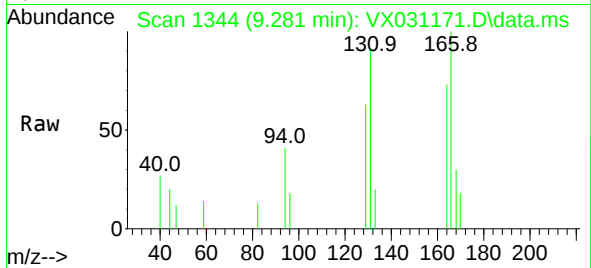




#60
Dibromochloromethane
Concen: 0.216 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX031171.D
Acq: 07 Sep 2022 19:59

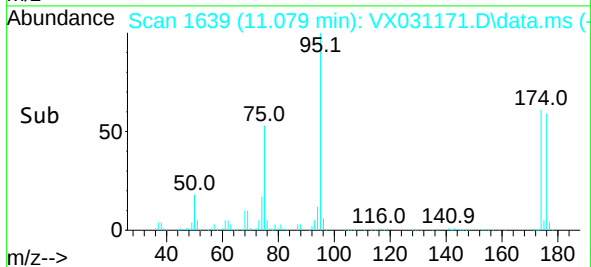
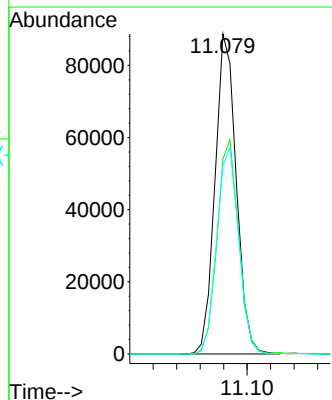
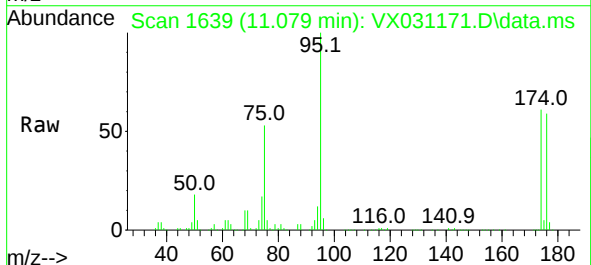
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220823DL

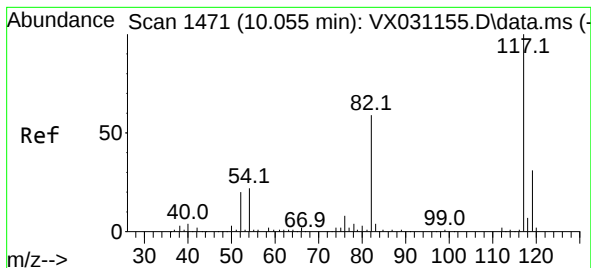
Tgt Ion:129 Resp: 401
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 51.377 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX031171.D
Acq: 07 Sep 2022 19:59

Tgt Ion: 95 Resp: 111406
Ion Ratio Lower Upper
95 100
174 68.1 0.0 149.0
176 66.7 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX031171.D

Acq: 07 Sep 2022 19:59

Instrument :

MSVOA_X

ClientSampleId :

RW4-20220823DL

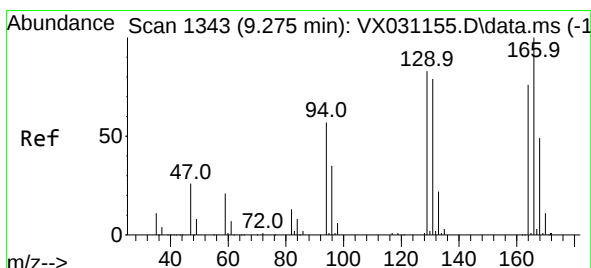
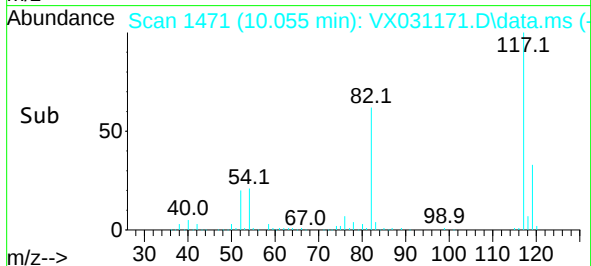
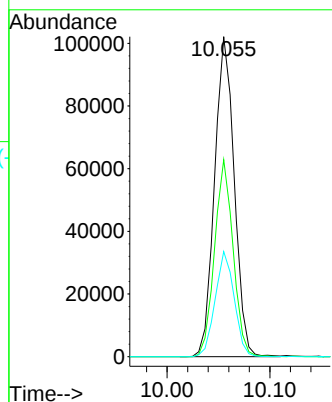
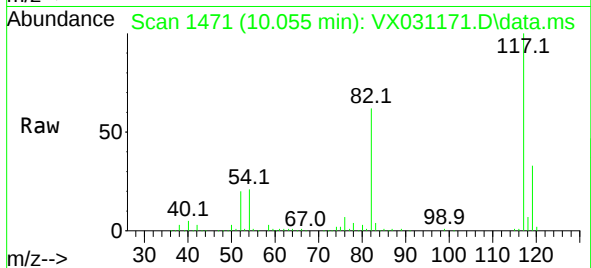
Tgt Ion:117 Resp: 135746

Ion Ratio Lower Upper

117 100

82 61.6 42.7 64.1

119 32.9 25.4 38.2



#64

Tetrachloroethene

Concen: 0.330 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX031171.D

Acq: 07 Sep 2022 19:59

Tgt Ion:164 Resp: 467

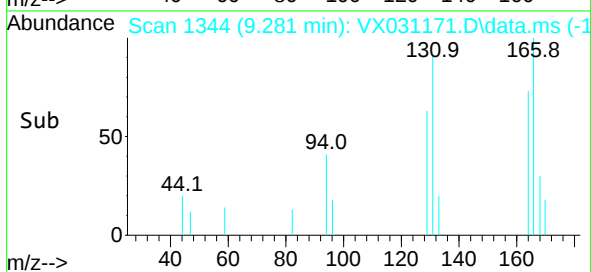
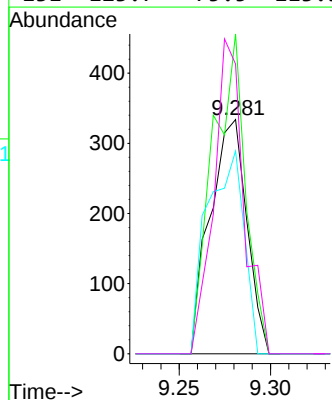
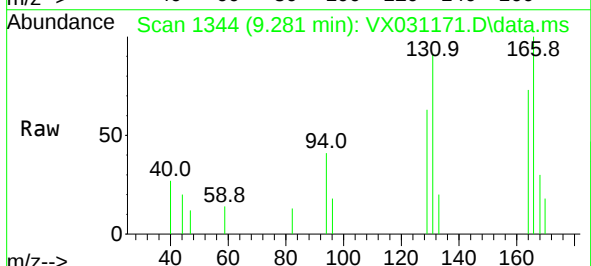
Ion Ratio Lower Upper

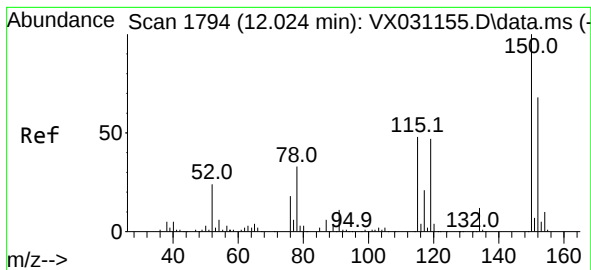
164 100

166 136.5 98.2 147.4

129 86.5 80.8 121.2

131 123.7 75.5 113.3#

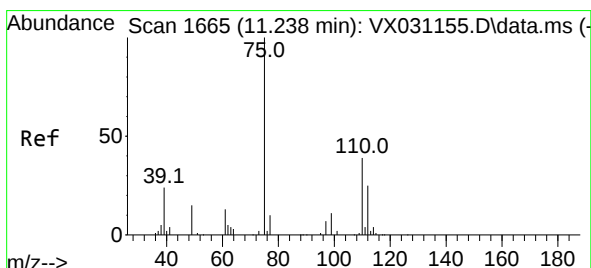
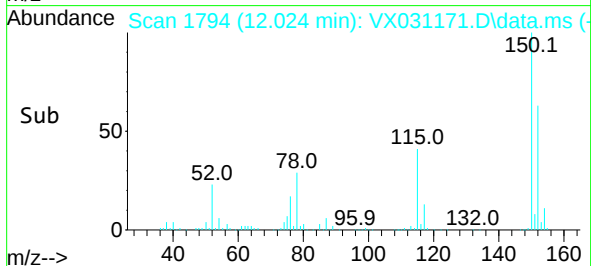
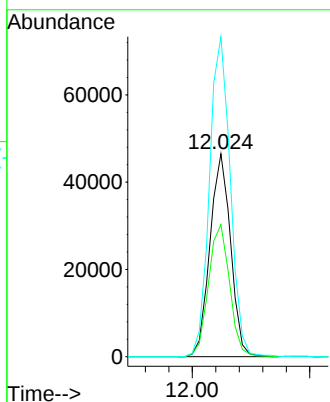
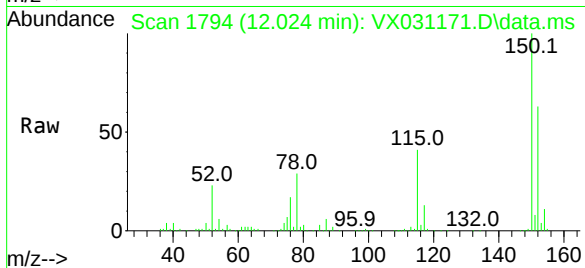




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX031171.D
 Acq: 07 Sep 2022 19:59

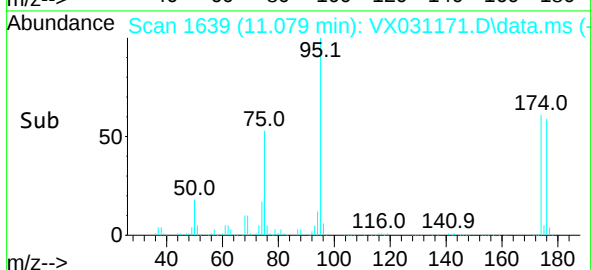
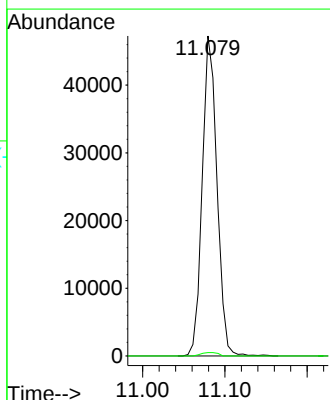
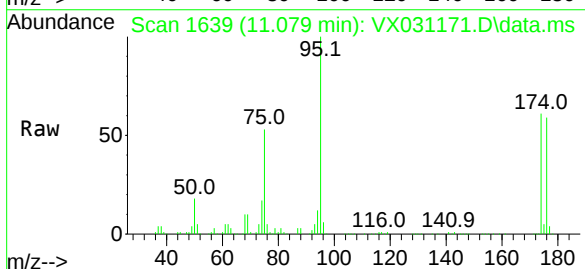
Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220823DL

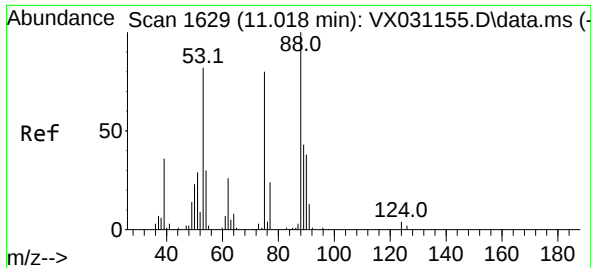
Tgt Ion:152 Resp: 56763
 Ion Ratio Lower Upper
 152 100
 115 66.6 40.5 121.5
 150 158.9 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 38.092 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX031171.D
 Acq: 07 Sep 2022 19:59

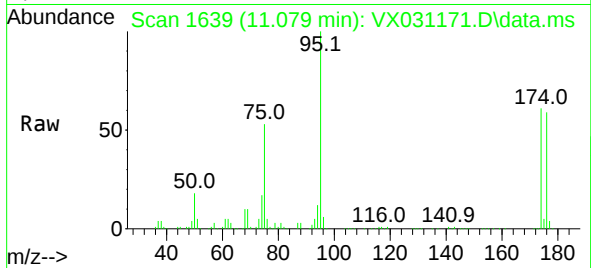
Tgt Ion: 75 Resp: 59010
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.842 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031171.D
 Acq: 07 Sep 2022 19:59

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220823DL



Tgt Ion: 75 Resp: 59010
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

