

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
 Data File : VX027817.D
 Acq On : 30 Mar 2022 17:48
 Operator : JC/MD
 Sample : N2041-11DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220317DL

Quant Time: Mar 31 05:51:09 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)

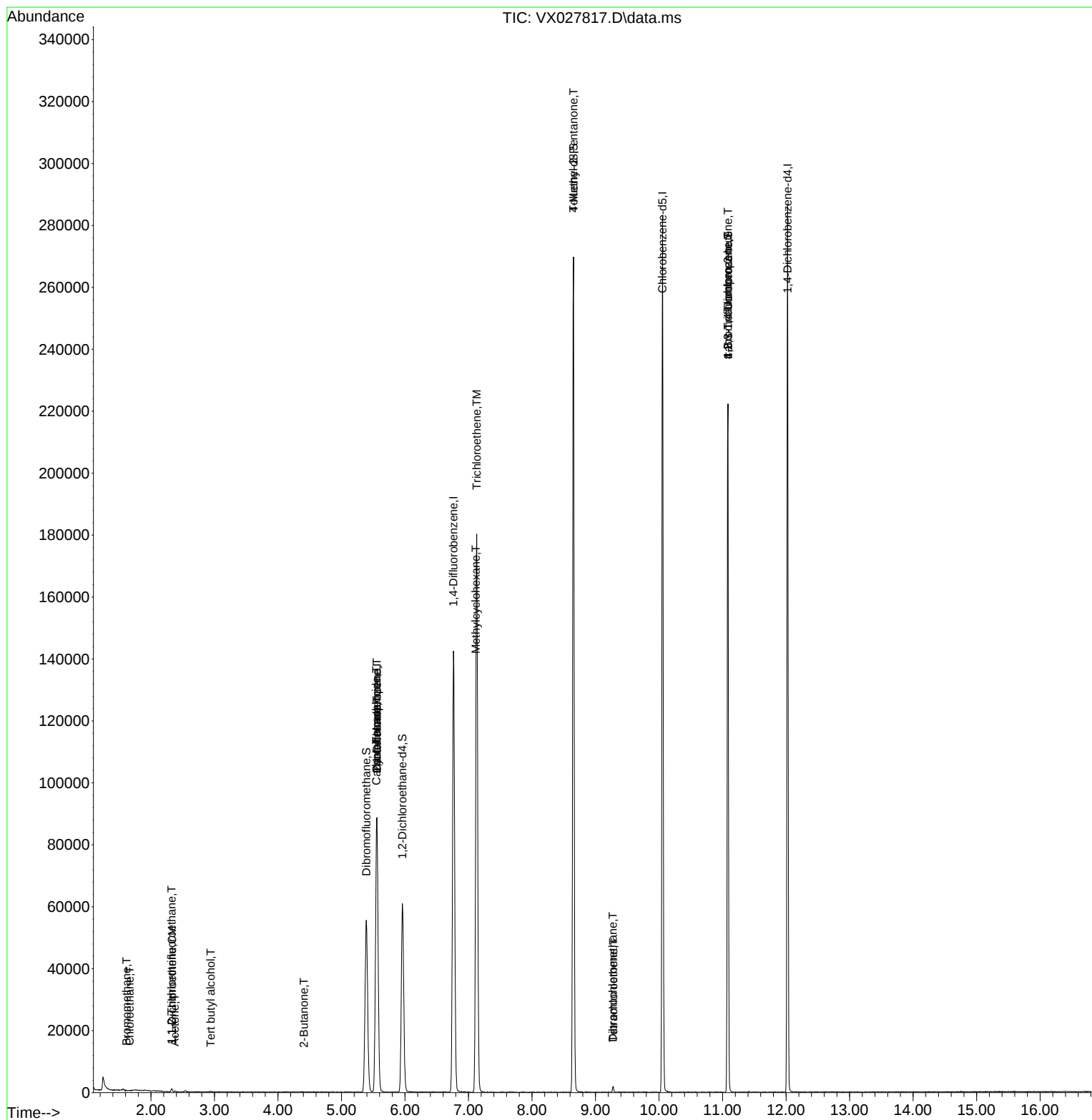
Internal Standards						
1) Pentafluorobenzene	5.556	168	82552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	135556	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62538	58.713	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	117.420%
35) Dibromofluoromethane	5.391	113	47453	54.233	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.460%
50) Toluene-d8	8.653	98	161844	52.571	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.140%
62) 4-Bromofluorobenzene	11.085	95	62962	48.126	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.260%
Target Compounds						
						Qvalue
5) Bromomethane	1.618	94	108	0.353	ug/l #	3
6) Chloroethane	1.666	64	222	0.486	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	392	0.507	ug/l #	91
11) Tert butyl alcohol	2.941	59	63	0.308	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	165	0.233	ug/l #	24
16) Acetone	2.374	43	294	0.624	ug/l #	39
25) 2-Butanone	4.410	43	138	0.201	ug/l #	44
31) Cyclohexane	5.556	56	1640	1.393	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6281	5.699	ug/l #	46
38) Carbon Tetrachloride	5.550	117	8698	7.144	ug/l #	16
39) Methylcyclohexane	7.117	83	740	0.571	ug/l #	6
44) Trichloroethene	7.129	130	69889	77.004	ug/l	93
51) 4-Methyl-2-Pentanone	8.653	43	615	0.405	ug/l #	1
60) Dibromochloromethane	9.275	129	382	0.395	ug/l #	9
64) Tetrachloroethene	9.281	164	379	0.438	ug/l	94
76) 1,2,3-Trichloropropane	11.085	75	30804	22.552	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	30804	66.557	ug/l #	15

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

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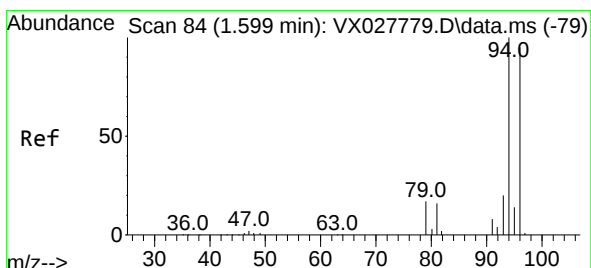
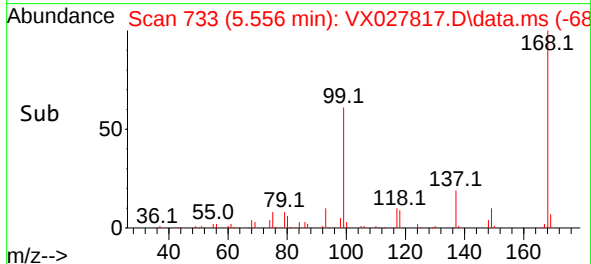
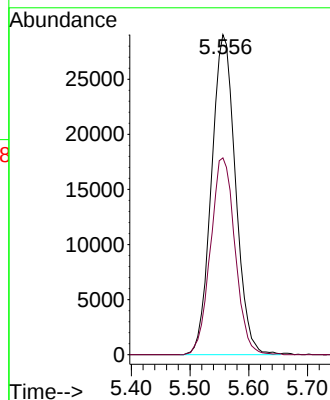
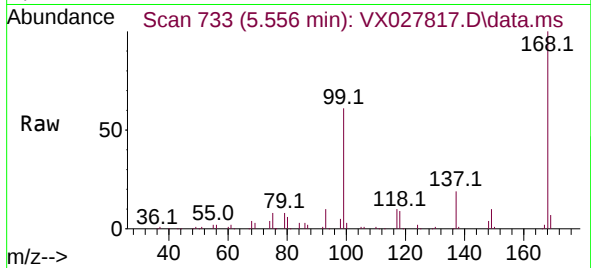




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

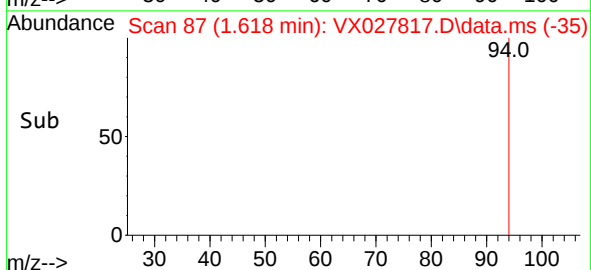
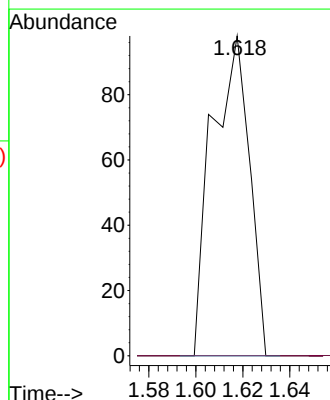
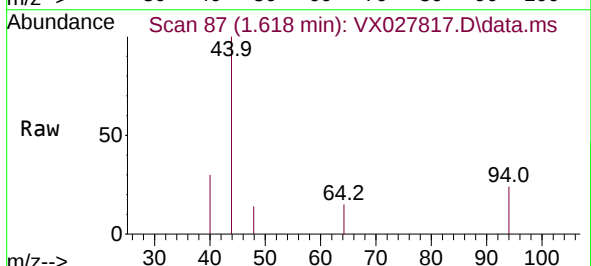
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220317DL

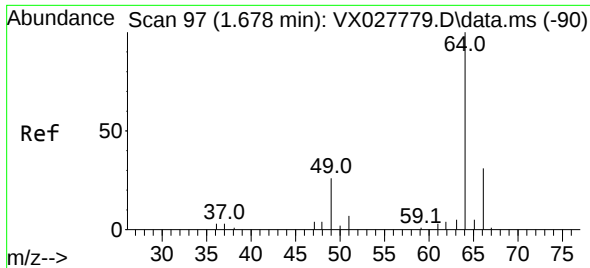
Tgt Ion:168 Resp: 82552
Ion Ratio Lower Upper
168 100
99 61.5 41.7 62.5



#5
Bromomethane
Concen: 0.353 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

Tgt Ion: 94 Resp: 108
Ion Ratio Lower Upper
94 100
96 0.0 75.3 112.9#

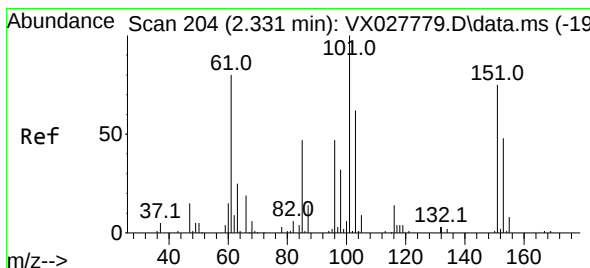
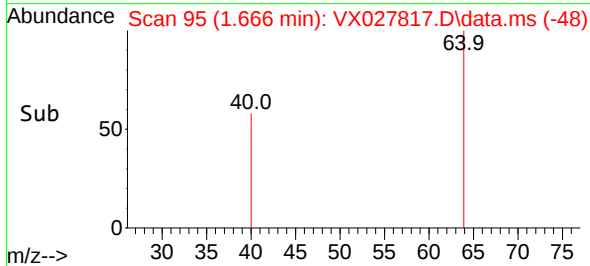
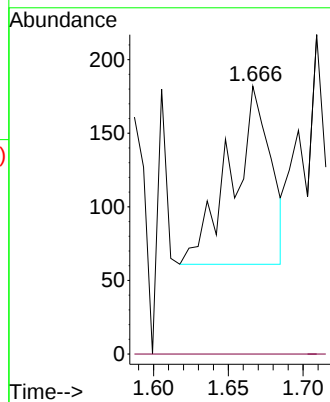
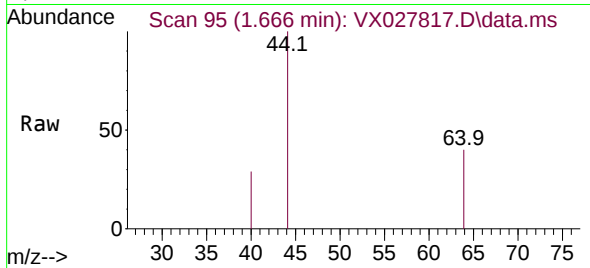




#6
Chloroethane
Concen: 0.486 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

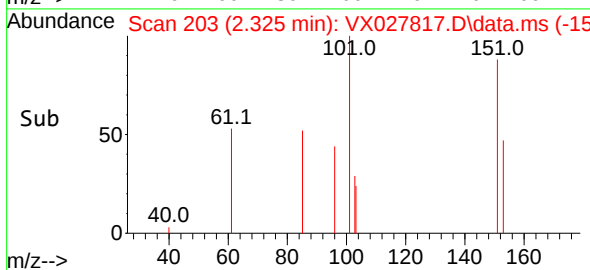
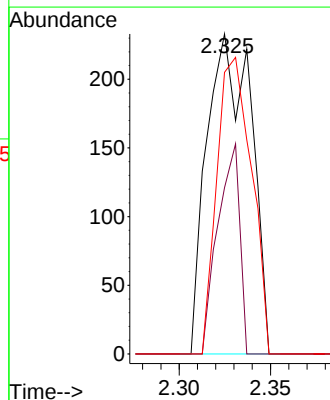
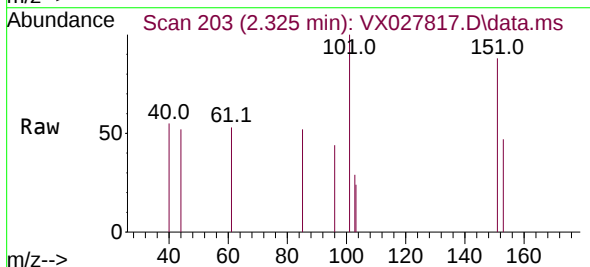
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220317DL

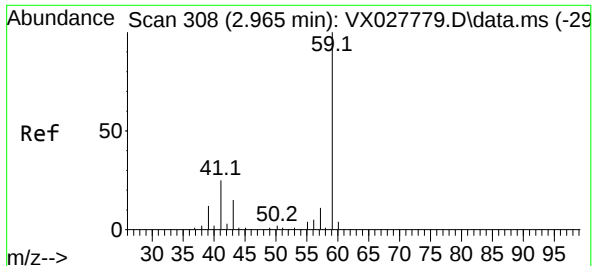
Tgt Ion: 64 Resp: 222
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.507 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

Tgt Ion: 101 Resp: 392
Ion Ratio Lower Upper
101 100
85 32.7 33.5 50.3#
151 72.4 61.8 92.6

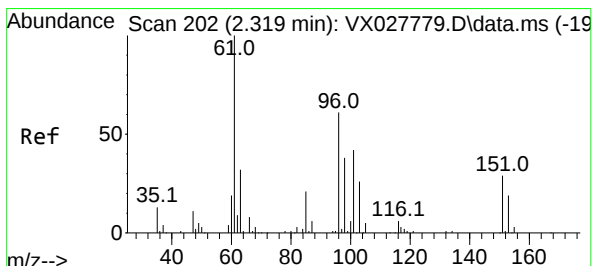
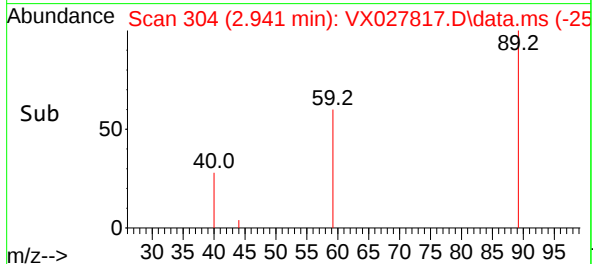
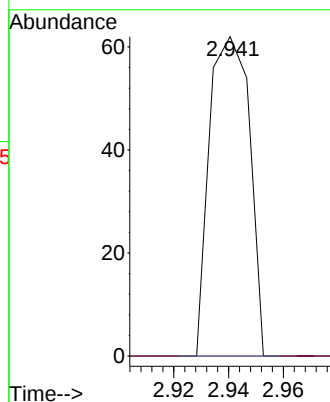
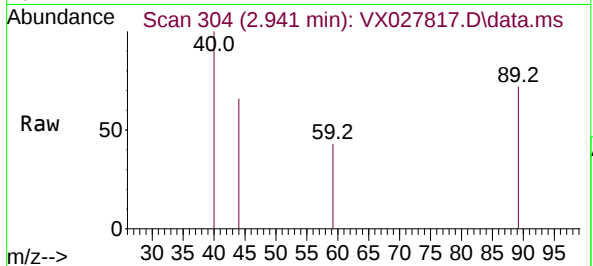




#11
Tert butyl alcohol
Concen: 0.308 ug/l
RT: 2.941 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

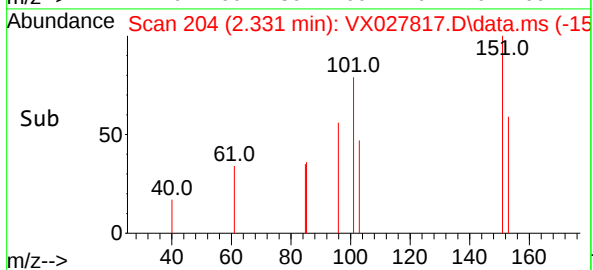
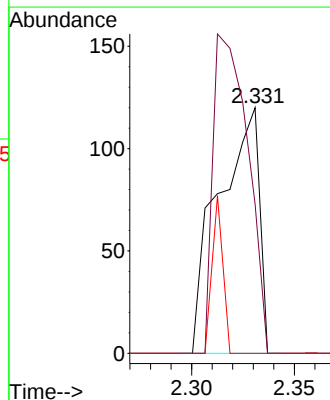
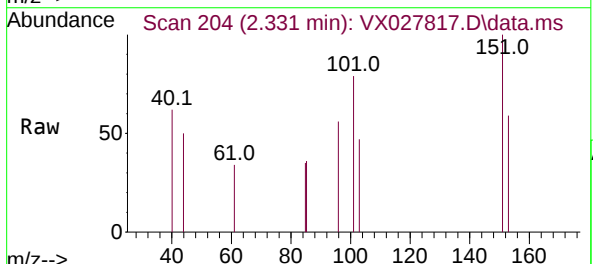
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220317DL

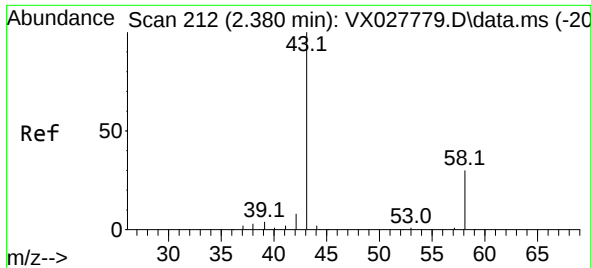
Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.233 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.012 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

Tgt Ion: 96 Resp: 165
Ion Ratio Lower Upper
96 100
61 60.8 124.6 187.0#
98 0.0 51.0 76.4#





#16

Acetone

Concen: 0.624 ug/l

RT: 2.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX027817.D

Acq: 30 Mar 2022 17:48

Instrument :

MSVOA_X

ClientSampleId :

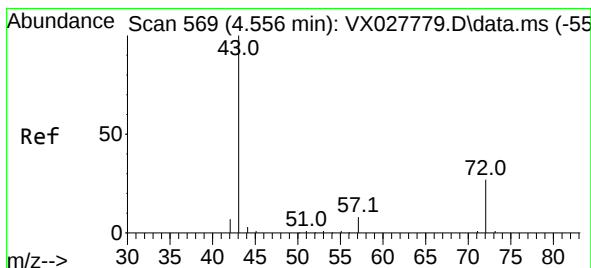
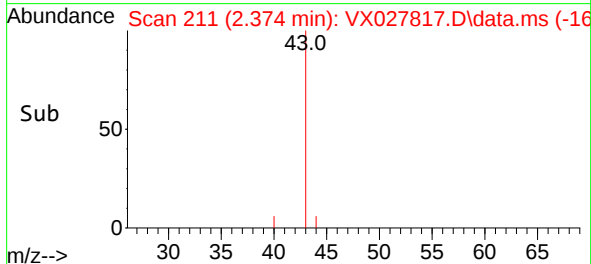
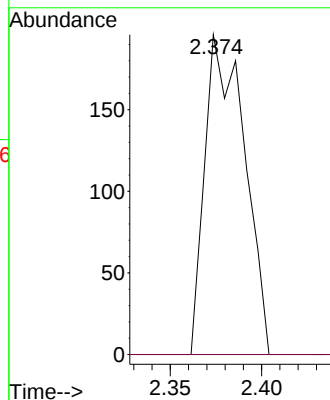
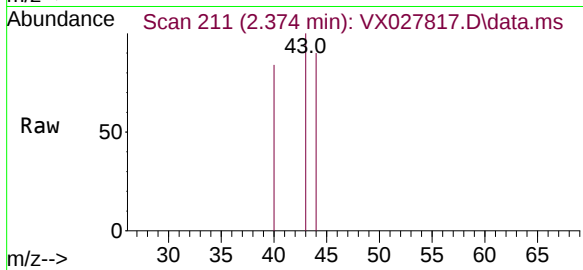
RW4-20220317DL

Tgt Ion: 43 Resp: 294

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#



#25

2-Butanone

Concen: 0.201 ug/l

RT: 4.410 min Scan# 545

Delta R.T. -0.146 min

Lab File: VX027817.D

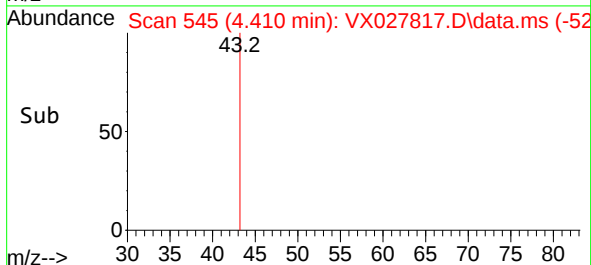
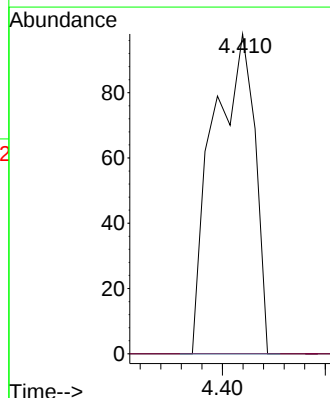
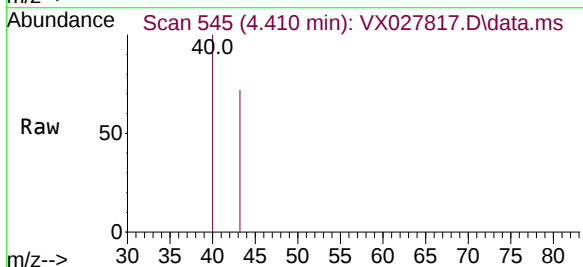
Acq: 30 Mar 2022 17:48

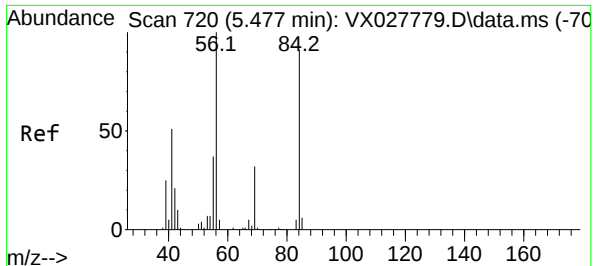
Tgt Ion: 43 Resp: 138

Ion Ratio Lower Upper

43 100

72 0.0 24.4 36.6#

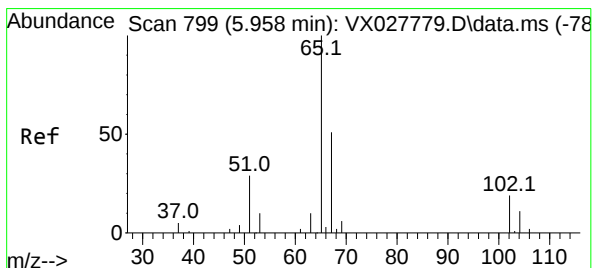
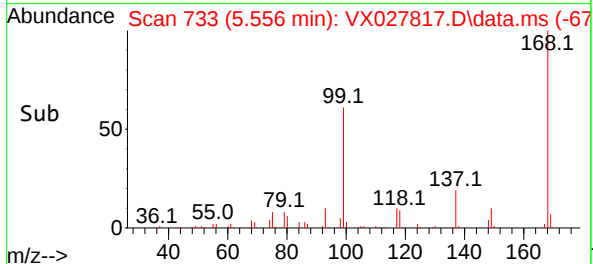
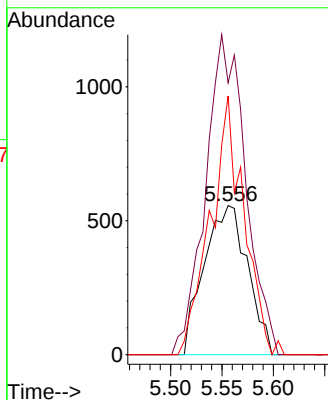
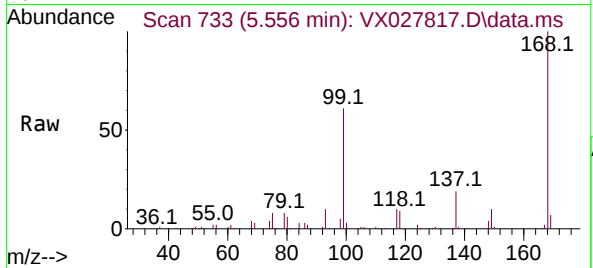




#31
Cyclohexane
Concen: 1.393 ug/l
RT: 5.556 min Scan# 713
Delta R.T. 0.079 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

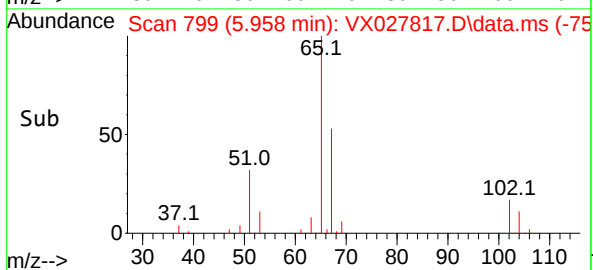
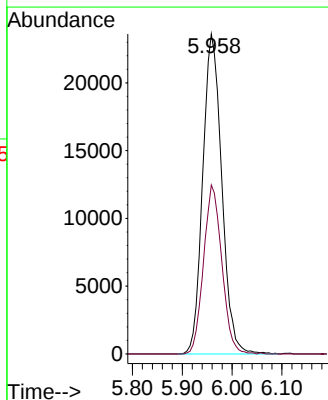
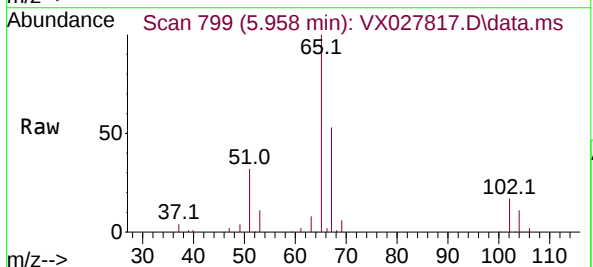
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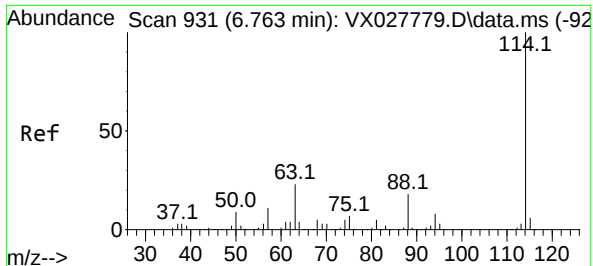
Tgt Ion: 56 Resp: 1640
Ion Ratio Lower Upper
56 100
69 182.2 26.7 40.1#
84 173.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 58.713 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

Tgt Ion: 65 Resp: 62538
Ion Ratio Lower Upper
65 100
67 50.7 0.0 107.4

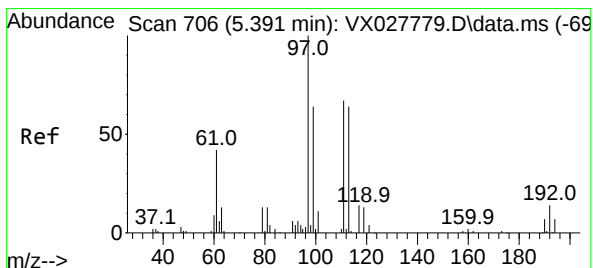
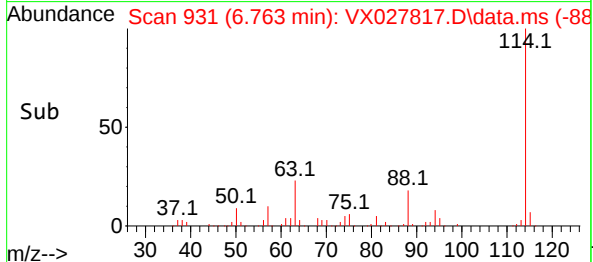
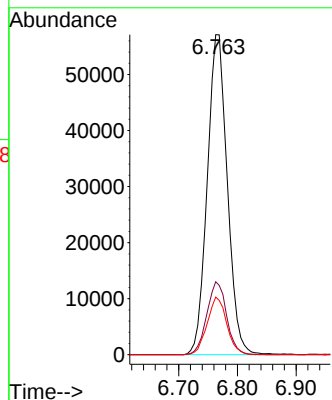
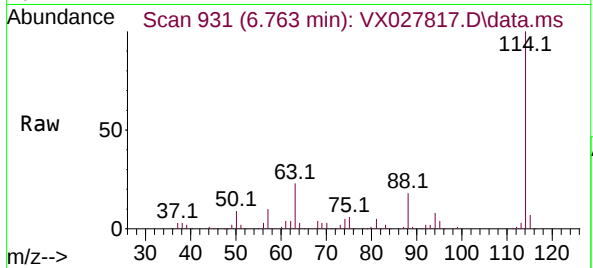




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

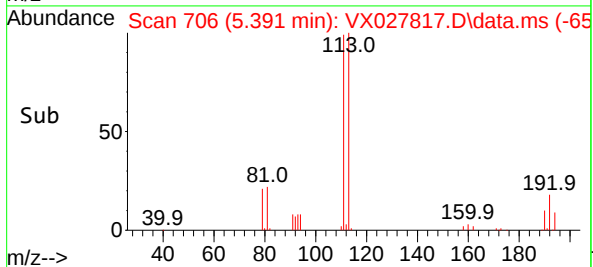
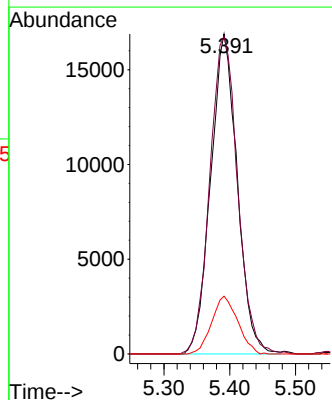
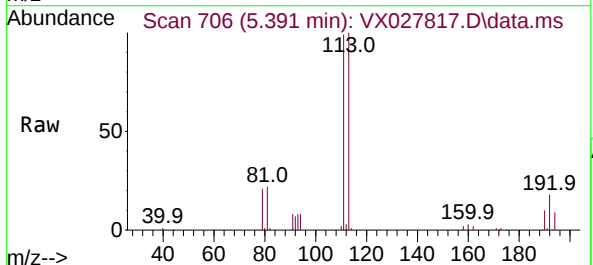
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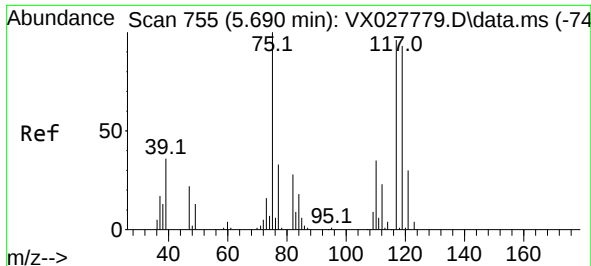
Tgt Ion:114 Resp: 135556
Ion Ratio Lower Upper
114 100
63 22.8 0.0 36.8
88 18.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.233 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

Tgt Ion:113 Resp: 47453
Ion Ratio Lower Upper
113 100
111 103.5 82.8 124.2
192 17.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.699 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX027817.D

Acq: 30 Mar 2022 17:48

Instrument :

MSVOA_X

ClientSampleId :

RW4-20220317DL

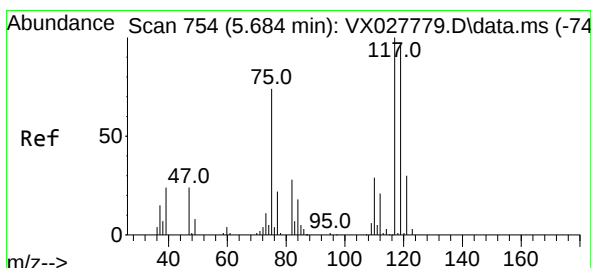
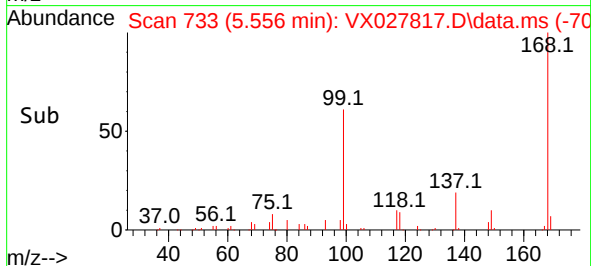
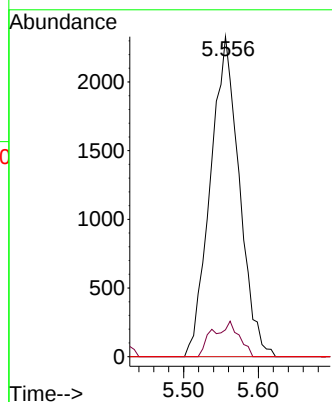
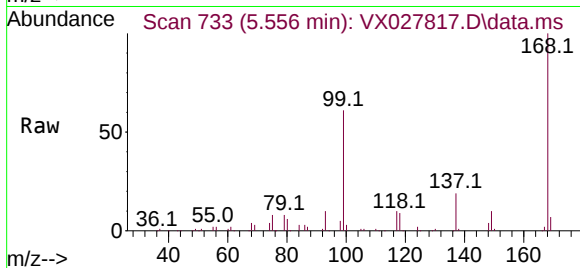
Tgt Ion: 75 Resp: 6281

Ion Ratio Lower Upper

75 100

110 5.6 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.144 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX027817.D

Acq: 30 Mar 2022 17:48

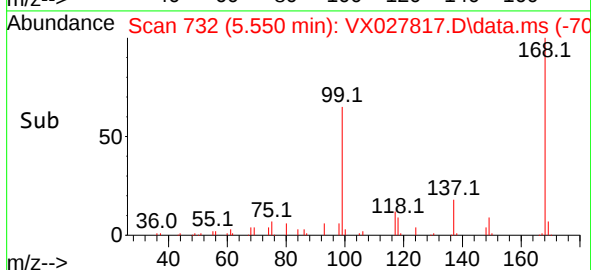
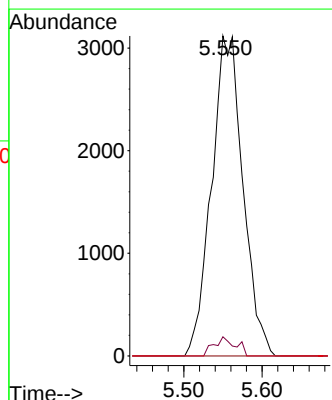
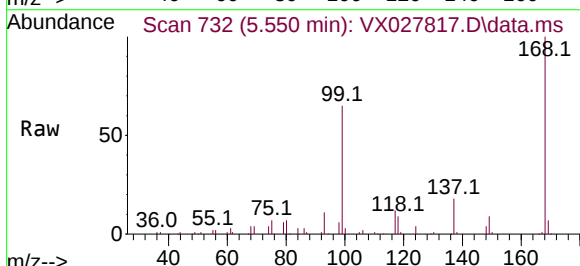
Tgt Ion: 117 Resp: 8698

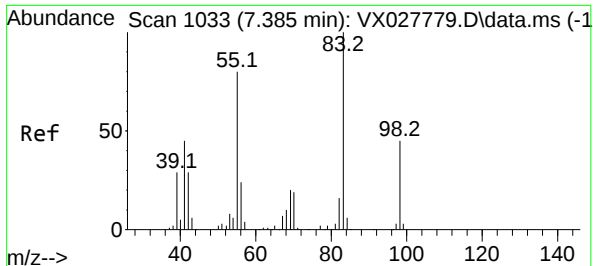
Ion Ratio Lower Upper

117 100

119 6.0 77.3 115.9#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.571 ug/l

RT: 7.117 min Scan# 91

Delta R.T. -0.268 min

Lab File: VX027817.D

Acq: 30 Mar 2022 17:48

Instrument :

MSVOA_X

ClientSampleId :

RW4-20220317DL

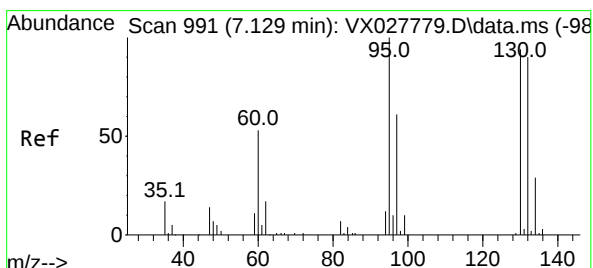
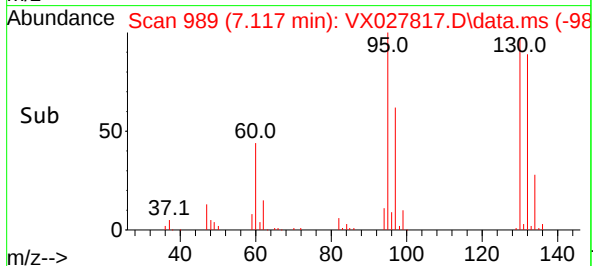
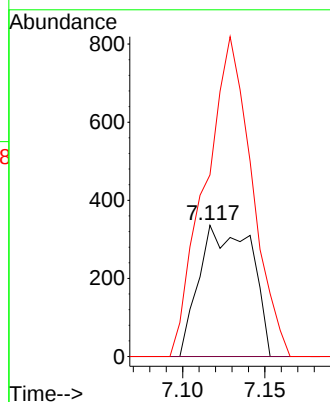
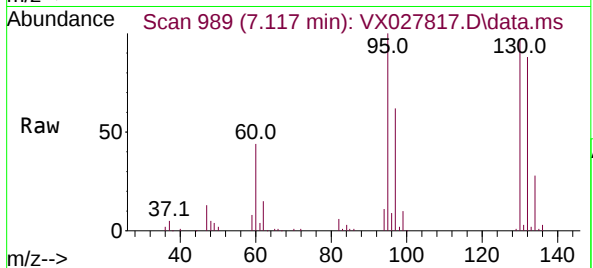
Tgt Ion: 83 Resp: 740

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 118.5 37.4 56.2#



#44

Trichloroethene

Concen: 77.004 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX027817.D

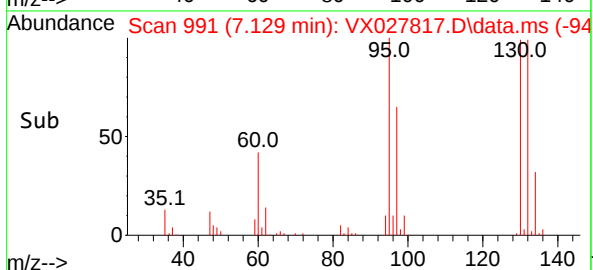
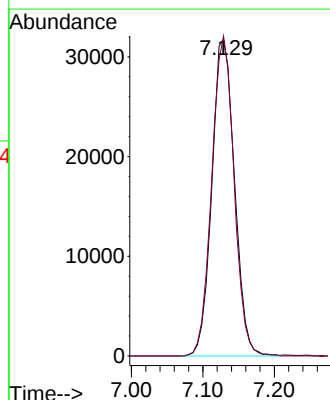
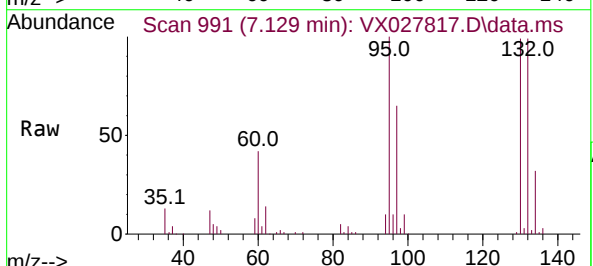
Acq: 30 Mar 2022 17:48

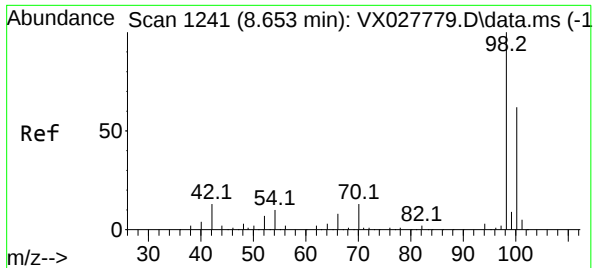
Tgt Ion:130 Resp: 69889

Ion Ratio Lower Upper

130 100

95 101.1 0.0 188.8

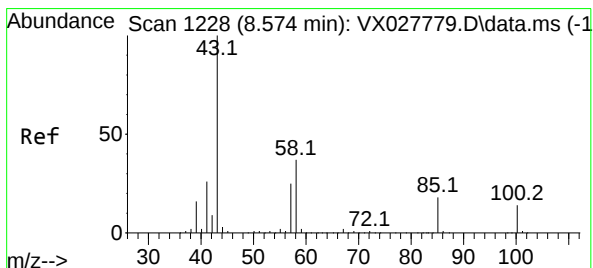
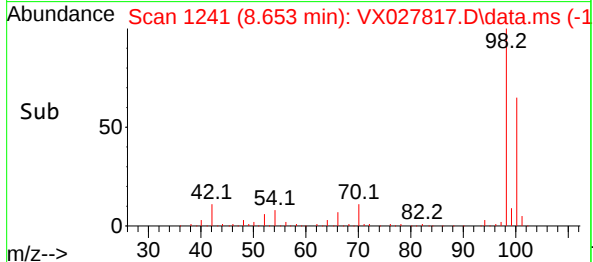
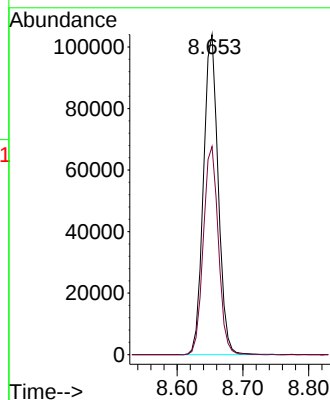
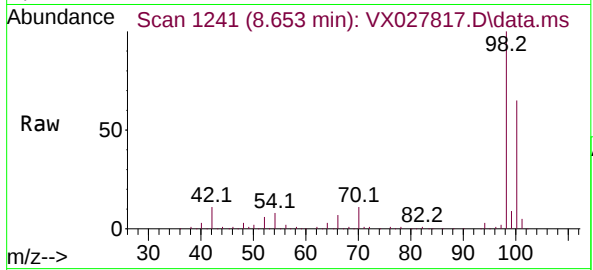




#50
Toluene-d8
Concen: 52.571 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

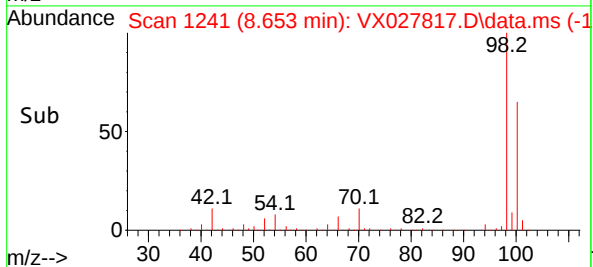
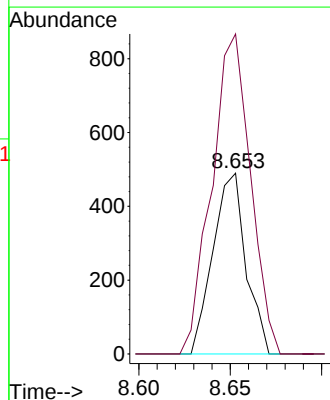
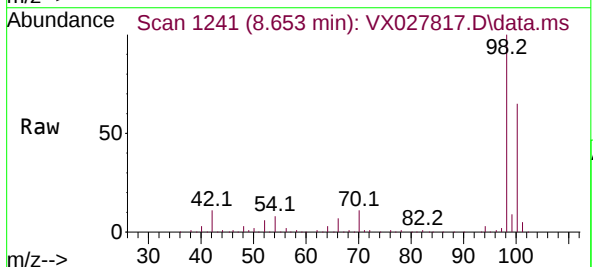
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220317DL

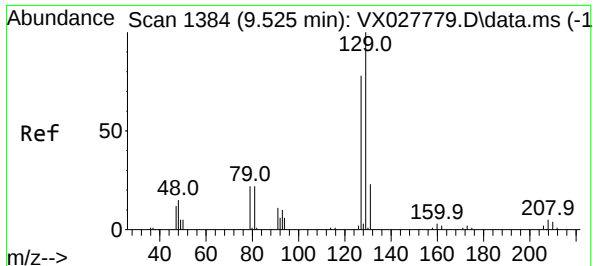
Tgt Ion: 98 Resp: 161844
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.405 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
58 208.1 36.1 54.1#

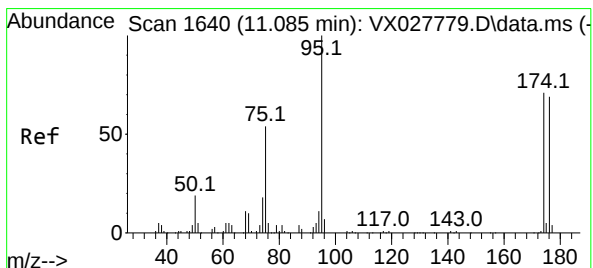
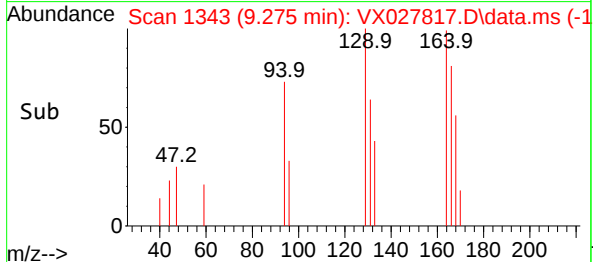
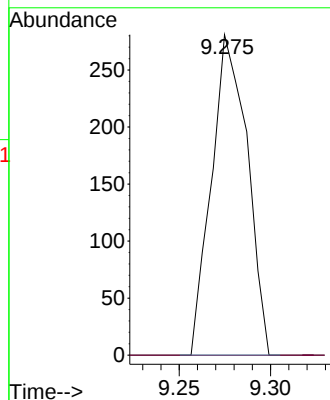
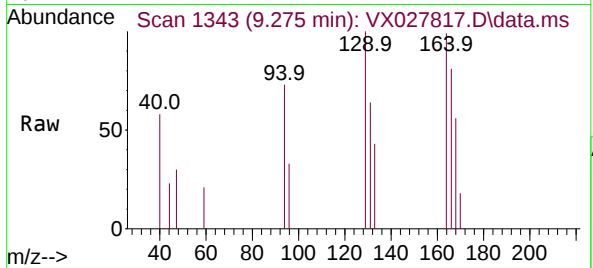




#60
Dibromochloromethane
Concen: 0.395 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

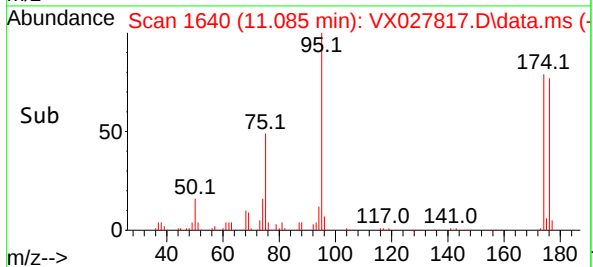
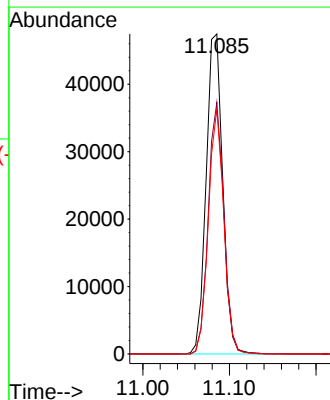
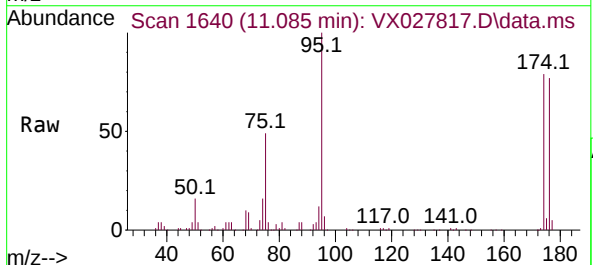
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220317DL

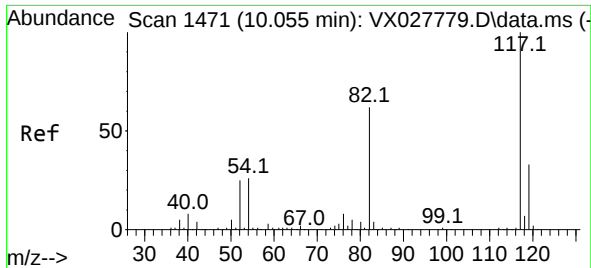
Tgt Ion:129 Resp: 382
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 48.126 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

Tgt Ion: 95 Resp: 62962
Ion Ratio Lower Upper
95 100
174 74.7 0.0 163.0
176 71.4 0.0 155.0

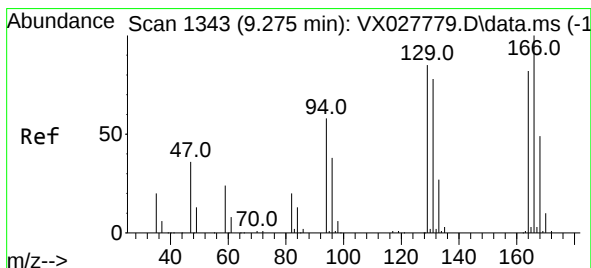
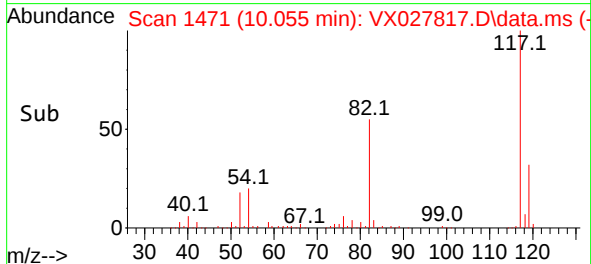
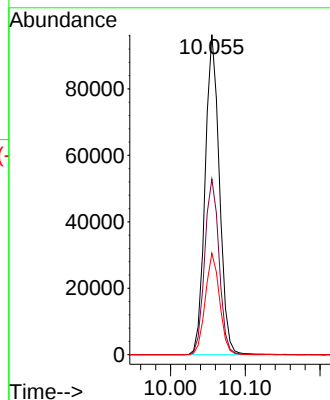
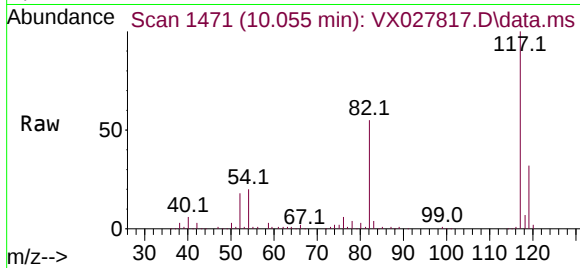




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

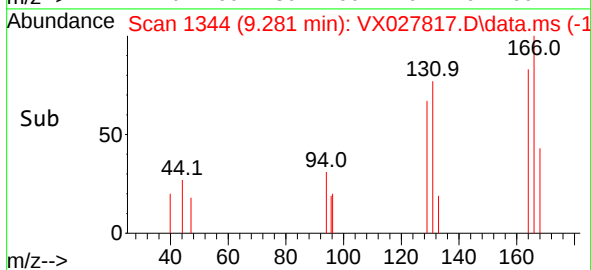
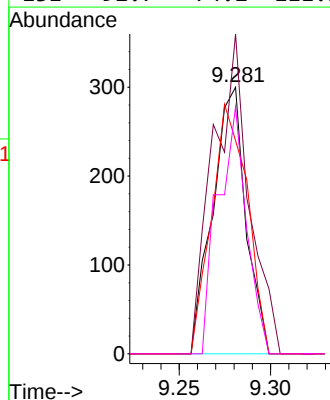
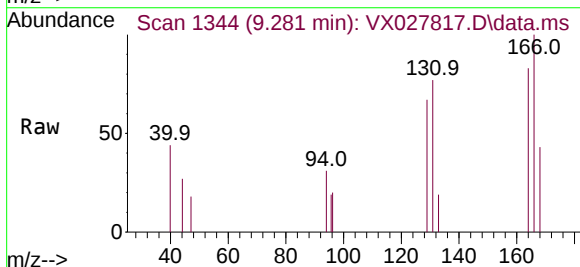
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220317DL

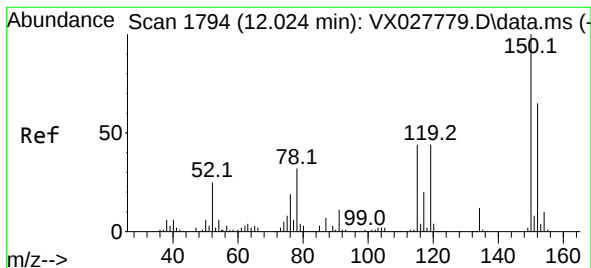
Tgt Ion:117 Resp: 127595
Ion Ratio Lower Upper
117 100
82 54.9 41.8 62.8
119 31.7 24.8 37.2



#64
Tetrachloroethene
Concen: 0.438 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX027817.D
Acq: 30 Mar 2022 17:48

Tgt Ion:164 Resp: 379
Ion Ratio Lower Upper
164 100
166 120.0 101.2 151.8
129 80.0 73.0 109.4
131 92.7 74.2 111.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX027817.D

Acq: 30 Mar 2022 17:48

Instrument :

MSVOA_X

ClientSampleId :

RW4-20220317DL

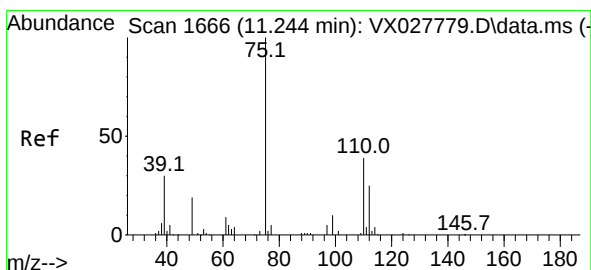
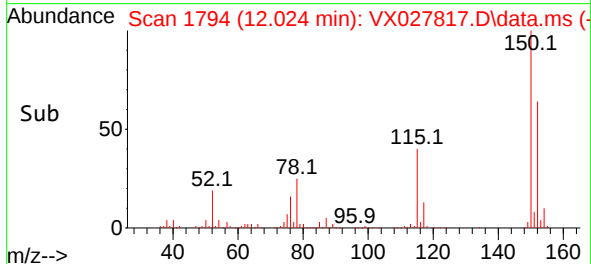
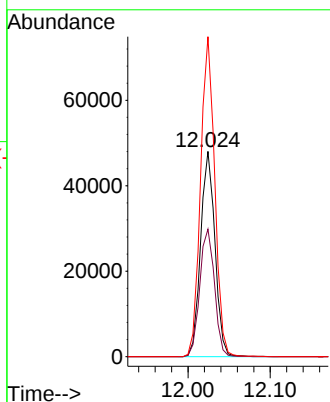
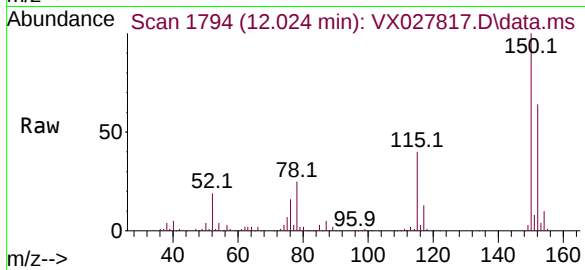
Tgt Ion:152 Resp: 58227

Ion Ratio Lower Upper

152 100

115 63.8 37.5 112.7

150 154.3 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 22.552 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX027817.D

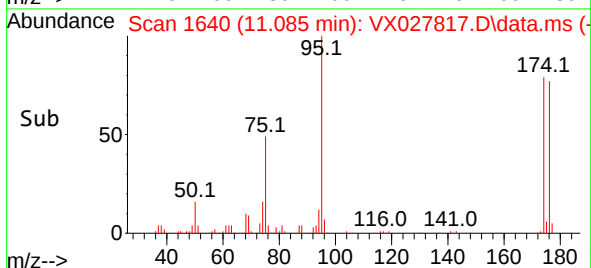
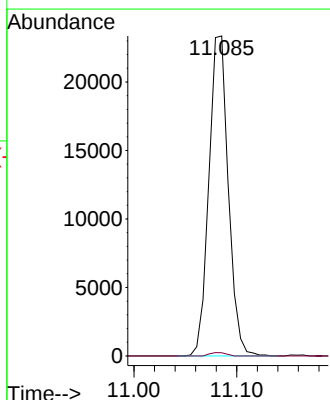
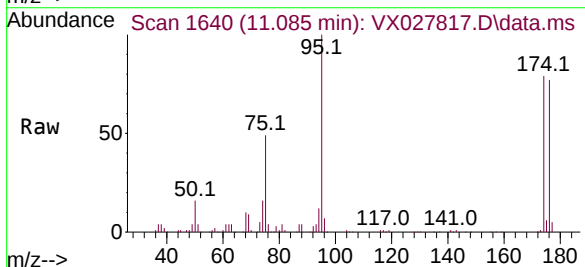
Acq: 30 Mar 2022 17:48

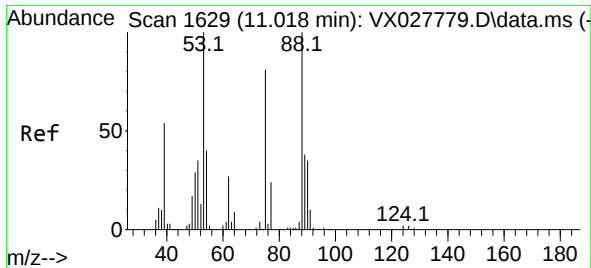
Tgt Ion: 75 Resp: 30804

Ion Ratio Lower Upper

75 100

77 0.9 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.557 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX027817.D
 Acq: 30 Mar 2022 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220317DL

Tgt Ion: 75 Resp: 30804
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

