

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021022\
 Data File : VX026943.D
 Acq On : 11 Feb 2022 01:12
 Operator : JC/MD
 Sample : N1481-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW7B-GW-20220209

Quant Time: Feb 11 04:07:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

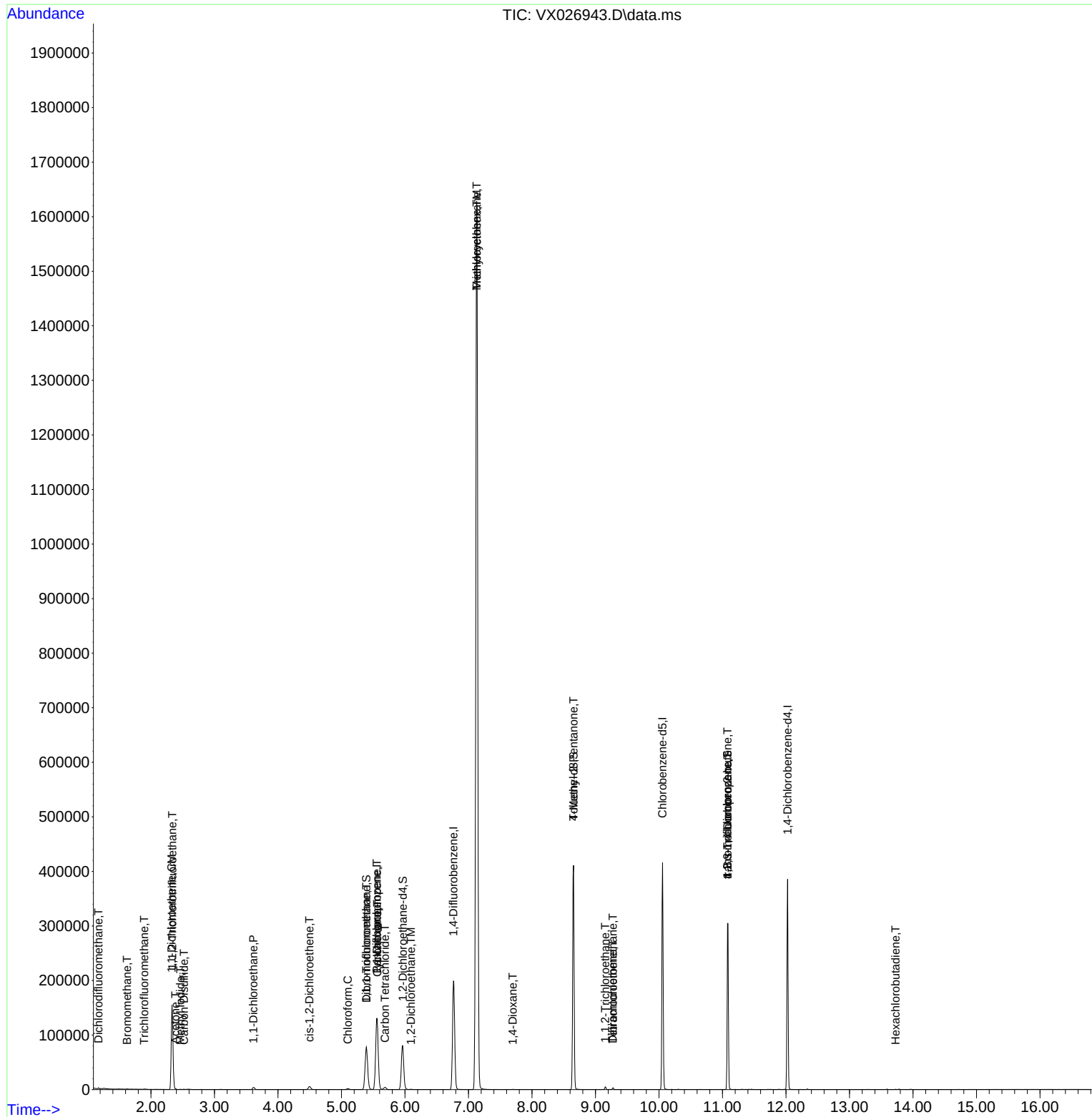
Internal Standards						
1) Pentafluorobenzene	5.556	168	123072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206220	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	79381	53.732	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.460%	
35) Dibromofluoromethane	5.391	113	64456	52.462	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.920%	
50) Toluene-d8	8.653	98	243296	53.947	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.900%	
62) 4-Bromofluorobenzene	11.079	95	86474	54.462	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.920%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	355	0.265	ug/l	84
5) Bromomethane	1.624	94	212	0.383	ug/l #	58
7) Trichlorofluoromethane	1.892	101	443	0.231	ug/l #	77
9) 1,1,2-Trichlorotrifluo...	2.337	101	37979	30.212	ug/l	99
10) Methyl Iodide	2.465	142	626	2.597	ug/l #	80
12) 1,1-Dichloroethene	2.325	96	25400	20.166	ug/l	97
16) Acetone	2.386	43	1113	1.715	ug/l	96
17) Carbon Disulfide	2.520	76	772	0.217	ug/l #	74
24) 1,1-Dichloroethane	3.611	63	4958	2.040	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	3764	2.473	ug/l	88
30) Chloroform	5.099	83	2046	0.810	ug/l	85
31) Cyclohexane	5.562	56	2531	1.078	ug/l #	1
32) 1,1,1-Trichloroethane	5.391	97	3584	1.610	ug/l	97
36) 1,1-Dichloropropene	5.556	75	9414	4.857	ug/l #	50
38) Carbon Tetrachloride	5.684	117	3808	1.874	ug/l	99
39) Methylcyclohexane	7.129	83	7361	3.097	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	826	0.415	ug/l #	75
44) Trichloroethene	7.129	130	628666	370.648	ug/l	96
49) 1,4-Dioxane	7.696	88	402	13.892	ug/l #	57
51) 4-Methyl-2-Pentanone	8.653	43	1033	0.503	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	1331	0.983	ug/l	89
60) Dibromochloromethane	9.275	129	568	0.408	ug/l #	11
64) Tetrachloroethene	9.275	164	645	0.347	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	43325	25.886	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	43325	78.839	ug/l #	3
94) Hexachlorobutadiene	13.725	225	150	0.222	ug/l	86

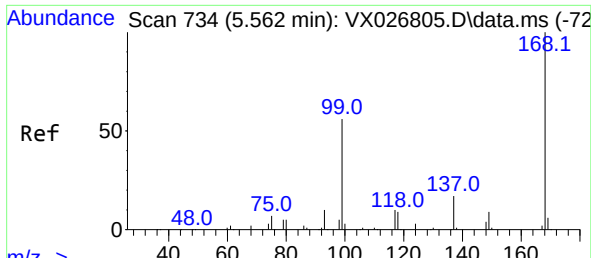
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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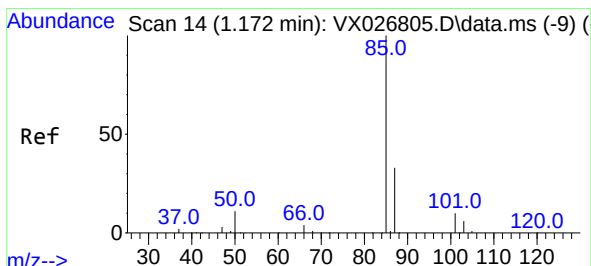
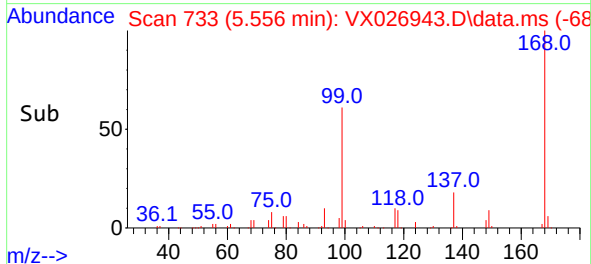
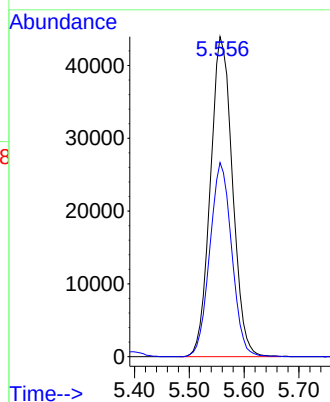
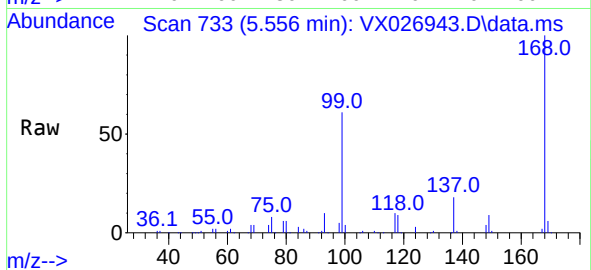




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

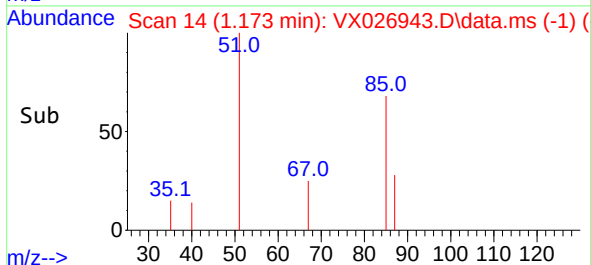
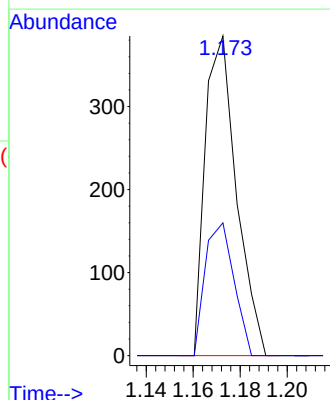
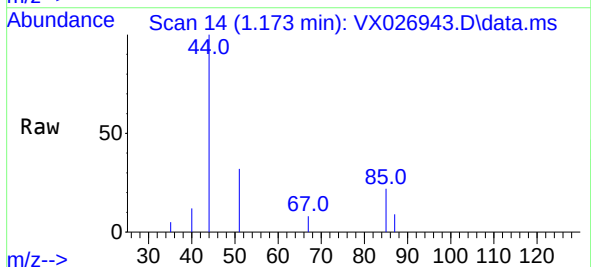
Instrument :
MSVOA_X
ClientSampleId :
RW7B-GW-20220209

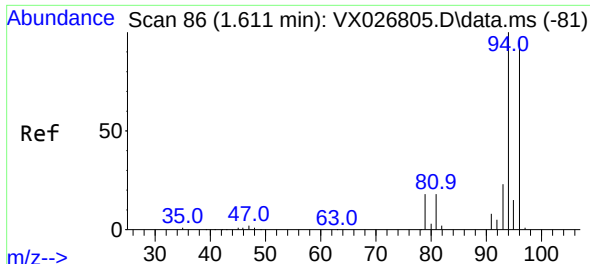
Tgt Ion:168 Resp: 123072
Ion Ratio Lower Upper
168 100
99 60.7 50.3 75.5



#2
Dichlorodifluoromethane
Concen: 0.265 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Tgt Ion: 85 Resp: 355
Ion Ratio Lower Upper
85 100
87 41.6 16.4 49.1

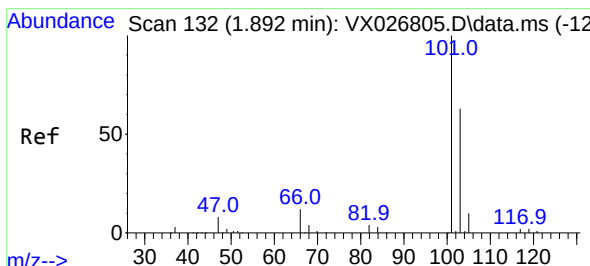
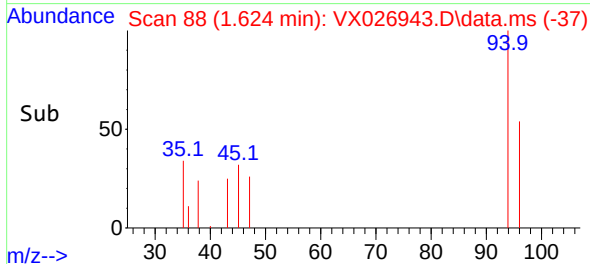
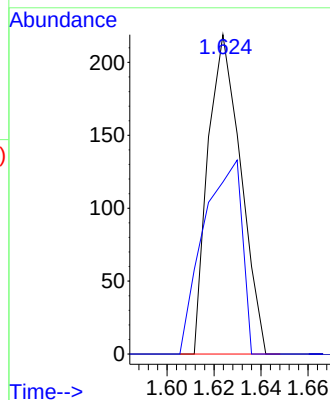
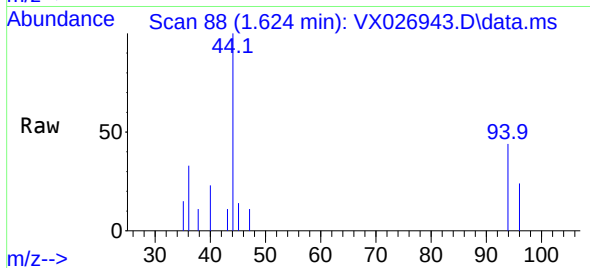




#5
Bromomethane
Concen: 0.383 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

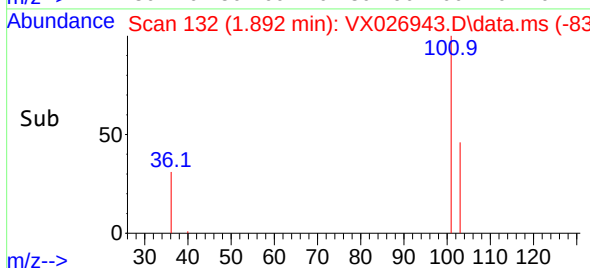
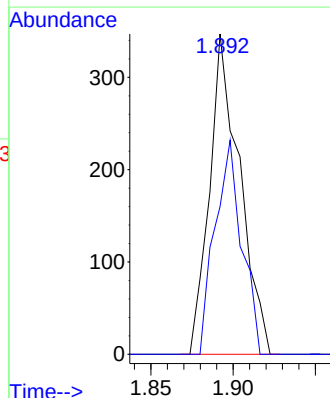
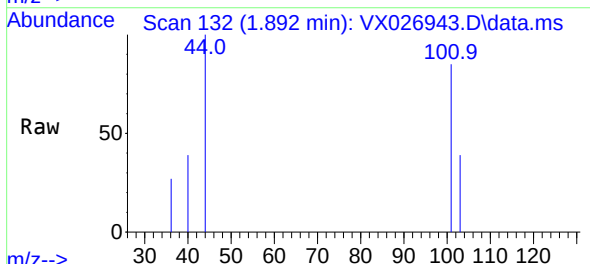
Instrument :
MSVOA_X
ClientSampleId :
RW7B-GW-20220209

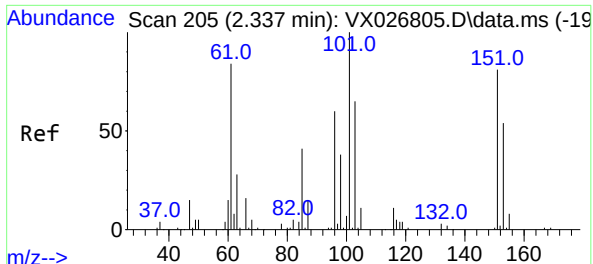
Tgt Ion: 94 Resp: 212
Ion Ratio Lower Upper
94 100
96 53.9 75.9 113.9#



#7
Trichlorofluoromethane
Concen: 0.231 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Tgt Ion: 101 Resp: 443
Ion Ratio Lower Upper
101 100
103 46.1 51.3 76.9#

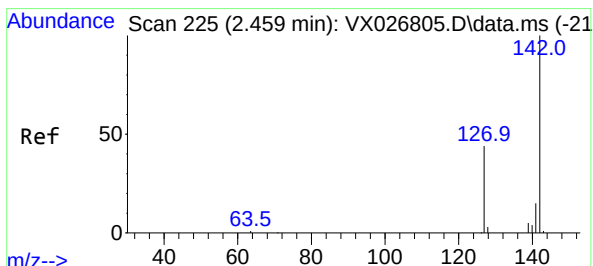
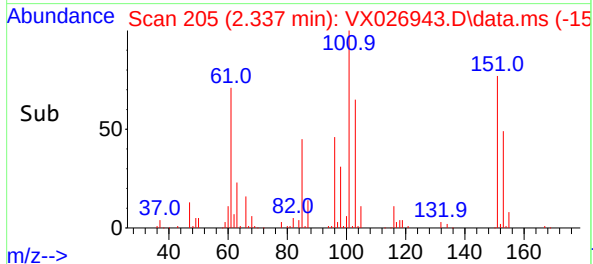
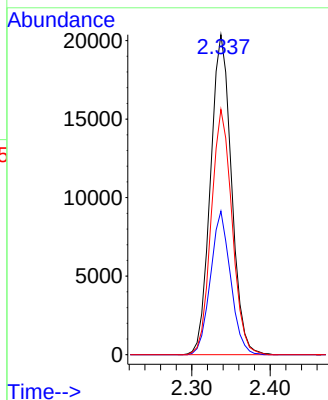
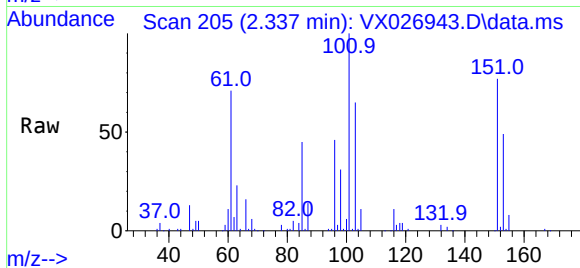




#9
1,1,2-Trichlorotrifluoroethane
Concen: 30.212 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

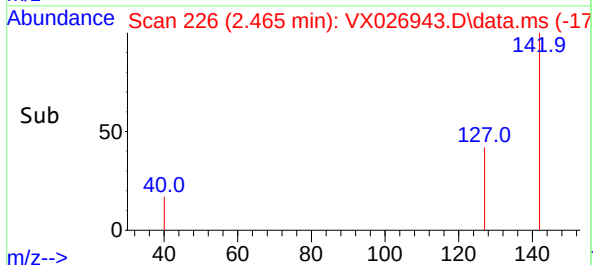
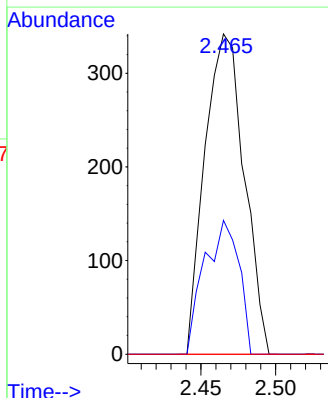
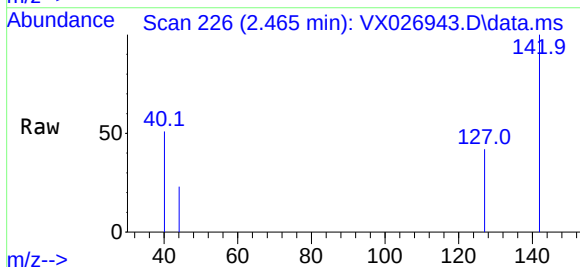
Instrument :
MSVOA_X
ClientSampleId :
RW7B-GW-20220209

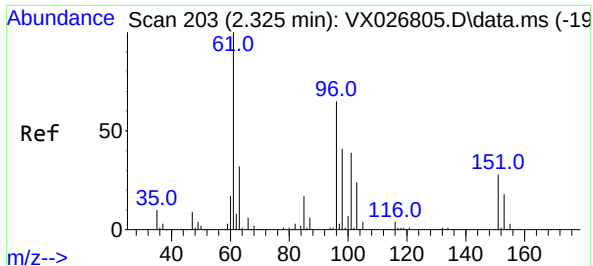
Tgt Ion:	101	Resp:	37979
Ion	Ratio	Lower	Upper
101	100		
85	42.8	35.3	52.9
151	76.0	61.4	92.2



#10
Methyl Iodide
Concen: 2.597 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX026943.D
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Tgt Ion:	142	Resp:	626
Ion	Ratio	Lower	Upper
142	100		
127	36.6	38.1	57.1#
141	0.0	11.2	16.8#

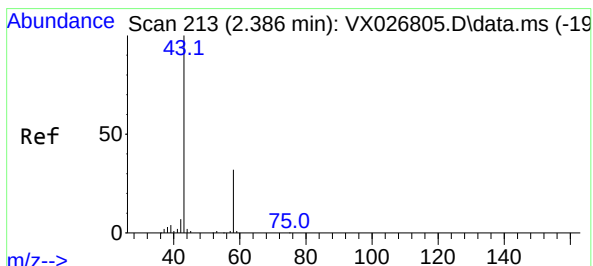
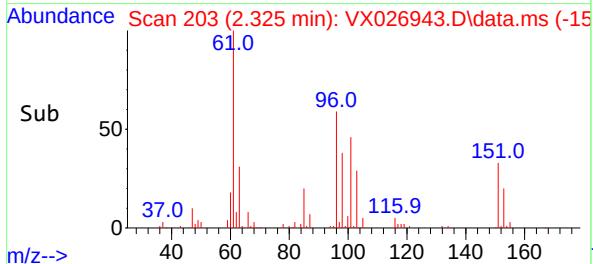
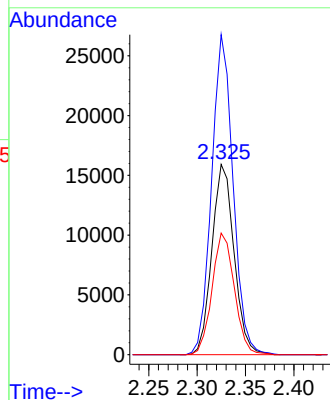
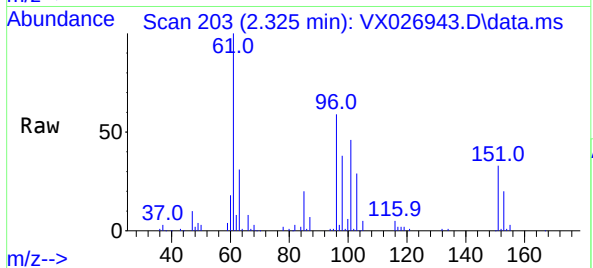




#12
1,1-Dichloroethene
Concen: 20.166 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

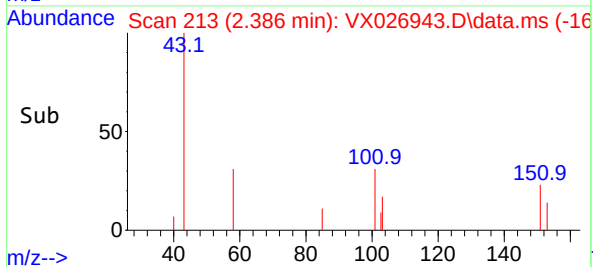
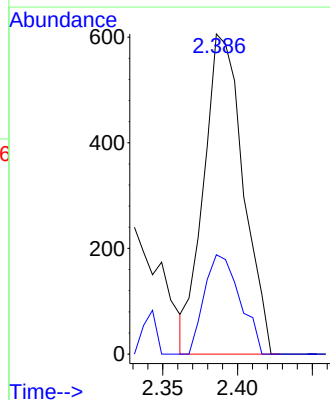
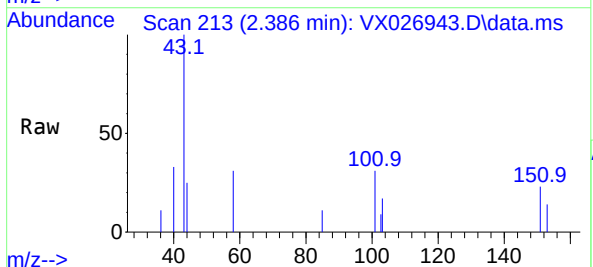
Instrument :
MSVOA_X
ClientSampleId :
RW7B-GW-20220209

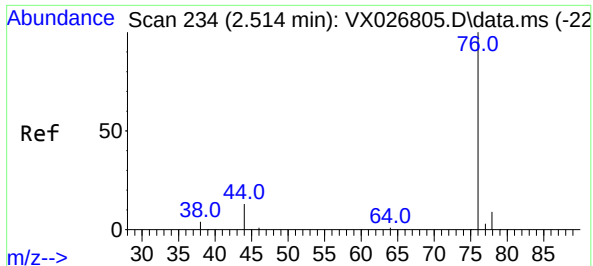
Tgt Ion: 96 Resp: 25400
Ion Ratio Lower Upper
96 100
61 168.2 138.5 207.7
98 63.9 51.8 77.6



#16
Acetone
Concen: 1.715 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Tgt Ion: 43 Resp: 1113
Ion Ratio Lower Upper
43 100
58 31.0 23.0 34.6

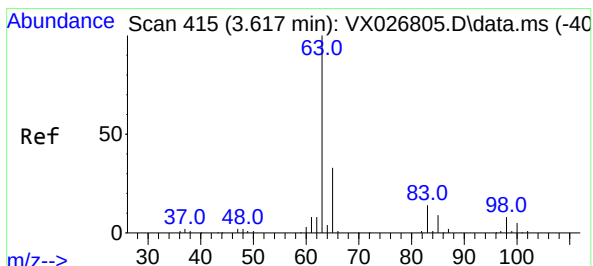
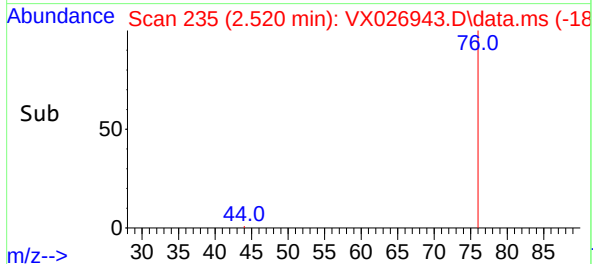
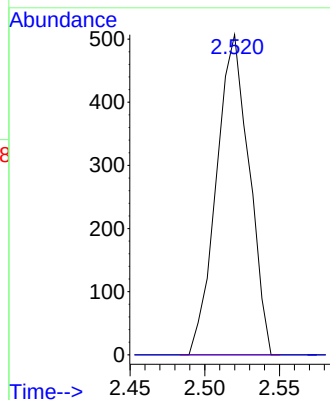
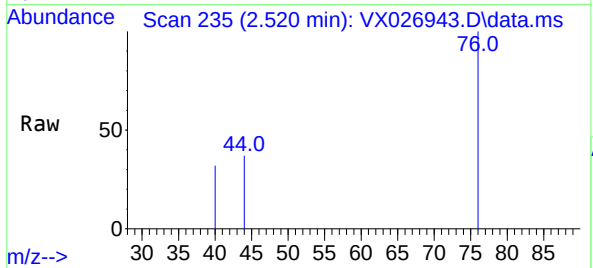




#17
Carbon Disulfide
Concen: 0.217 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

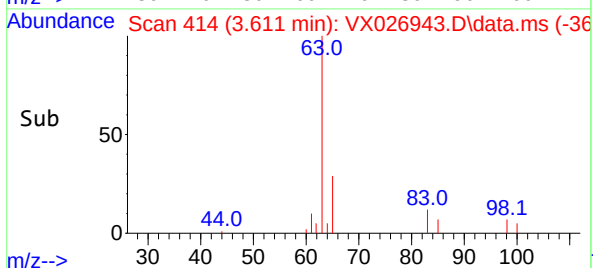
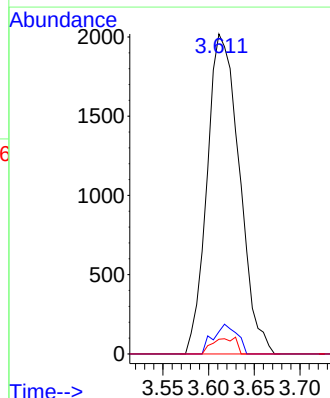
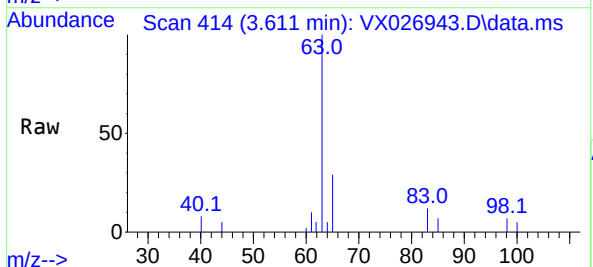
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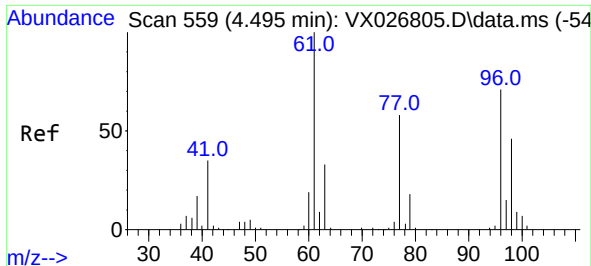
Tgt Ion: 76 Resp: 772
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#24
1,1-Dichloroethane
Concen: 2.040 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.006 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Tgt Ion: 63 Resp: 4958
Ion Ratio Lower Upper
63 100
98 6.9 3.7 11.1
100 4.6 2.4 7.2

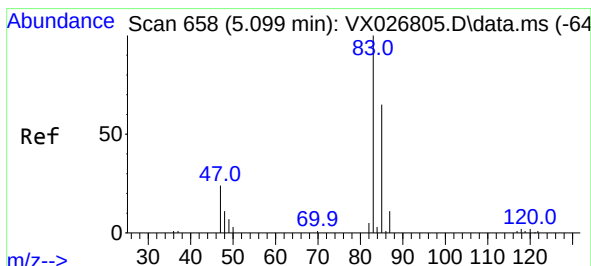
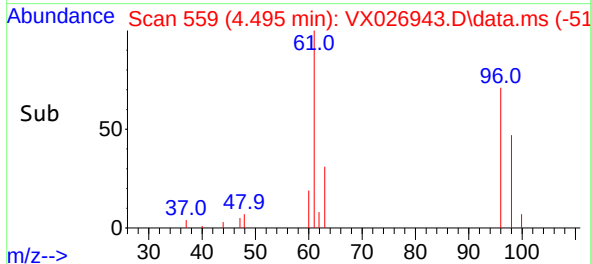
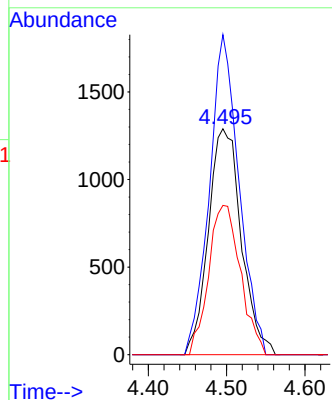
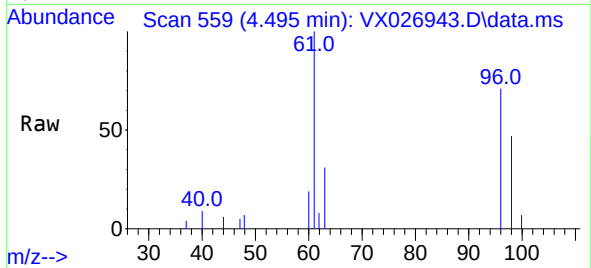




#27
cis-1,2-Dichloroethene
Concen: 2.473 ug/l
RT: 4.495 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

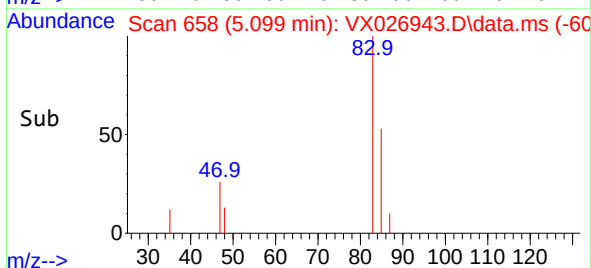
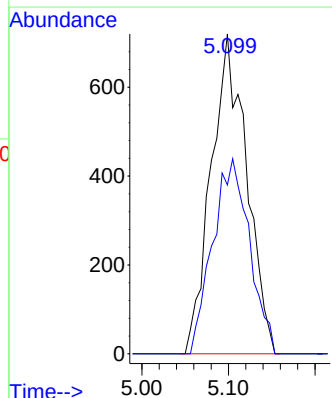
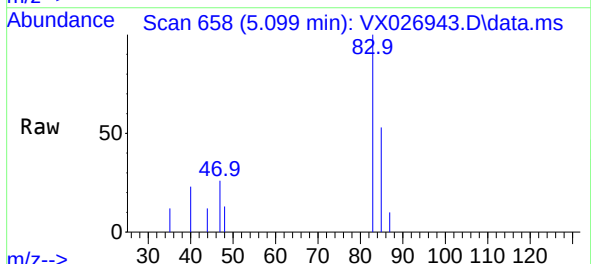
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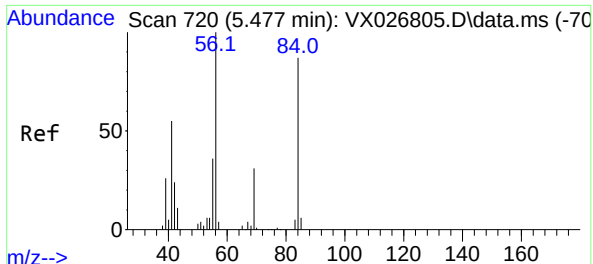
Tgt Ion: 96 Resp: 3764
Ion Ratio Lower Upper
96 100
61 127.6 0.0 296.6
98 63.8 0.0 128.8



#30
Chloroform
Concen: 0.810 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

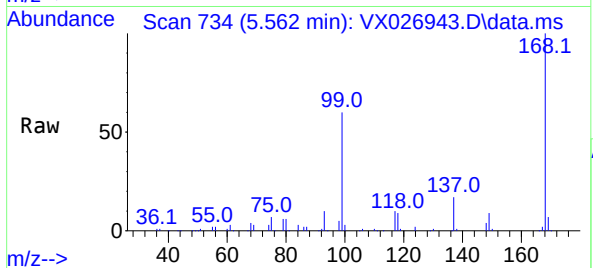
Tgt Ion: 83 Resp: 2046
Ion Ratio Lower Upper
83 100
85 52.8 51.6 77.4



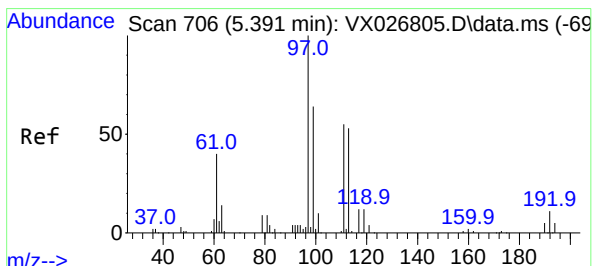
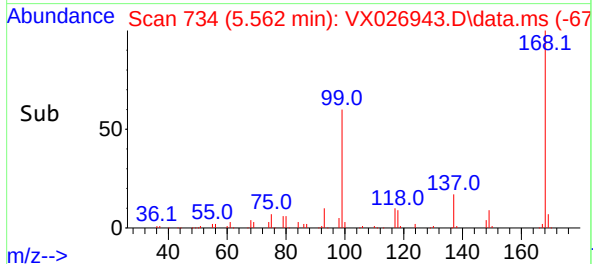
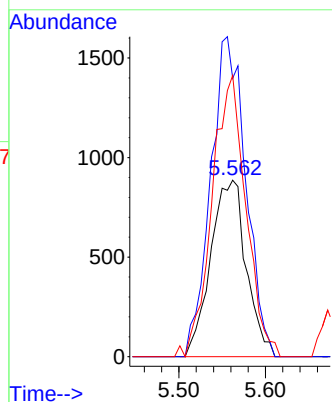


#31
Cyclohexane
Concen: 1.078 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.086 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

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RW7B-GW-20220209

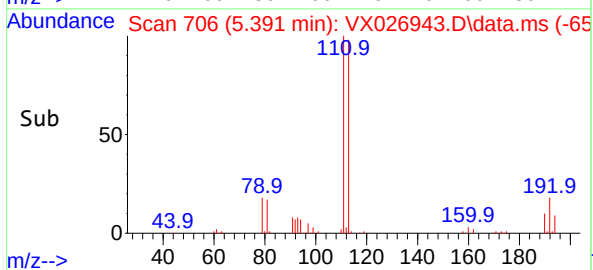
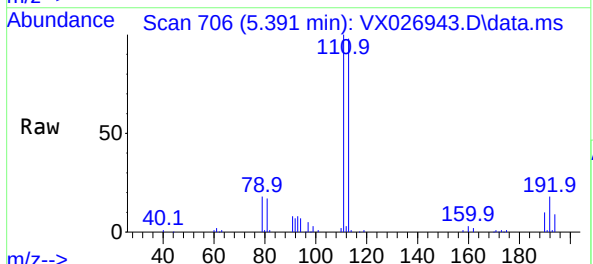
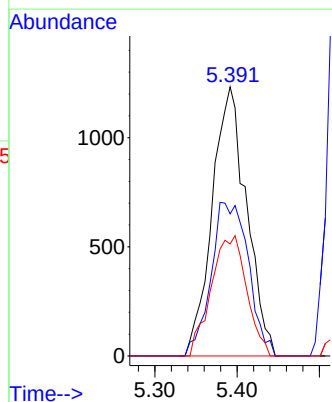


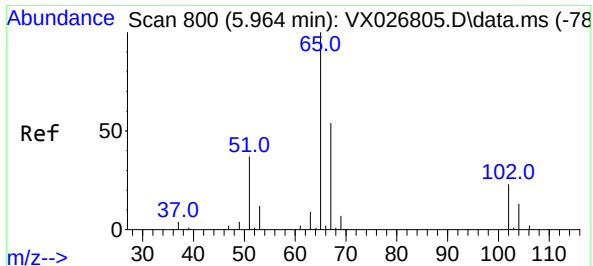
Tgt Ion: 56 Resp: 2531
Ion Ratio Lower Upper
56 100
69 157.8 25.8 38.6#
84 159.5 68.9 103.3#



#32
1,1,1-Trichloroethane
Concen: 1.610 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Tgt Ion: 97 Resp: 3584
Ion Ratio Lower Upper
97 100
99 62.0 51.3 76.9
61 46.0 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 53.732 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026943.D

Acq: 11 Feb 2022 01:12

Instrument :

MSVOA_X

ClientSampleId :

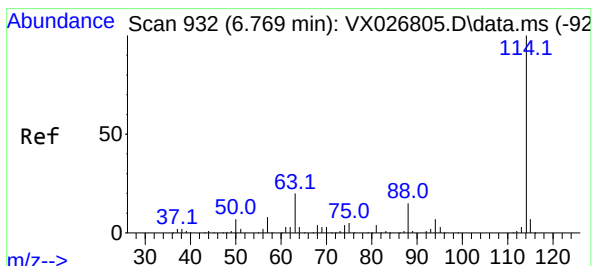
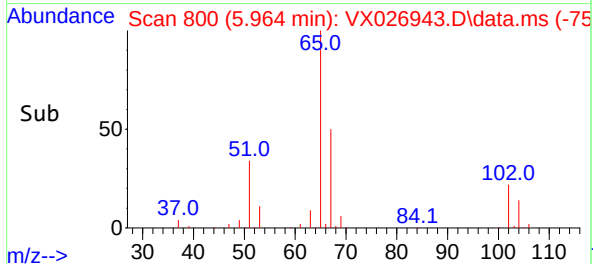
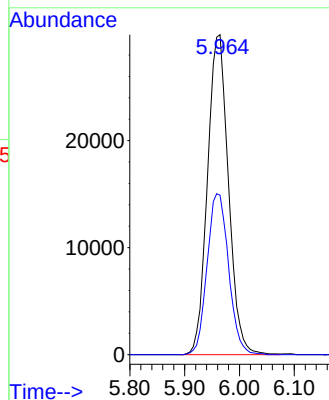
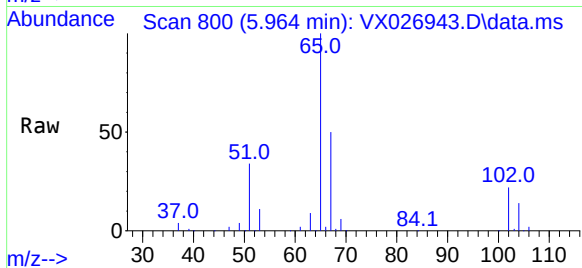
RW7B-GW-20220209

Tgt Ion: 65 Resp: 79381

Ion Ratio Lower Upper

65 100

67 51.5 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX026943.D

Acq: 11 Feb 2022 01:12

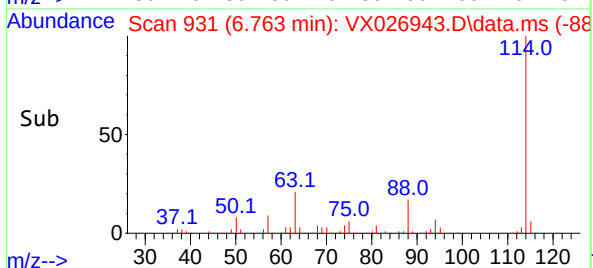
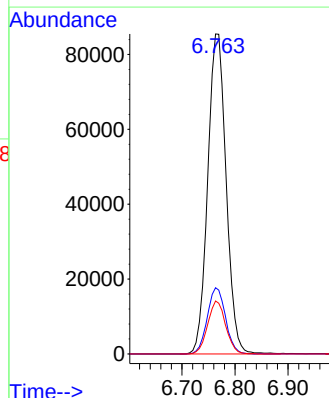
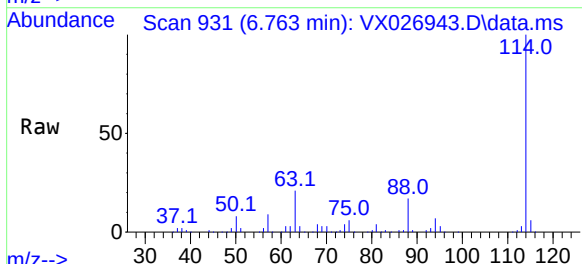
Tgt Ion: 114 Resp: 206220

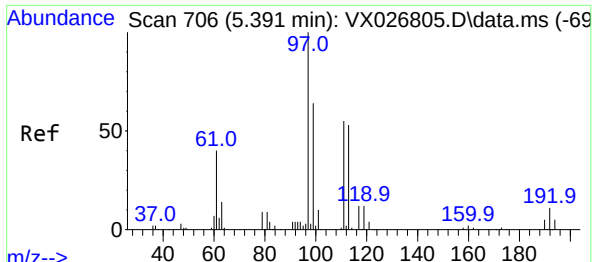
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

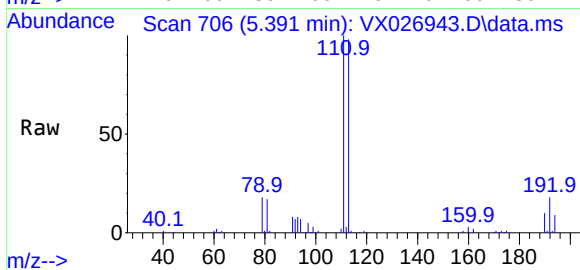
88 16.6 0.0 33.0





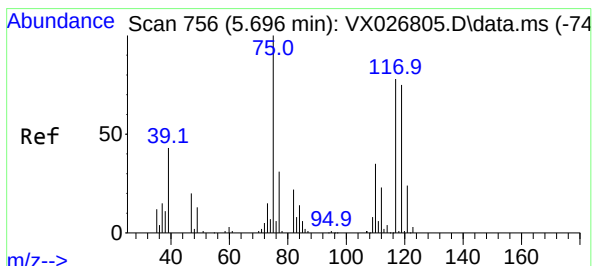
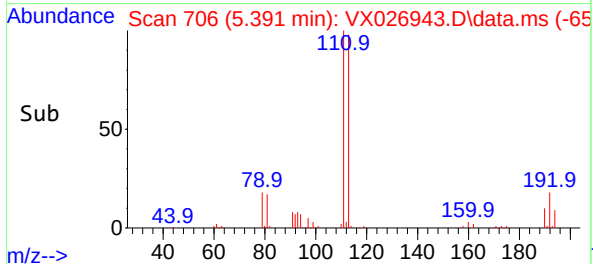
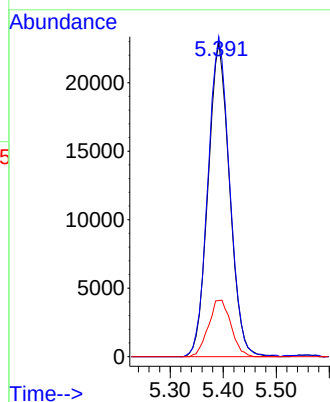
#35
Dibromofluoromethane
Concen: 52.462 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Instrument :
MSVOA_X
ClientSampleId :
RW7B-GW-20220209



Tgt Ion: 113 Resp: 64456

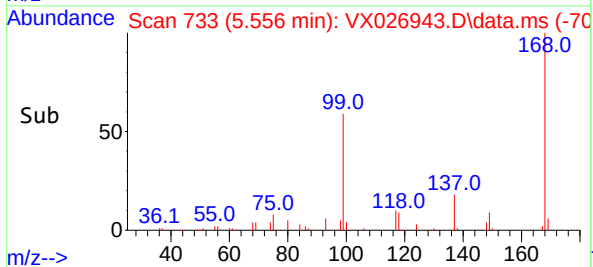
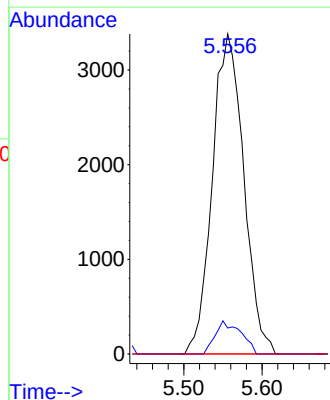
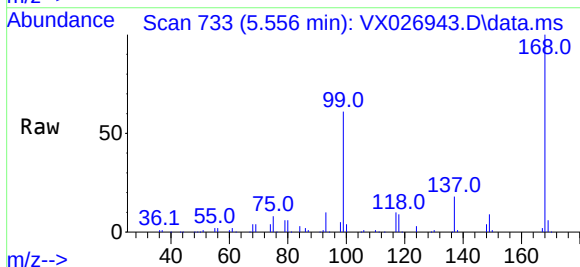
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.2	121.8
192	18.9	15.0	22.4

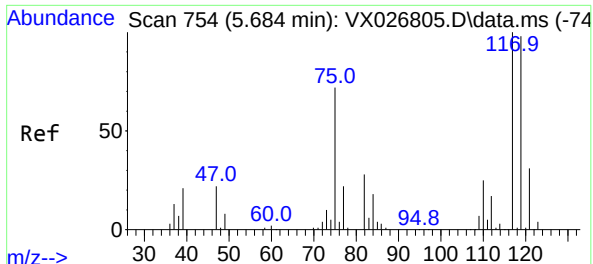


#36
1,1-Dichloropropene
Concen: 4.857 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Tgt Ion: 75 Resp: 9414

Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.2	51.6#
77	0.0	24.6	36.8#

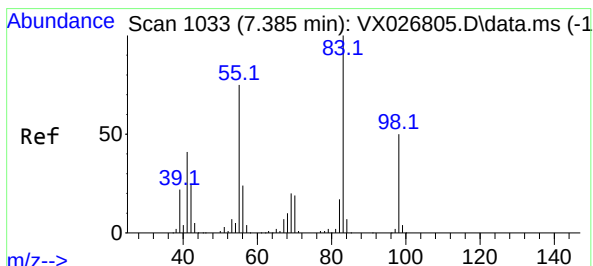
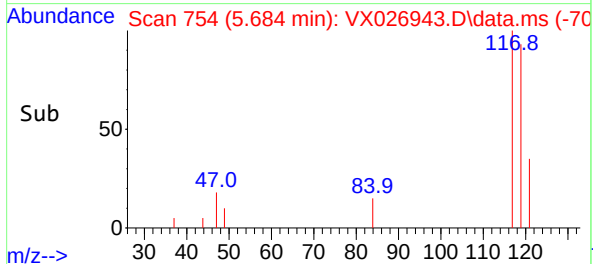
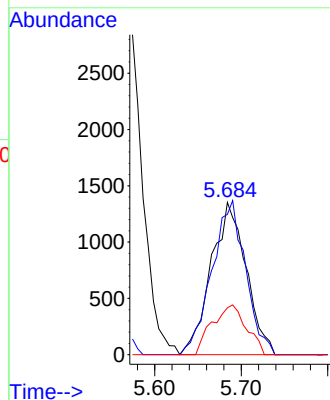
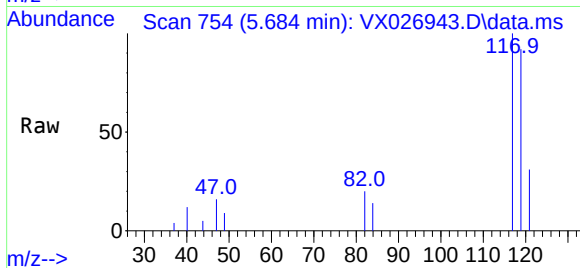




#38
Carbon Tetrachloride
Concen: 1.874 ug/l
RT: 5.684 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

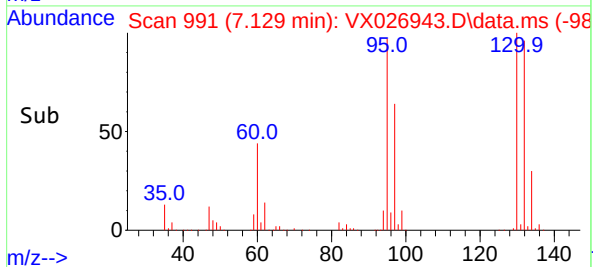
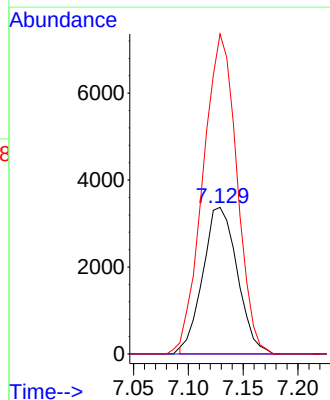
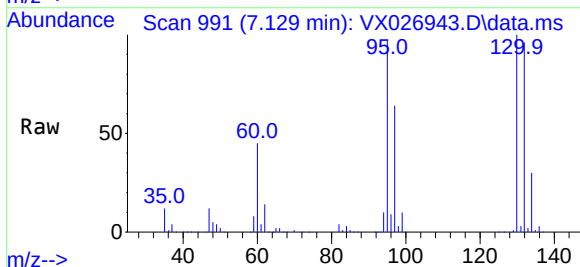
Instrument :
MSVOA_X
ClientSampleId :
RW7B-GW-20220209

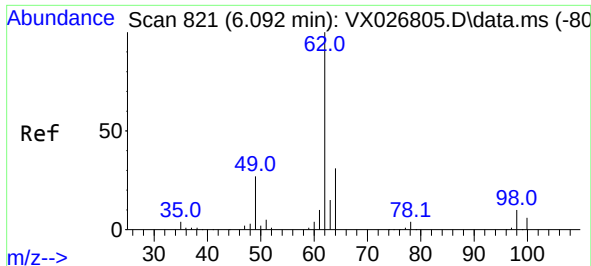
Tgt Ion:117 Resp: 3808
Ion Ratio Lower Upper
117 100
119 92.2 74.7 112.1
121 30.8 25.4 38.0



#39
Methylcyclohexane
Concen: 3.097 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Tgt Ion: 83 Resp: 7361
Ion Ratio Lower Upper
83 100
55 0.0 63.6 95.4#
98 218.4 38.4 57.6#

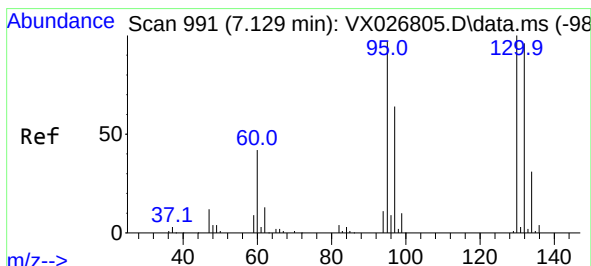
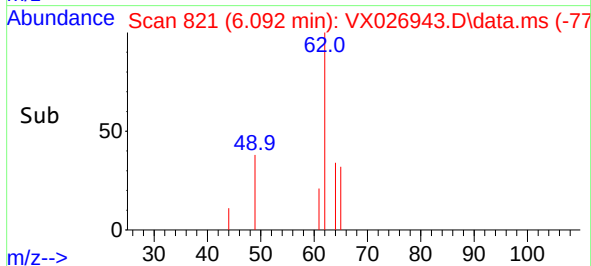
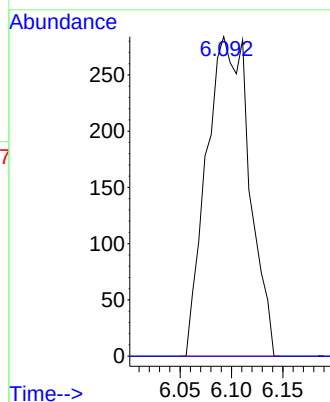
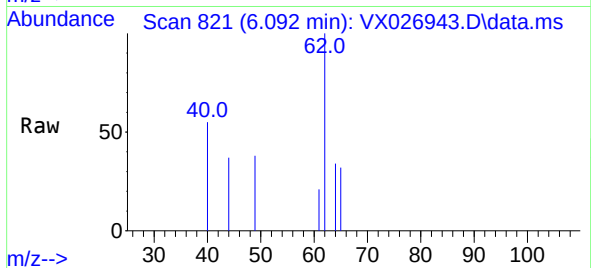




#42
1,2-Dichloroethane
Concen: 0.415 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

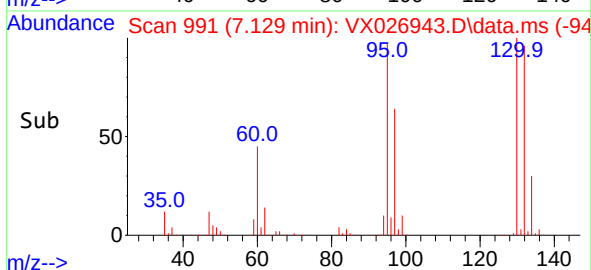
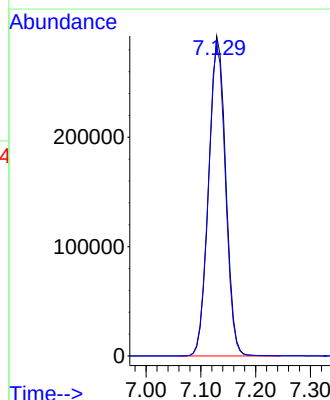
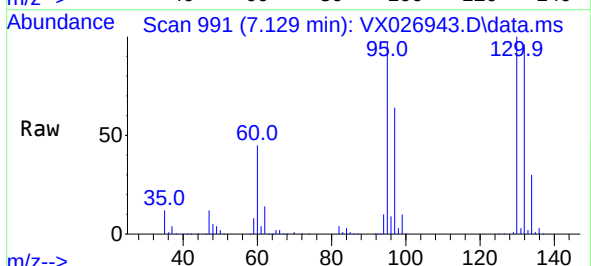
Instrument :
MSVOA_X
ClientSampleId :
RW7B-GW-20220209

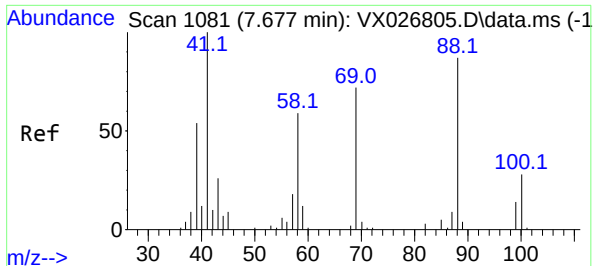
Tgt Ion: 62 Resp: 826
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.8



#44
Trichloroethene
Concen: 370.648 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Tgt Ion:130 Resp: 628666
Ion Ratio Lower Upper
130 100
95 97.0 0.0 202.6





#49

1,4-Dioxane

Concen: 13.892 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.019 min

Lab File: VX026943.D

Acq: 11 Feb 2022 01:12

Instrument :

MSVOA_X

ClientSampleId :

RW7B-GW-20220209

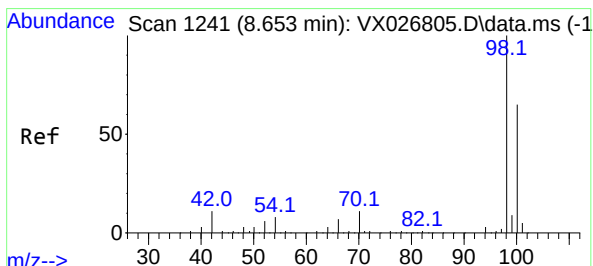
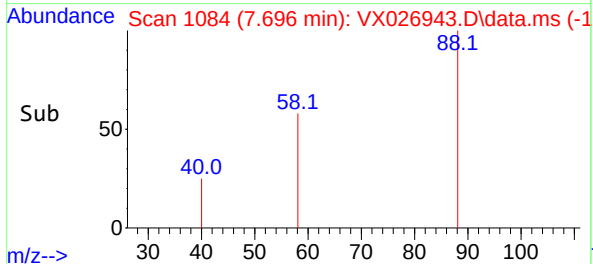
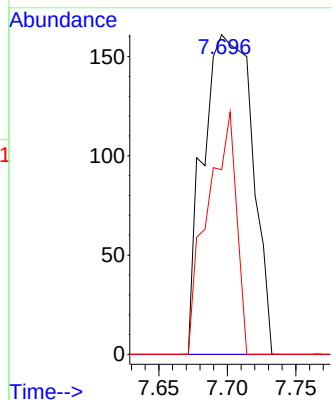
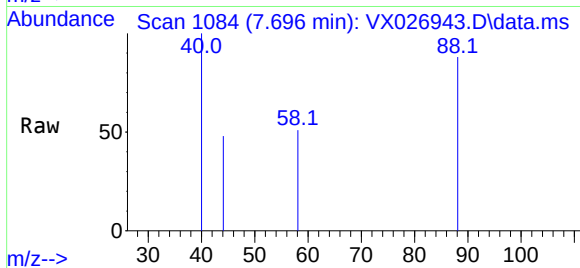
Tgt Ion: 88 Resp: 402

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

58 44.5 57.8 86.6#



#50

Toluene-d8

Concen: 53.947 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX026943.D

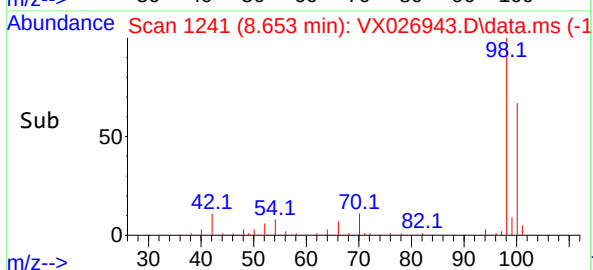
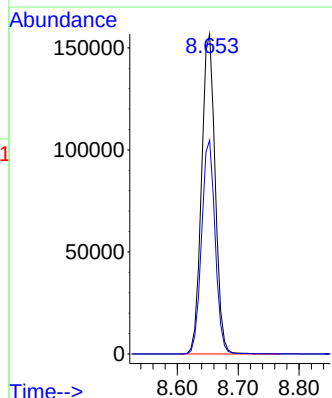
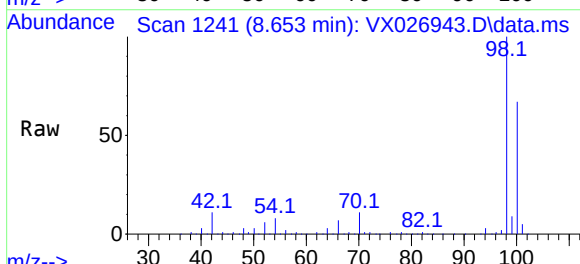
Acq: 11 Feb 2022 01:12

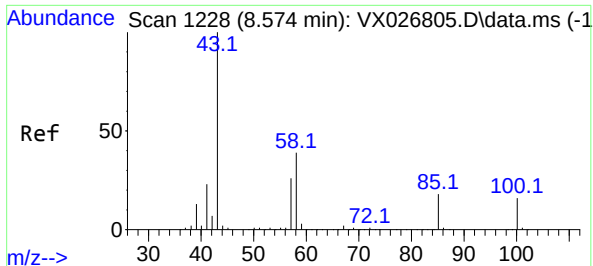
Tgt Ion: 98 Resp: 243296

Ion Ratio Lower Upper

98 100

100 66.5 53.2 79.8

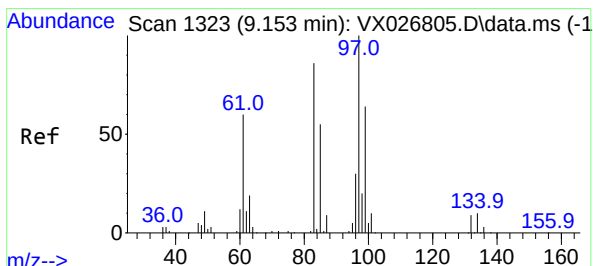
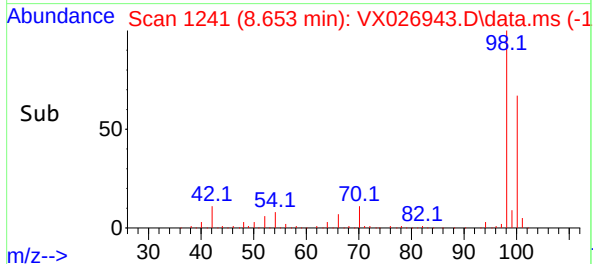
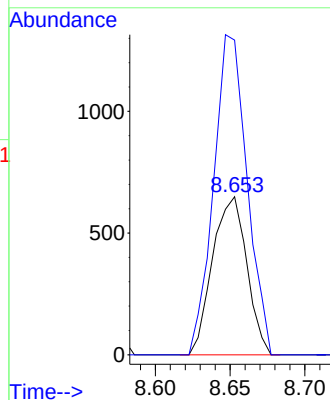
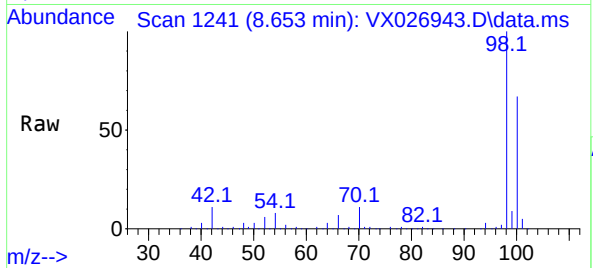




#51
4-Methyl-2-Pentanone
Concen: 0.503 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

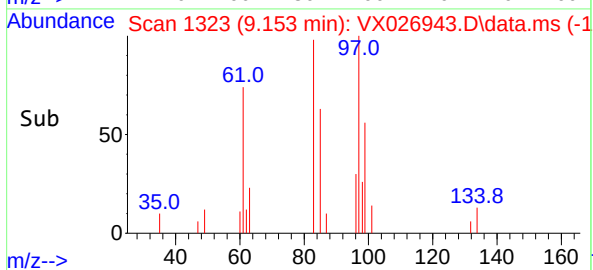
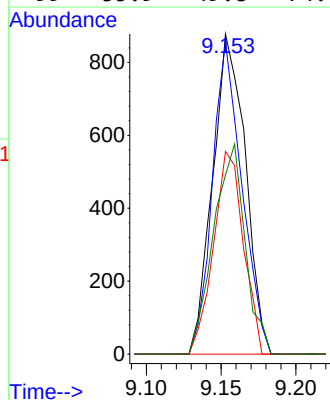
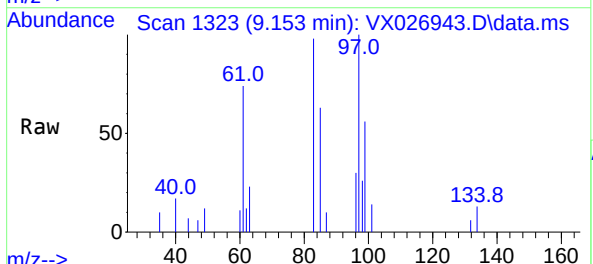
Instrument :
MSVOA_X
ClientSampleId :
RW7B-GW-20220209

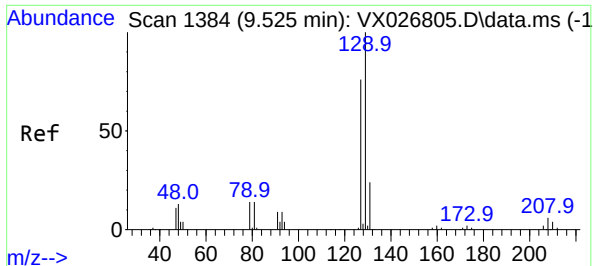
Tgt Ion: 43 Resp: 1033
Ion Ratio Lower Upper
43 100
58 198.2 30.5 45.7#



#55
1,1,2-Trichloroethane
Concen: 0.983 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Tgt Ion: 97 Resp: 1331
Ion Ratio Lower Upper
97 100
83 97.6 68.4 102.6
85 63.3 44.0 66.0
99 55.9 49.8 74.6

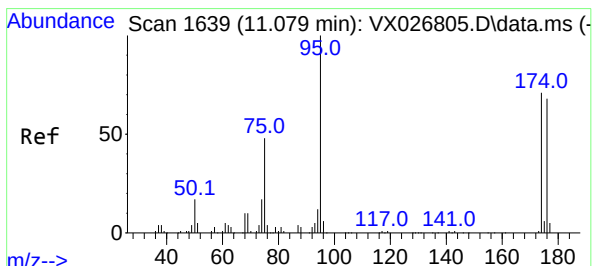
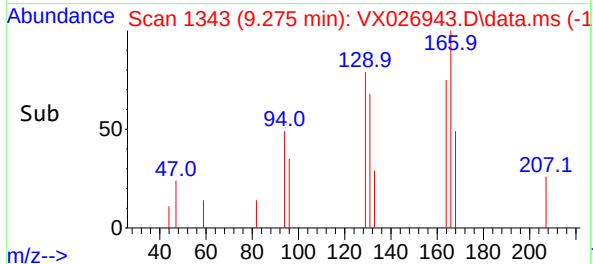
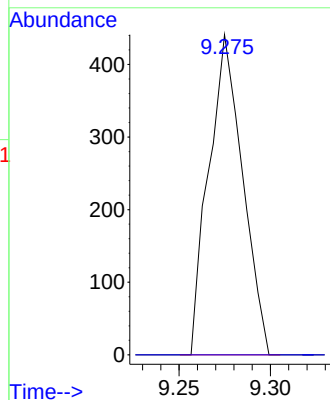
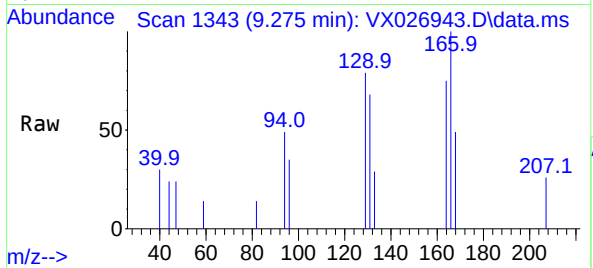




#60
Dibromochloromethane
Concen: 0.408 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

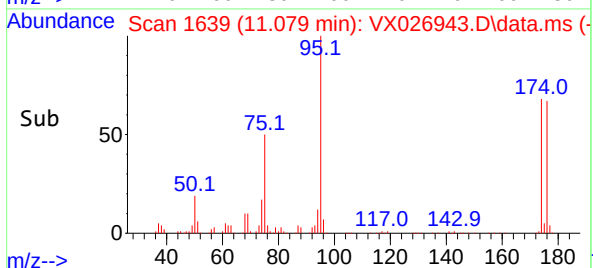
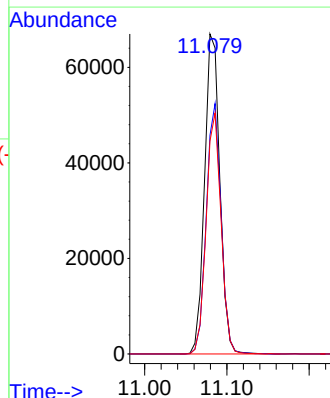
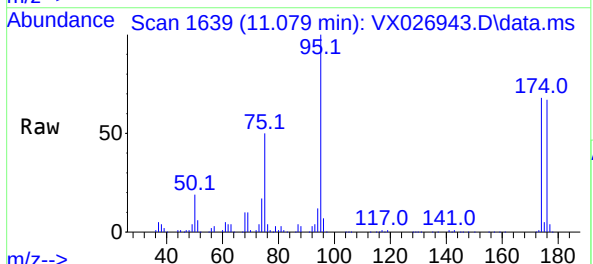
Instrument :
MSVOA_X
ClientSampleId :
RW7B-GW-20220209

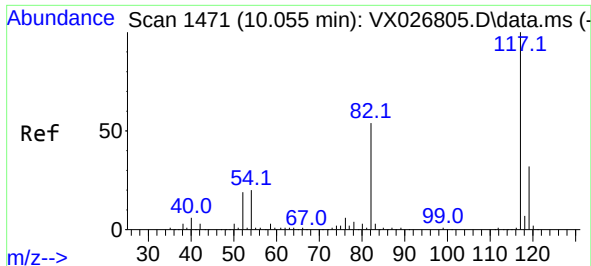
Tgt Ion:129 Resp: 568
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 54.462 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Tgt Ion: 95 Resp: 86474
Ion Ratio Lower Upper
95 100
174 75.9 0.0 148.6
176 73.4 0.0 141.4

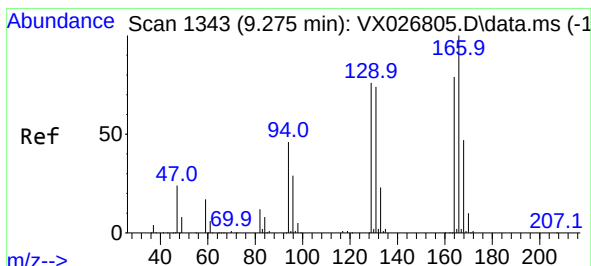
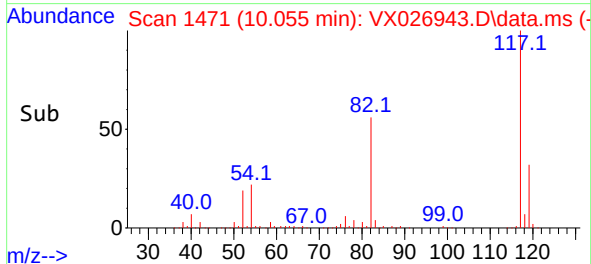
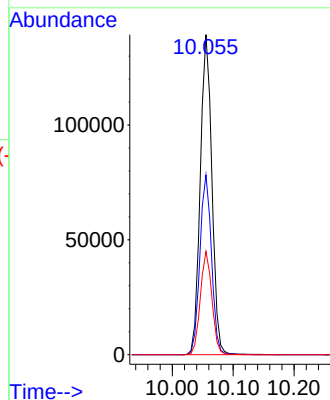
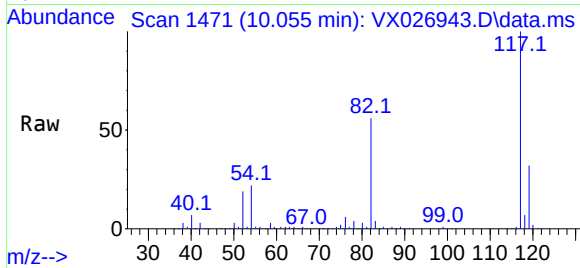




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

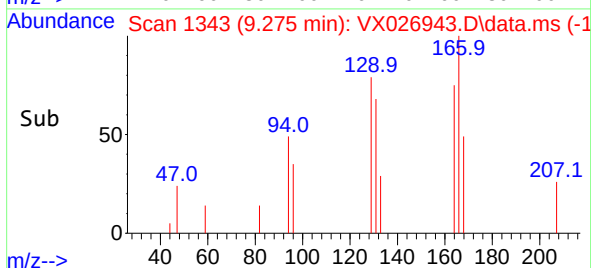
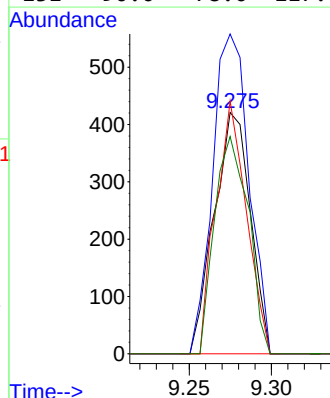
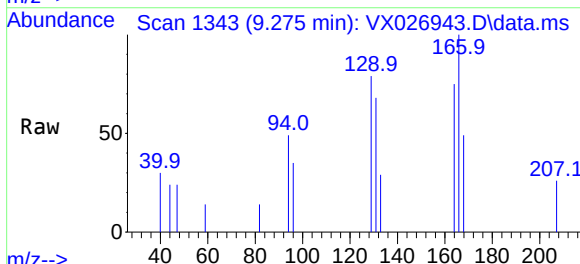
Instrument :
MSVOA_X
ClientSampleId :
RW7B-GW-20220209

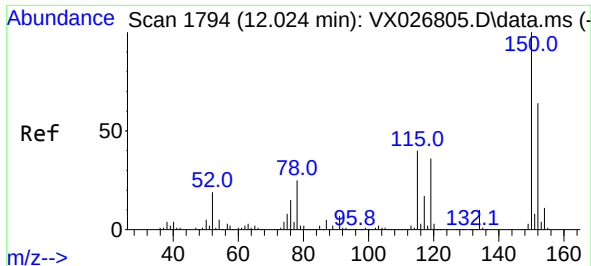
Tgt Ion:117 Resp: 185021
Ion Ratio Lower Upper
117 100
82 56.2 45.2 67.8
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 0.347 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Tgt Ion:164 Resp: 645
Ion Ratio Lower Upper
164 100
166 132.5 101.8 152.6
129 104.8 83.3 124.9
131 90.0 78.0 117.0

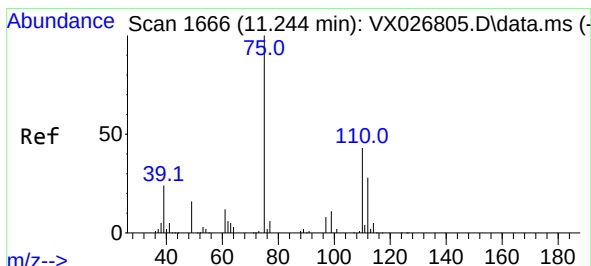
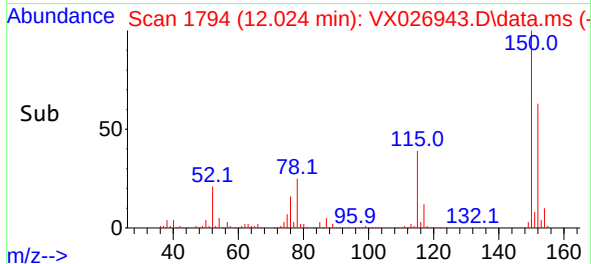
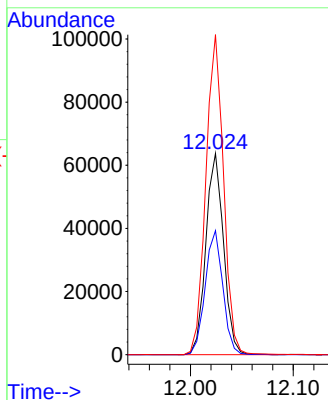
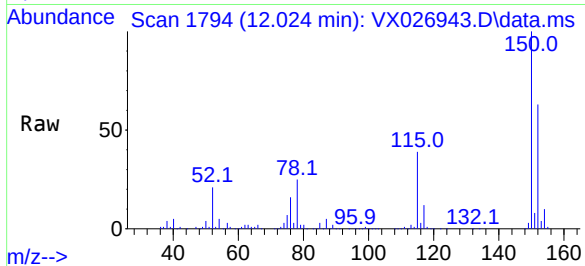




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

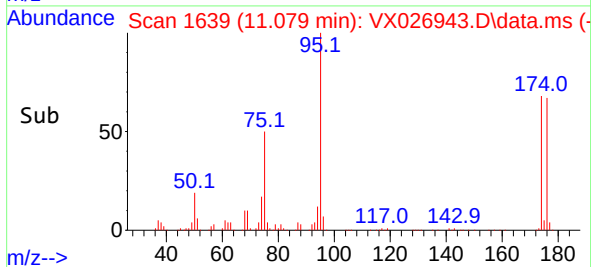
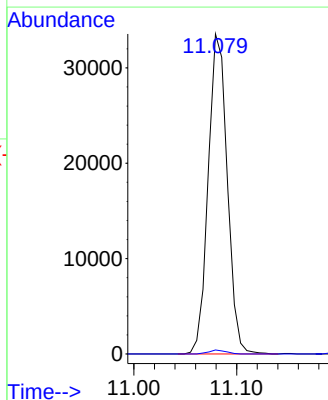
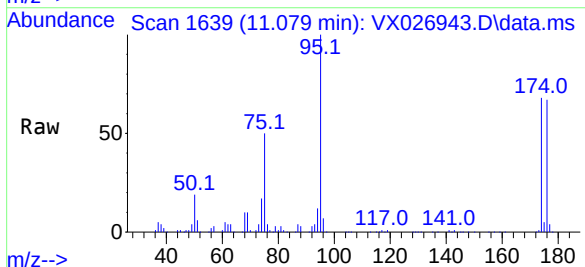
Instrument :
MSVOA_X
ClientSampleId :
RW7B-GW-20220209

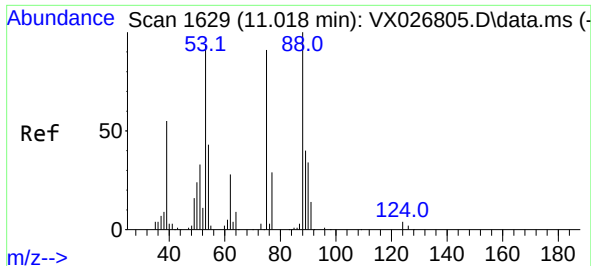
Tgt Ion:152 Resp: 76456
Ion Ratio Lower Upper
152 100
115 61.5 44.2 132.6
150 159.1 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 25.886 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Tgt Ion: 75 Resp: 43325
Ion Ratio Lower Upper
75 100
77 1.1 18.3 54.8#

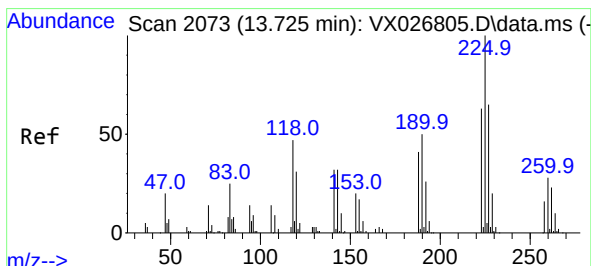
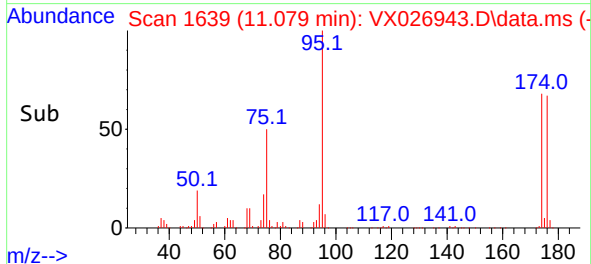
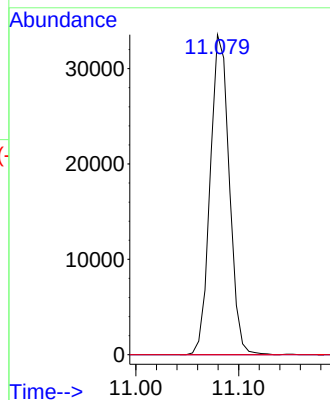
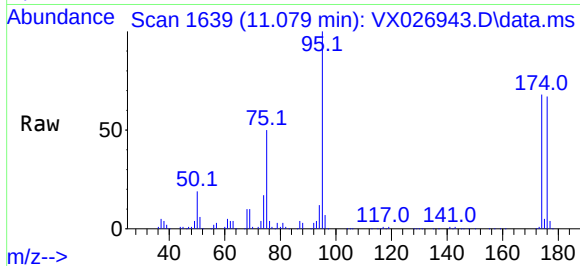




#81
trans-1,4-Dichloro-2-butene
Concen: 78.839 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Instrument :
MSVOA_X
ClientSampleId :
RW7B-GW-20220209

Tgt Ion: 75 Resp: 43325
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#94
Hexachlorobutadiene
Concen: 0.222 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX026943.D
Acq: 11 Feb 2022 01:12

Tgt Ion: 225 Resp: 150
Ion Ratio Lower Upper
225 100
223 71.3 32.0 96.0
227 50.7 32.3 96.9

