

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033021\
 Data File : VX021668.D
 Acq On : 31 Mar 2021 06:55
 Operator : JC/MD
 Sample : M1842-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20210323

Quant Time: Mar 31 07:24:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

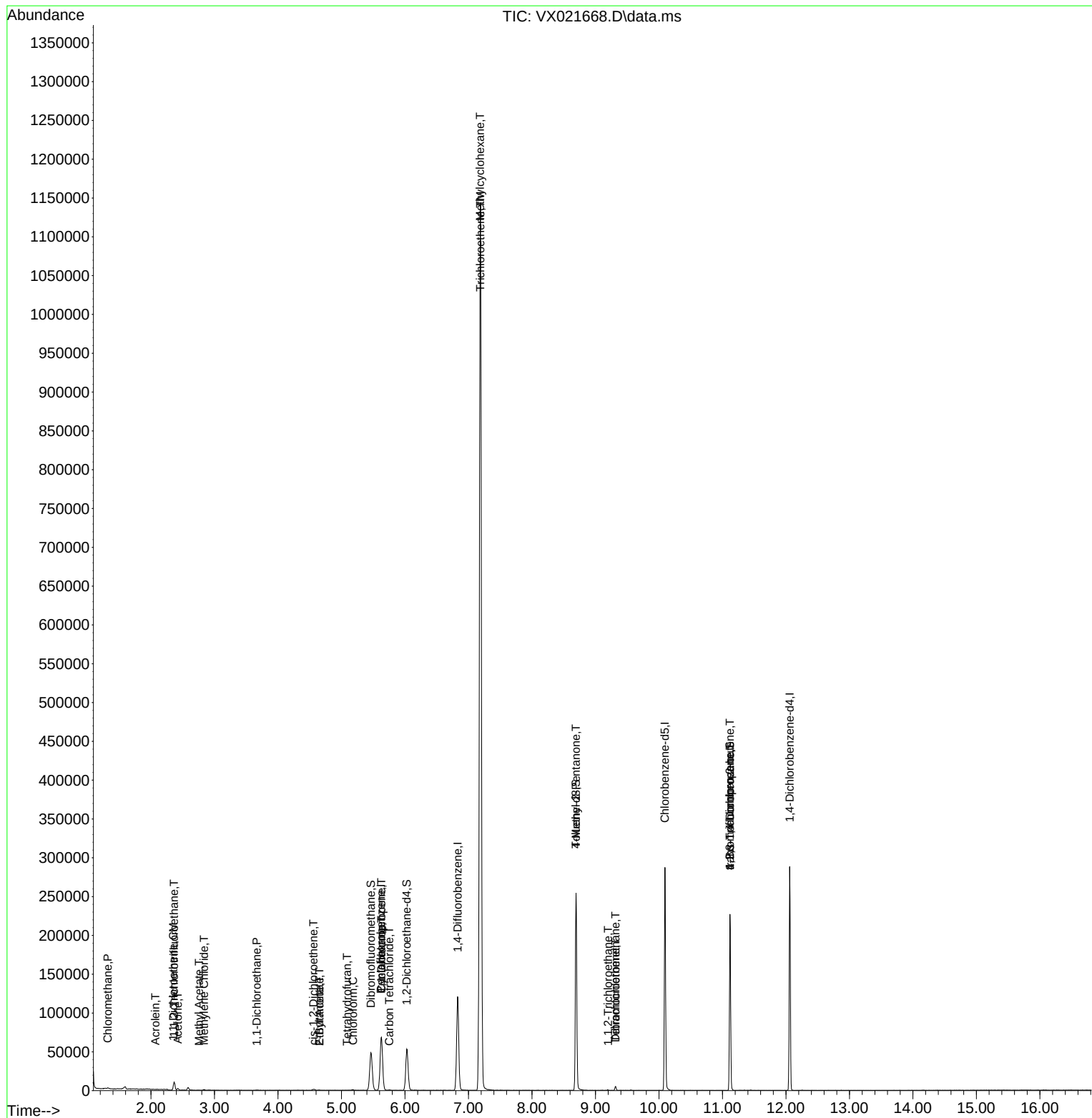
Internal Standards						
1) Pentafluorobenzene	5.623	168	60385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	110821	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	117414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	52706	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	52938	52.69	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.38%	
35) Dibromofluoromethane	5.464	113	40617	51.60	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.20%	
50) Toluene-d8	8.694	98	142530	50.81	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.62%	
62) 4-Bromofluorobenzene	11.118	95	57412	52.64	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.28%	
Target Compounds						Qvalue
3) Chloromethane	1.316	50	1408	1.89	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.363	101	3834	6.17	ug/l	93
12) 1,1-Dichloroethene	2.352	96	259	0.43	ug/l #	83
13) Acrolein	2.069	56	21	4.54	ug/l #	70
16) Acetone	2.422	43	2031	5.35	ug/l	94
18) Methyl Acetate	2.758	43	253	0.23	ug/l #	47
20) Methylene Chloride	2.834	84	271	0.37	ug/l #	79
24) 1,1-Dichloroethane	3.664	63	449	0.35	ug/l #	81
25) 2-Butanone	4.652	43	292	0.51	ug/l #	45
27) cis-1,2-Dichloroethene	4.558	96	793	1.02	ug/l	94
29) Tetrahydrofuran	5.087	42	77	0.21	ug/l #	27
30) Chloroform	5.181	83	762	0.56	ug/l	99
31) Cyclohexane	5.629	56	1819	1.65	ug/l #	52
36) 1,1-Dichloropropene	5.629	75	5159	4.75	ug/l #	47
37) Ethyl Acetate	4.652	43	292	0.23	ug/l #	64
38) Carbon Tetrachloride	5.752	117	414	0.35	ug/l #	81
39) Methylcyclohexane	7.182	83	5297	4.40	ug/l #	1
44) Trichloroethene	7.188	130	409008	502.65	ug/l	94
51) 4-Methyl-2-Pentanone	8.694	43	815	0.65	ug/l #	1
55) 1,1,2-Trichloroethane	9.200	97	184	0.23	ug/l #	86
60) Dibromochloromethane	9.317	129	850	0.94	ug/l #	11
64) Tetrachloroethene	9.317	164	872	1.11	ug/l	95
76) 1,2,3-Trichloropropane	11.118	75	31816	25.93	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31816	78.98	ug/l #	12

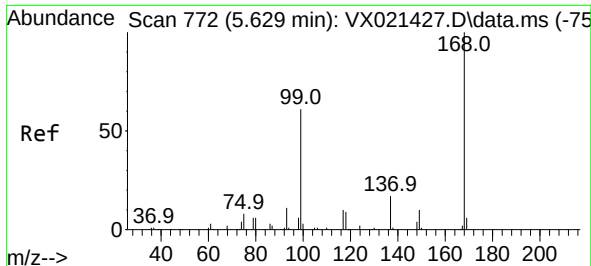
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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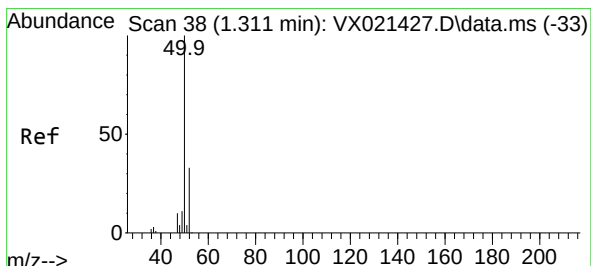
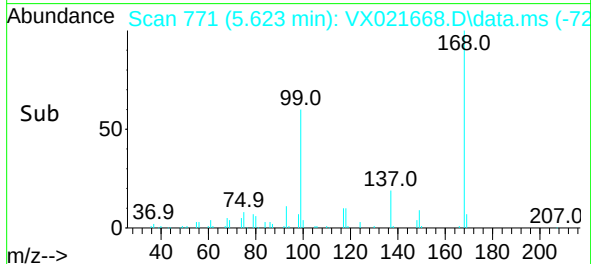
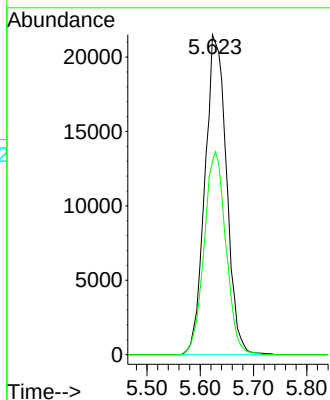
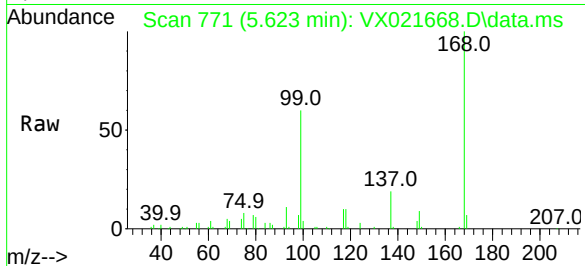




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.006 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

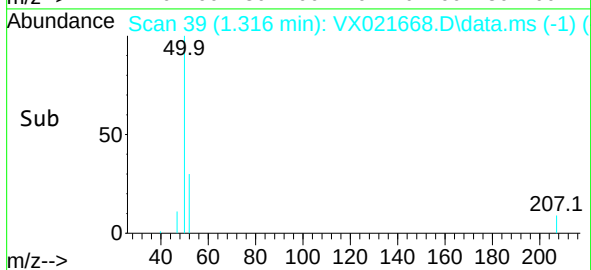
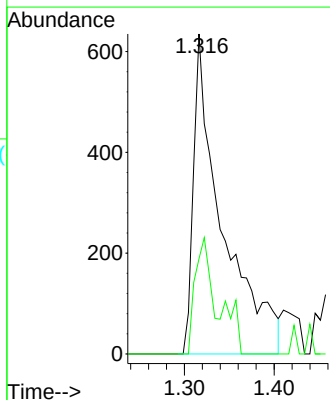
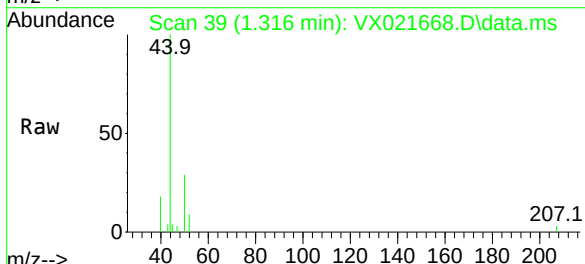
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210323

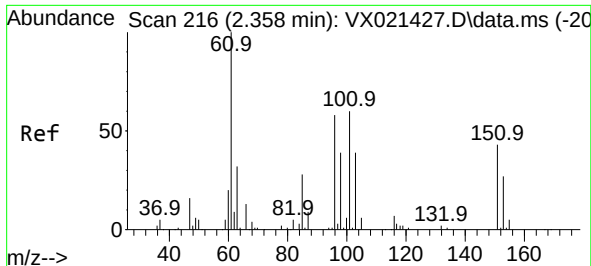
Tgt Ion:168 Resp: 60385
Ion Ratio Lower Upper
168 100
99 60.4 45.8 68.6



#3
Chloromethane
Concen: 1.89 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

Tgt Ion: 50 Resp: 1408
Ion Ratio Lower Upper
50 100
52 29.8 26.4 39.6

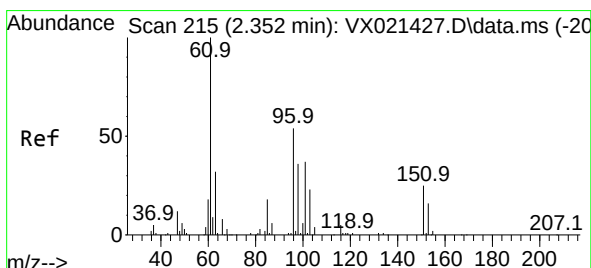
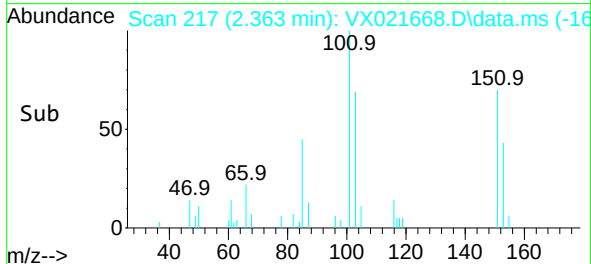
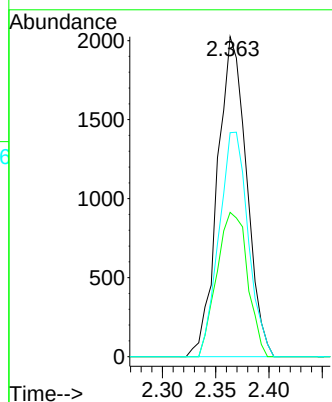
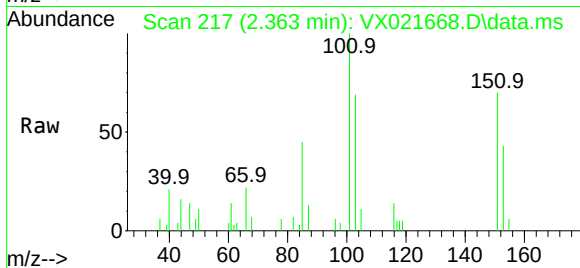




#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.17 ug/l
RT: 2.363 min Scan# 217
Delta R.T. 0.005 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

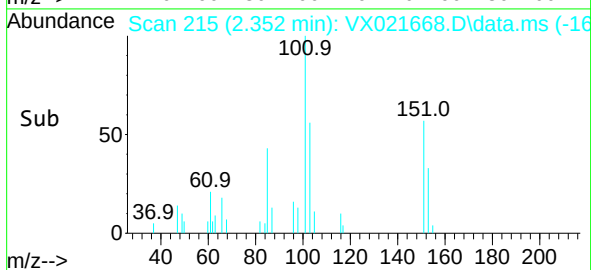
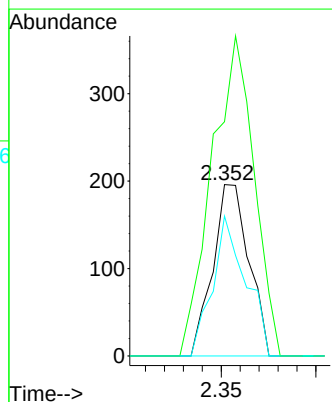
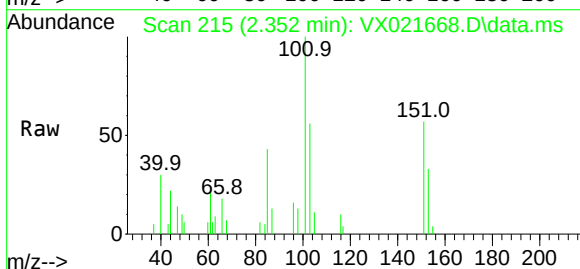
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210323

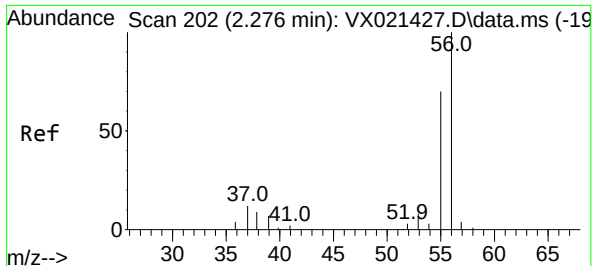
Tgt Ion:101 Resp: 3834
Ion Ratio Lower Upper
101 100
85 47.7 34.9 52.3
151 70.3 61.4 92.2



#12
1,1-Dichloroethene
Concen: 0.43 ug/l
RT: 2.352 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

Tgt Ion: 96 Resp: 259
Ion Ratio Lower Upper
96 100
61 136.7 124.6 187.0
98 81.6 50.6 76.0#

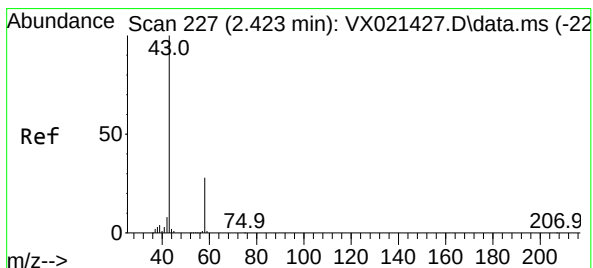
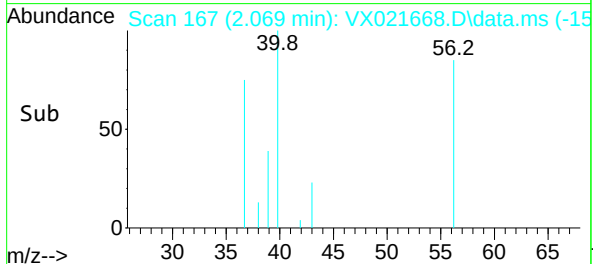
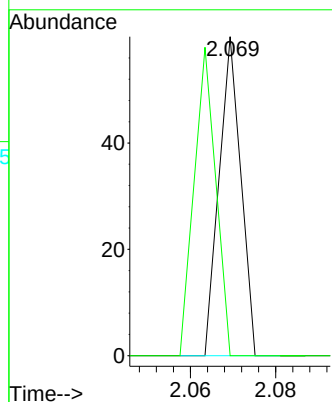
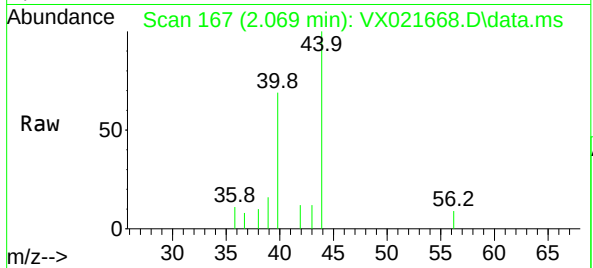




#13
Acrolein
Concen: 4.54 ug/l
RT: 2.069 min Scan# 167
Delta R.T. -0.207 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

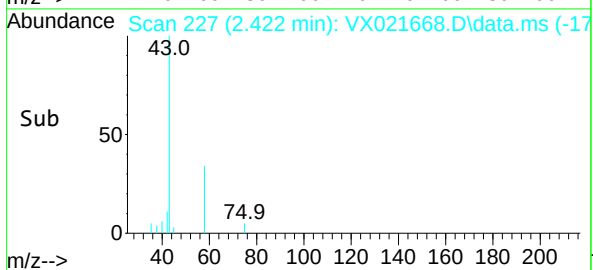
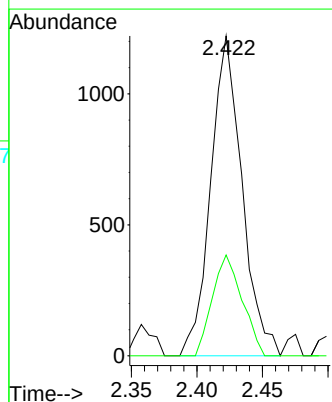
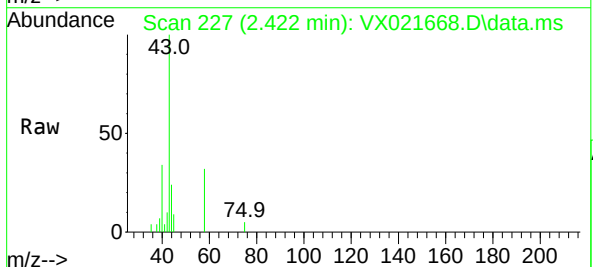
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210323

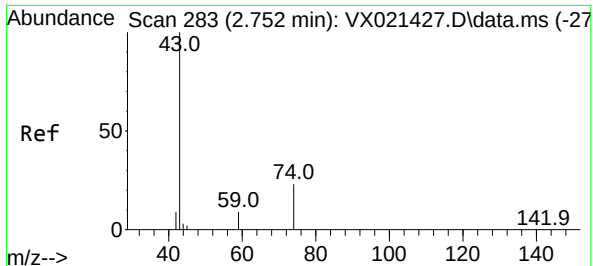
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 95.2 56.4 84.6#



#16
Acetone
Concen: 5.35 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

Tgt Ion: 43 Resp: 2031
Ion Ratio Lower Upper
43 100
58 31.5 27.8 41.8





#18

Methyl Acetate

Concen: 0.23 ug/l

RT: 2.758 min Scan# 284

Delta R.T. 0.006 min

Lab File: VX021668.D

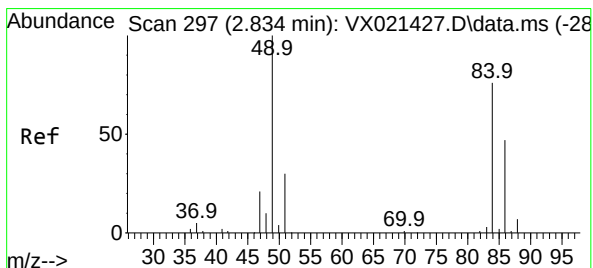
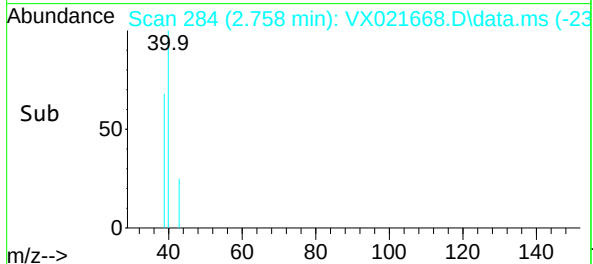
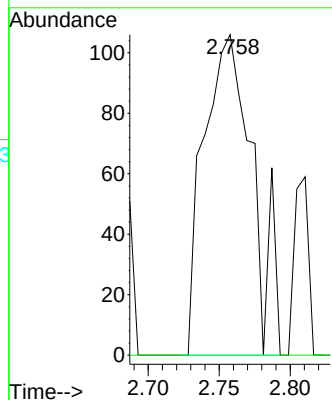
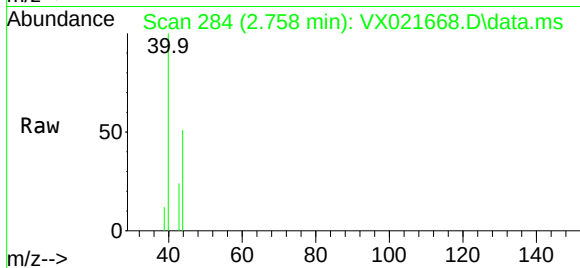
Acq: 31 Mar 2021 06:55

Tgt Ion: 43 Resp: 253

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#20

Methylene Chloride

Concen: 0.37 ug/l

RT: 2.834 min Scan# 297

Delta R.T. 0.000 min

Lab File: VX021668.D

Acq: 31 Mar 2021 06:55

Tgt Ion: 84 Resp: 271

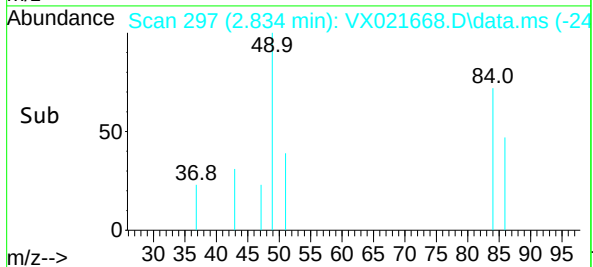
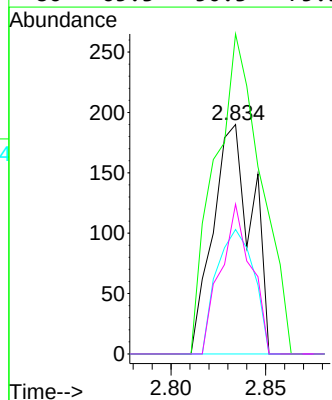
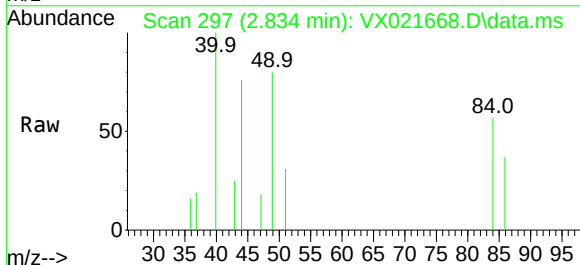
Ion Ratio Lower Upper

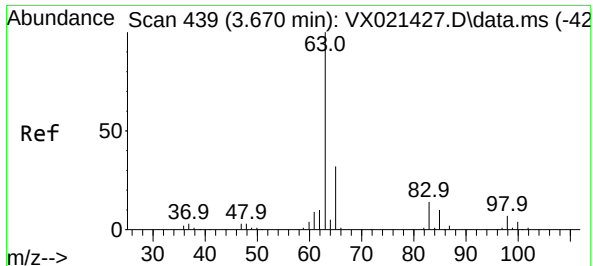
84 100

49 139.5 88.6 132.8#

51 54.2 27.0 40.6#

86 65.3 50.3 75.5

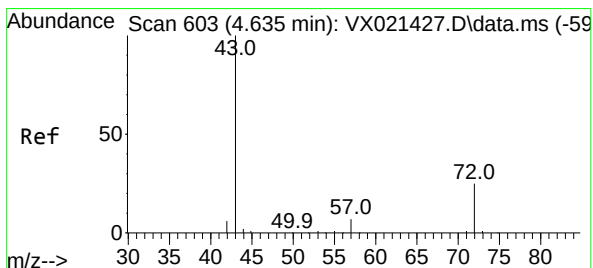
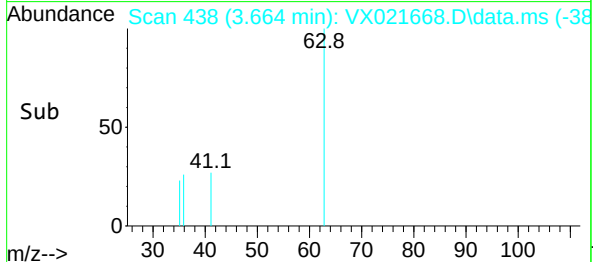
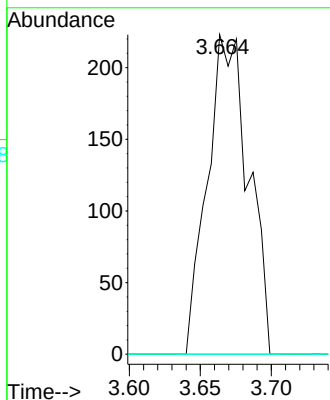
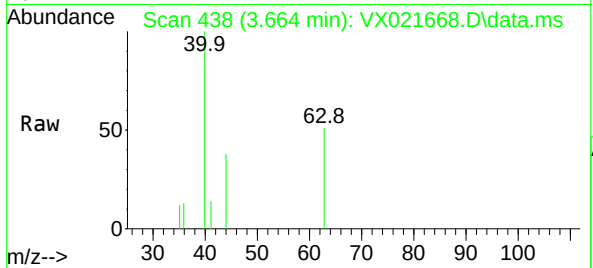




#24
1,1-Dichloroethane
Concen: 0.35 ug/l
RT: 3.664 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

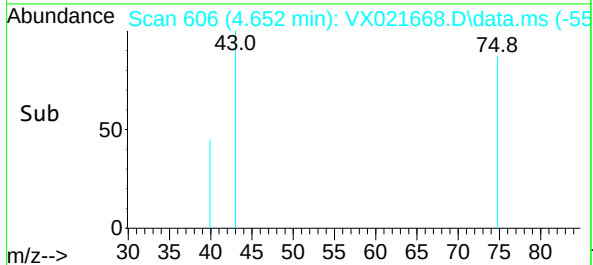
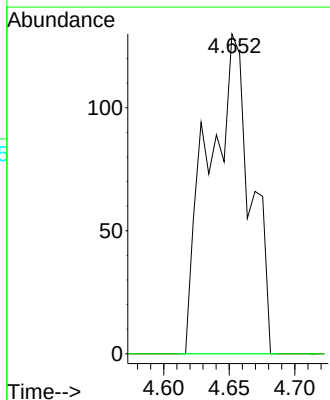
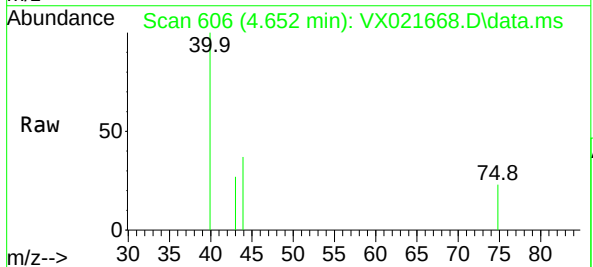
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210323

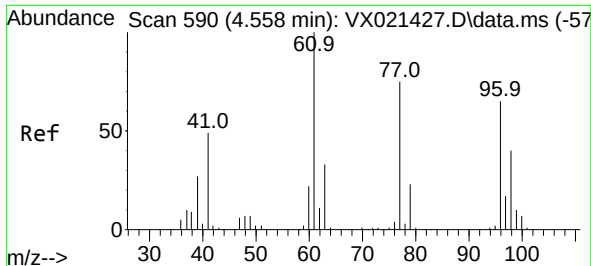
Tgt Ion: 63 Resp: 449
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 0.51 ug/l
RT: 4.652 min Scan# 606
Delta R.T. 0.017 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

Tgt Ion: 43 Resp: 292
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 1.02 ug/l

RT: 4.558 min Scan# 590

Delta R.T. -0.000 min

Lab File: VX021668.D

Acq: 31 Mar 2021 06:55

Tgt Ion: 96 Resp: 793

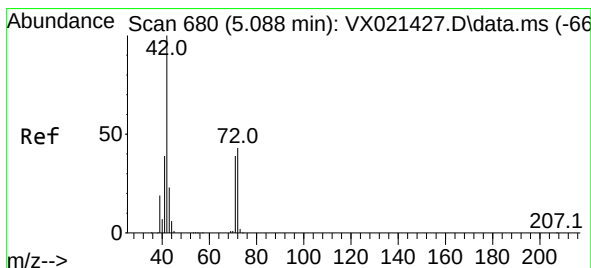
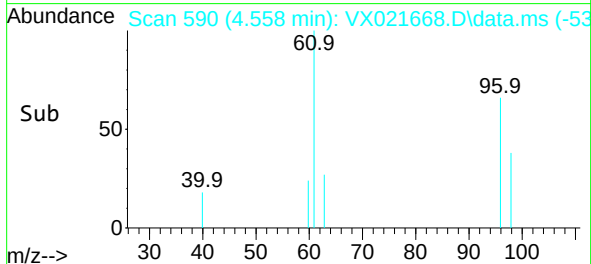
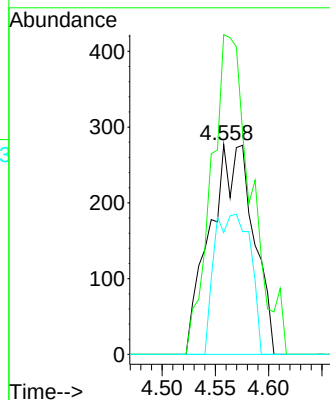
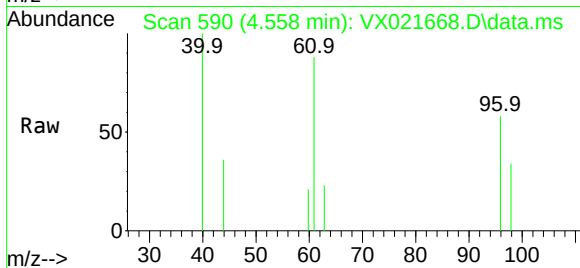
Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	285.6
98	54.9	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20210323



#29

Tetrahydrofuran

Concen: 0.21 ug/l

RT: 5.087 min Scan# 680

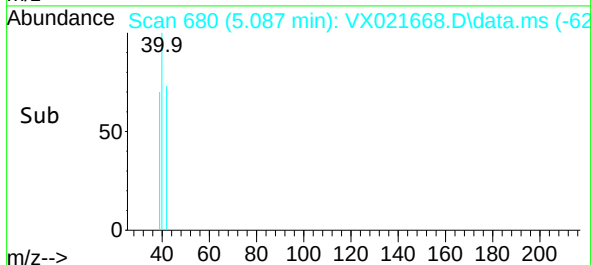
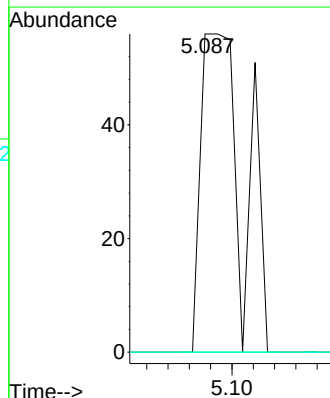
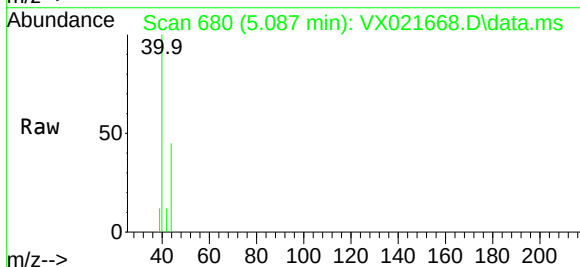
Delta R.T. -0.001 min

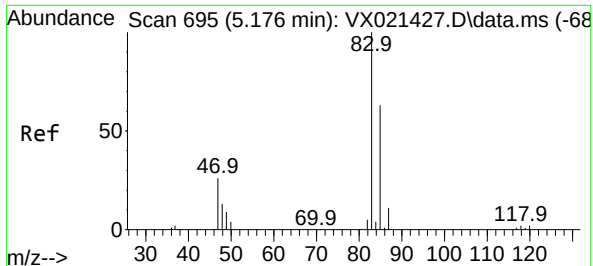
Lab File: VX021668.D

Acq: 31 Mar 2021 06:55

Tgt Ion: 42 Resp: 77

Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#





#30

Chloroform

Concen: 0.56 ug/l

RT: 5.181 min Scan# 696

Delta R.T. 0.005 min

Lab File: VX021668.D

Acq: 31 Mar 2021 06:55

Instrument :

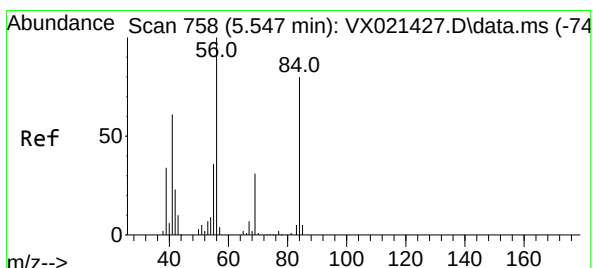
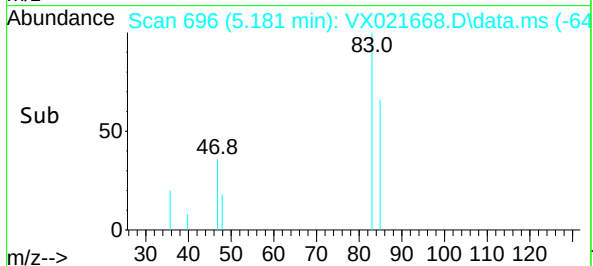
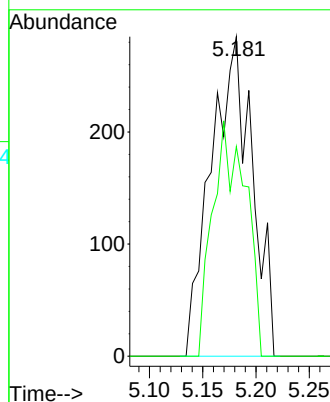
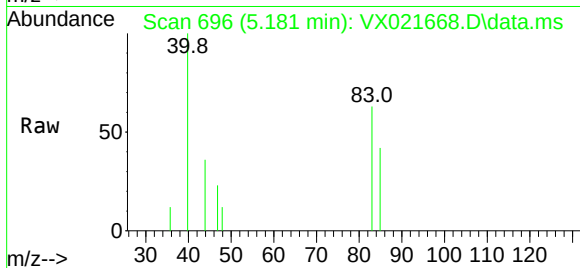
MSVOA_X

ClientSampleId :

RE103D3-20210323

Tgt Ion: 83 Resp: 762

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.0	78.0



#31

Cyclohexane

Concen: 1.65 ug/l

RT: 5.629 min Scan# 772

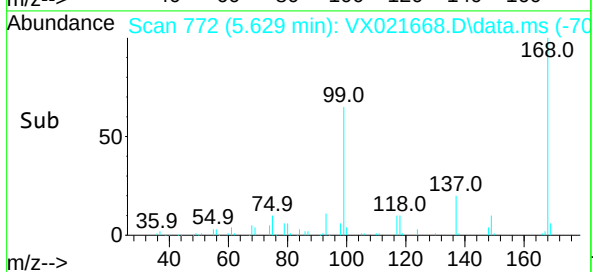
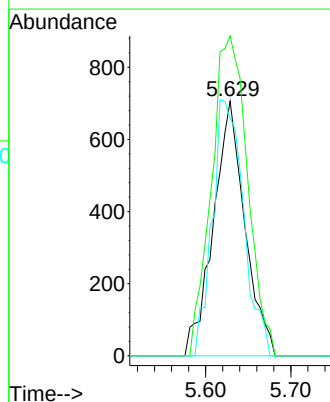
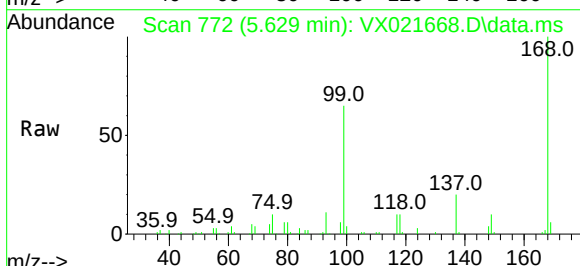
Delta R.T. 0.082 min

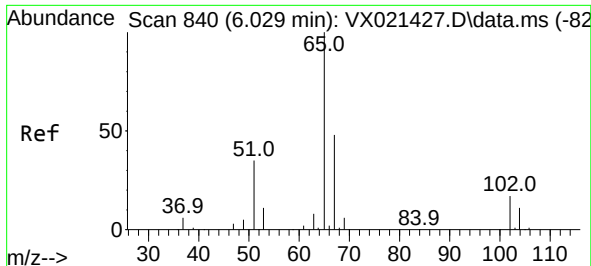
Lab File: VX021668.D

Acq: 31 Mar 2021 06:55

Tgt Ion: 56 Resp: 1819

Ion	Ratio	Lower	Upper
56	100		
69	125.6	25.3	37.9#
84	93.3	71.4	107.0

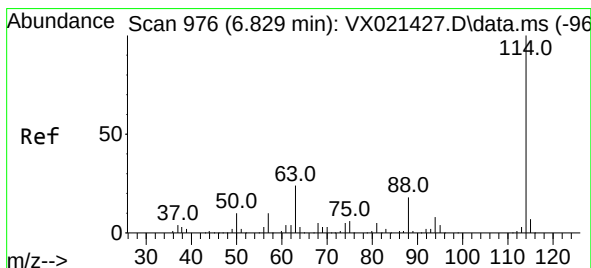
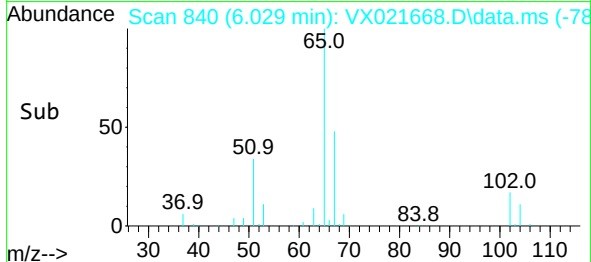
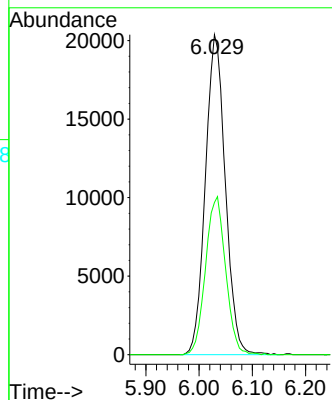
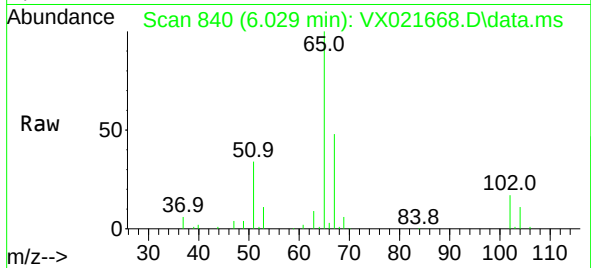




#33
 1,2-Dichloroethane-d4
 Concen: 52.69 ug/l
 RT: 6.029 min Scan# 840
 Delta R.T. -0.000 min
 Lab File: VX021668.D
 Acq: 31 Mar 2021 06:55

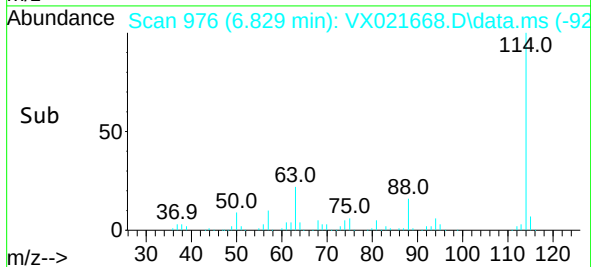
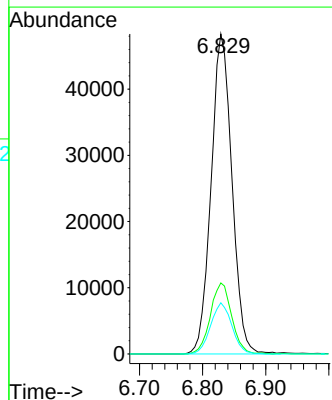
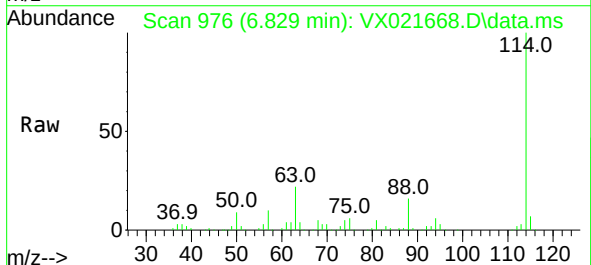
Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20210323

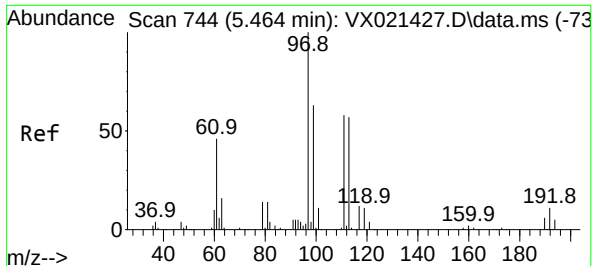
Tgt Ion: 65 Resp: 52938
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.829 min Scan# 976
 Delta R.T. -0.000 min
 Lab File: VX021668.D
 Acq: 31 Mar 2021 06:55

Tgt Ion: 114 Resp: 110821
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 40.8
 88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.60 ug/l

RT: 5.464 min Scan# 744

Delta R.T. -0.000 min

Lab File: VX021668.D

Acq: 31 Mar 2021 06:55

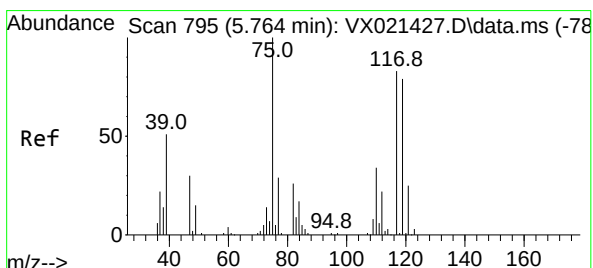
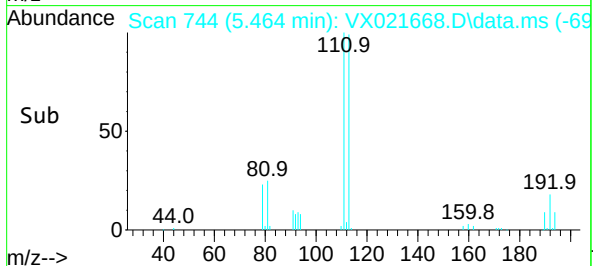
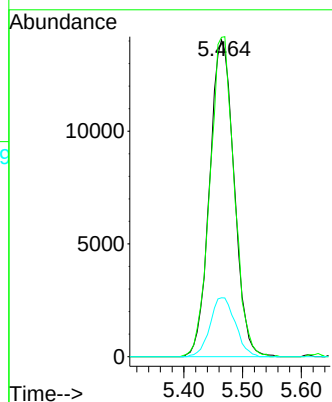
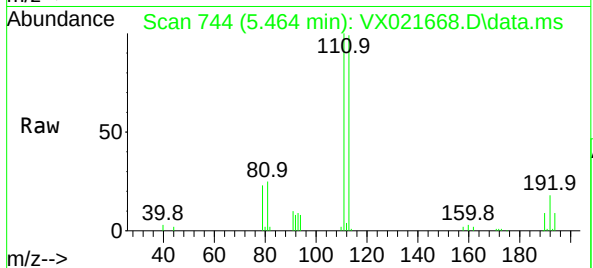
Tgt Ion:113 Resp: 40617

Ion Ratio Lower Upper

113 100

111 100.1 81.9 122.9

192 19.2 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.75 ug/l

RT: 5.629 min Scan# 772

Delta R.T. -0.135 min

Lab File: VX021668.D

Acq: 31 Mar 2021 06:55

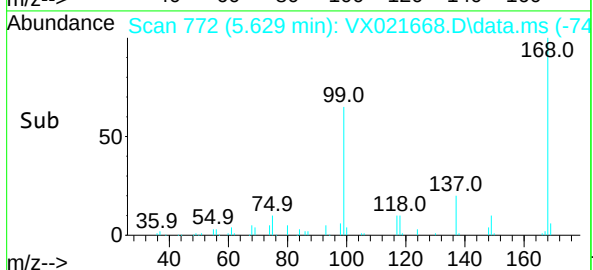
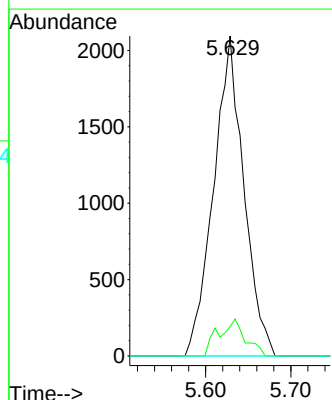
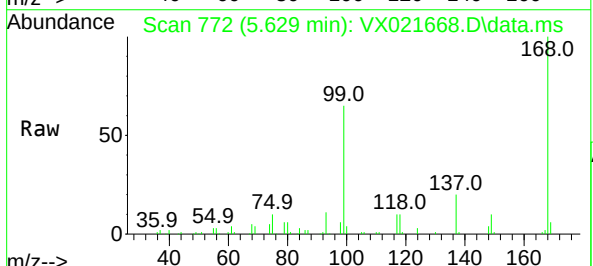
Tgt Ion: 75 Resp: 5159

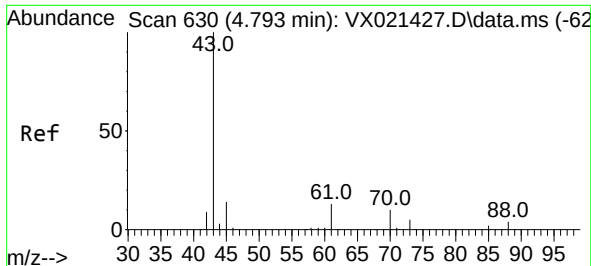
Ion Ratio Lower Upper

75 100

110 7.3 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.23 ug/l

RT: 4.652 min Scan# 606

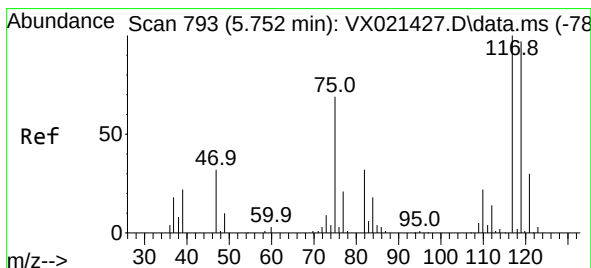
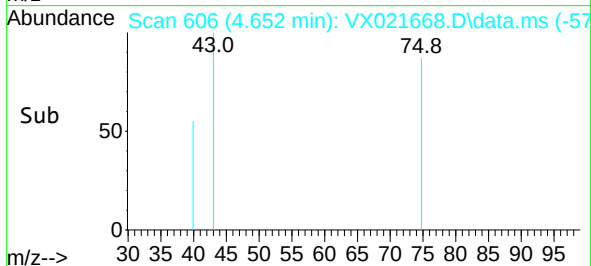
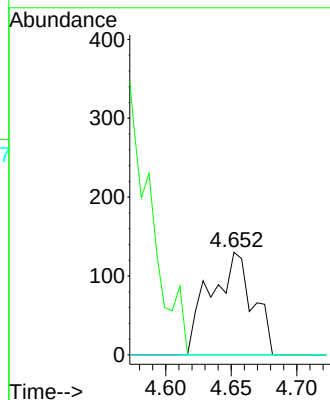
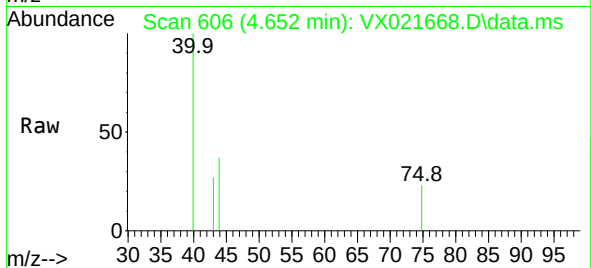
Delta R.T. -0.141 min

Lab File: VX021668.D

Acq: 31 Mar 2021 06:55

Tgt Ion: 43	Resp:	292
Ion Ratio	Lower	Upper
43	100	
61	0.0	12.8
70	0.0	10.5
		15.7#

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210323



#38

Carbon Tetrachloride

Concen: 0.35 ug/l

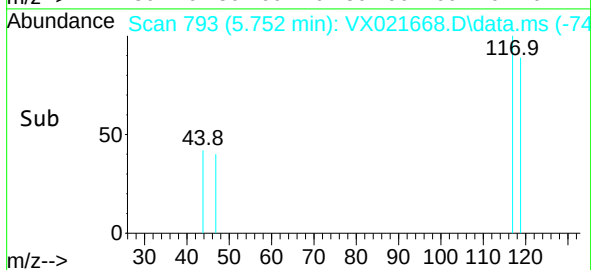
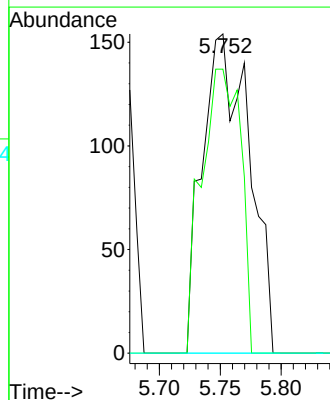
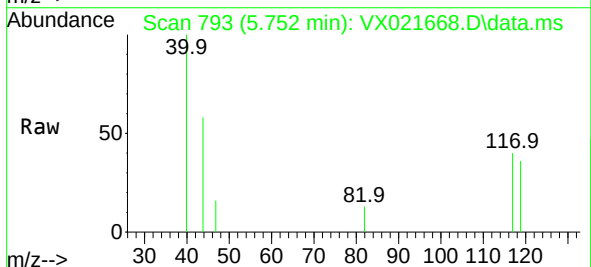
RT: 5.752 min Scan# 793

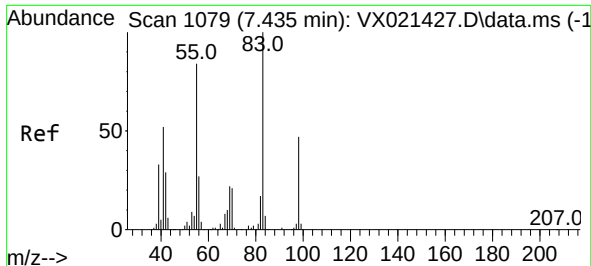
Delta R.T. 0.000 min

Lab File: VX021668.D

Acq: 31 Mar 2021 06:55

Tgt Ion: 117	Resp:	414
Ion Ratio	Lower	Upper
117	100	
119	89.0	76.2
121	0.0	24.8
		37.2#





#39

Methylcyclohexane

Concen: 4.40 ug/l

RT: 7.182 min Scan# 1036

Delta R.T. -0.253 min

Lab File: VX021668.D

Acq: 31 Mar 2021 06:55

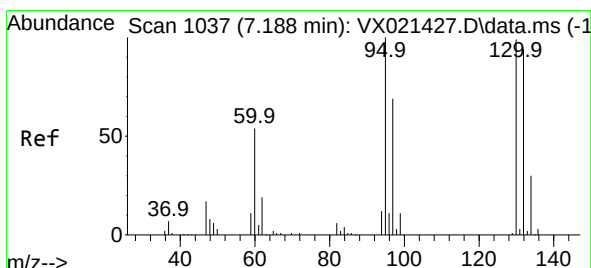
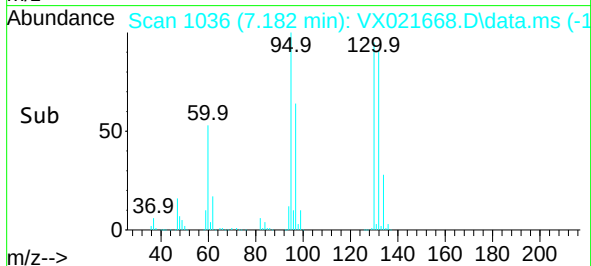
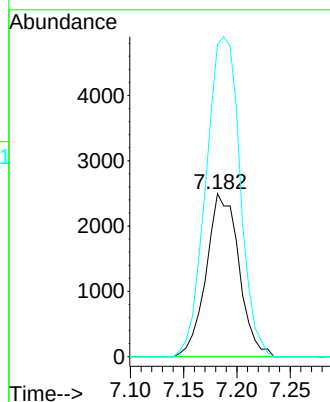
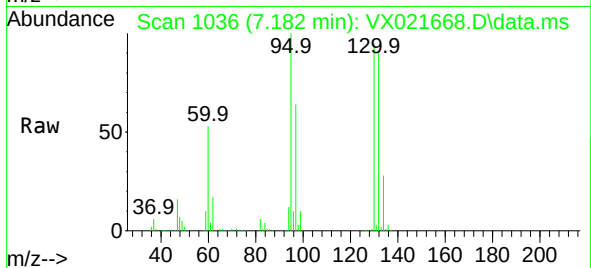
Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20210323

Tgt Ion: 83	Resp: 5297
Ion Ratio	Lower Upper
83 100	
55 0.0	58.9 88.3#
98 191.4	38.1 57.1#



#44

Trichloroethene

Concen: 502.65 ug/l

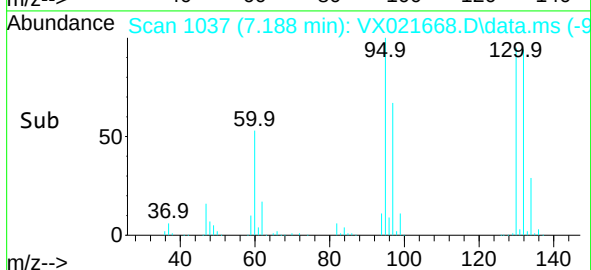
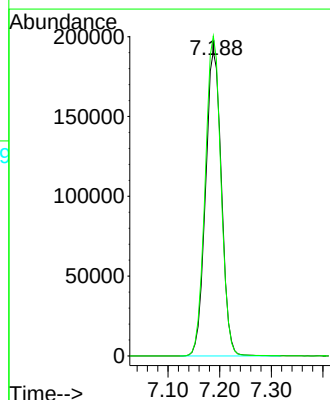
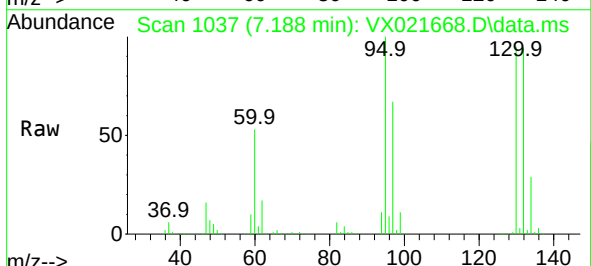
RT: 7.188 min Scan# 1037

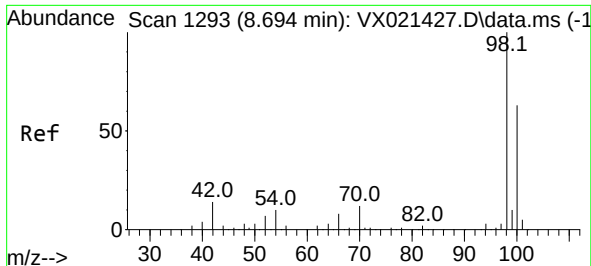
Delta R.T. -0.000 min

Lab File: VX021668.D

Acq: 31 Mar 2021 06:55

Tgt Ion: 130	Resp: 409008
Ion Ratio	Lower Upper
130 100	
95 105.1	0.0 198.0





#50

Toluene-d8

Concen: 50.81 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. -0.000 min

Lab File: VX021668.D

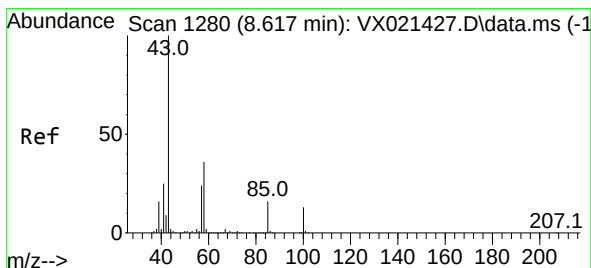
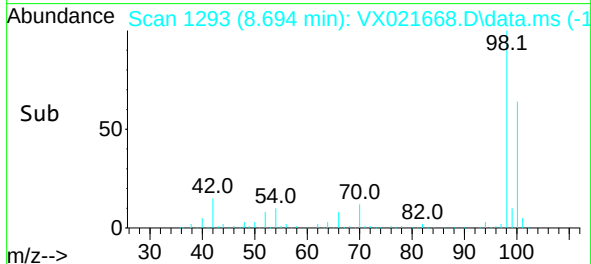
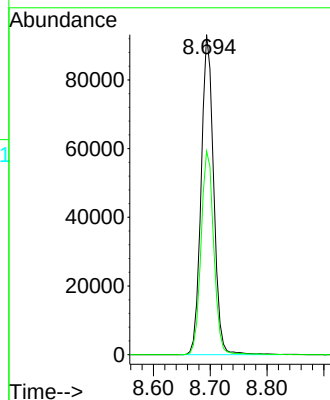
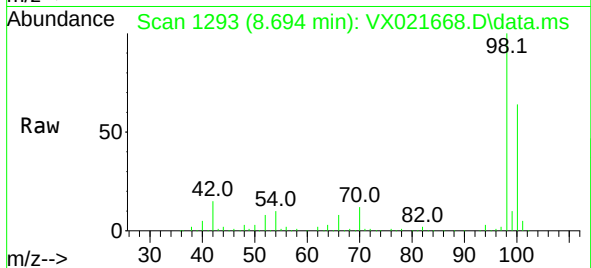
Acq: 31 Mar 2021 06:55

Tgt Ion: 98 Resp: 142530

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.65 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.077 min

Lab File: VX021668.D

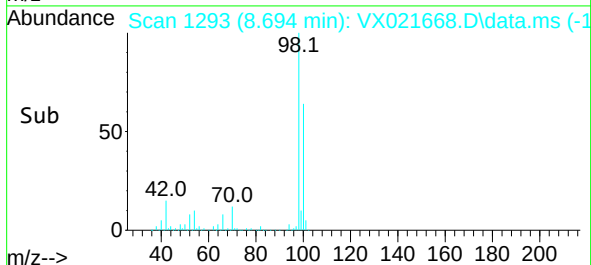
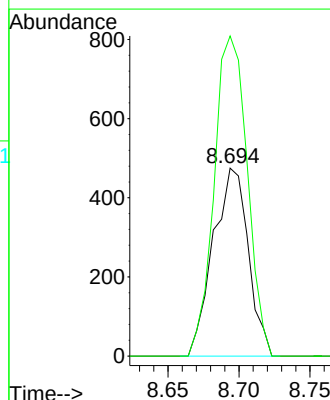
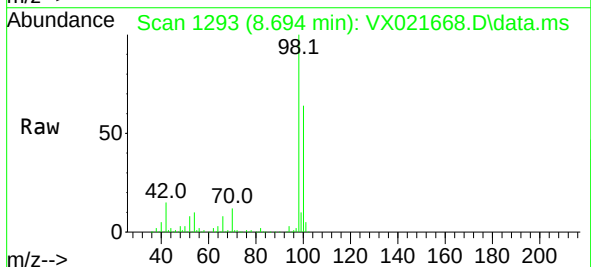
Acq: 31 Mar 2021 06:55

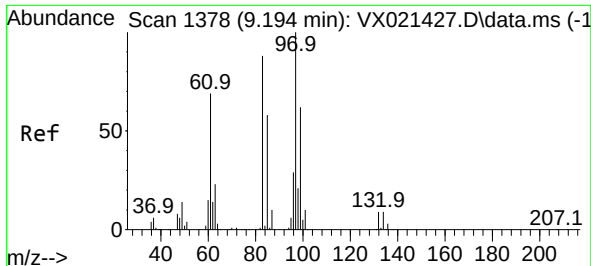
Tgt Ion: 43 Resp: 815

Ion Ratio Lower Upper

43 100

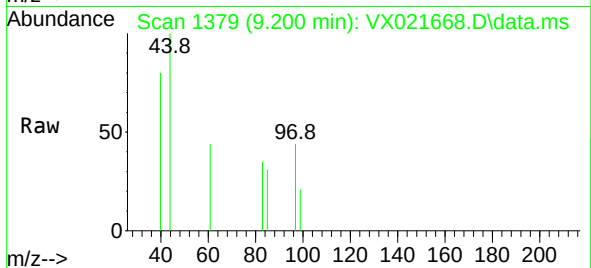
58 161.0 35.4 53.0#



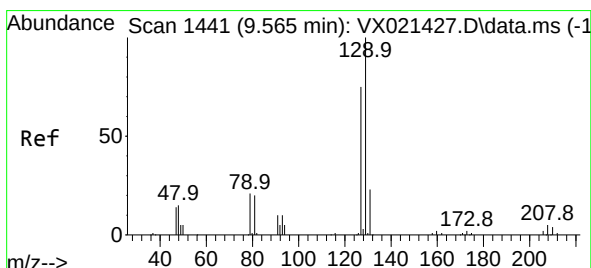
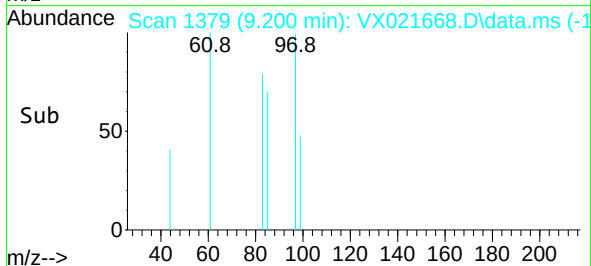
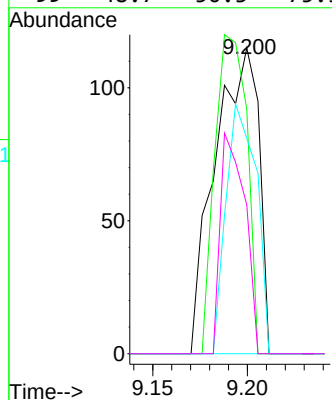


#55
1,1,2-Trichloroethane
Concen: 0.23 ug/l
RT: 9.200 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210323

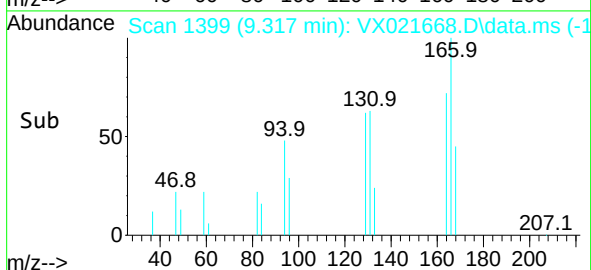
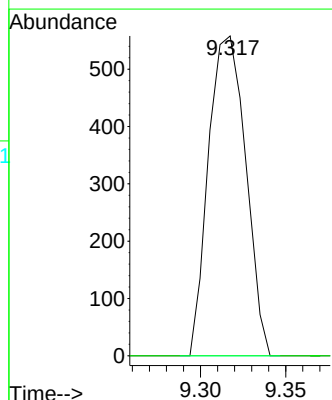
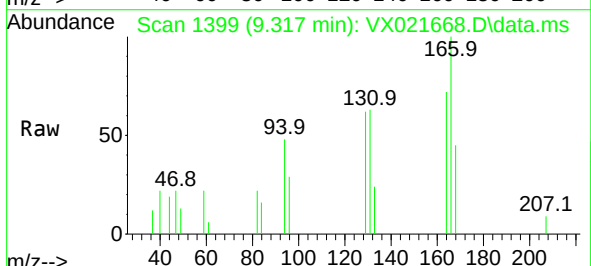


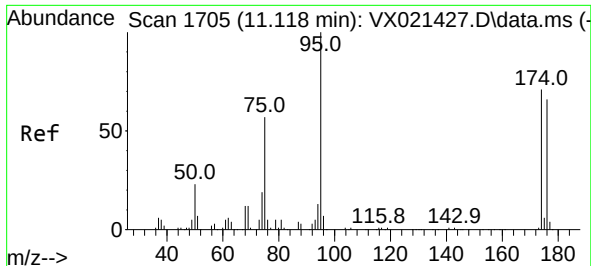
Tgt Ion:	97	Resp:	184
Ion	Ratio	Lower	Upper
97	100		
83	80.0	69.3	103.9
85	70.4	44.3	66.5#
99	48.7	50.3	75.5#



#60
Dibromochloromethane
Concen: 0.94 ug/l
RT: 9.317 min Scan# 1399
Delta R.T. -0.248 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

Tgt Ion:	129	Resp:	850
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

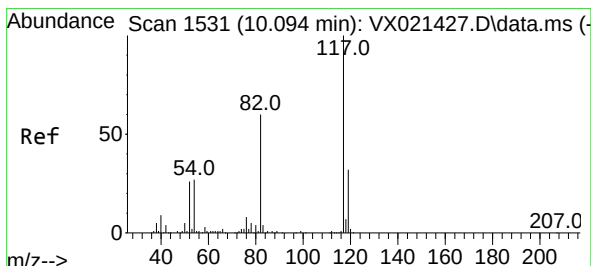
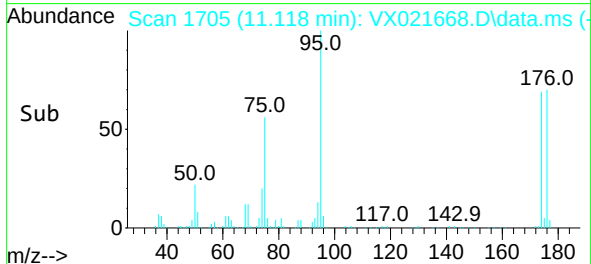
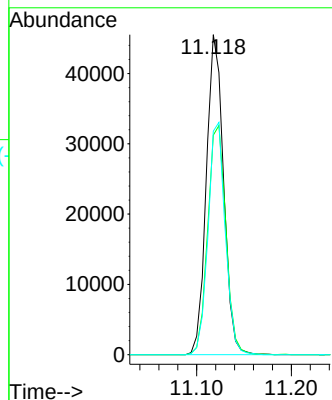
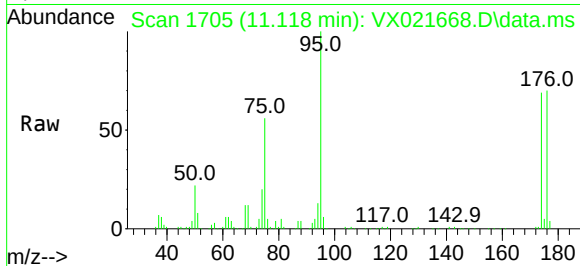




#62
4-Bromofluorobenzene
Concen: 52.64 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

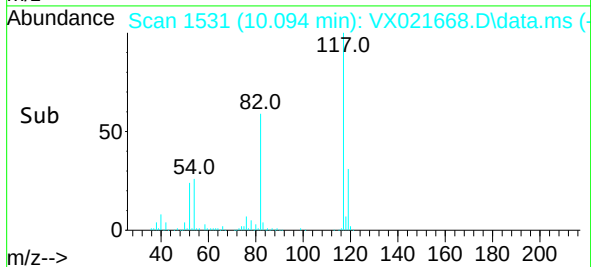
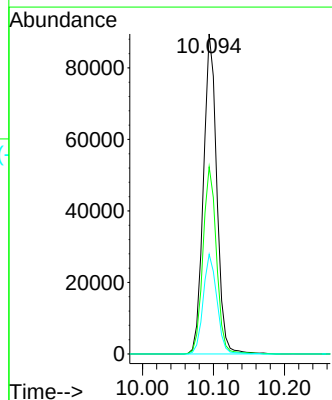
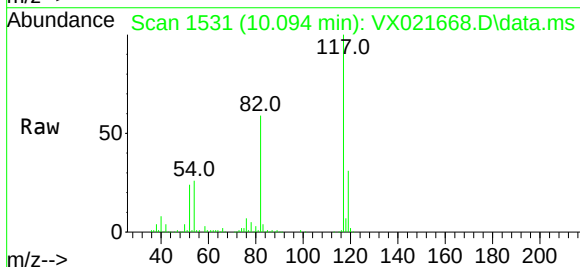
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210323

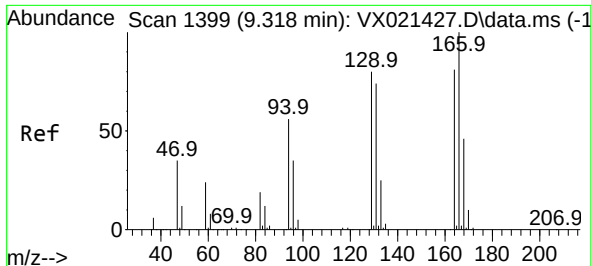
Tgt Ion: 95 Resp: 57412
Ion Ratio Lower Upper
95 100
174 75.4 0.0 154.6
176 72.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

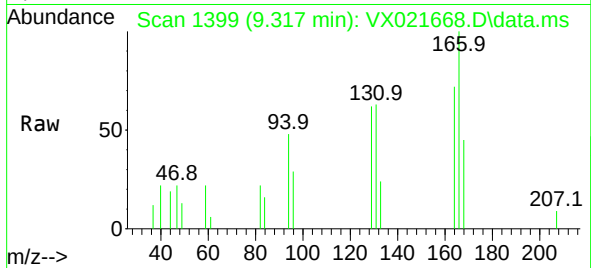
Tgt Ion: 117 Resp: 117414
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 31.1 26.6 39.8



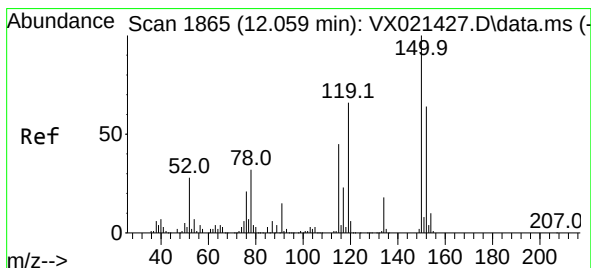
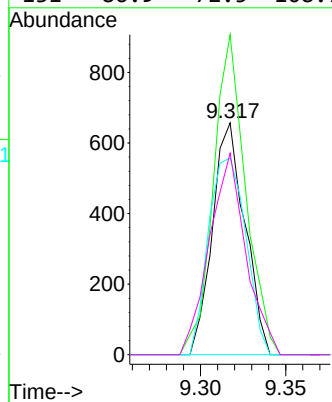
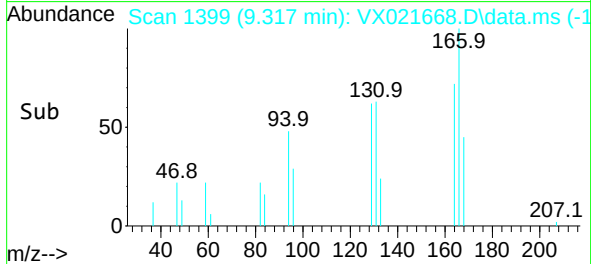


#64
Tetrachloroethene
Concen: 1.11 ug/l
RT: 9.317 min Scan# 1399
Delta R.T. -0.001 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

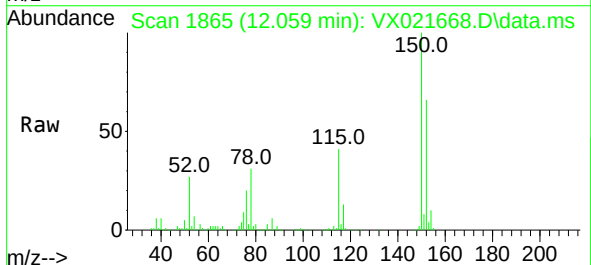
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210323



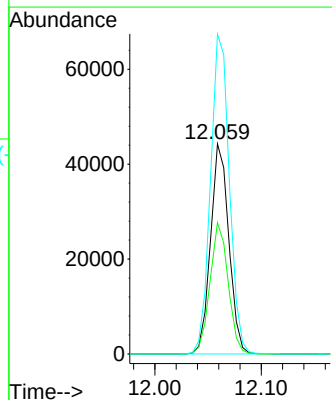
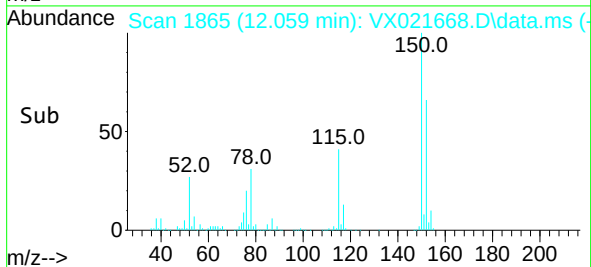
Tgt Ion:164	Resp:	872
Ion	Ratio	Lower Upper
164	100	
166	138.1	103.4 155.2
129	84.9	70.8 106.2
131	86.9	72.5 108.7

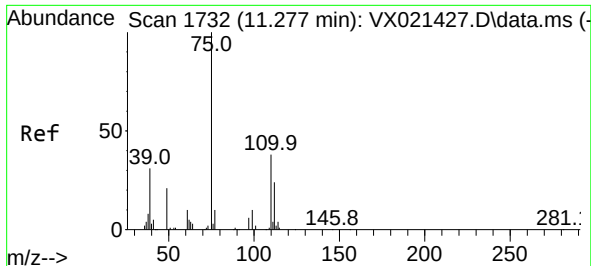


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.000 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55



Tgt Ion:152	Resp:	52706
Ion	Ratio	Lower Upper
152	100	
115	62.1	41.1 123.3
150	156.8	0.0 349.0

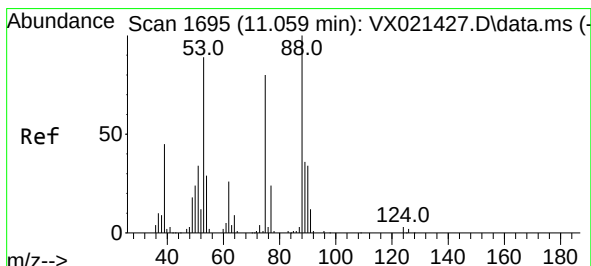
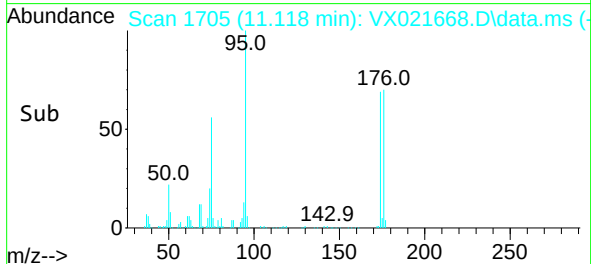
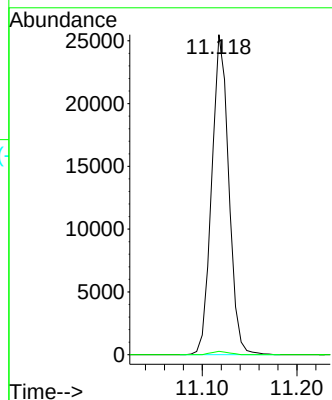
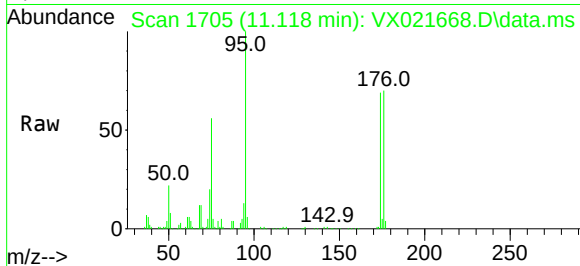




#76
1,2,3-Trichloropropane
Concen: 25.93 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210323

Tgt Ion: 75 Resp: 31816
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.98 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021668.D
Acq: 31 Mar 2021 06:55

Tgt Ion: 75 Resp: 31816
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

