

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033121\
 Data File : VX021679.D
 Acq On : 31 Mar 2021 13:06
 Operator : JC/MD
 Sample : M1842-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D2-20210324

Quant Time: Apr 01 03:23:53 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)

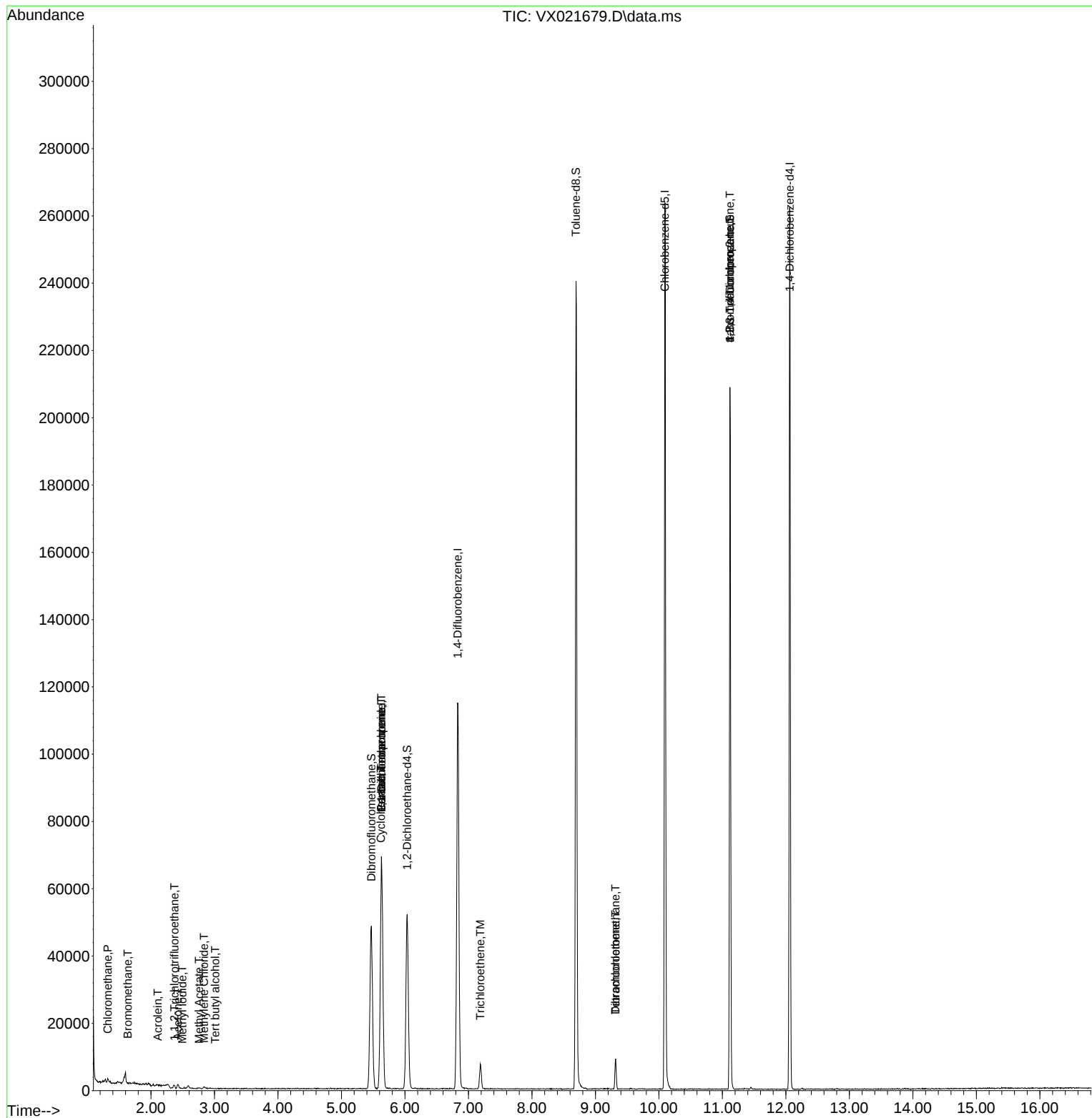
Internal Standards						
1) Pentafluorobenzene	5.629	168	59386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	107824	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	112500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	50277	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	51459	52.08	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.16%
35) Dibromofluoromethane	5.470	113	39583	51.68	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.36%
50) Toluene-d8	8.694	98	135528	49.66	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.32%
62) 4-Bromofluorobenzene	11.118	95	54498	51.36	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.72%
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1246	1.70	ug/l	91
5) Bromomethane	1.634	94	68	0.25	ug/l #	73
9) 1,1,2-Trichlorotrifluo...	2.370	101	239	0.39	ug/l #	91
10) Methyl Iodide	2.493	142	19	6.68	ug/l #	42
11) Tert butyl alcohol	3.011	59	39	0.24	ug/l #	73
13) Acrolein	2.105	56	19	4.52	ug/l #	14
16) Acetone	2.423	43	1125	3.01	ug/l #	82
18) Methyl Acetate	2.758	43	353	0.33	ug/l #	47
20) Methylene Chloride	2.834	84	258	0.35	ug/l #	70
31) Cyclohexane	5.623	56	1640	1.51	ug/l #	18
36) 1,1-Dichloropropene	5.629	75	5266	4.98	ug/l #	49
38) Carbon Tetrachloride	5.629	117	6188	5.45	ug/l #	17
44) Trichloroethene	7.188	130	2355	2.97	ug/l	79
60) Dibromochloromethane	9.318	129	1689	1.93	ug/l #	11
64) Tetrachloroethene	9.318	164	1578	2.09	ug/l	94
76) 1,2,3-Trichloropropane	11.118	75	30521	26.08	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30521	79.43	ug/l #	12

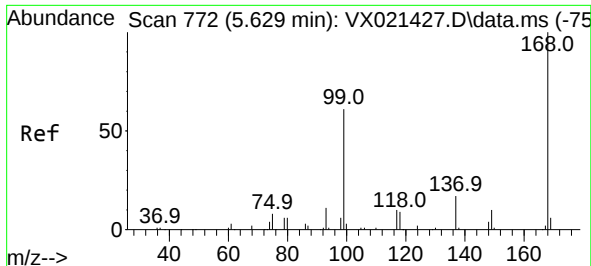
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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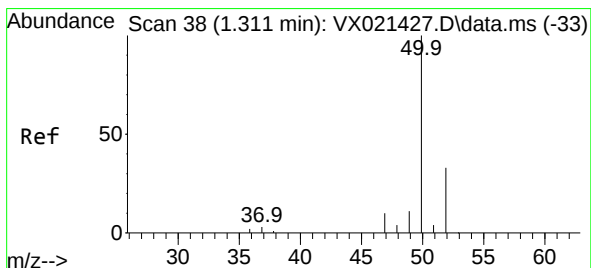
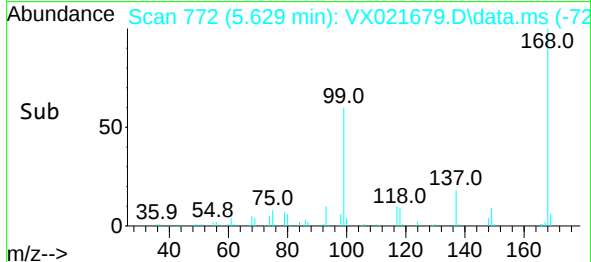
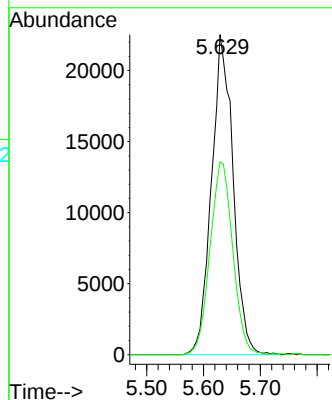
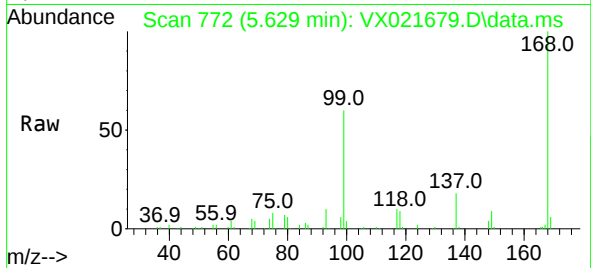




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

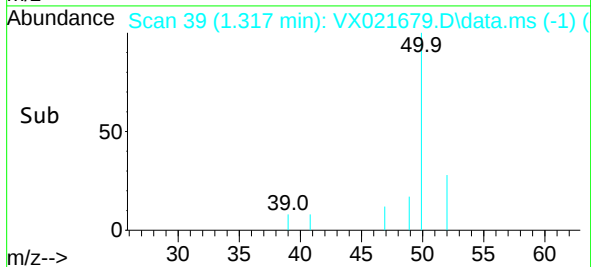
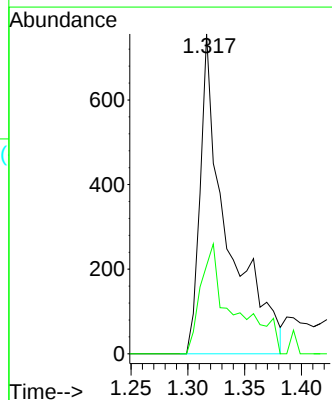
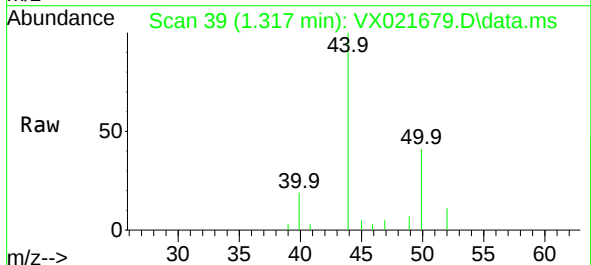
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210324

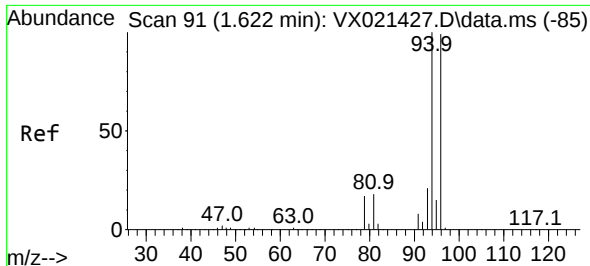
Tgt Ion:168 Resp: 59386
Ion Ratio Lower Upper
168 100
99 60.2 45.8 68.6



#3
Chloromethane
Concen: 1.70 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

Tgt Ion: 50 Resp: 1246
Ion Ratio Lower Upper
50 100
52 27.6 26.4 39.6

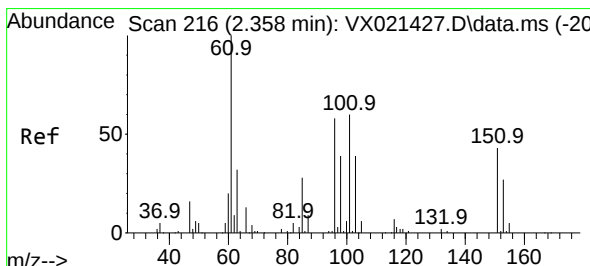
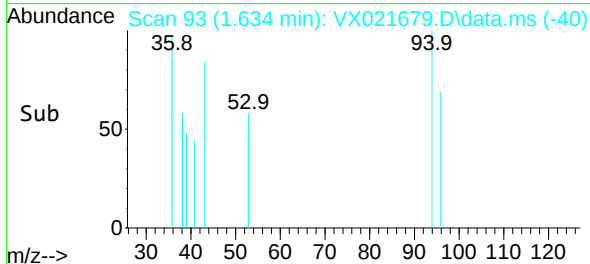
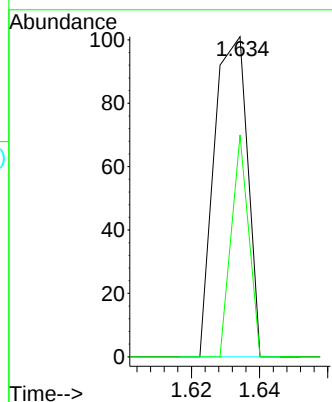
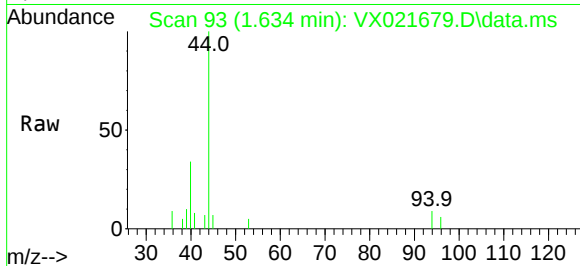




#5
Bromomethane
Concen: 0.25 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

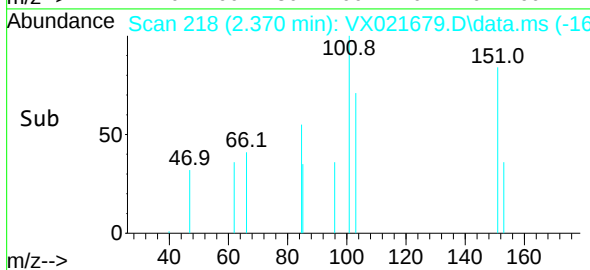
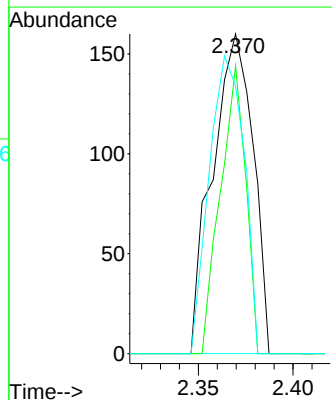
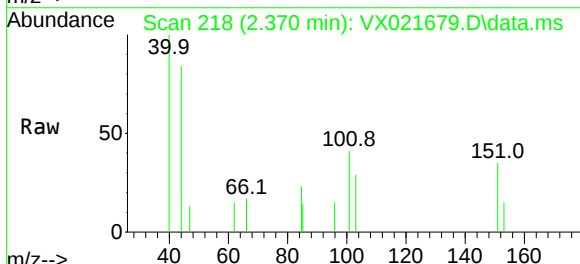
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210324

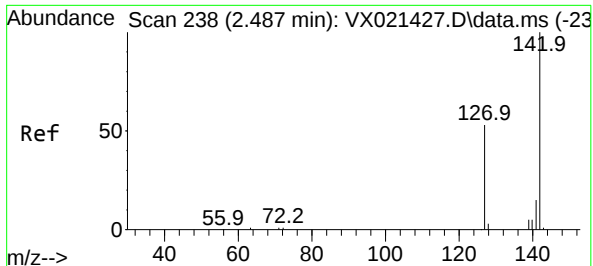
Tgt Ion: 94 Resp: 68
Ion Ratio Lower Upper
94 100
96 69.3 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.39 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.012 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

Tgt Ion: 101 Resp: 239
Ion Ratio Lower Upper
101 100
85 56.1 34.9 52.3#
151 79.9 61.4 92.2

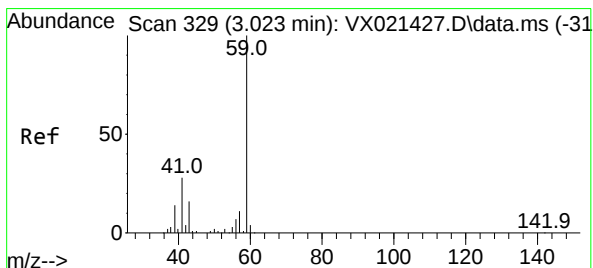
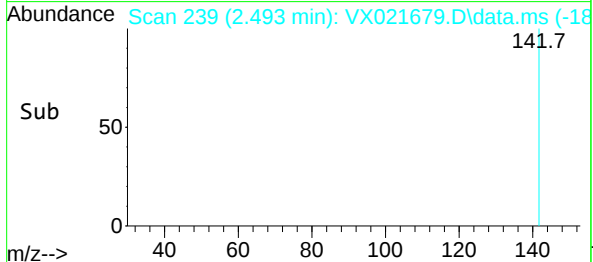
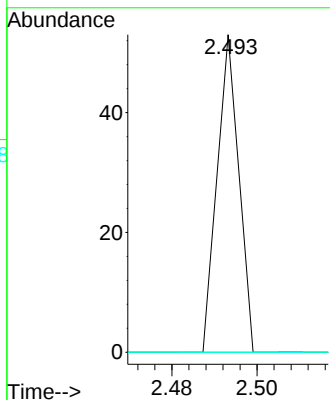
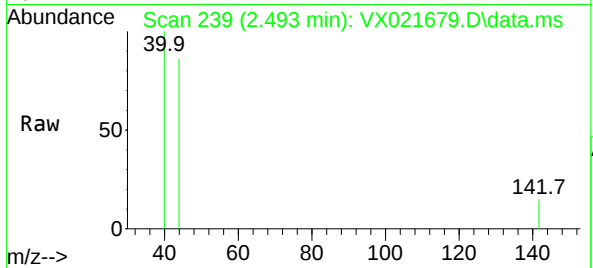




#10
Methyl Iodide
Concen: 6.68 ug/l
RT: 2.493 min Scan# 239
Delta R.T. 0.006 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

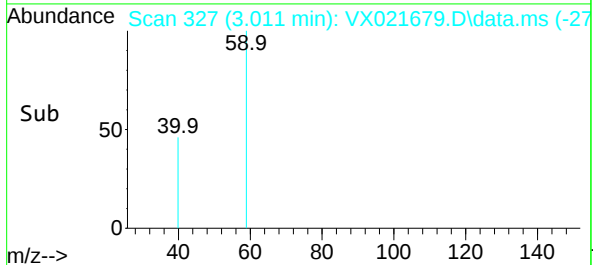
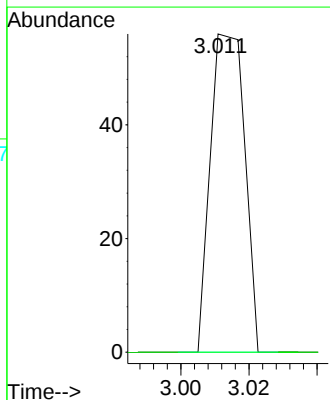
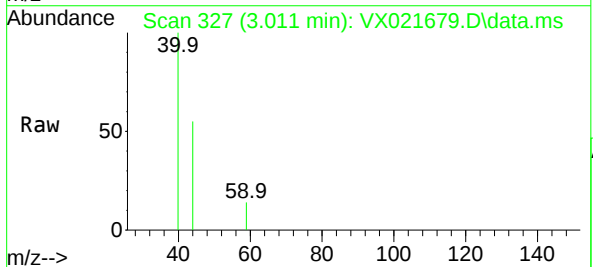
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210324

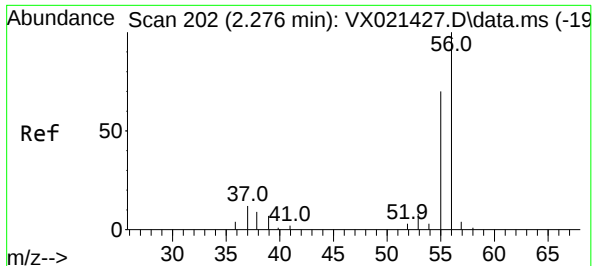
Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.24 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.012 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

Tgt Ion: 59 Resp: 39
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

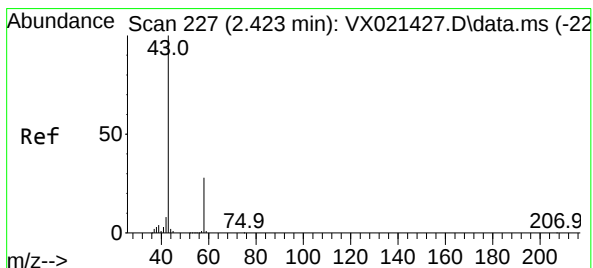
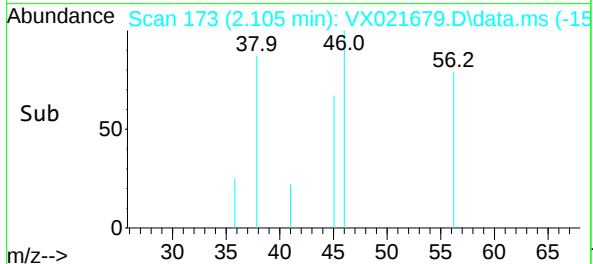
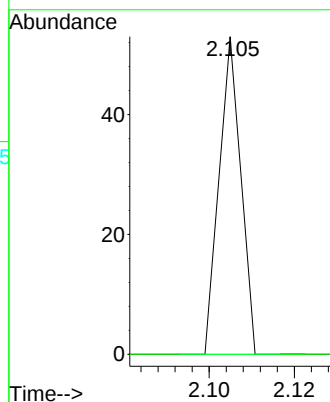
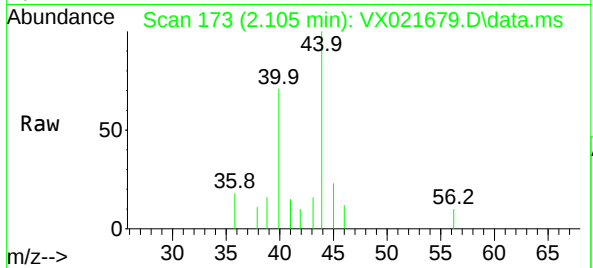




#13
Acrolein
Concen: 4.52 ug/l
RT: 2.105 min Scan# 173
Delta R.T. -0.171 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

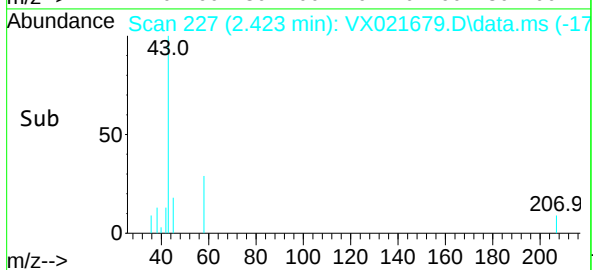
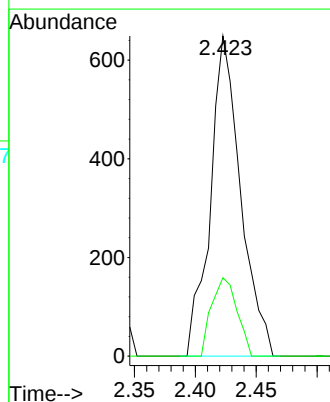
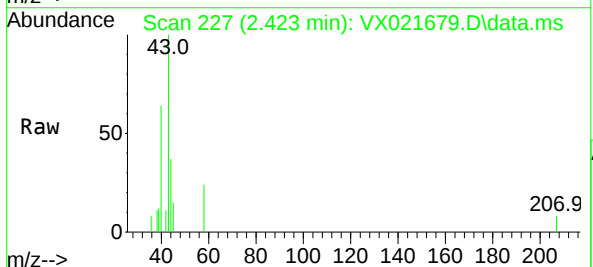
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210324

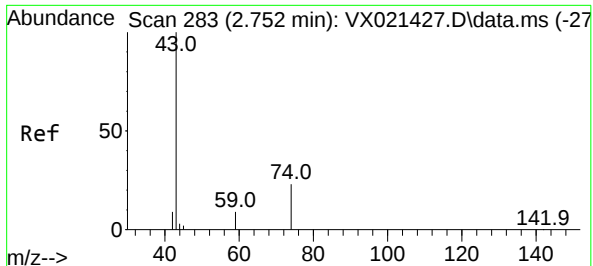
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 3.01 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

Tgt Ion: 43 Resp: 1125
Ion Ratio Lower Upper
43 100
58 24.5 27.8 41.8#





#18

Methyl Acetate

Concen: 0.33 ug/l

RT: 2.758 min Scan# 284

Delta R.T. 0.006 min

Lab File: VX021679.D

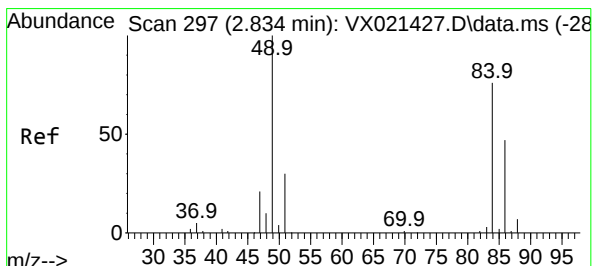
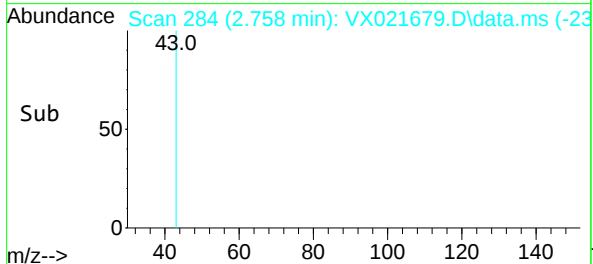
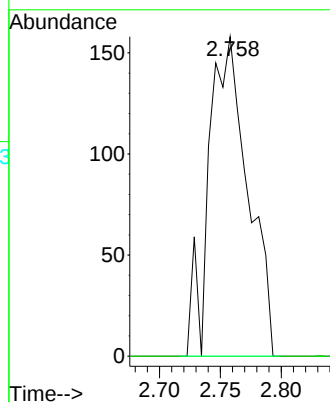
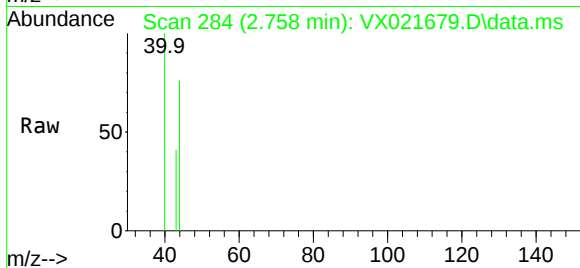
Acq: 31 Mar 2021 13:06

Tgt Ion: 43 Resp: 353

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#20

Methylene Chloride

Concen: 0.35 ug/l

RT: 2.834 min Scan# 297

Delta R.T. 0.000 min

Lab File: VX021679.D

Acq: 31 Mar 2021 13:06

Tgt Ion: 84 Resp: 258

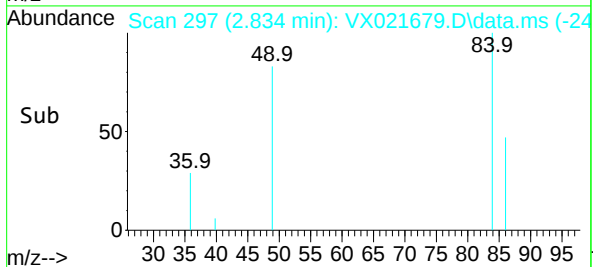
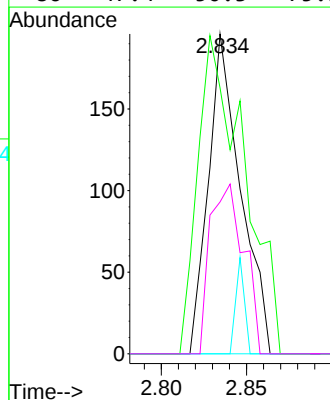
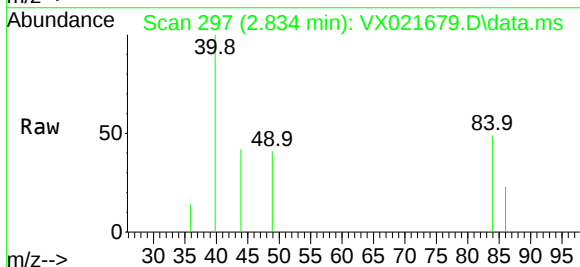
Ion Ratio Lower Upper

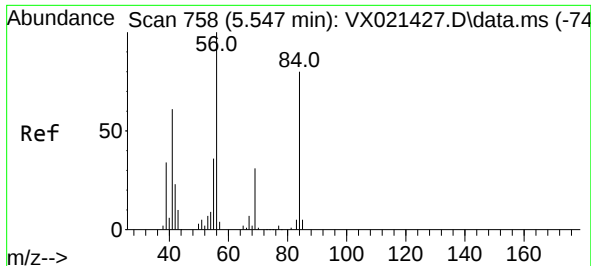
84 100

49 83.2 88.6 132.8#

51 0.0 27.0 40.6#

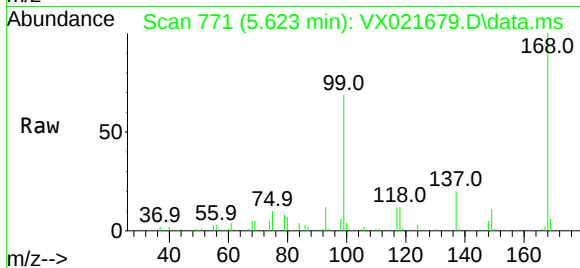
86 47.4 50.3 75.5#



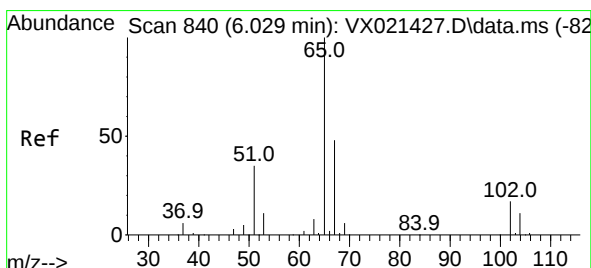
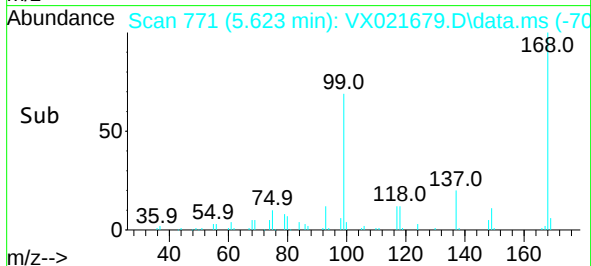
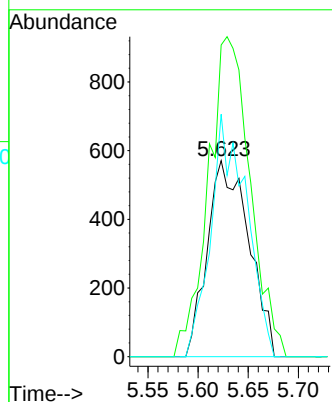


#31
Cyclohexane
Concen: 1.51 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

Instrument :
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RE123D2-20210324

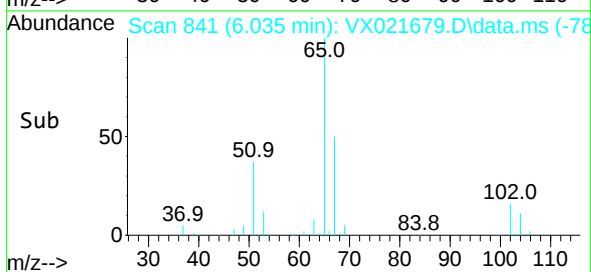
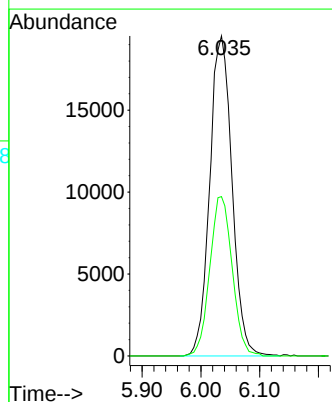
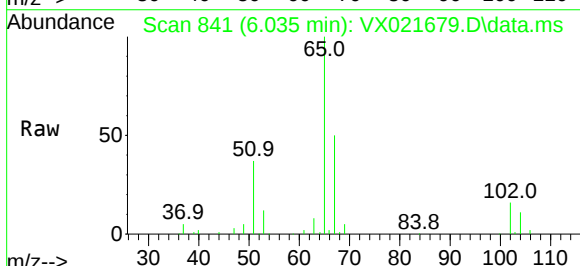


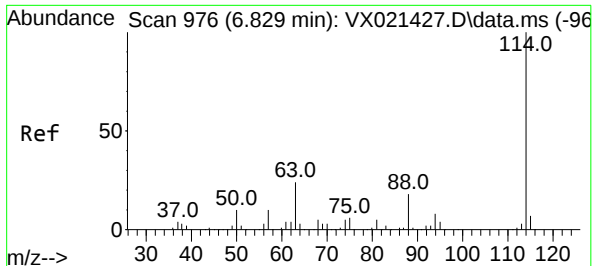
Tgt Ion: 56 Resp: 1640
Ion Ratio Lower Upper
56 100
69 148.2 25.3 37.9#
84 123.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.08 ug/l
RT: 6.035 min Scan# 841
Delta R.T. 0.006 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

Tgt Ion: 65 Resp: 51459
Ion Ratio Lower Upper
65 100
67 50.1 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: VX021679.D

Acq: 31 Mar 2021 13:06

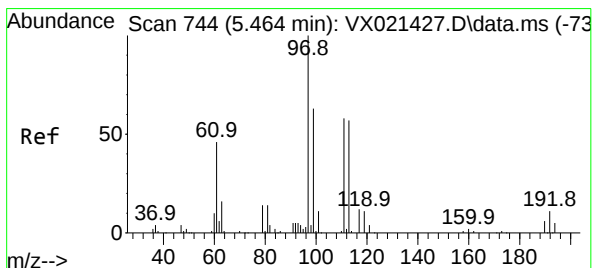
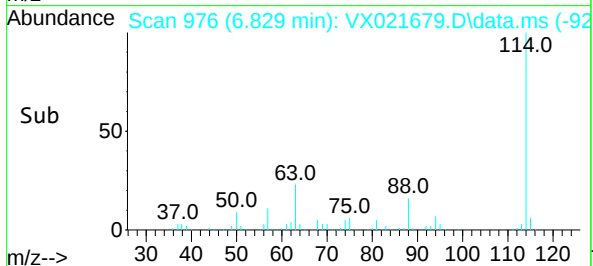
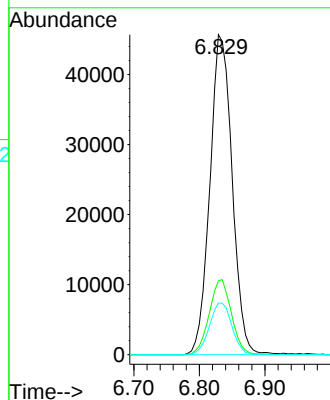
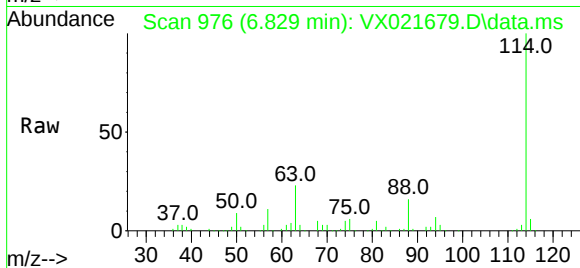
Tgt Ion:114 Resp: 107824

Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.8

88 16.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.68 ug/l

RT: 5.470 min Scan# 745

Delta R.T. 0.006 min

Lab File: VX021679.D

Acq: 31 Mar 2021 13:06

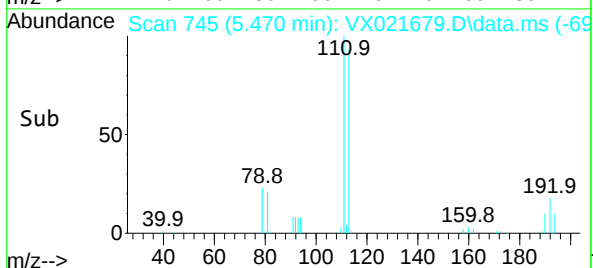
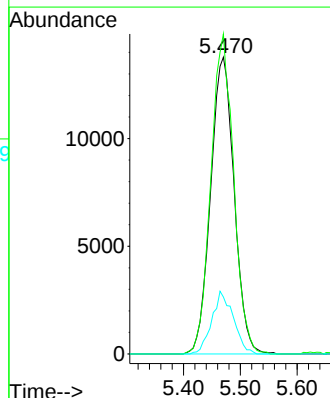
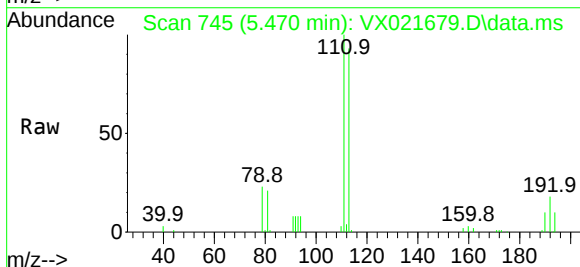
Tgt Ion:113 Resp: 39583

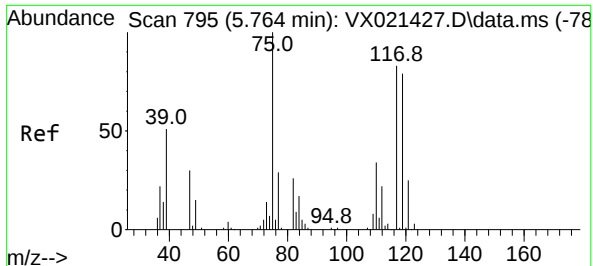
Ion Ratio Lower Upper

113 100

111 104.2 81.9 122.9

192 19.4 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.98 ug/l

RT: 5.629 min Scan# 772

Delta R.T. -0.135 min

Lab File: VX021679.D

Acq: 31 Mar 2021 13:06

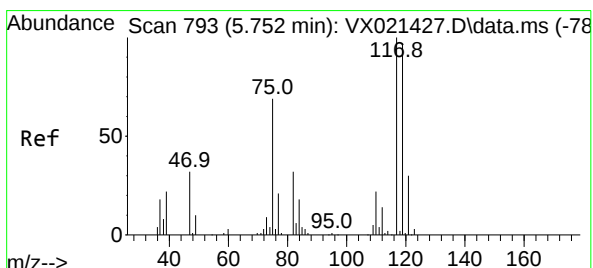
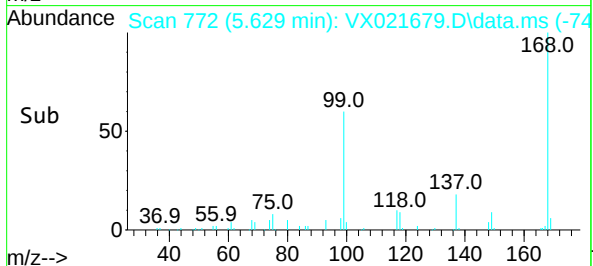
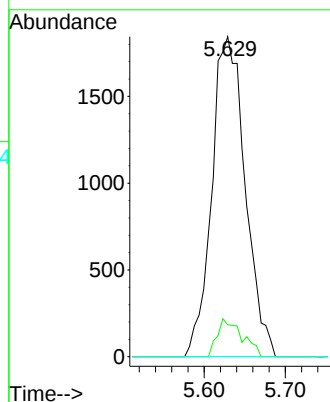
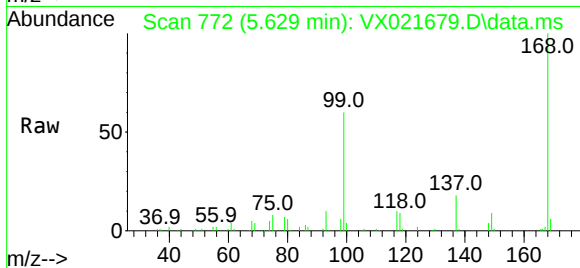
Tgt Ion:	75	Resp:	5266
Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :

MSVOA_X

ClientSampleId :

RE123D2-20210324



#38

Carbon Tetrachloride

Concen: 5.45 ug/l

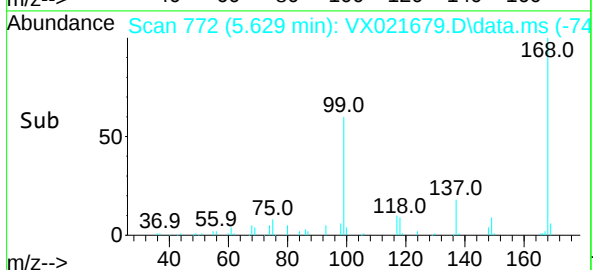
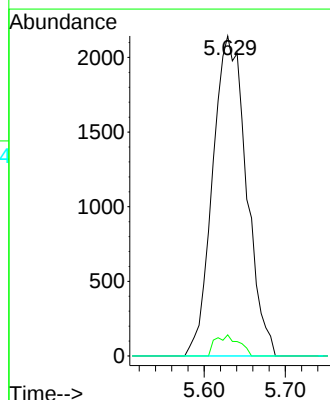
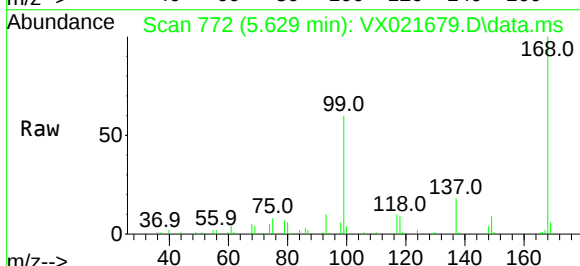
RT: 5.629 min Scan# 772

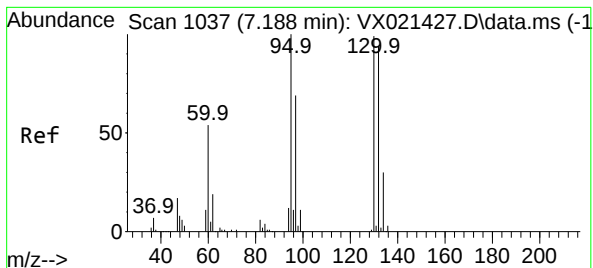
Delta R.T. -0.123 min

Lab File: VX021679.D

Acq: 31 Mar 2021 13:06

Tgt Ion:	117	Resp:	6188
Ion	Ratio	Lower	Upper
117	100		
119	6.6	76.2	114.2#
121	0.0	24.8	37.2#





#44

Trichloroethene

Concen: 2.97 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021679.D

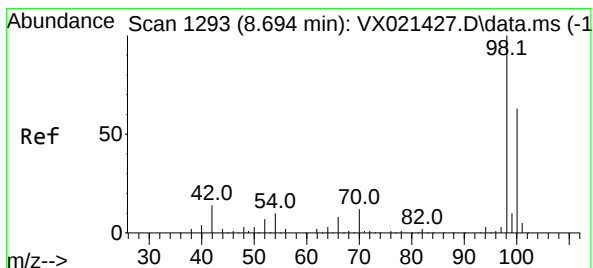
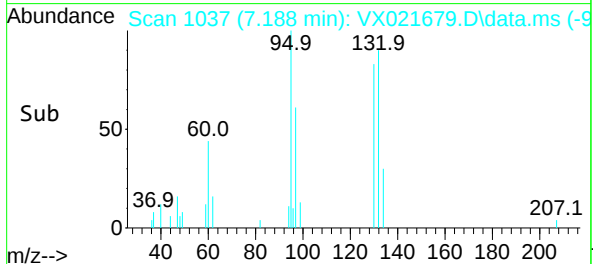
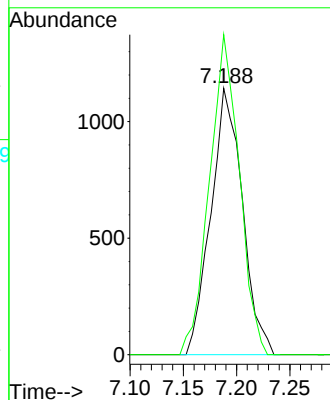
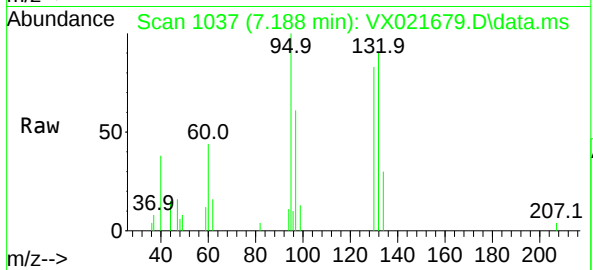
Acq: 31 Mar 2021 13:06

Tgt Ion:130 Resp: 2355

Ion Ratio Lower Upper

130 100

95 120.1 0.0 198.0



#50

Toluene-d8

Concen: 49.66 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VX021679.D

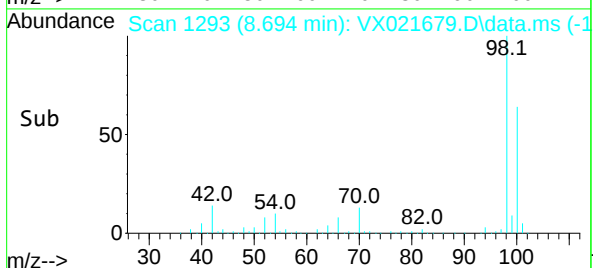
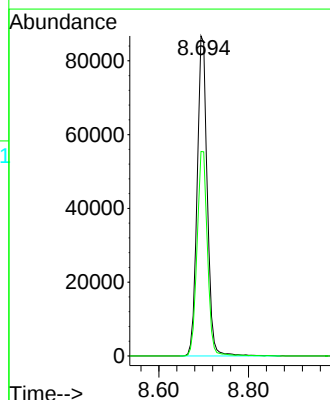
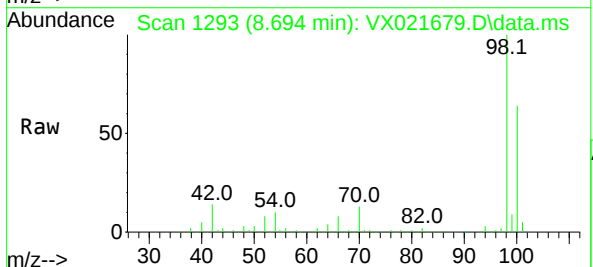
Acq: 31 Mar 2021 13:06

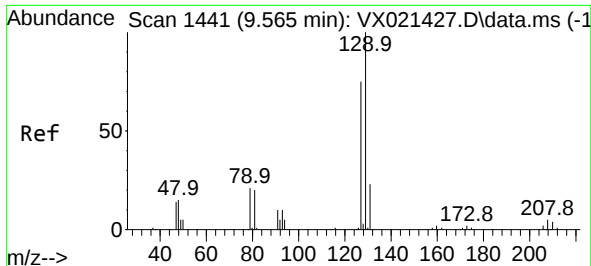
Tgt Ion: 98 Resp: 135528

Ion Ratio Lower Upper

98 100

100 65.5 51.9 77.9

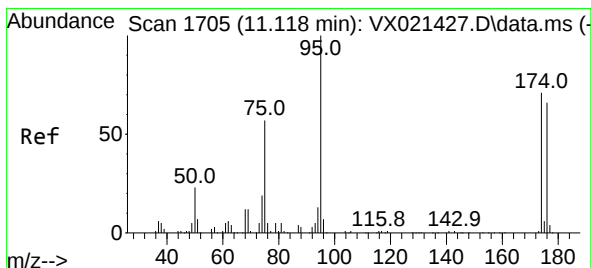
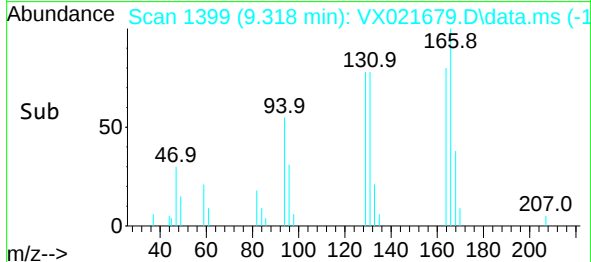
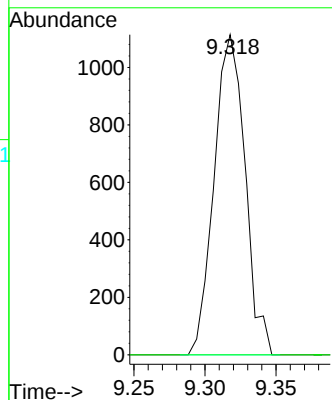
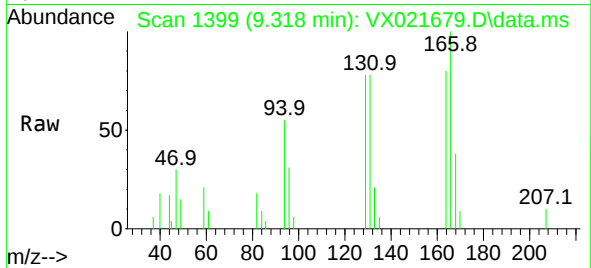




#60
Dibromochloromethane
Concen: 1.93 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

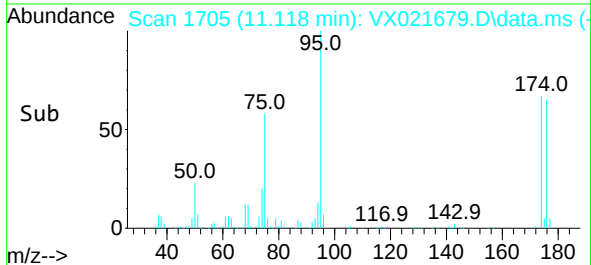
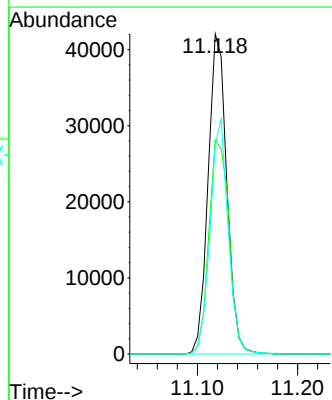
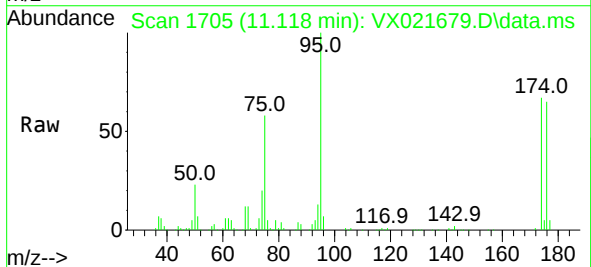
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210324

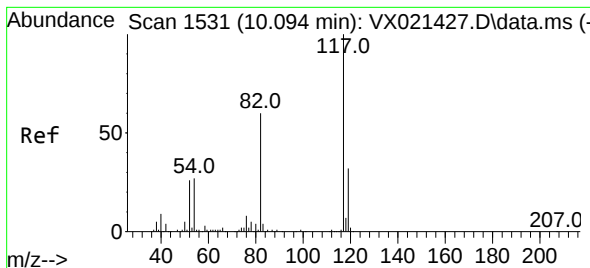
Tgt Ion:129 Resp: 1689
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 51.36 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

Tgt Ion: 95 Resp: 54498
Ion Ratio Lower Upper
95 100
174 72.6 0.0 154.6
176 70.9 0.0 155.8

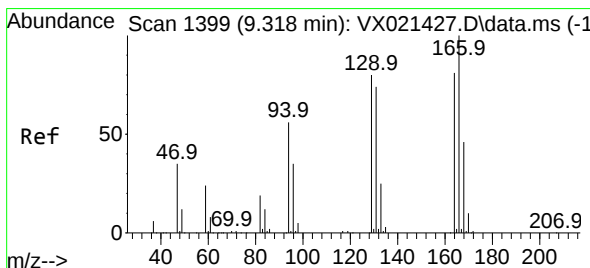
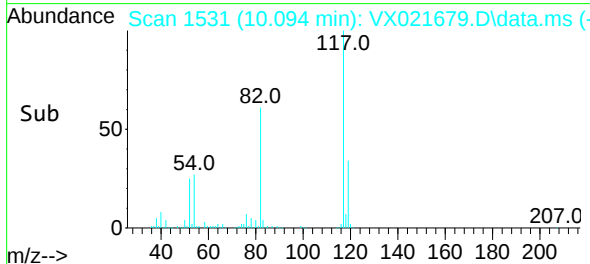
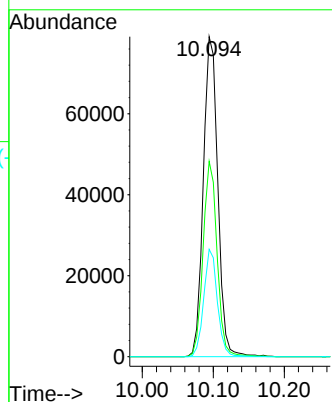
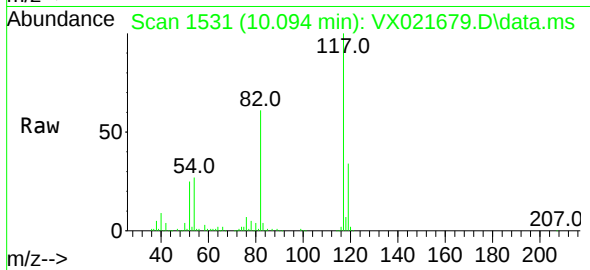




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

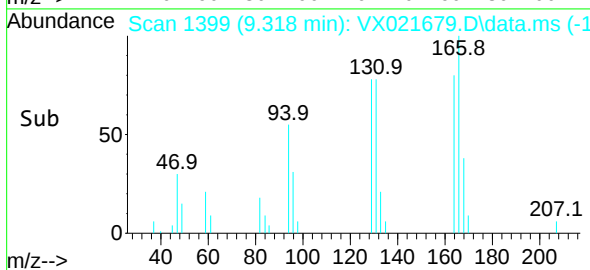
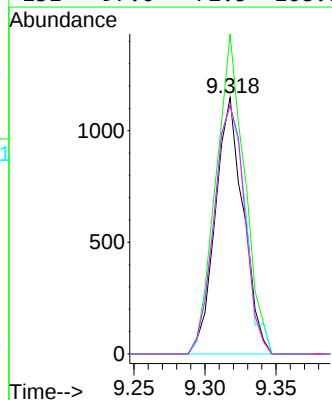
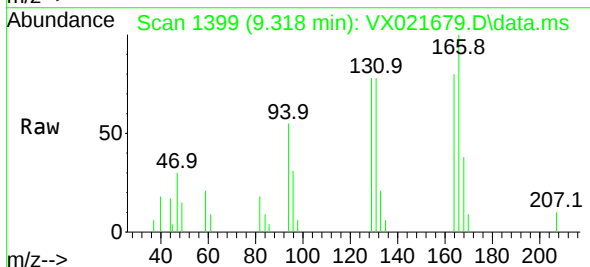
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210324

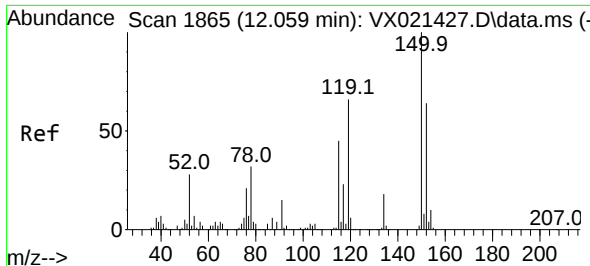
Tgt Ion:117 Resp: 112500
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.2
119 33.6 26.6 39.8



#64
Tetrachloroethene
Concen: 2.09 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021679.D
Acq: 31 Mar 2021 13:06

Tgt Ion:164 Resp: 1578
Ion Ratio Lower Upper
164 100
166 124.8 103.4 155.2
129 97.0 70.8 106.2
131 97.0 72.5 108.7

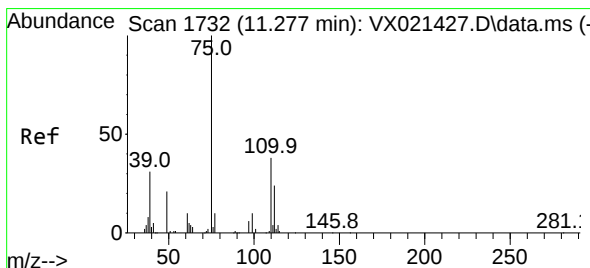
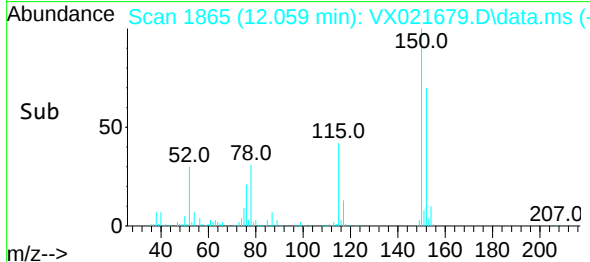
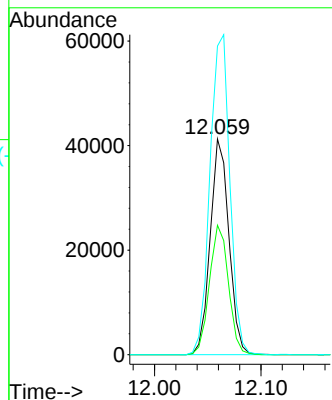
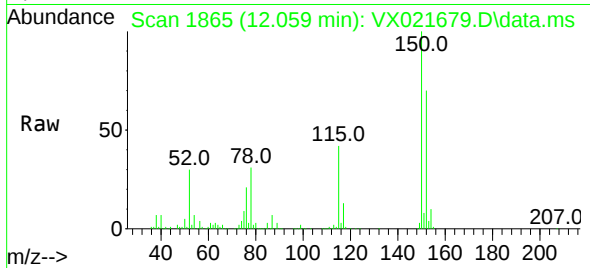




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021679.D
 Acq: 31 Mar 2021 13:06

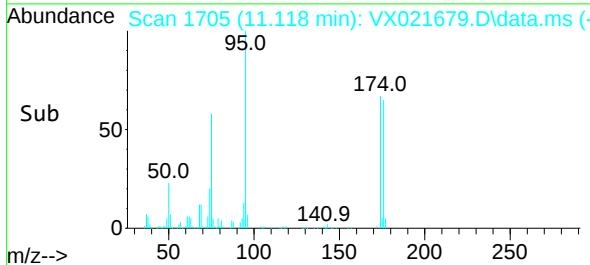
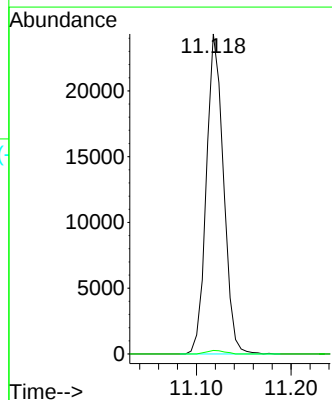
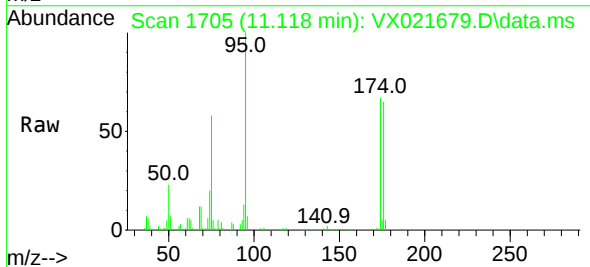
Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D2-20210324

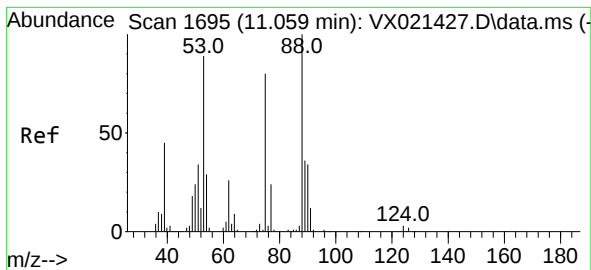
Tgt Ion:152 Resp: 50277
 Ion Ratio Lower Upper
 152 100
 115 61.0 41.1 123.3
 150 157.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.08 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021679.D
 Acq: 31 Mar 2021 13:06

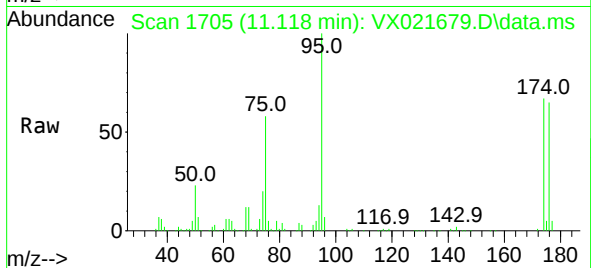
Tgt Ion: 75 Resp: 30521
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.43 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021679.D
 Acq: 31 Mar 2021 13:06

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D2-20210324



Tgt Ion: 75 Resp: 30521
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.1 37.9 56.9#

