

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021315.D
 Acq On : 19 Mar 2021 20:20
 Operator : JC/MD
 Sample : M1736-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20210317

Quant Time: Mar 20 06:37:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

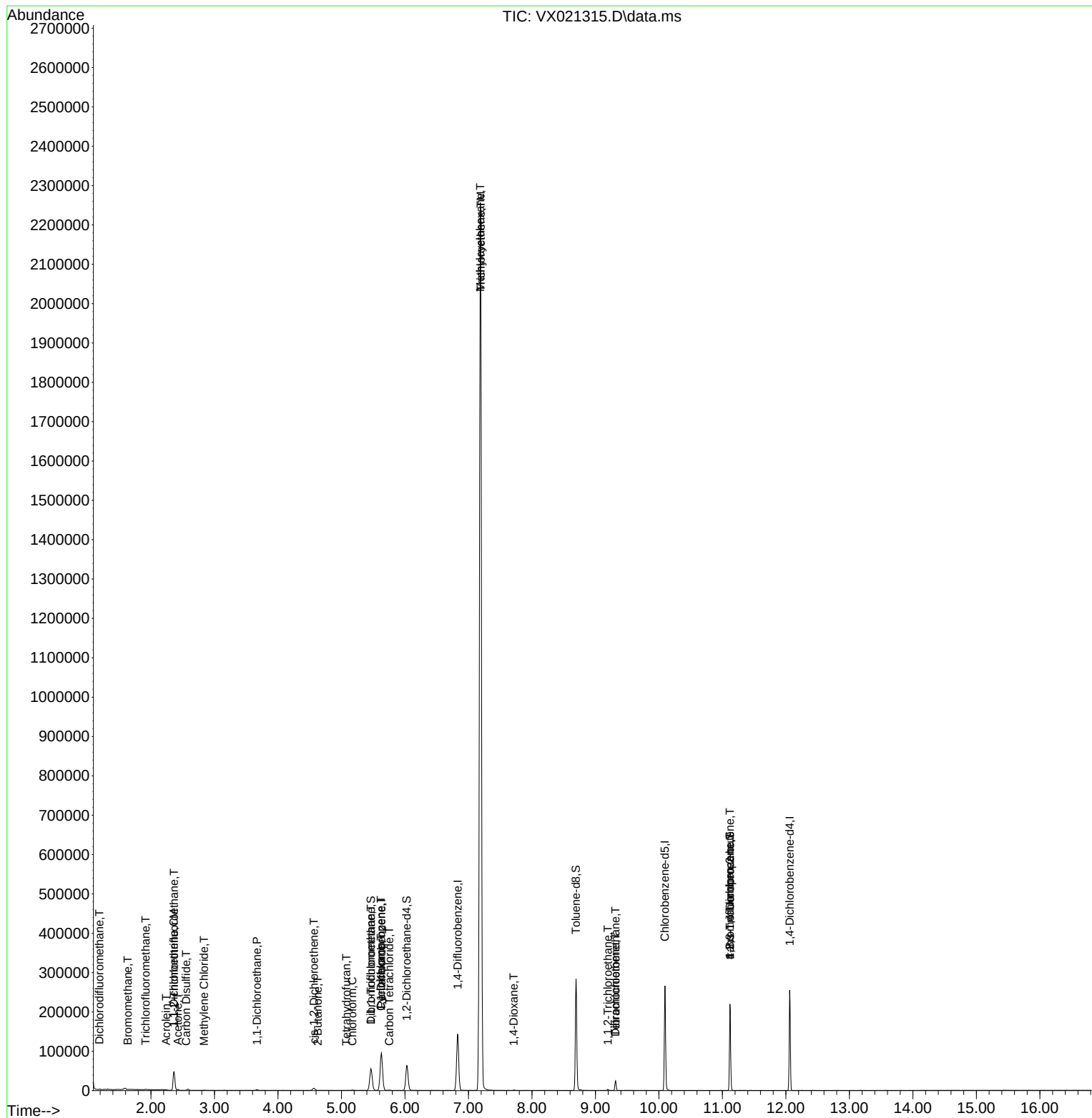
Internal Standards						
1) Pentafluorobenzene	5.629	168	79629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	130599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	110572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	46024	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	62525	47.87	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.74%		
35) Dibromofluoromethane	5.464	113	44770	50.38	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.76%		
50) Toluene-d8	8.694	98	159065	49.33	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.66%		
62) 4-Bromofluorobenzene	11.118	95	55663	44.45	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.90%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	281	0.30	ug/l	89
3) Chloromethane	1.316	50	1847	Below Cal		98
5) Bromomethane	1.634	94	175	0.41	ug/l	97
7) Trichlorofluoromethane	1.917	101	474	0.32	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.364	101	12398	14.90	ug/l	95
12) 1,1-Dichloroethene	2.358	96	6363	7.84	ug/l	85
13) Acrolein	2.240	56	23	3.30	ug/l #	1
16) Acetone	2.422	43	1788	3.72	ug/l	90
17) Carbon Disulfide	2.552	76	230	0.63	ug/l #	75
20) Methylene Chloride	2.834	84	301	0.30	ug/l #	78
24) 1,1-Dichloroethane	3.670	63	2068	1.19	ug/l #	92
25) 2-Butanone	4.629	43	191	0.26	ug/l #	45
27) cis-1,2-Dichloroethene	4.564	96	3132	3.01	ug/l	99
29) Tetrahydrofuran	5.076	42	110	0.23	ug/l #	27
30) Chloroform	5.170	83	897	0.50	ug/l	98
31) Cyclohexane	5.623	56	2230	1.41	ug/l #	29
32) 1,1,1-Trichloroethane	5.464	97	676	0.42	ug/l #	38
36) 1,1-Dichloropropene	5.623	75	7368	5.60	ug/l #	49
38) Carbon Tetrachloride	5.752	117	694	0.51	ug/l #	79
39) Methylcyclohexane	7.188	83	10507	7.19	ug/l #	1
44) Trichloroethene	7.194	130	789749	819.88	ug/l	98
49) 1,4-Dioxane	7.711	88	604	15.72	ug/l #	66
55) 1,1,2-Trichloroethane	9.194	97	649	0.71	ug/l	86
60) Dibromochloromethane	9.317	129	4065	3.89	ug/l #	11
64) Tetrachloroethene	9.317	164	4325	5.24	ug/l	96
76) 1,2,3-Trichloropropane	11.118	75	31245	29.27	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	31245	79.46	ug/l #	12

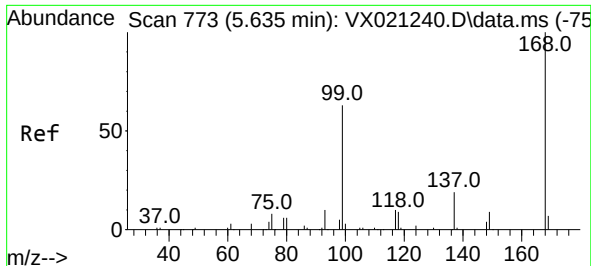
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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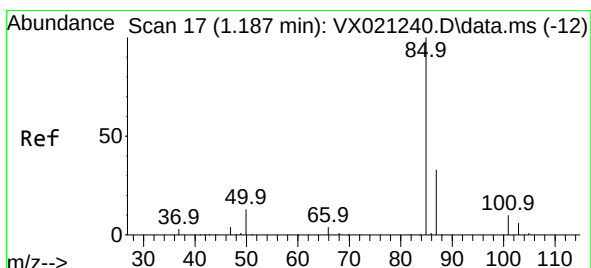
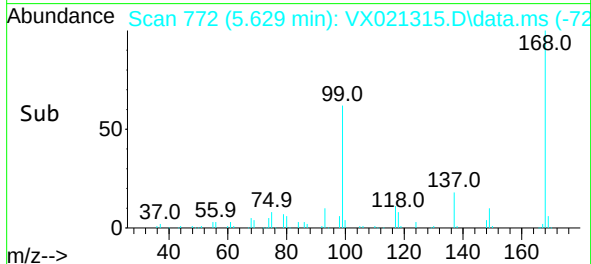
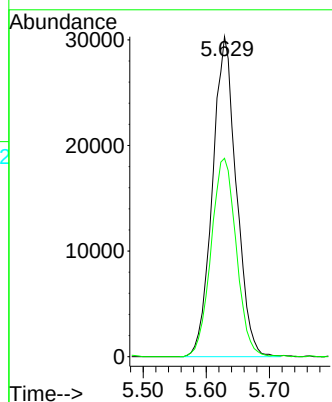
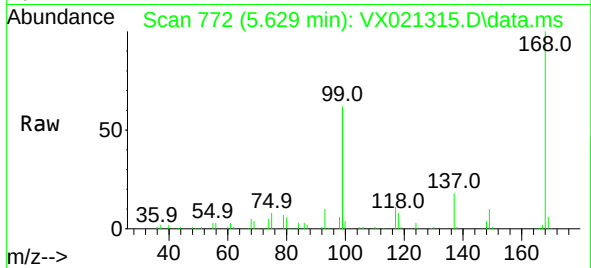




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

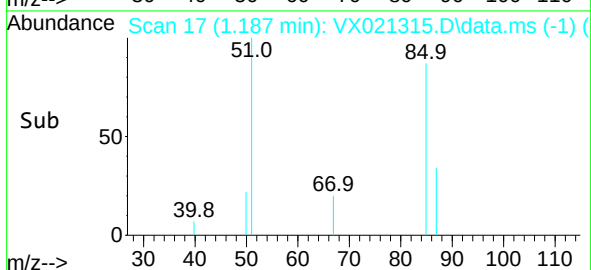
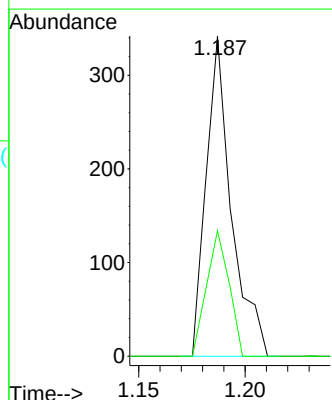
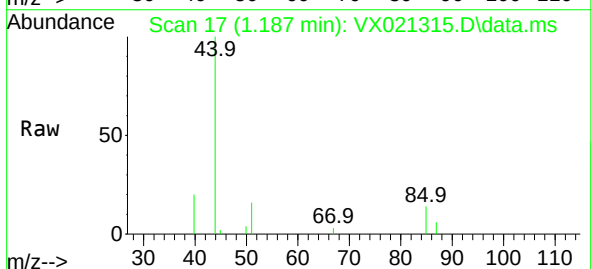
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20210317

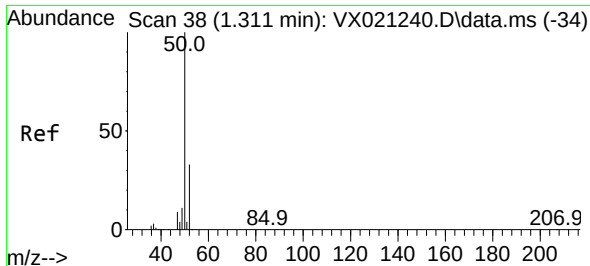
Tgt Ion:168 Resp: 79629
Ion Ratio Lower Upper
168 100
99 62.0 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.30 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

Tgt Ion: 85 Resp: 281
Ion Ratio Lower Upper
85 100
87 39.2 16.4 49.2

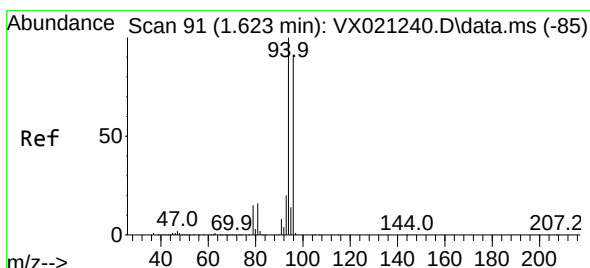
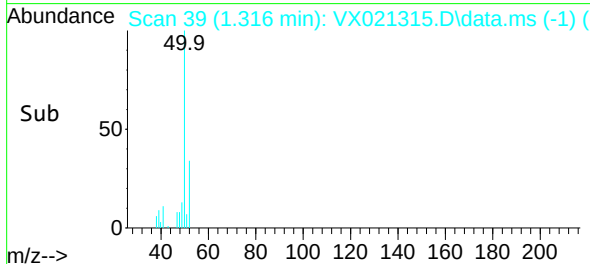
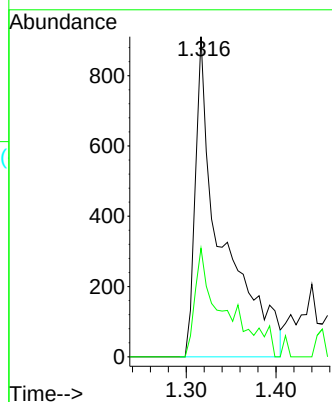
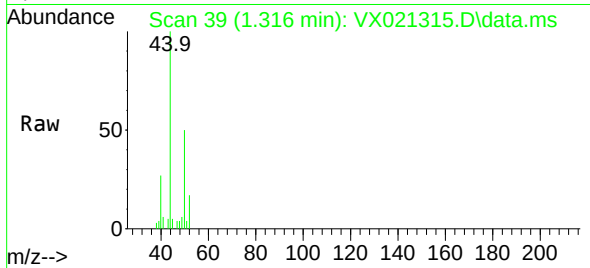




#3
Chloromethane
Concen: Below Cal
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

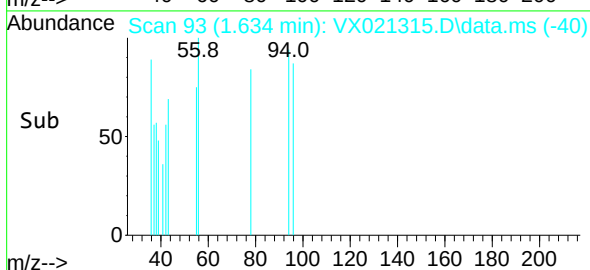
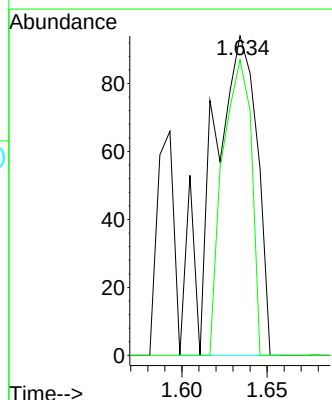
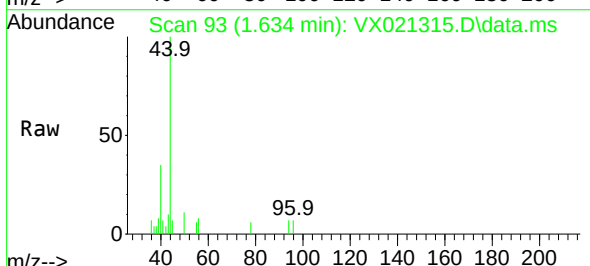
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20210317

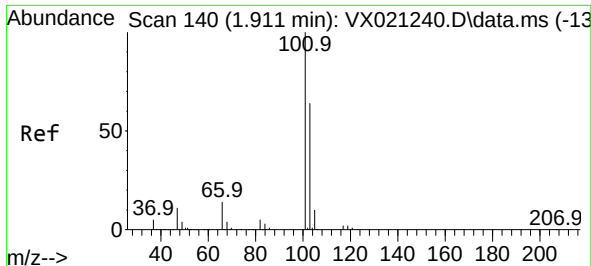
Tgt Ion: 50 Resp: 1847
Ion Ratio Lower Upper
50 100
52 33.9 26.4 39.6



#5
Bromomethane
Concen: 0.41 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

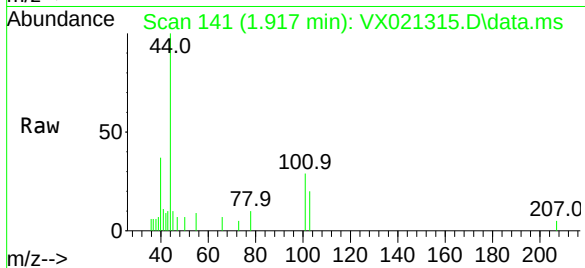
Tgt Ion: 94 Resp: 175
Ion Ratio Lower Upper
94 100
96 92.6 76.4 114.6



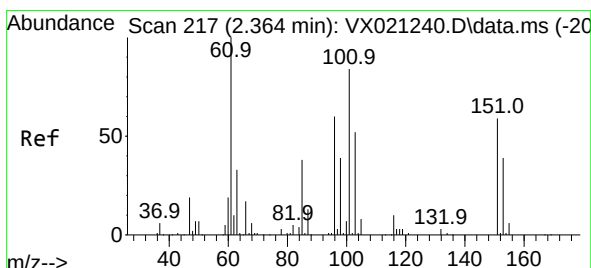
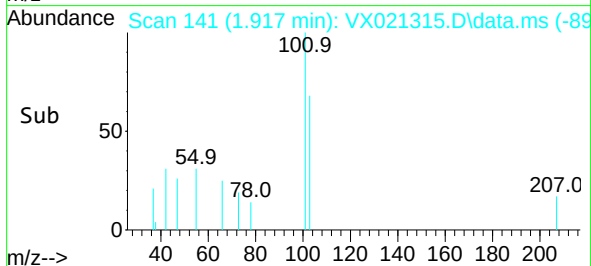
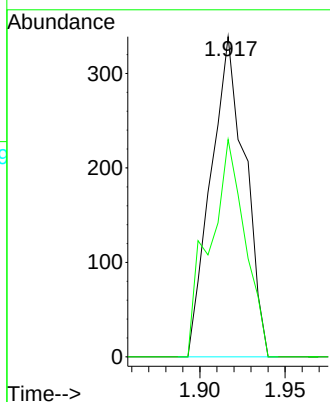


#7
Trichlorofluoromethane
Concen: 0.32 ug/l
RT: 1.917 min Scan# 141
Delta R.T. 0.006 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20210317

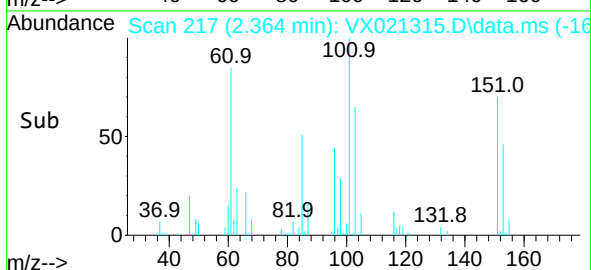
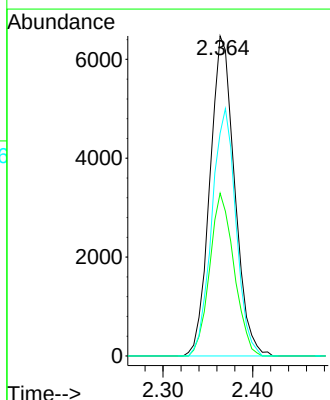
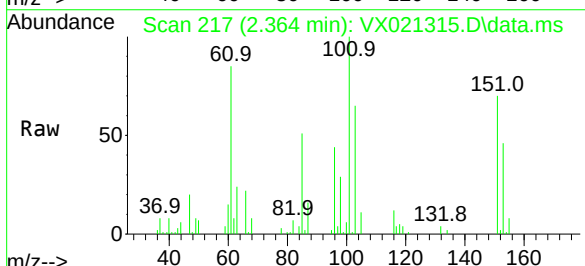


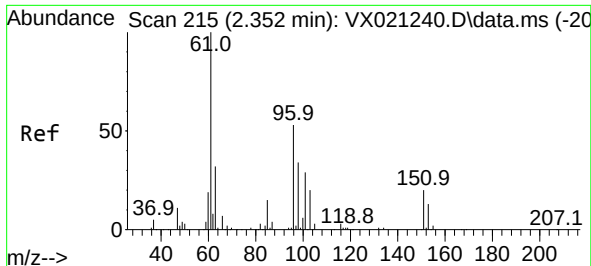
Tgt Ion:101 Resp: 474
Ion Ratio Lower Upper
101 100
103 67.8 53.2 79.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.90 ug/l
RT: 2.364 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

Tgt Ion:101 Resp: 12398
Ion Ratio Lower Upper
101 100
85 50.0 34.9 52.3
151 75.2 61.4 92.2





#12

1,1-Dichloroethene

Concen: 7.84 ug/l

RT: 2.358 min Scan# 216

Delta R.T. 0.006 min

Lab File: VX021315.D

Acq: 19 Mar 2021 20:20

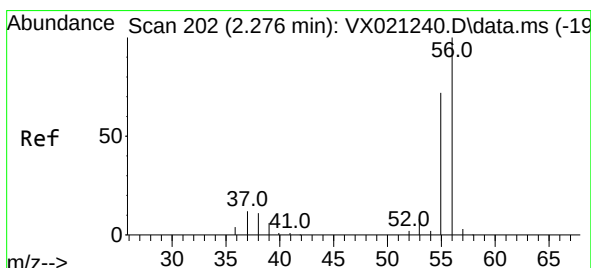
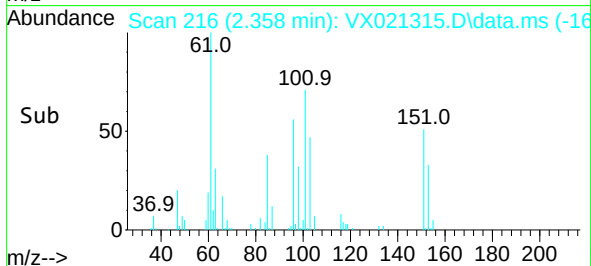
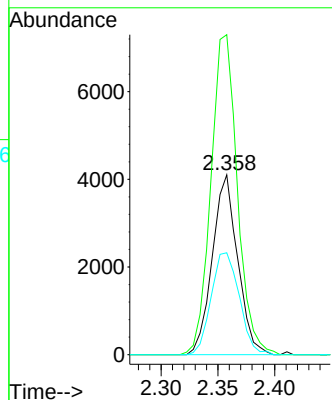
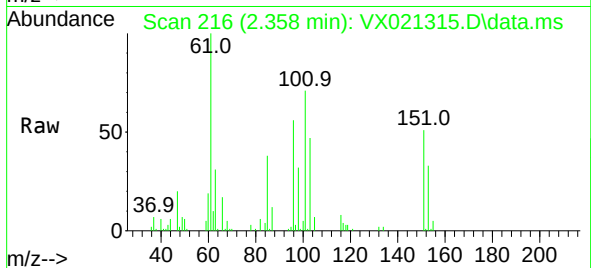
Tgt Ion: 96 Resp: 6363

Ion Ratio Lower Upper

96 100

61 177.9 124.6 187.0

98 56.6 50.6 76.0



#13

Acrolein

Concen: 3.30 ug/l

RT: 2.240 min Scan# 196

Delta R.T. -0.036 min

Lab File: VX021315.D

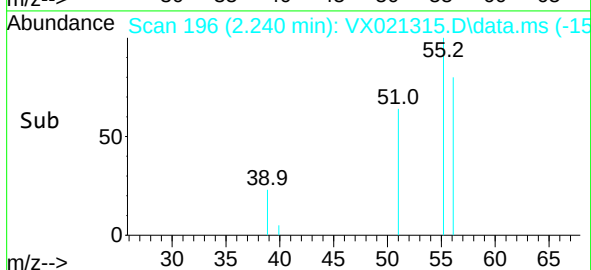
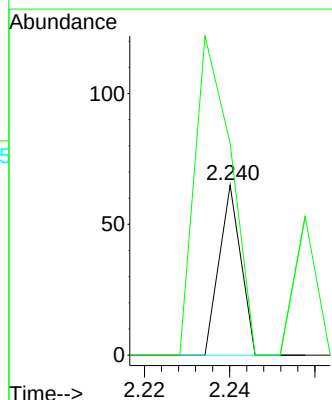
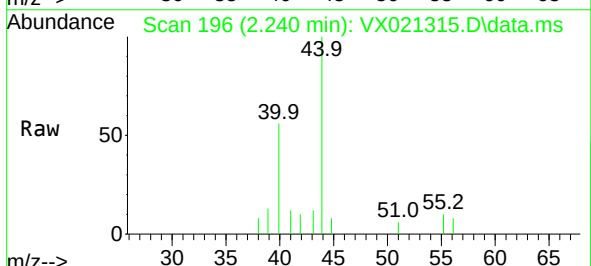
Acq: 19 Mar 2021 20:20

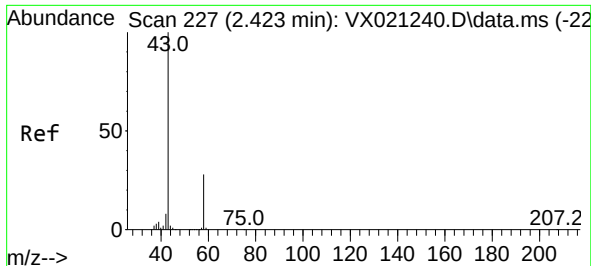
Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

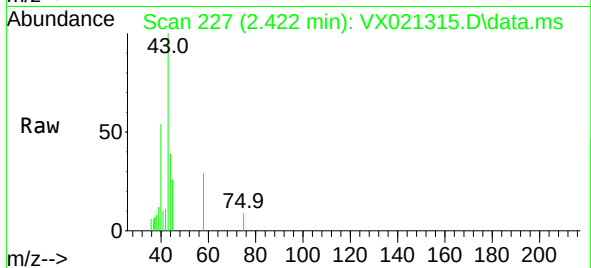
55 313.0 56.4 84.6#



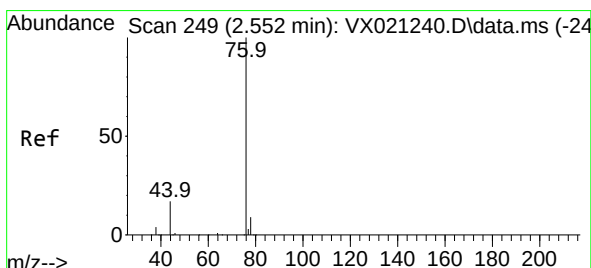
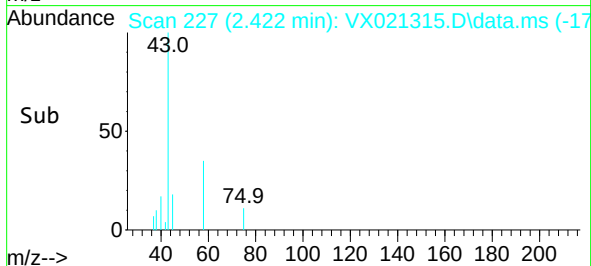
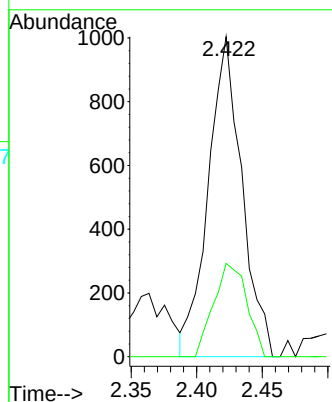


#16
Acetone
Concen: 3.72 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

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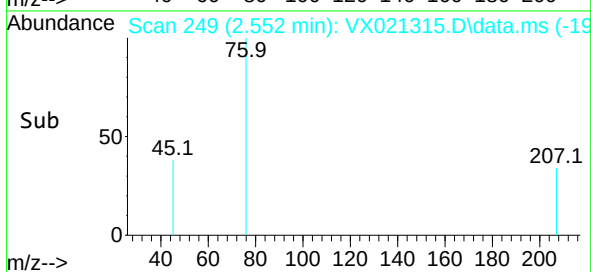
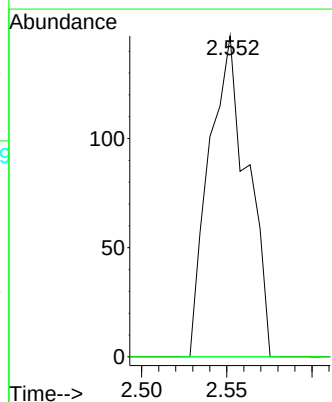
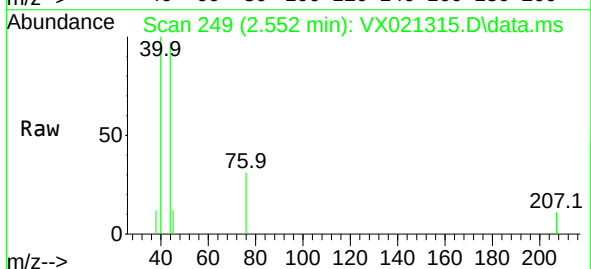


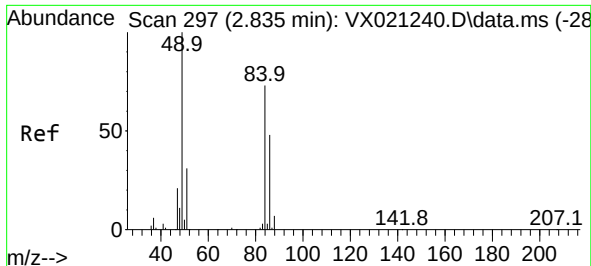
Tgt Ion: 43 Resp: 1788
Ion Ratio Lower Upper
43 100
58 29.2 27.8 41.8



#17
Carbon Disulfide
Concen: 0.63 ug/l
RT: 2.552 min Scan# 249
Delta R.T. -0.000 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

Tgt Ion: 76 Resp: 230
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.30 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.001 min

Lab File: VX021315.D

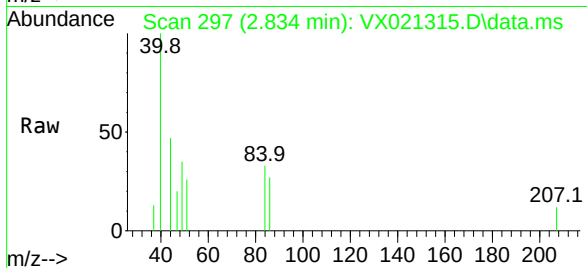
Acq: 19 Mar 2021 20:20

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20210317



Tgt Ion: 84 Resp: 301

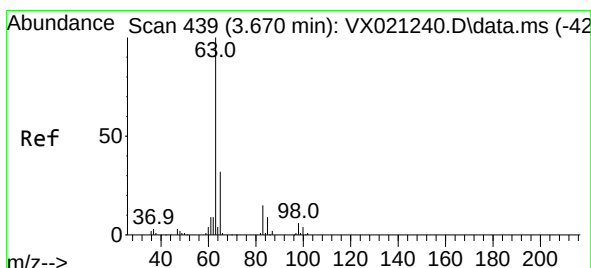
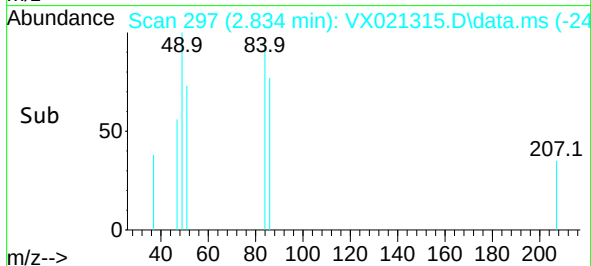
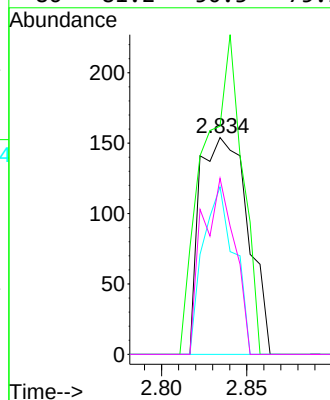
Ion Ratio Lower Upper

84 100

49 105.2 88.6 132.8

51 77.3 27.0 40.6#

86 81.2 50.3 75.5#



#24

1,1-Dichloroethane

Concen: 1.19 ug/l

RT: 3.670 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX021315.D

Acq: 19 Mar 2021 20:20

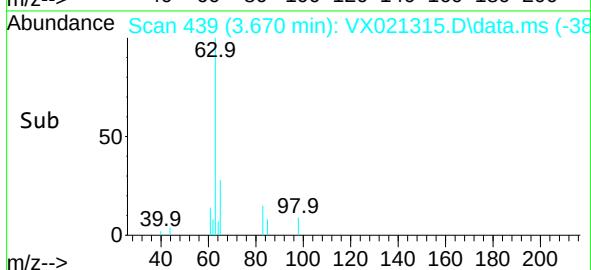
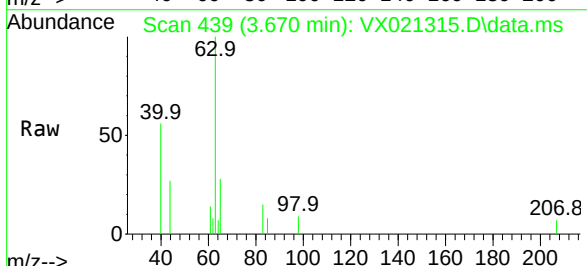
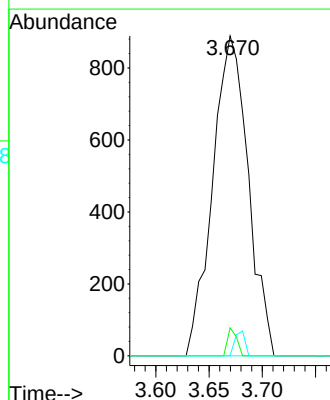
Tgt Ion: 63 Resp: 2068

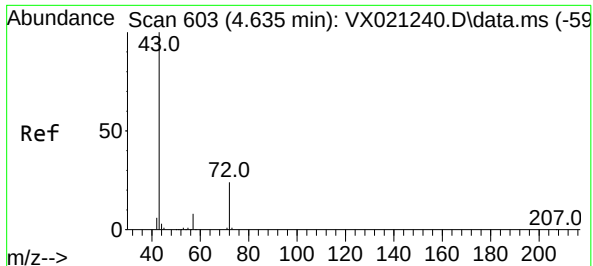
Ion Ratio Lower Upper

63 100

98 8.8 3.8 11.2

100 0.0 2.5 7.5#

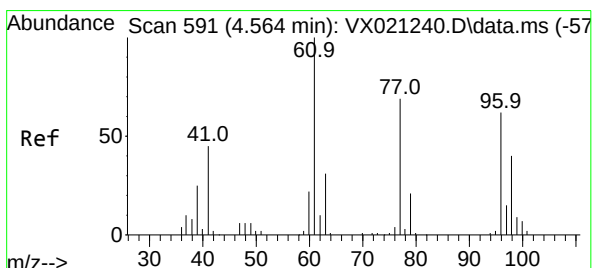
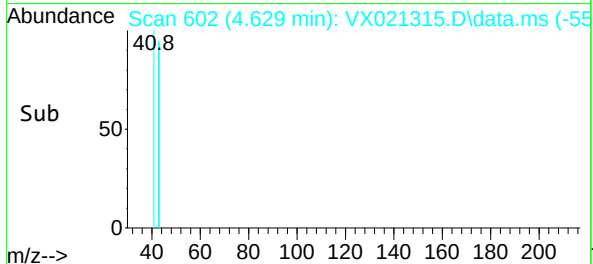
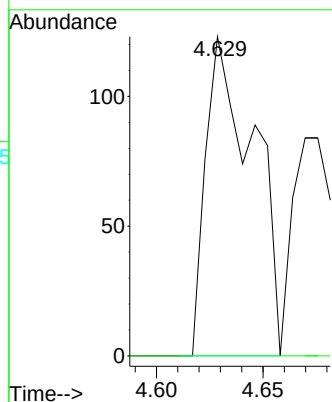
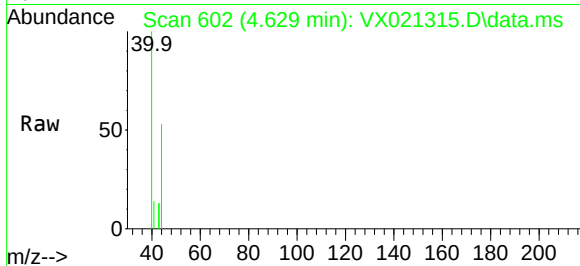




#25
2-Butanone
Concen: 0.26 ug/l
RT: 4.629 min Scan# 602
Delta R.T. -0.006 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

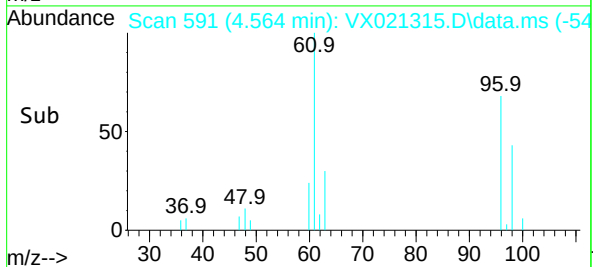
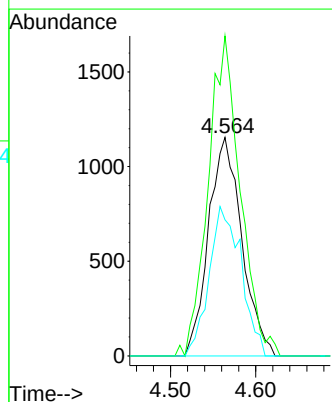
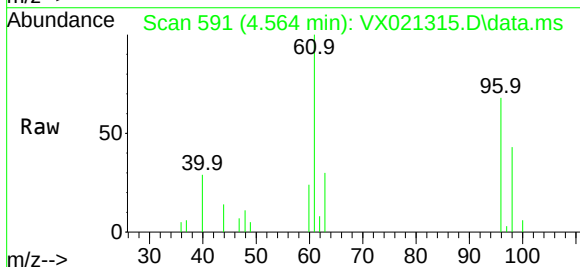
Instrument :
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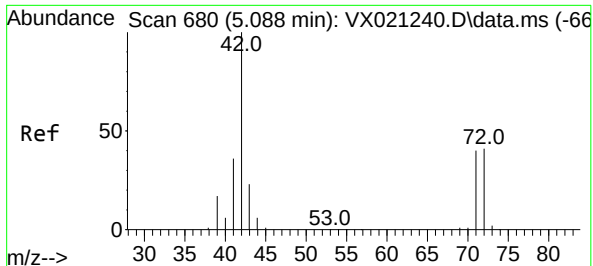
Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 3.01 ug/l
RT: 4.564 min Scan# 591
Delta R.T. -0.000 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

Tgt Ion: 96 Resp: 3132
Ion Ratio Lower Upper
96 100
61 141.3 0.0 285.6
98 65.8 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.076 min Scan# 678

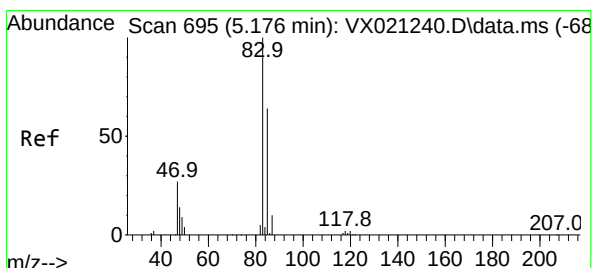
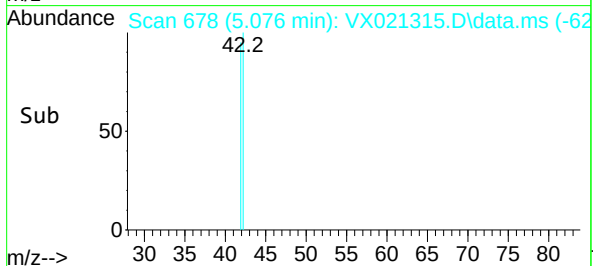
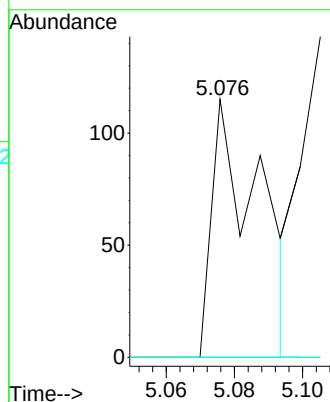
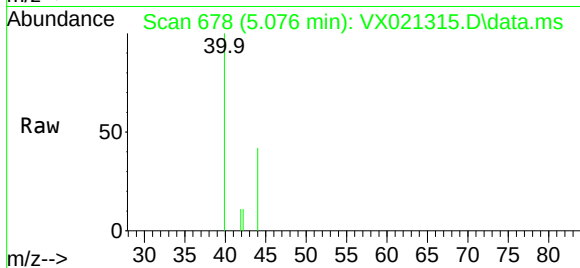
Delta R.T. -0.012 min

Lab File: VX021315.D

Acq: 19 Mar 2021 20:20

Tgt Ion:	42	Resp:	110
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20210317



#30

Chloroform

Concen: 0.50 ug/l

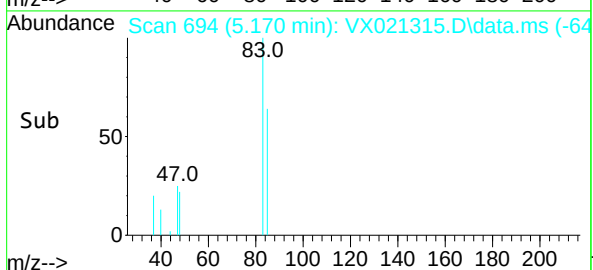
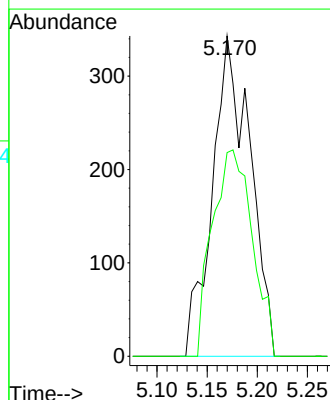
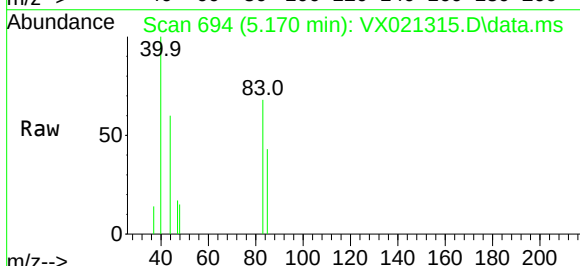
RT: 5.170 min Scan# 694

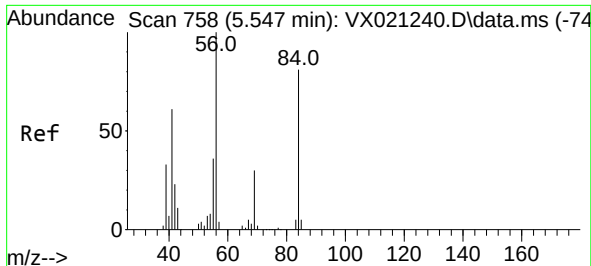
Delta R.T. -0.006 min

Lab File: VX021315.D

Acq: 19 Mar 2021 20:20

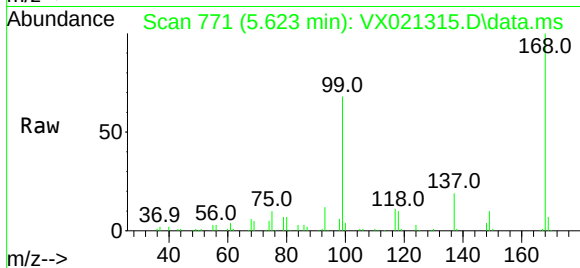
Tgt Ion:	83	Resp:	897
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.0	78.0



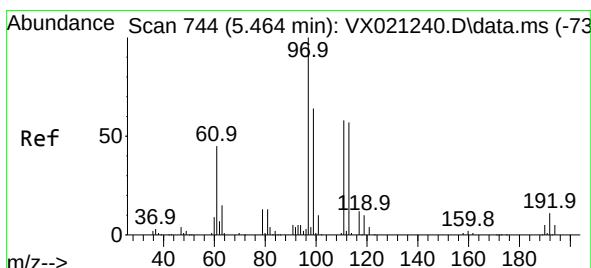
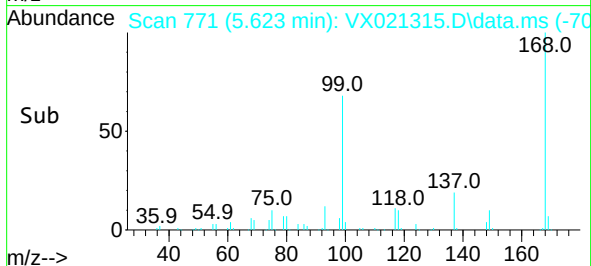
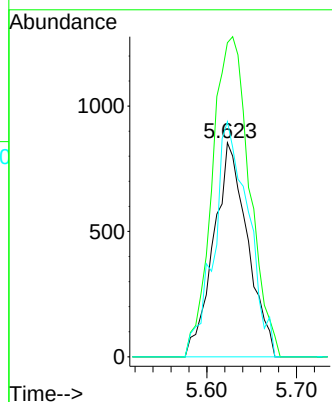


#31
Cyclohexane
Concen: 1.41 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20210317

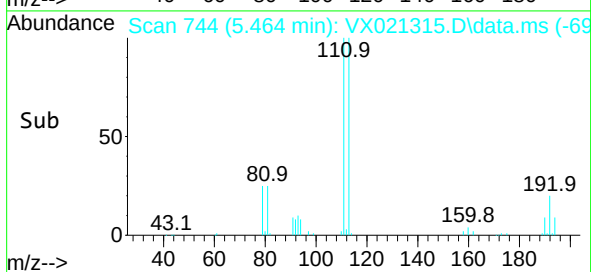
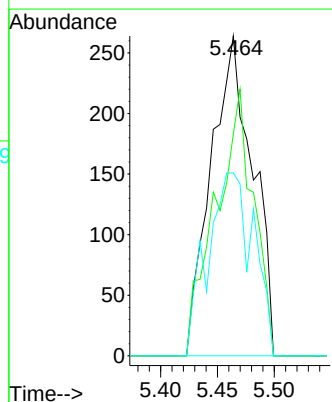
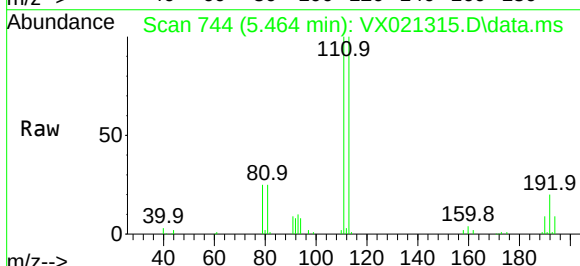


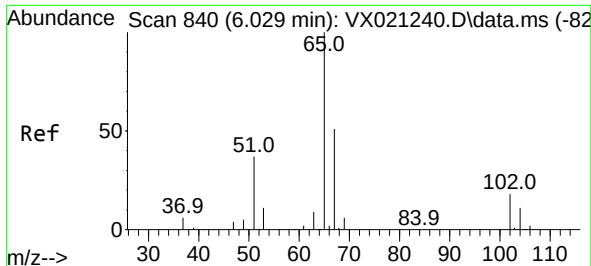
Tgt Ion: 56 Resp: 2230
Ion Ratio Lower Upper
56 100
69 146.7 25.3 37.9#
84 109.8 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 0.42 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

Tgt Ion: 97 Resp: 676
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 62.6 34.2 51.4#

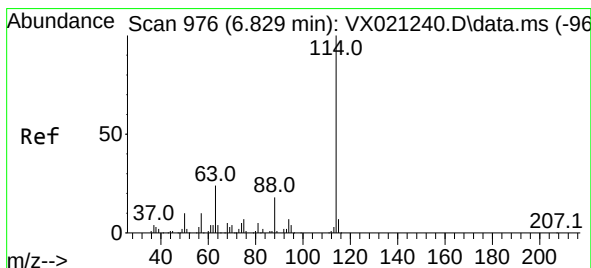
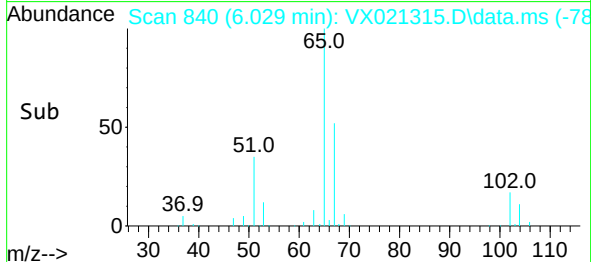
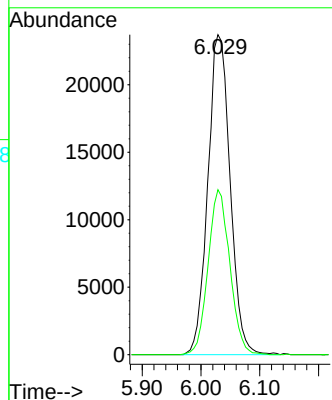
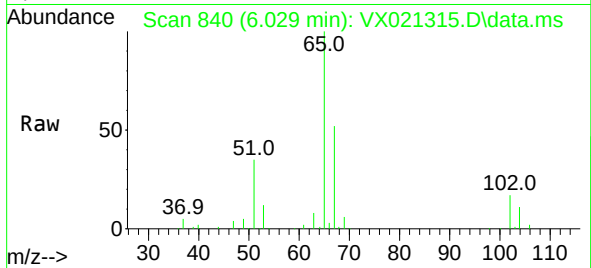




#33
 1,2-Dichloroethane-d4
 Concen: 47.87 ug/l
 RT: 6.029 min Scan# 840
 Delta R.T. -0.000 min
 Lab File: VX021315.D
 Acq: 19 Mar 2021 20:20

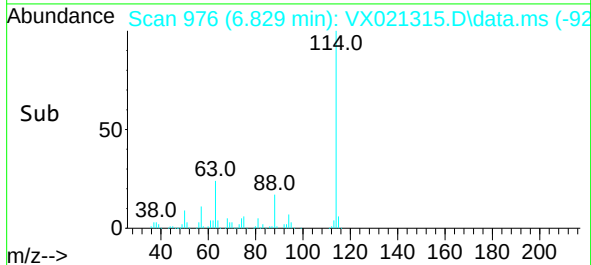
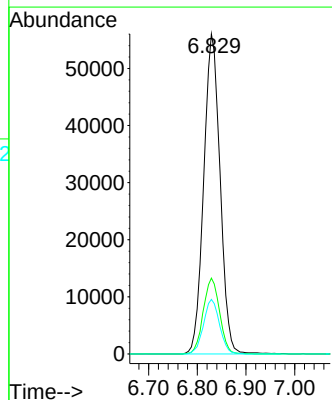
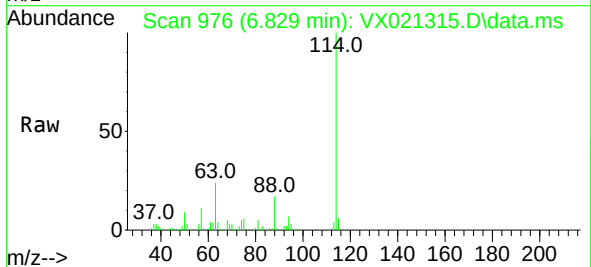
Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20210317

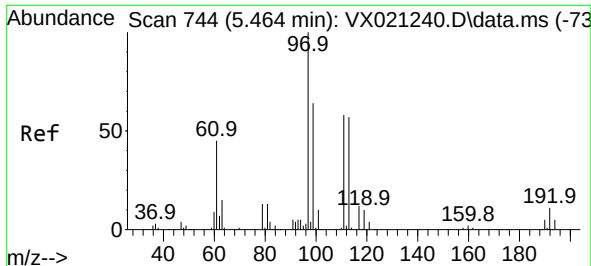
Tgt Ion: 65 Resp: 62525
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.829 min Scan# 976
 Delta R.T. -0.000 min
 Lab File: VX021315.D
 Acq: 19 Mar 2021 20:20

Tgt Ion: 114 Resp: 130599
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 40.8
 88 17.1 0.0 32.8

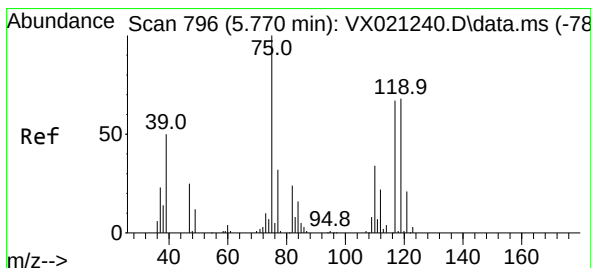
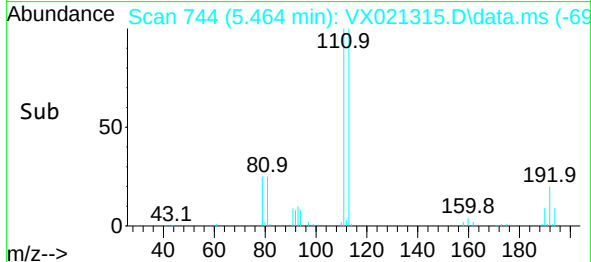
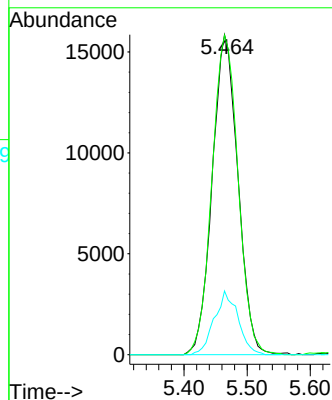
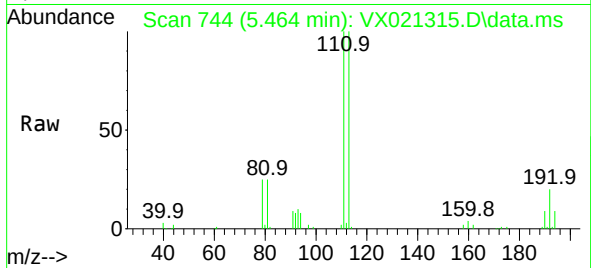




#35
Dibromofluoromethane
Concen: 50.38 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

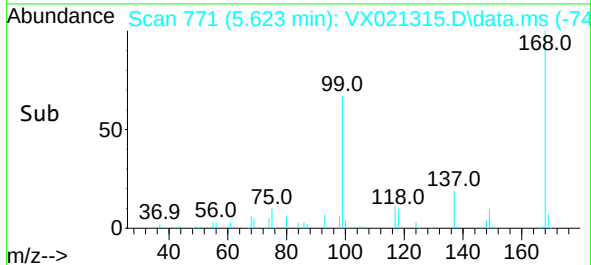
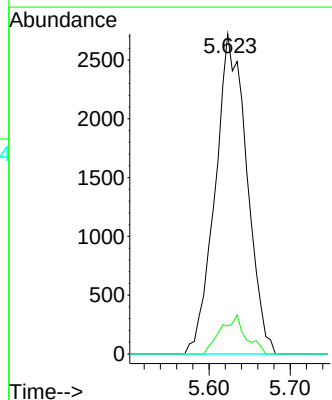
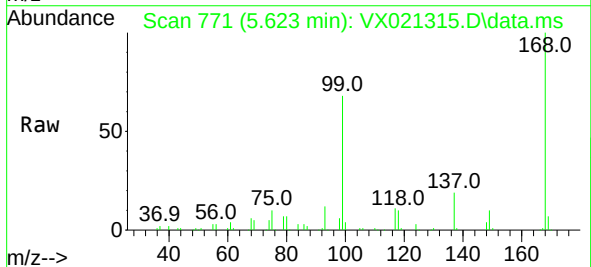
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20210317

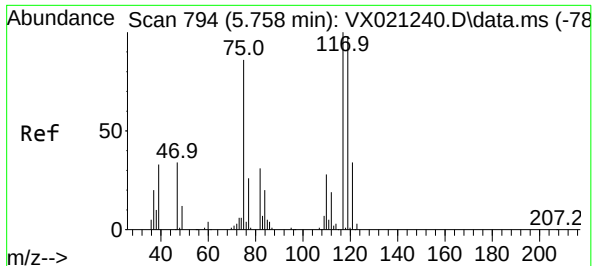
Tgt Ion:113 Resp: 44770
Ion Ratio Lower Upper
113 100
111 101.5 81.9 122.9
192 18.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.60 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

Tgt Ion: 75 Resp: 7368
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.0 25.3 37.9#

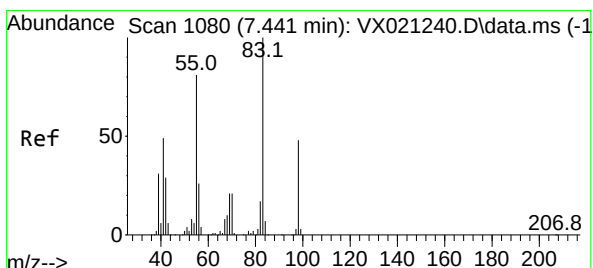
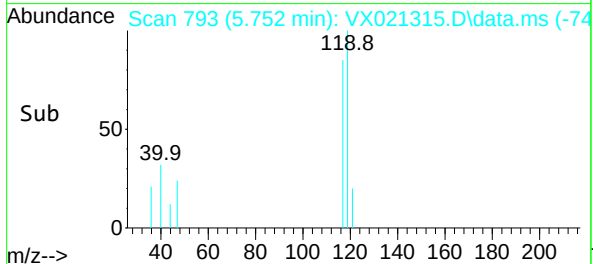
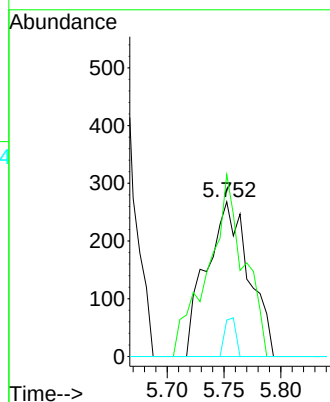
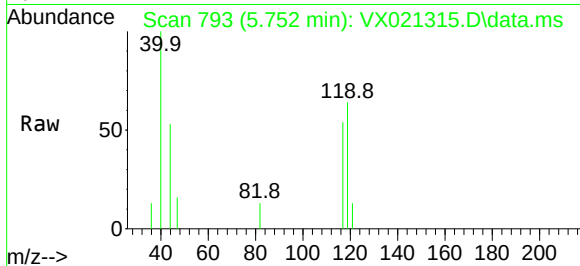




#38
Carbon Tetrachloride
Concen: 0.51 ug/l
RT: 5.752 min Scan# 793
Delta R.T. -0.006 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

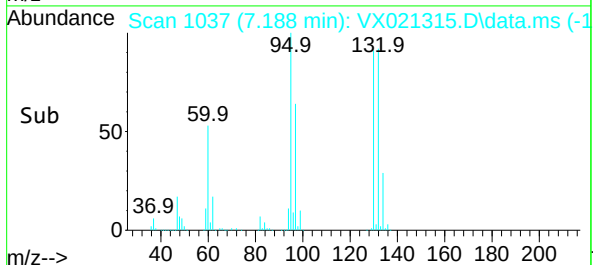
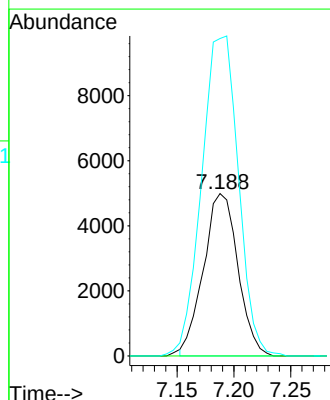
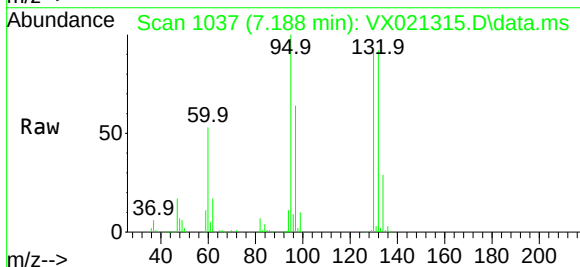
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20210317

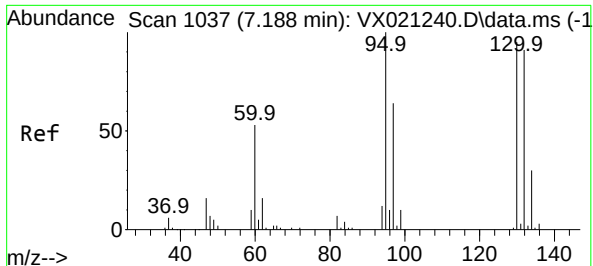
Tgt Ion:117 Resp: 694
Ion Ratio Lower Upper
117 100
119 117.5 76.2 114.2#
121 23.5 24.8 37.2#



#39
Methylcyclohexane
Concen: 7.19 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.253 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

Tgt Ion: 83 Resp: 10507
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 197.3 38.1 57.1#

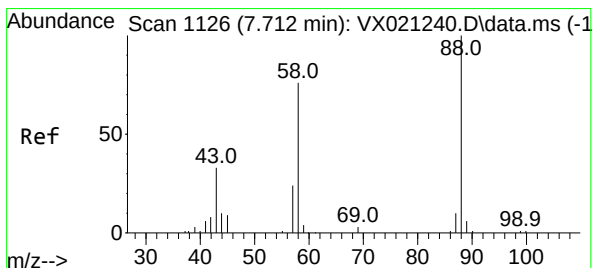
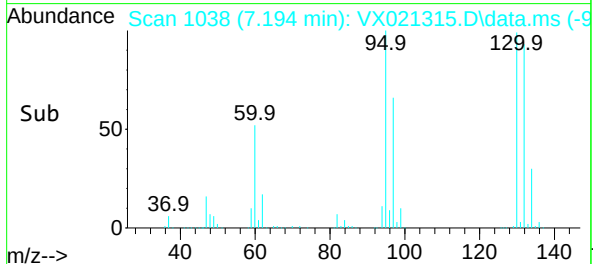
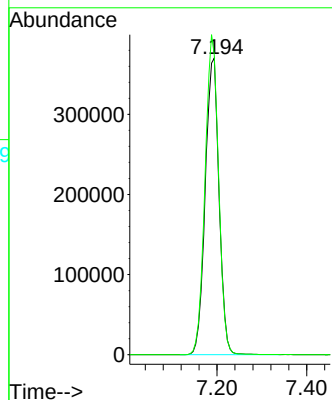
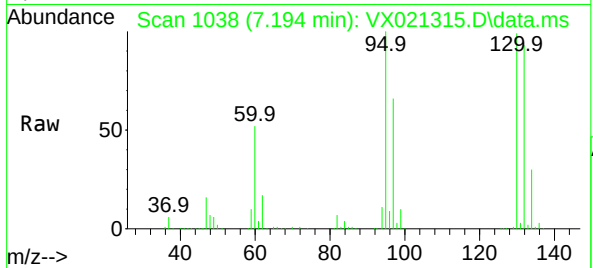




#44
Trichloroethene
Concen: 819.88 ug/l
RT: 7.194 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

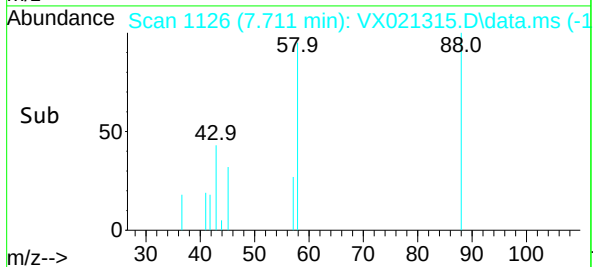
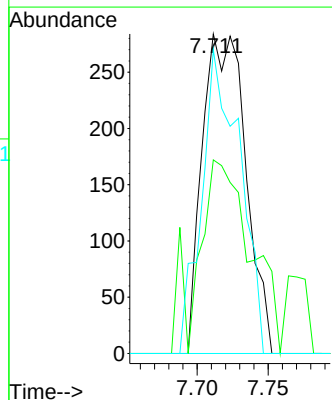
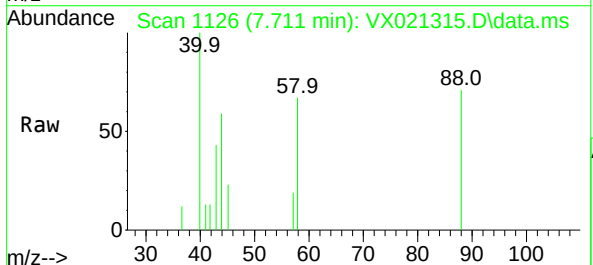
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20210317

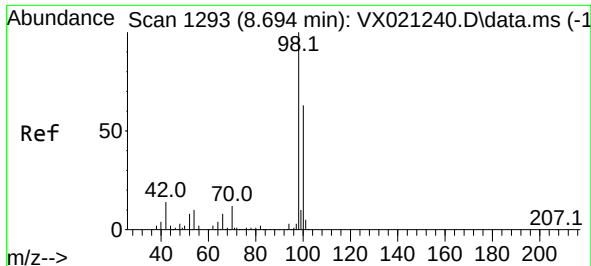
Tgt Ion:130 Resp: 789749
Ion Ratio Lower Upper
130 100
95 101.1 0.0 198.0



#49
1,4-Dioxane
Concen: 15.72 ug/l
RT: 7.711 min Scan# 1126
Delta R.T. -0.001 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

Tgt Ion: 88 Resp: 604
Ion Ratio Lower Upper
88 100
43 67.1 23.2 34.8#
58 83.9 55.0 82.4#

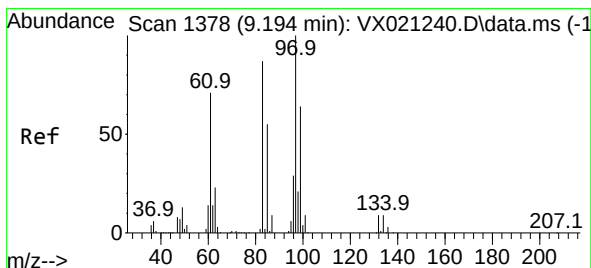
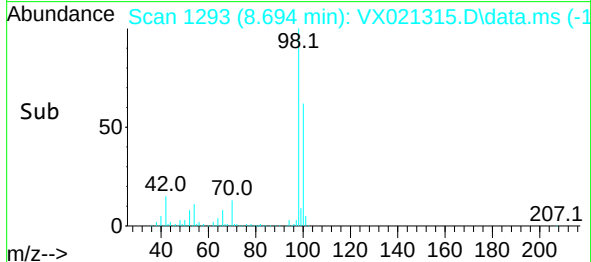
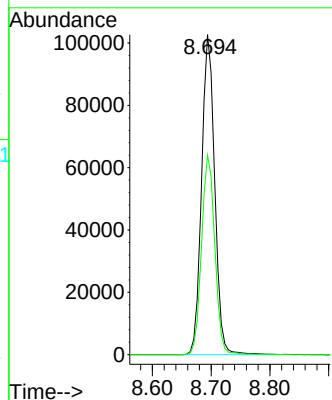
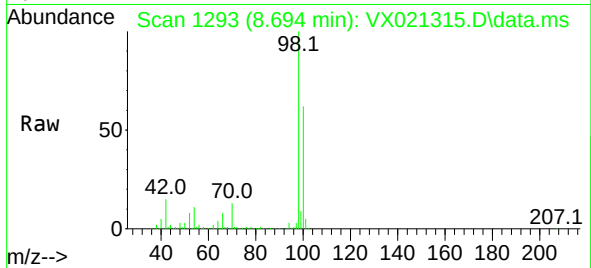




#50
Toluene-d8
Concen: 49.33 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

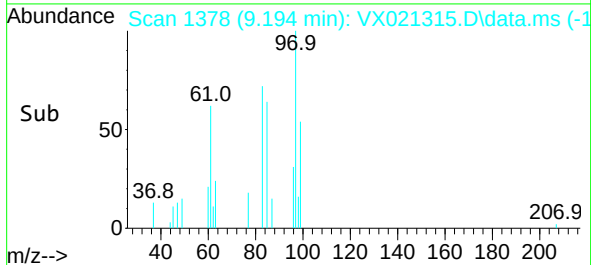
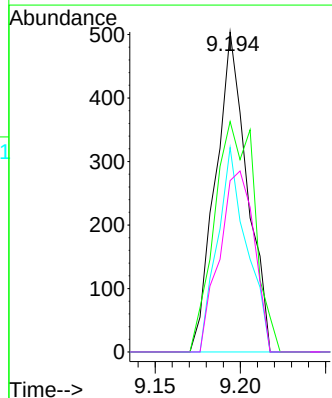
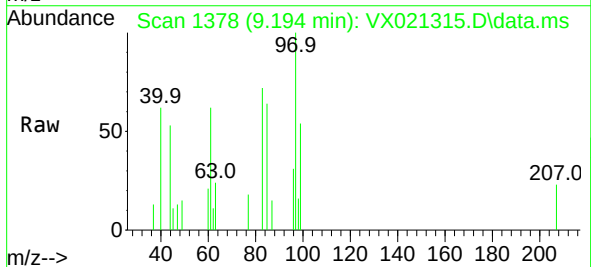
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20210317

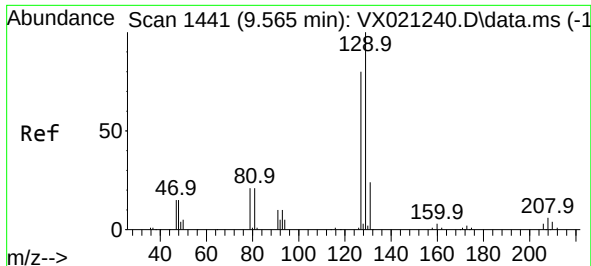
Tgt Ion: 98 Resp: 159065
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



#55
1,1,2-Trichloroethane
Concen: 0.71 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

Tgt Ion: 97 Resp: 649
Ion Ratio Lower Upper
97 100
83 72.0 69.3 103.9
85 63.9 44.3 66.5
99 53.6 50.3 75.5

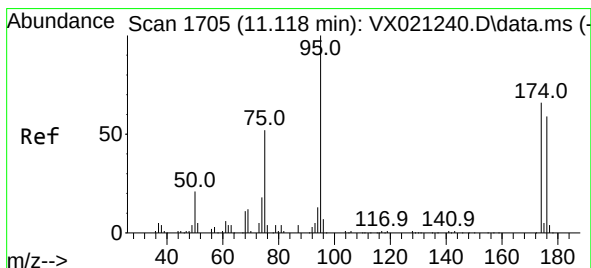
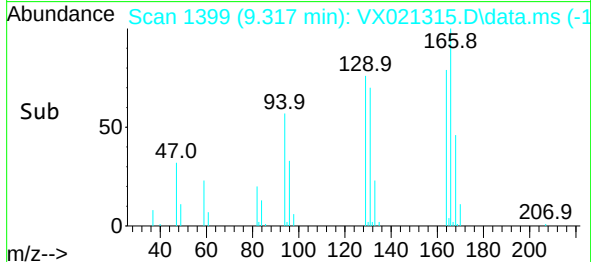
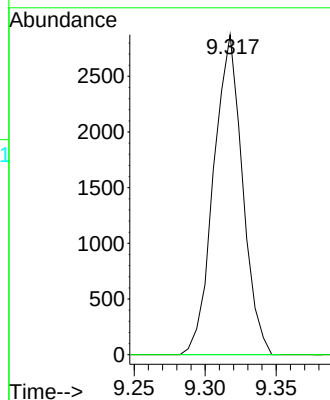
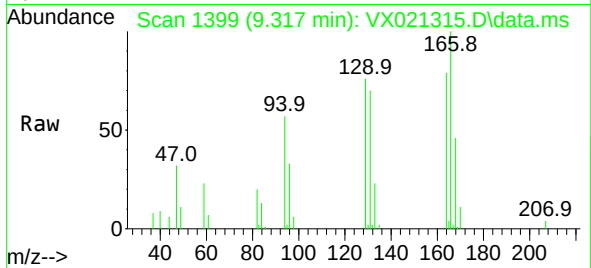




#60
Dibromochloromethane
Concen: 3.89 ug/l
RT: 9.317 min Scan# 1399
Delta R.T. -0.248 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

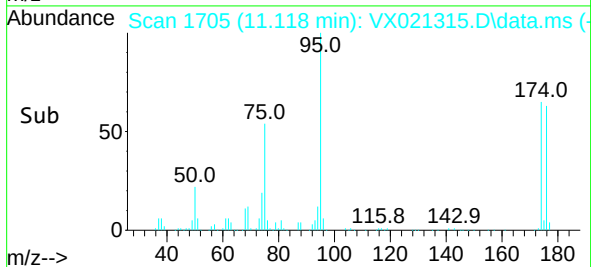
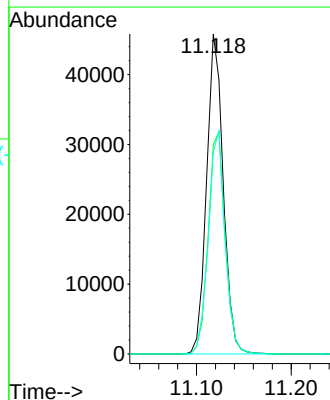
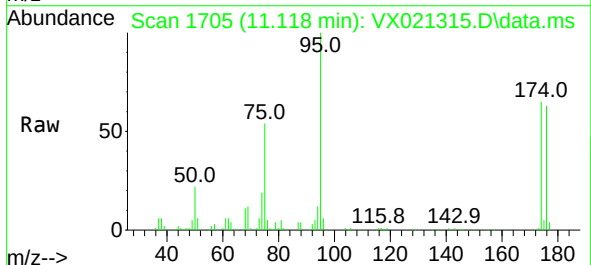
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20210317

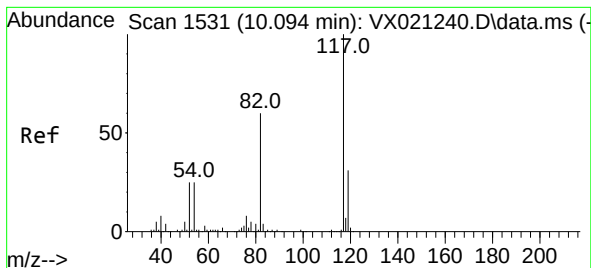
Tgt Ion:129 Resp: 4065
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 44.45 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

Tgt Ion: 95 Resp: 55663
Ion Ratio Lower Upper
95 100
174 71.3 0.0 154.6
176 69.6 0.0 155.8

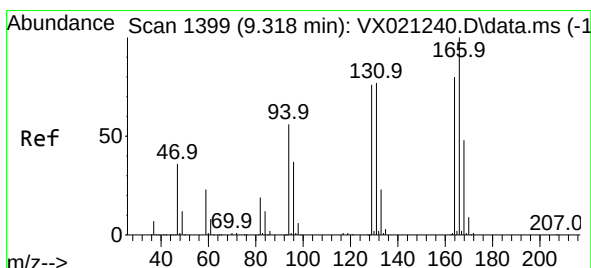
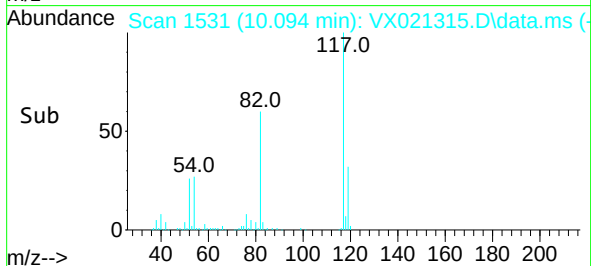
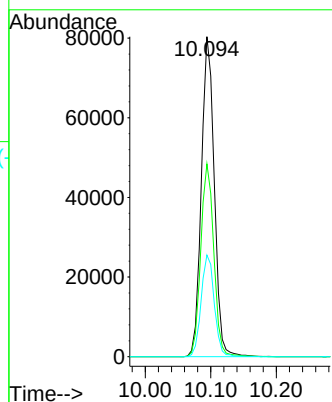
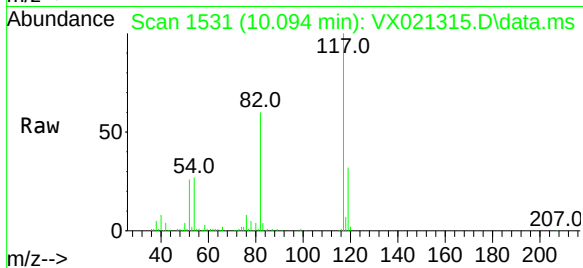




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

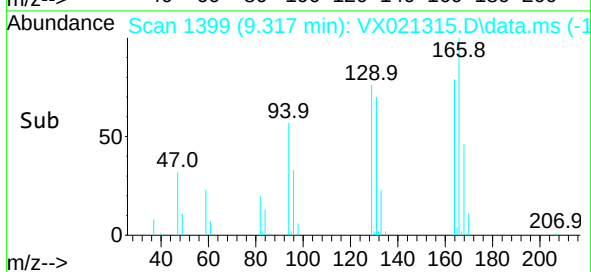
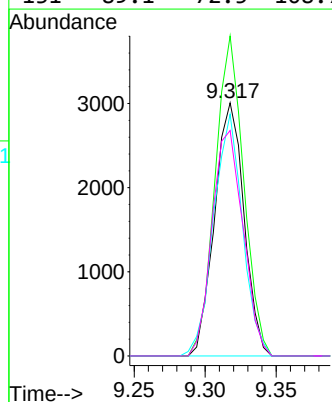
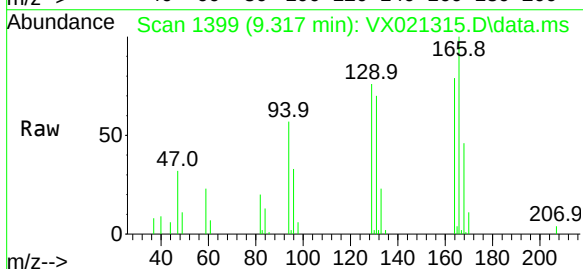
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20210317

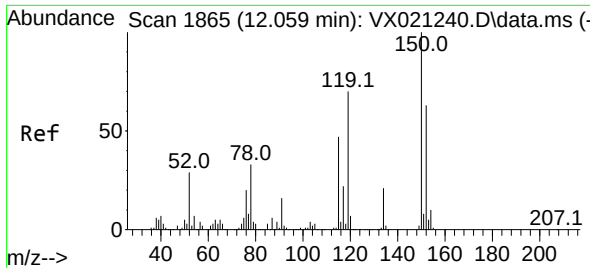
Tgt Ion:117 Resp: 110572
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 31.8 26.6 39.8



#64
Tetrachloroethene
Concen: 5.24 ug/l
RT: 9.317 min Scan# 1399
Delta R.T. -0.001 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

Tgt Ion:164 Resp: 4325
Ion Ratio Lower Upper
164 100
166 126.4 103.4 155.2
129 95.5 70.8 106.2
131 89.1 72.5 108.7

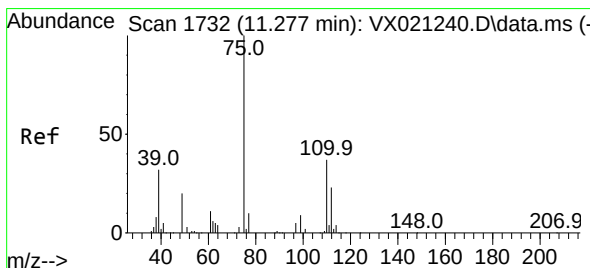
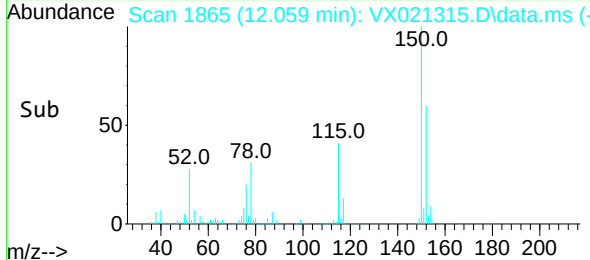
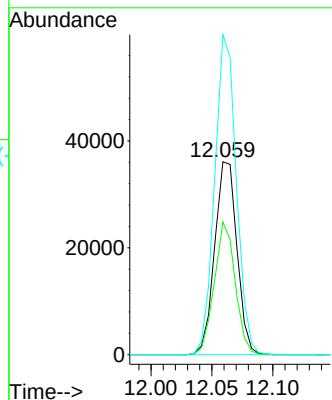
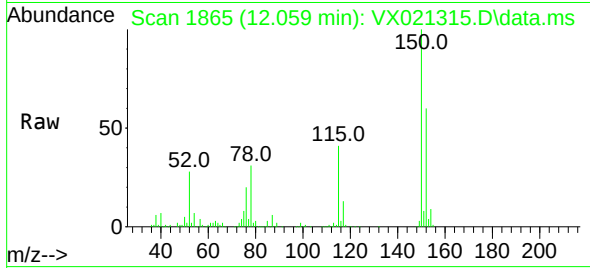




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

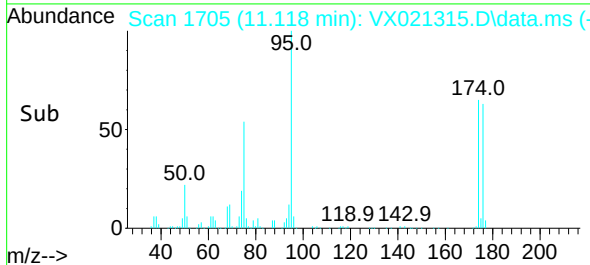
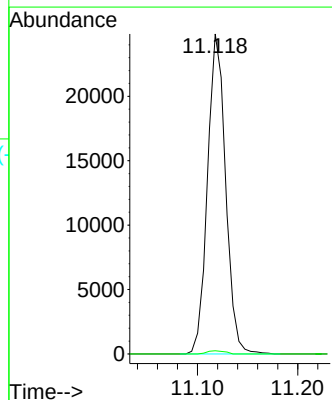
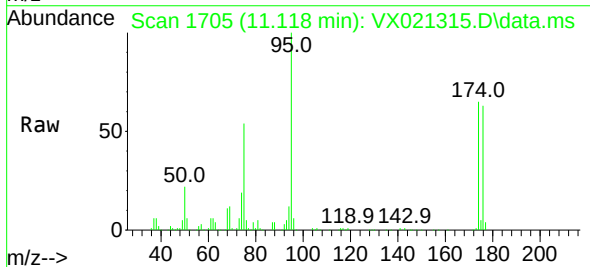
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20210317

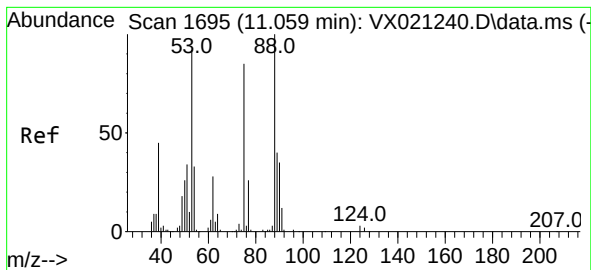
Tgt Ion:152 Resp: 46024
Ion Ratio Lower Upper
152 100
115 64.5 41.1 123.3
150 160.9 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 29.27 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021315.D
Acq: 19 Mar 2021 20:20

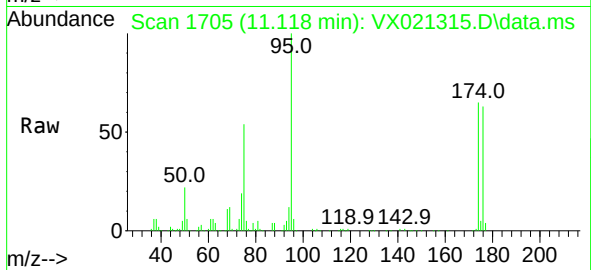
Tgt Ion: 75 Resp: 31245
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.46 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021315.D
 Acq: 19 Mar 2021 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20210317



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

