

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021330.D
 Acq On : 20 Mar 2021 06:39
 Operator : JC/MD
 Sample : M1735-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20210315

Quant Time: Mar 20 07:56:56 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)

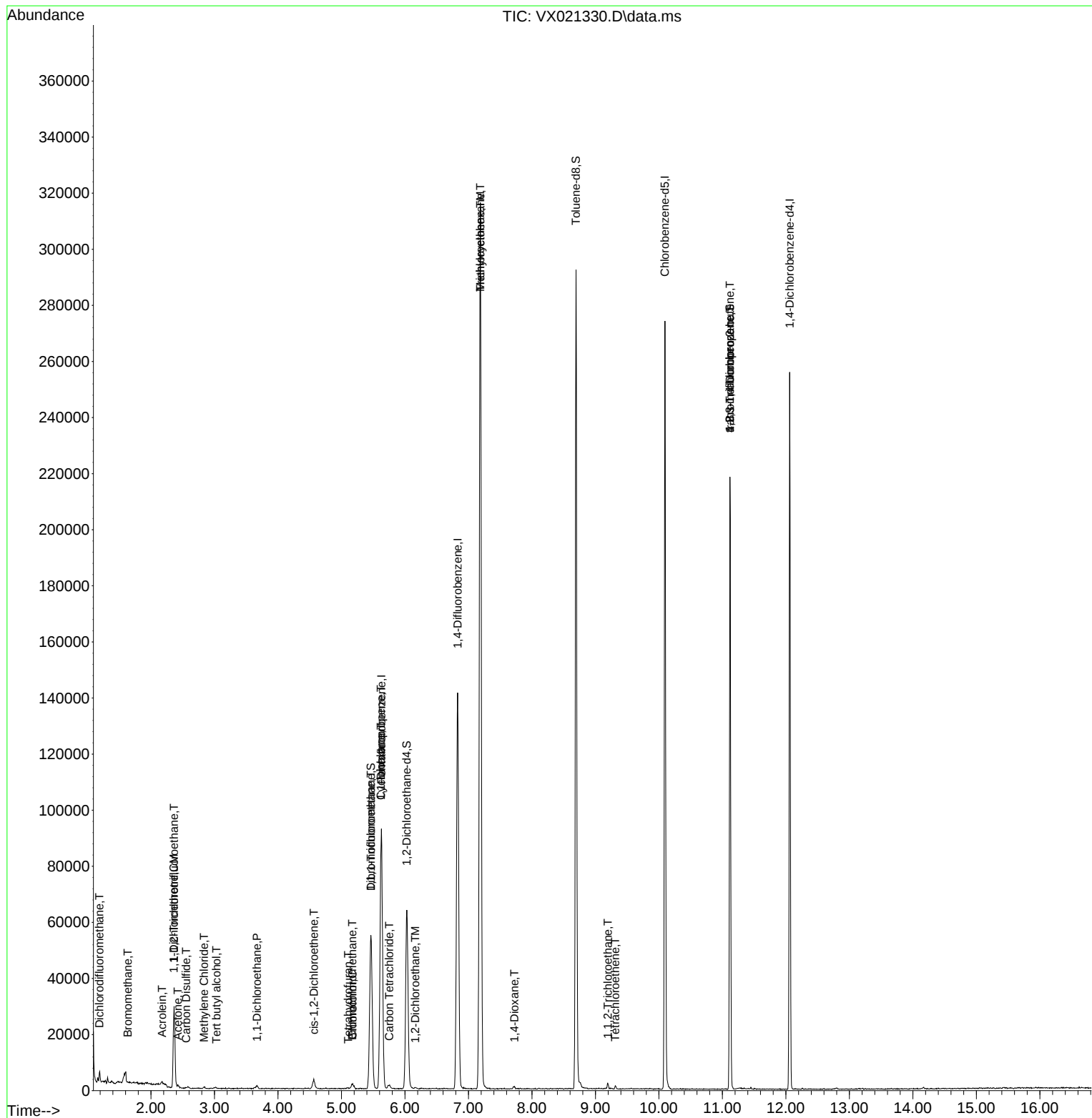
Internal Standards						
1) Pentafluorobenzene	5.629	168	77859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	132631	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	112619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	46045	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	63897	50.04	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.08%	
35) Dibromofluoromethane	5.464	113	45097	49.97	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.94%	
50) Toluene-d8	8.694	98	161199	49.23	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.46%	
62) 4-Bromofluorobenzene	11.118	95	55707	43.81	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.62%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.187	85	1184	1.27	ug/l	87
3) Chloromethane	1.316	50	1980	Below Cal		93
5) Bromomethane	1.634	94	95	0.23	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.364	101	9359	11.50	ug/l	96
11) Tert butyl alcohol	3.028	59	371	1.73	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	1794	2.26	ug/l	84
13) Acrolein	2.175	56	24	3.31	ug/l #	1
16) Acetone	2.422	43	801	1.70	ug/l	90
17) Carbon Disulfide	2.552	76	156	0.60	ug/l #	75
20) Methylene Chloride	2.834	84	207	0.21	ug/l #	72
24) 1,1-Dichloroethane	3.670	63	1267	0.75	ug/l #	90
27) cis-1,2-Dichloroethene	4.564	96	1713	1.68	ug/l	97
28) Bromochloromethane	5.170	49	195	0.24	ug/l #	9
29) Tetrahydrofuran	5.105	42	260	0.54	ug/l #	40
30) Chloroform	5.176	83	1793	1.01	ug/l	96
31) Cyclohexane	5.623	56	2374	1.54	ug/l #	45
32) 1,1,1-Trichloroethane	5.464	97	569	0.36	ug/l #	50
36) 1,1-Dichloropropene	5.623	75	7342	5.49	ug/l #	50
38) Carbon Tetrachloride	5.752	117	984	0.71	ug/l	89
39) Methylcyclohexane	7.188	83	1591	1.07	ug/l #	1
42) 1,2-Dichloroethane	6.164	62	460	0.29	ug/l #	73
44) Trichloroethene	7.188	130	110101	112.55	ug/l	93
49) 1,4-Dioxane	7.723	88	538	12.40	ug/l #	69
55) 1,1,2-Trichloroethane	9.194	97	468	0.50	ug/l #	91
64) Tetrachloroethene	9.312	164	179	0.21	ug/l #	84
76) 1,2,3-Trichloropropane	11.118	75	31829	29.80	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31829	80.90	ug/l #	12

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

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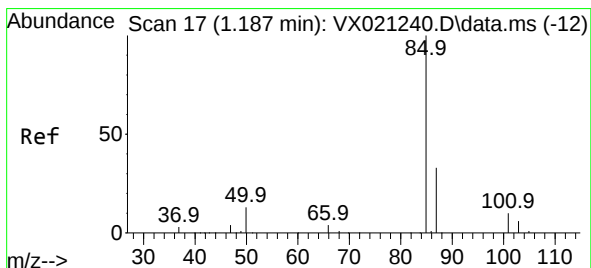
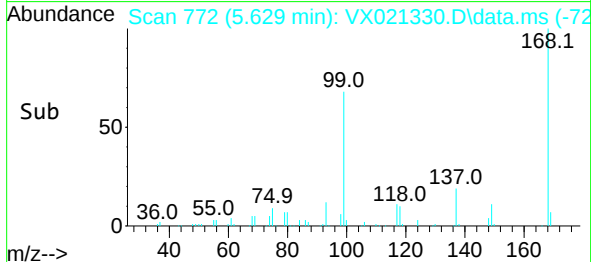
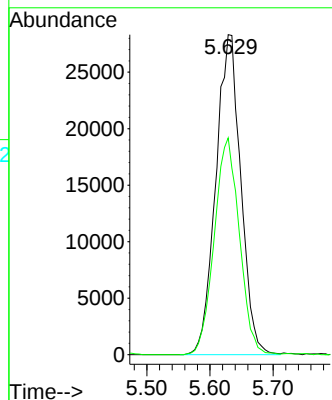
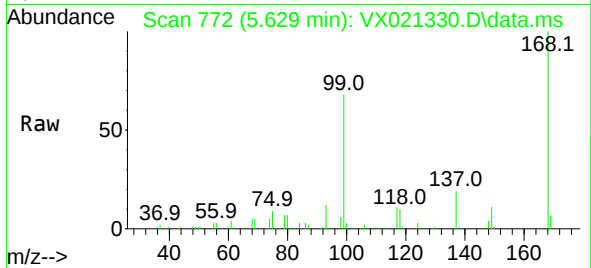




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

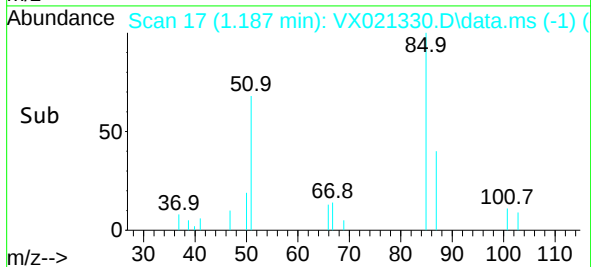
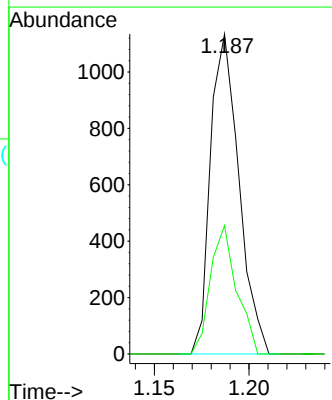
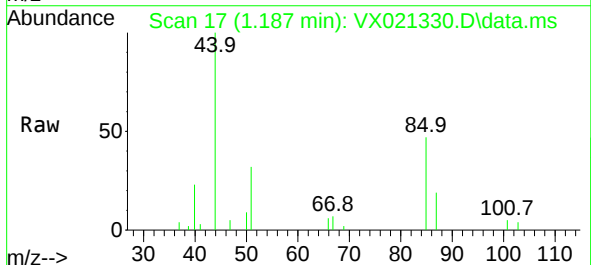
Instrument :
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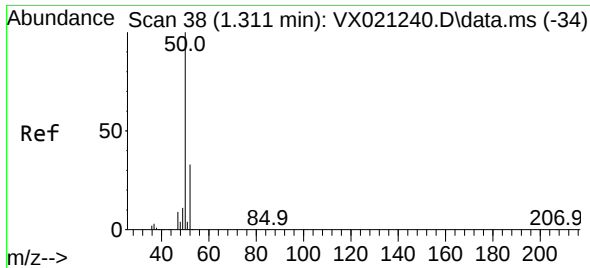
Tgt Ion:168 Resp: 77859
Ion Ratio Lower Upper
168 100
99 67.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.27 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

Tgt Ion: 85 Resp: 1184
Ion Ratio Lower Upper
85 100
87 40.1 16.4 49.2

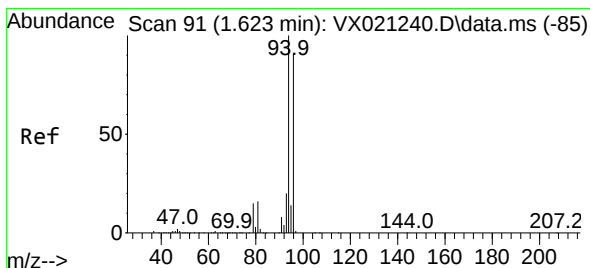
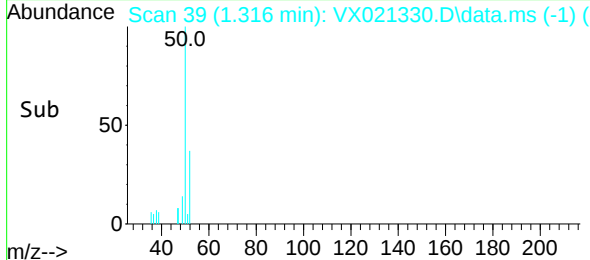
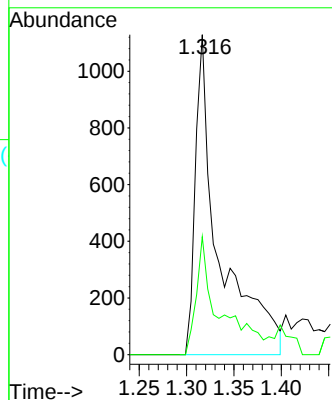
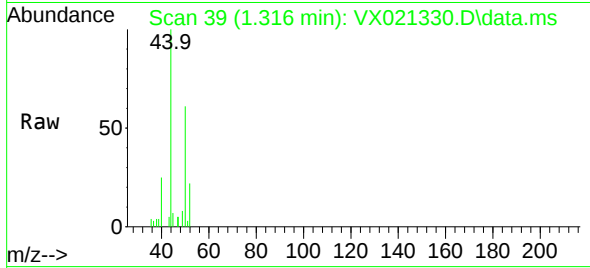




#3
Chloromethane
Concen: Below Cal
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

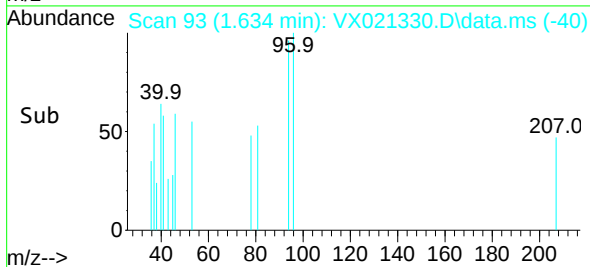
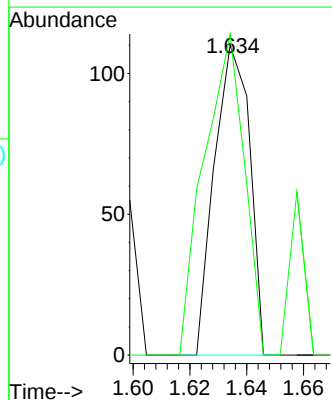
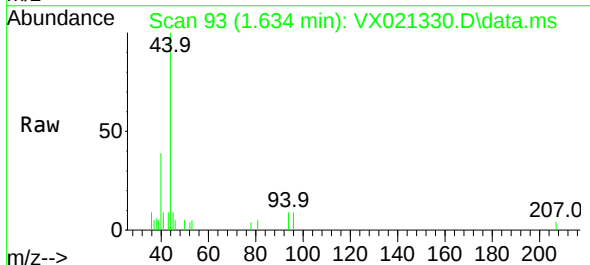
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210315

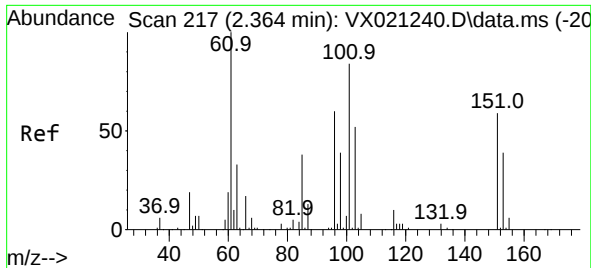
Tgt Ion: 50 Resp: 1980
Ion Ratio Lower Upper
50 100
52 36.8 26.4 39.6



#5
Bromomethane
Concen: 0.23 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

Tgt Ion: 94 Resp: 95
Ion Ratio Lower Upper
94 100
96 103.6 76.4 114.6

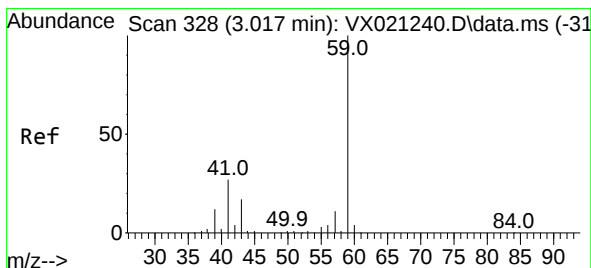
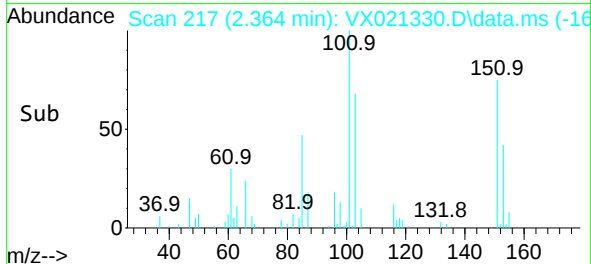
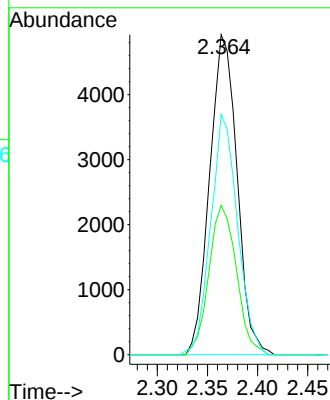
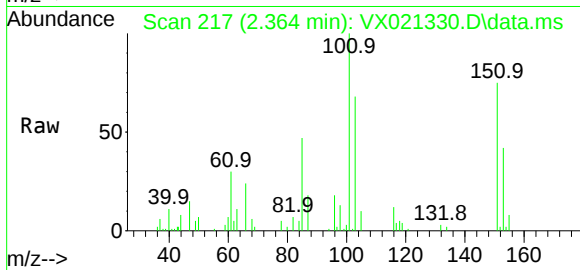




#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.50 ug/l
RT: 2.364 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

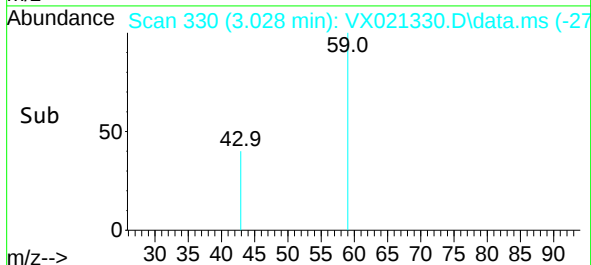
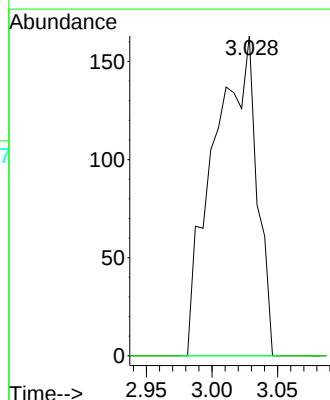
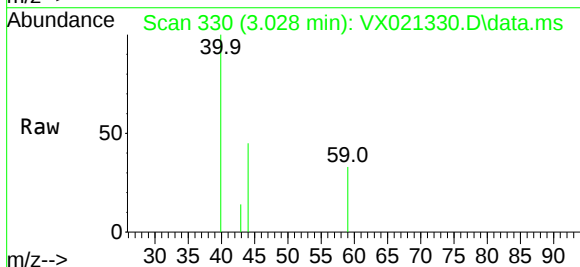
Instrument :
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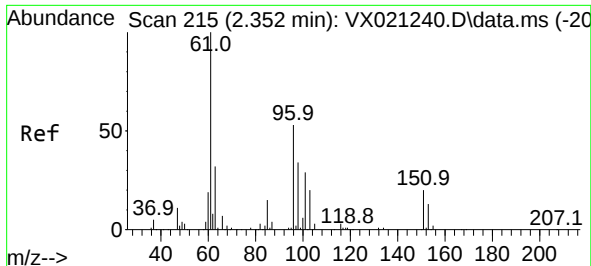
Tgt Ion:101 Resp: 9359
Ion Ratio Lower Upper
101 100
85 46.8 34.9 52.3
151 73.5 61.4 92.2



#11
Tert butyl alcohol
Concen: 1.73 ug/l
RT: 3.028 min Scan# 330
Delta R.T. 0.011 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

Tgt Ion: 59 Resp: 371
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

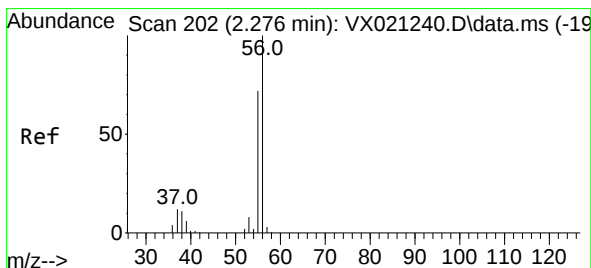
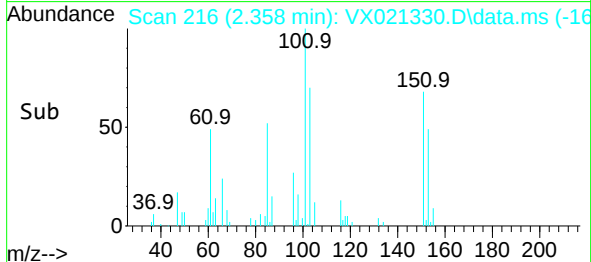
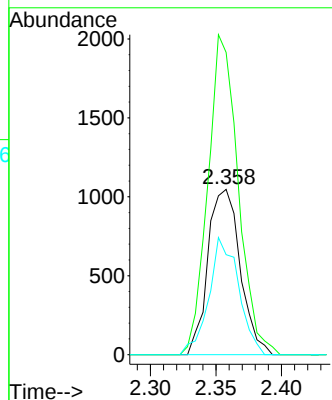
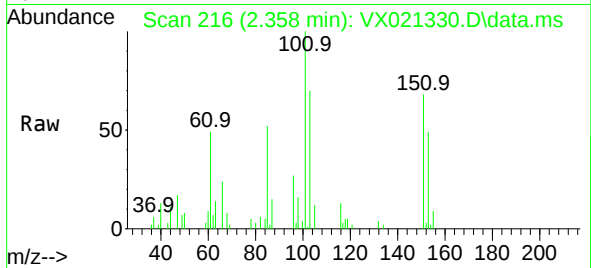




#12
1,1-Dichloroethene
Concen: 2.26 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

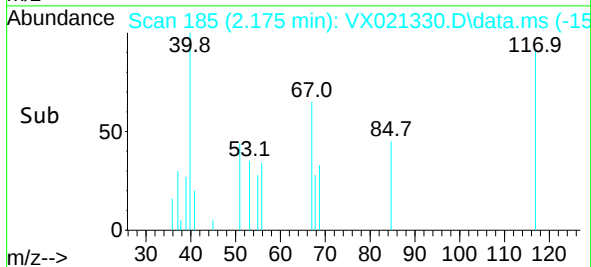
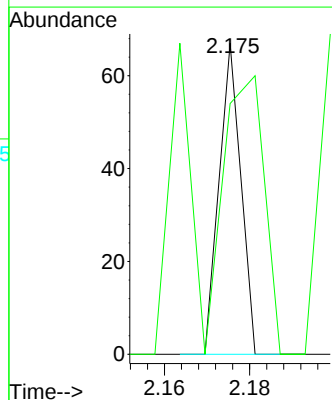
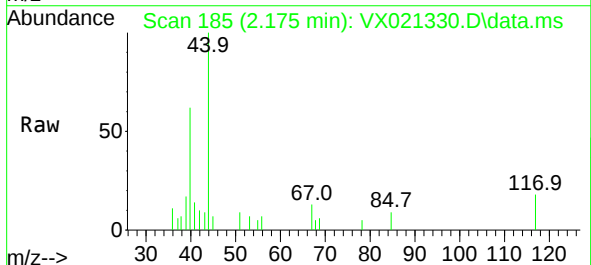
Instrument :
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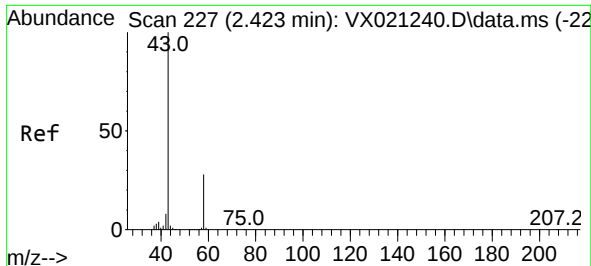
Tgt Ion: 96 Resp: 1794
Ion Ratio Lower Upper
96 100
61 182.9 124.6 187.0
98 60.5 50.6 76.0



#13
Acrolein
Concen: 3.31 ug/l
RT: 2.175 min Scan# 185
Delta R.T. -0.101 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

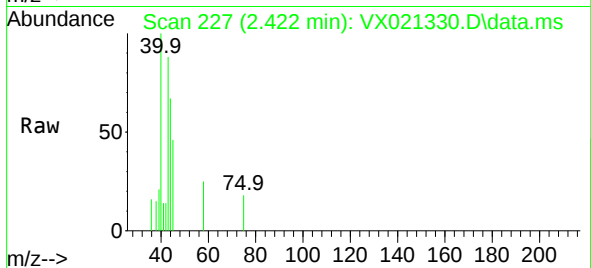
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 166.7 56.4 84.6#



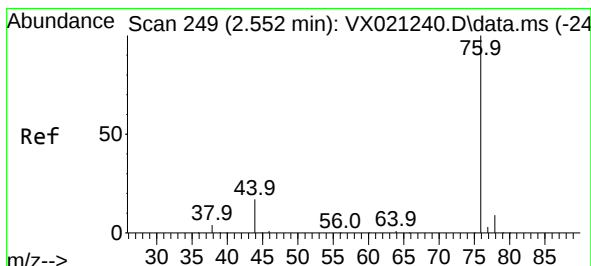
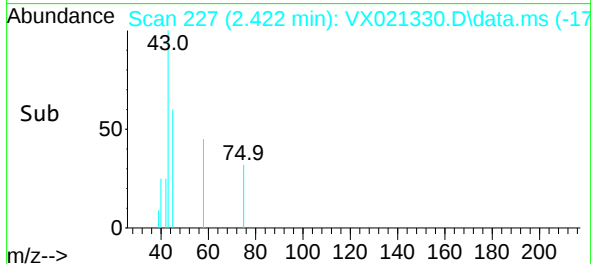
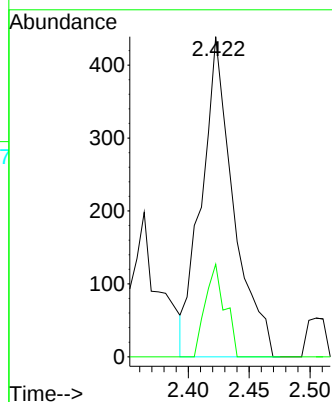


#16
Acetone
Concen: 1.70 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

Instrument :
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ClientSampleId :
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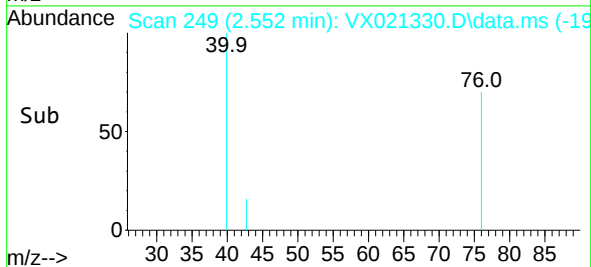
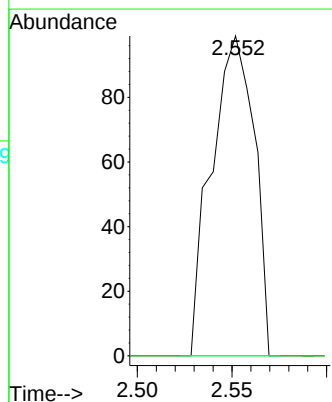
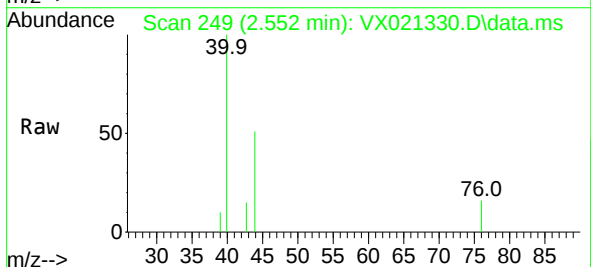


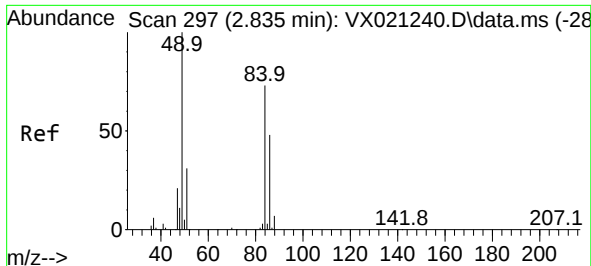
Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
58 28.9 27.8 41.8



#17
Carbon Disulfide
Concen: 0.60 ug/l
RT: 2.552 min Scan# 249
Delta R.T. -0.000 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

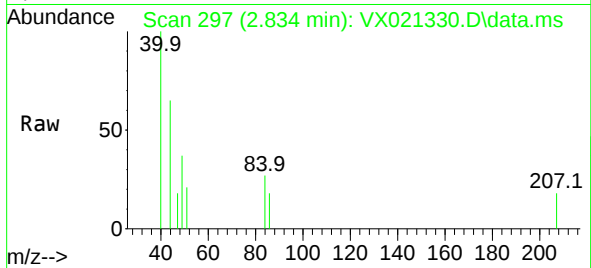
Tgt Ion: 76 Resp: 156
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



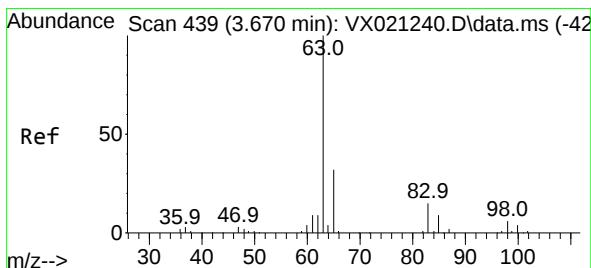
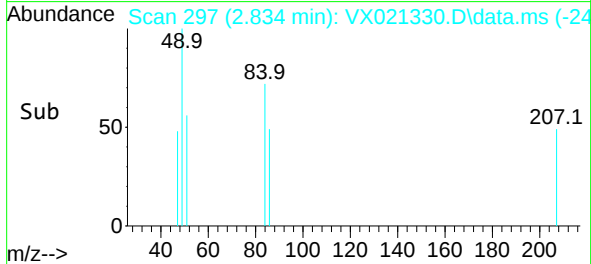
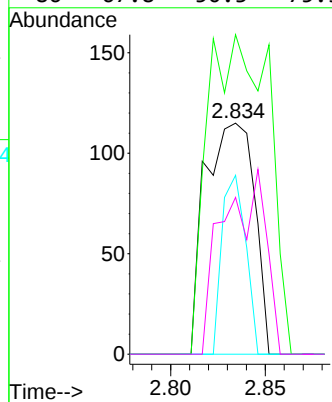


#20
Methylene Chloride
Concen: 0.21 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.001 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

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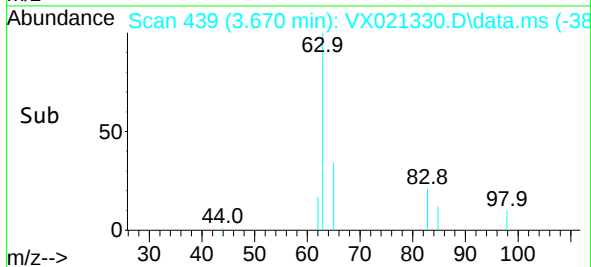
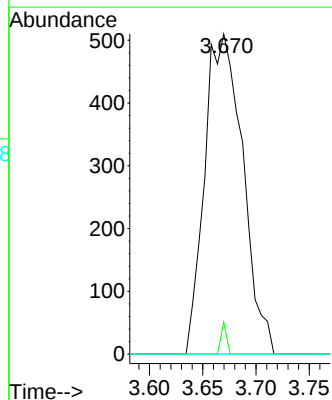
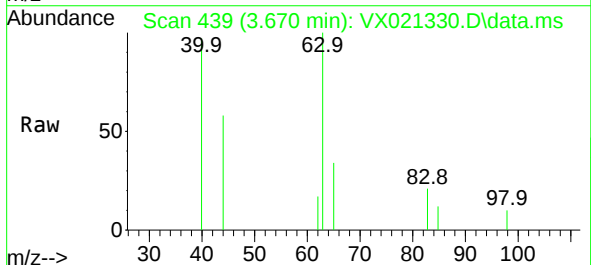


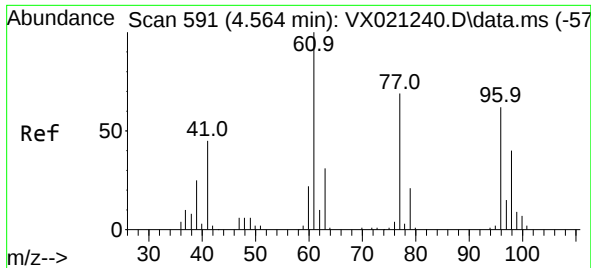
Tgt Ion:	84	Resp:	207
Ion	Ratio	Lower	Upper
84	100		
49	138.3	88.6	132.8#
51	77.4	27.0	40.6#
86	67.8	50.3	75.5



#24
1,1-Dichloroethane
Concen: 0.75 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

Tgt Ion:	63	Resp:	1267
Ion	Ratio	Lower	Upper
63	100		
98	10.0	3.8	11.2
100	0.0	2.5	7.5#





#27

cis-1,2-Dichloroethene

Concen: 1.68 ug/l

RT: 4.564 min Scan# 591

Delta R.T. -0.000 min

Lab File: VX021330.D

Acq: 20 Mar 2021 06:39

Tgt Ion: 96 Resp: 1713

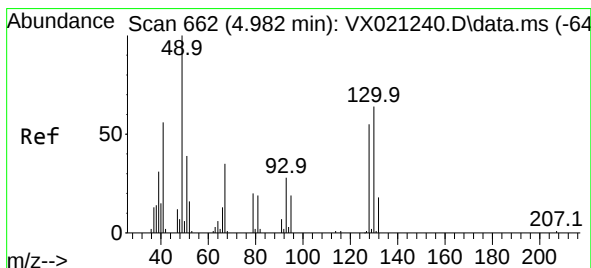
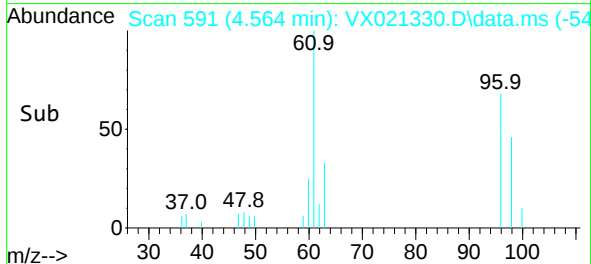
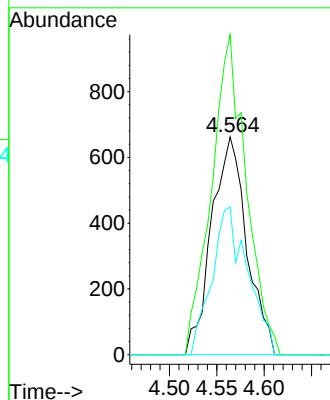
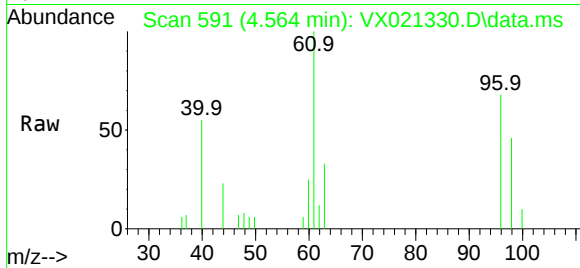
Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	285.6
98	69.1	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20210315



#28

Bromochloromethane

Concen: 0.24 ug/l

RT: 5.170 min Scan# 694

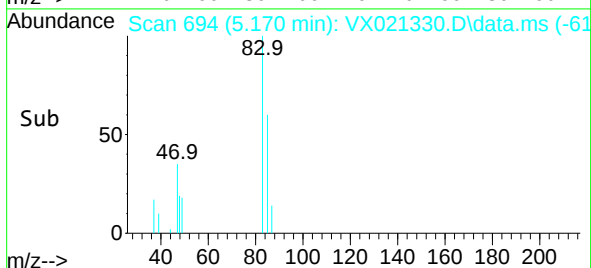
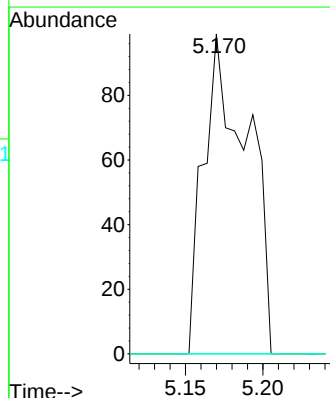
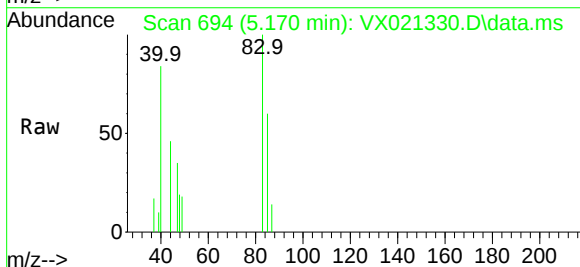
Delta R.T. 0.188 min

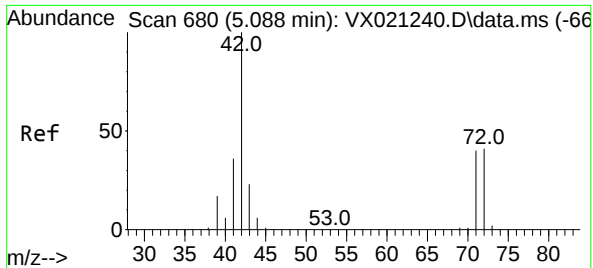
Lab File: VX021330.D

Acq: 20 Mar 2021 06:39

Tgt Ion: 49 Resp: 195

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	68.2	102.2#

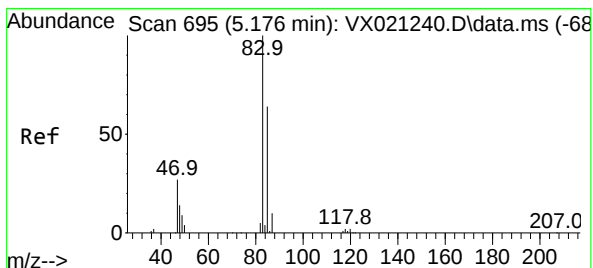
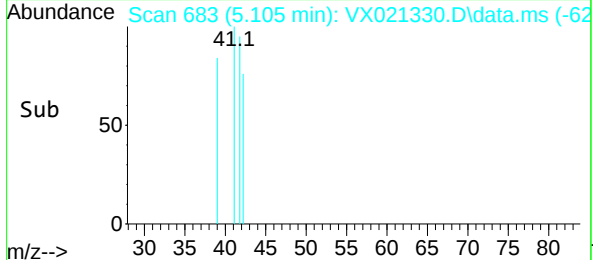
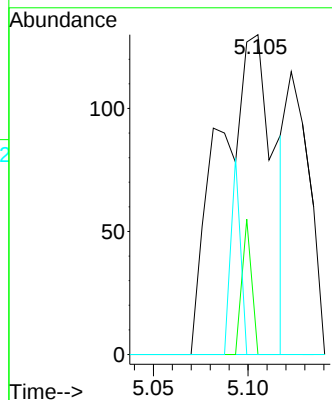
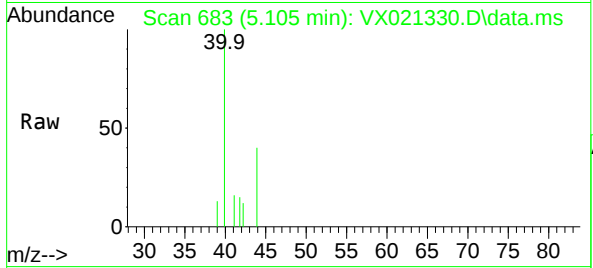




#29
Tetrahydrofuran
Concen: 0.54 ug/l
RT: 5.105 min Scan# 683
Delta R.T. 0.017 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

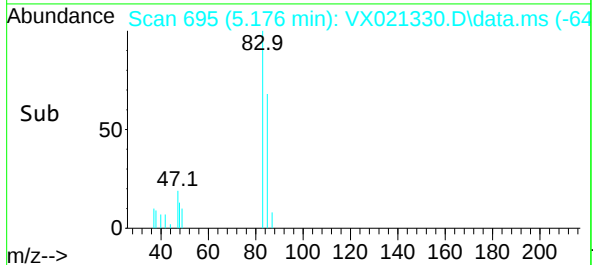
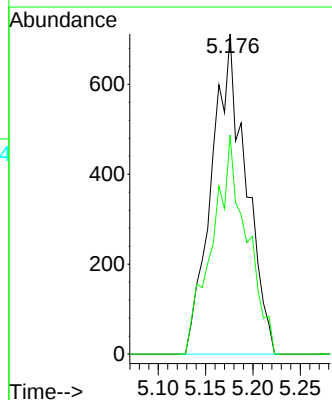
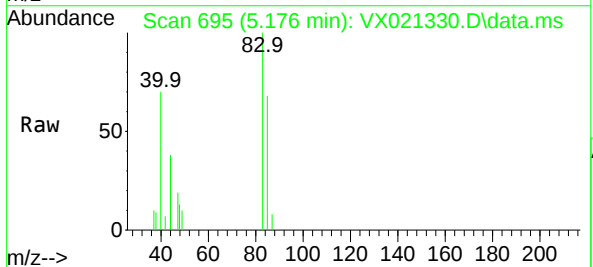
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210315

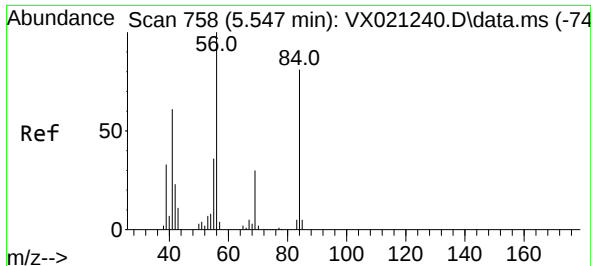
Tgt Ion: 42	Resp: 260
Ion Ratio	Lower Upper
42 100	
72 7.3	41.7 62.5#
71 10.8	38.4 57.6#



#30
Chloroform
Concen: 1.01 ug/l
RT: 5.176 min Scan# 695
Delta R.T. -0.000 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

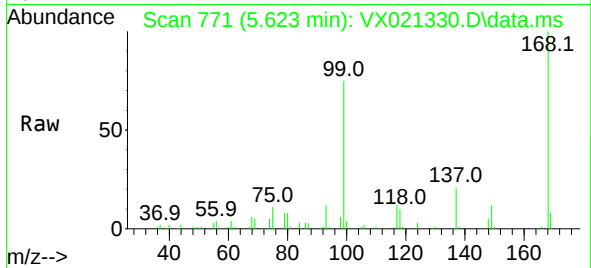
Tgt Ion: 83	Resp: 1793
Ion Ratio	Lower Upper
83 100	
85 68.4	52.0 78.0



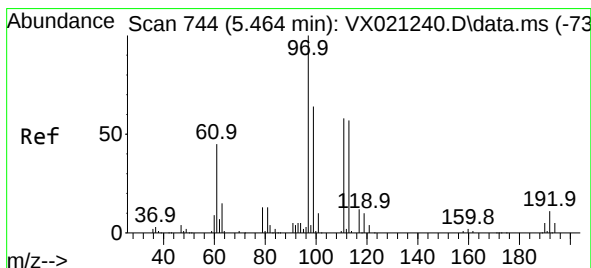
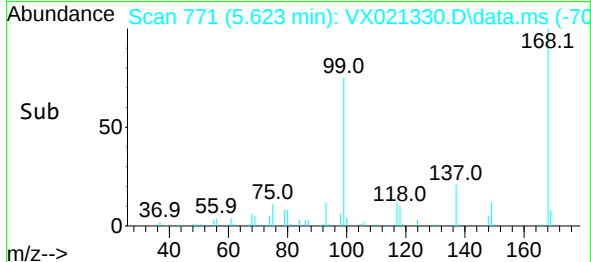
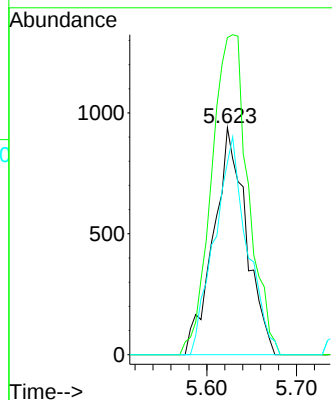


#31
Cyclohexane
Concen: 1.54 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210315

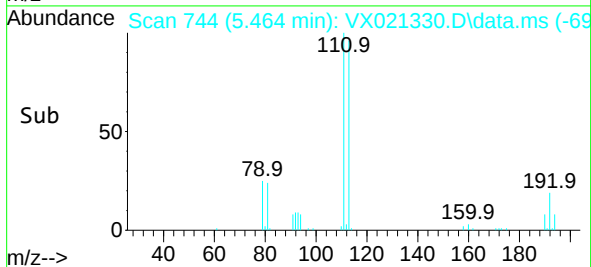
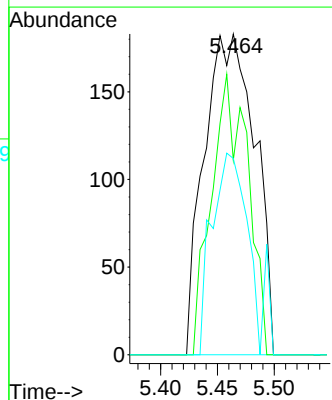
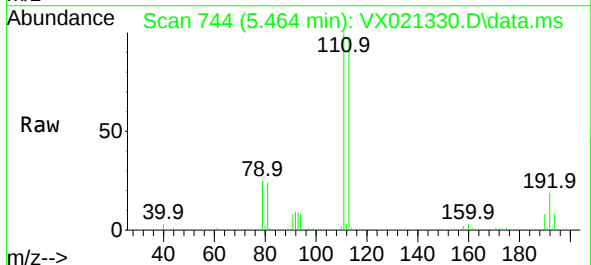


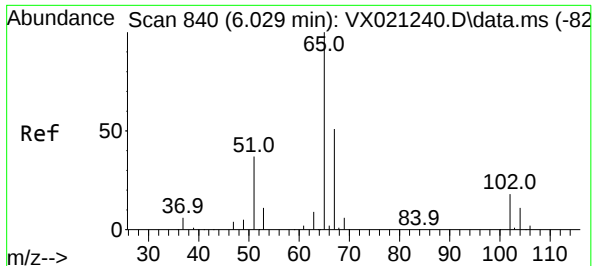
Tgt Ion: 56 Resp: 2374
Ion Ratio Lower Upper
56 100
69 139.7 25.3 37.9#
84 84.6 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 0.36 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

Tgt Ion: 97 Resp: 569
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 43.2 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 50.04 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021330.D

Acq: 20 Mar 2021 06:39

Tgt Ion: 65 Resp: 63897

Ion Ratio Lower Upper

65 100

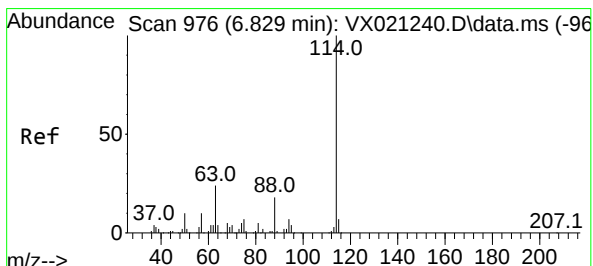
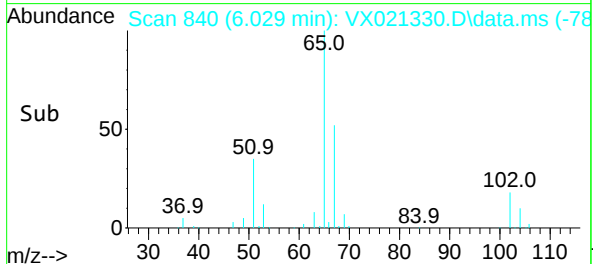
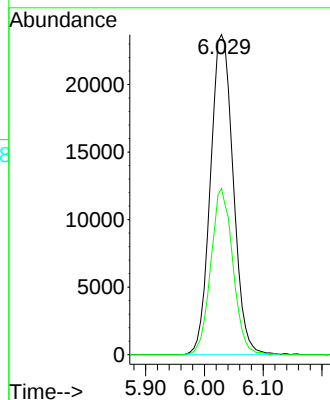
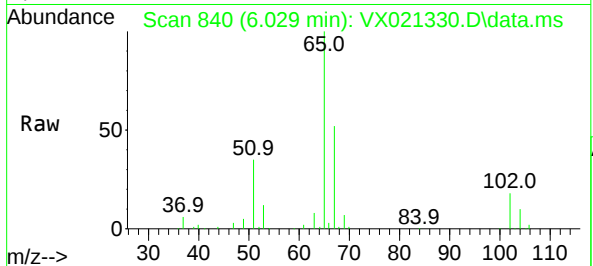
67 50.1 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20210315



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. -0.000 min

Lab File: VX021330.D

Acq: 20 Mar 2021 06:39

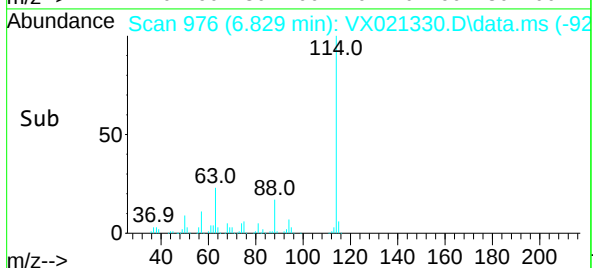
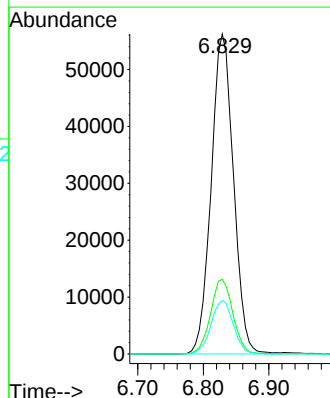
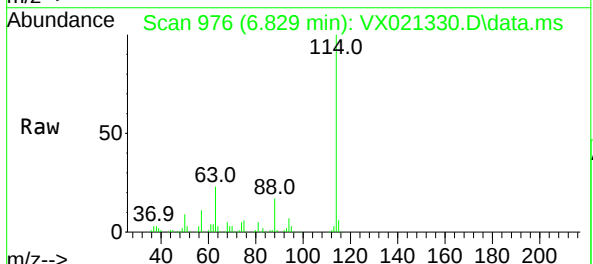
Tgt Ion: 114 Resp: 132631

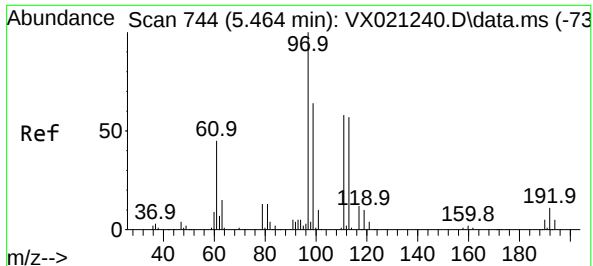
Ion Ratio Lower Upper

114 100

63 23.3 0.0 40.8

88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.97 ug/l

RT: 5.464 min Scan# 744

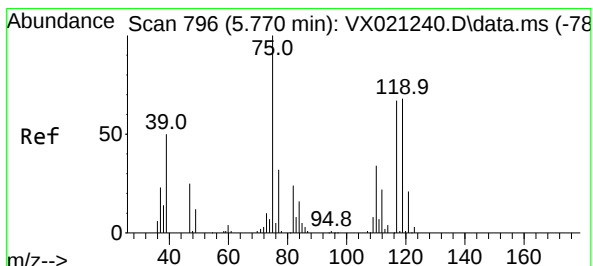
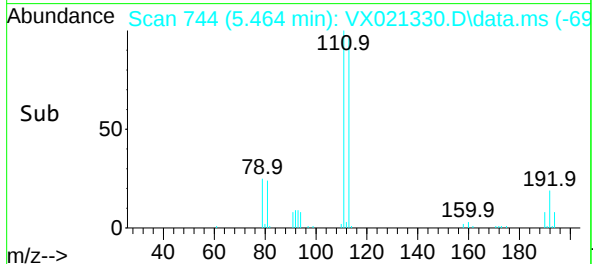
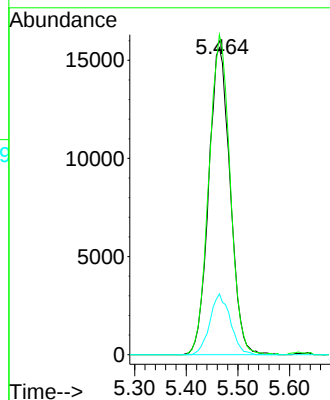
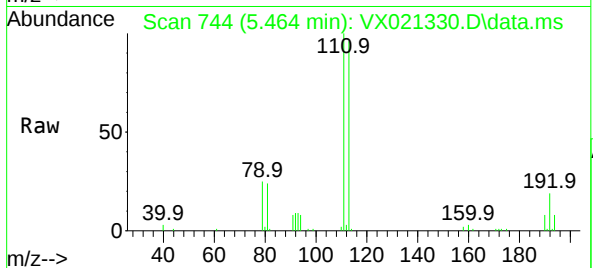
Delta R.T. 0.000 min

Lab File: VX021330.D

Acq: 20 Mar 2021 06:39

Tgt Ion:	113	Resp:	45097
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	18.9	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210315



#36

1,1-Dichloropropene

Concen: 5.49 ug/l

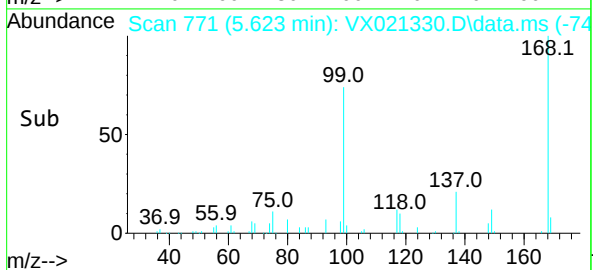
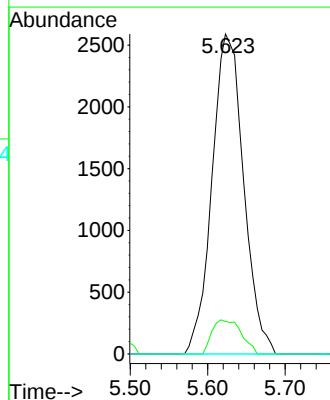
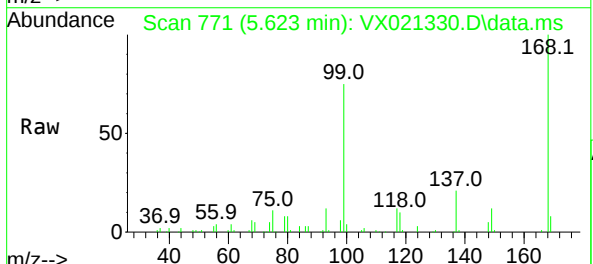
RT: 5.623 min Scan# 771

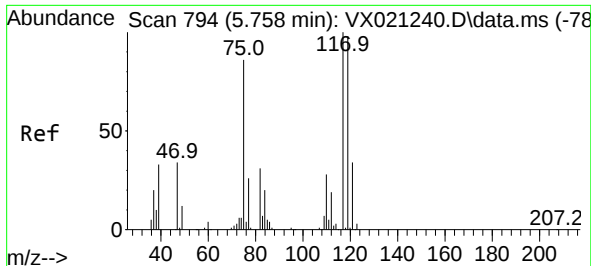
Delta R.T. -0.147 min

Lab File: VX021330.D

Acq: 20 Mar 2021 06:39

Tgt Ion:	75	Resp:	7342
Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.4#
77	0.0	25.3	37.9#

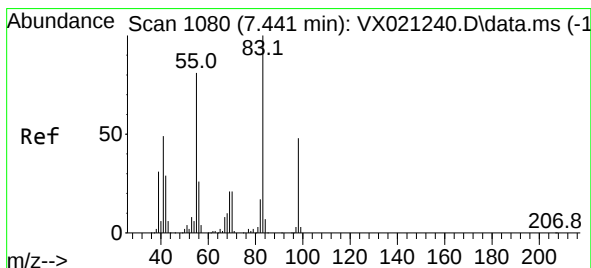
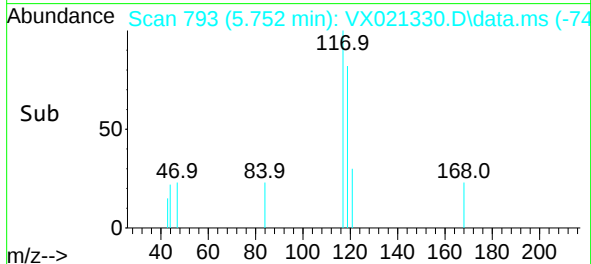
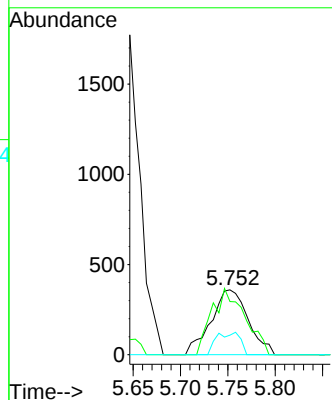
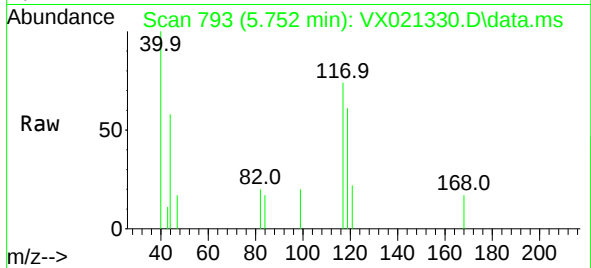




#38
Carbon Tetrachloride
Concen: 0.71 ug/l
RT: 5.752 min Scan# 793
Delta R.T. -0.006 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

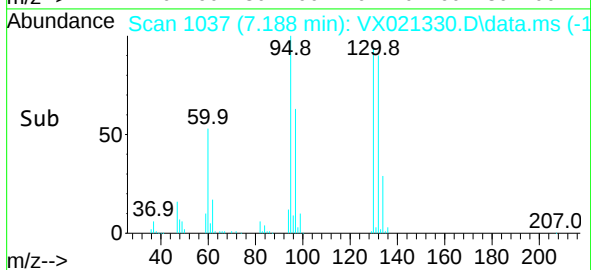
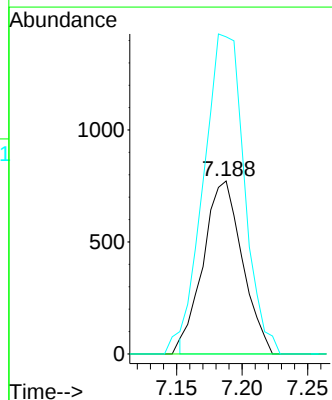
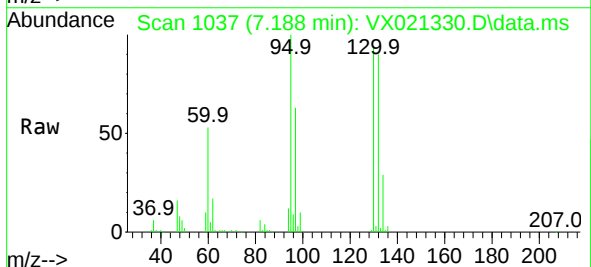
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210315

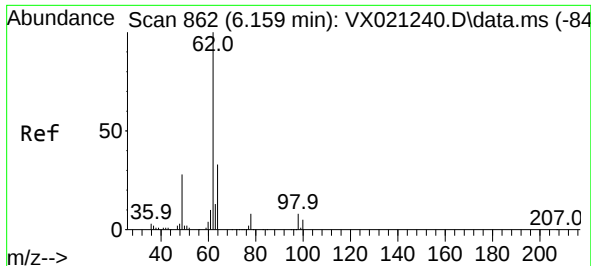
Tgt Ion:117 Resp: 984
Ion Ratio Lower Upper
117 100
119 82.2 76.2 114.2
121 30.1 24.8 37.2



#39
Methylcyclohexane
Concen: 1.07 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.253 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

Tgt Ion: 83 Resp: 1591
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 183.4 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.29 ug/l

RT: 6.164 min Scan# 863

Delta R.T. 0.005 min

Lab File: VX021330.D

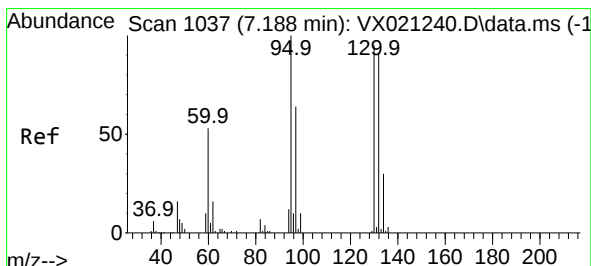
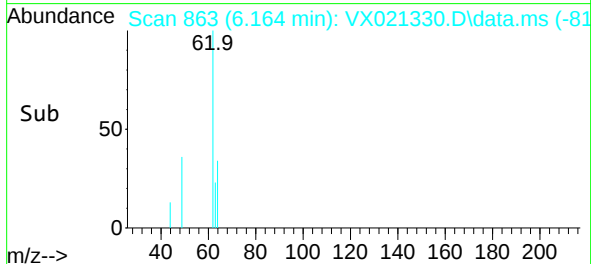
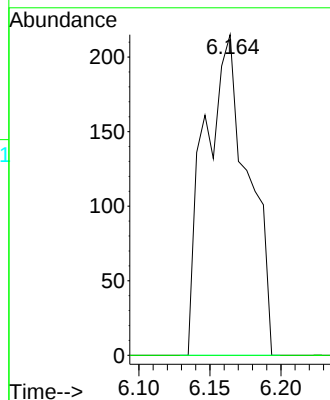
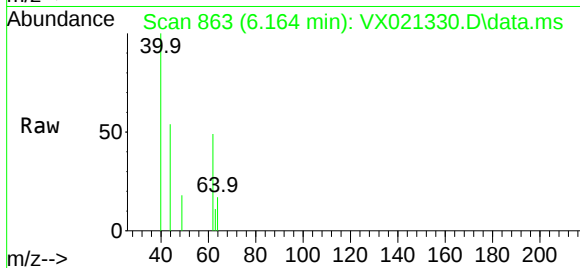
Acq: 20 Mar 2021 06:39

Tgt Ion: 62 Resp: 460

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 112.55 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021330.D

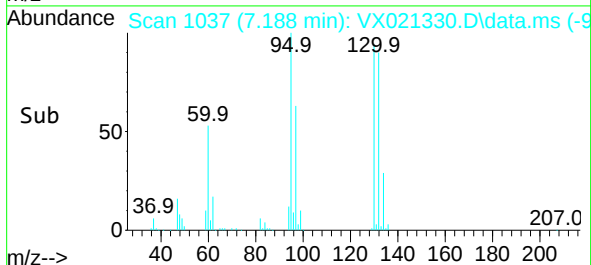
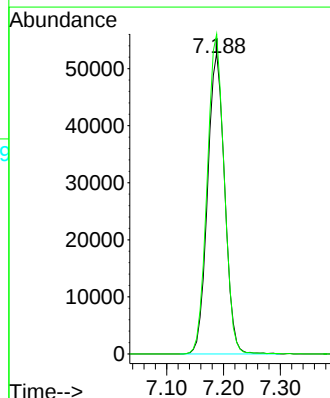
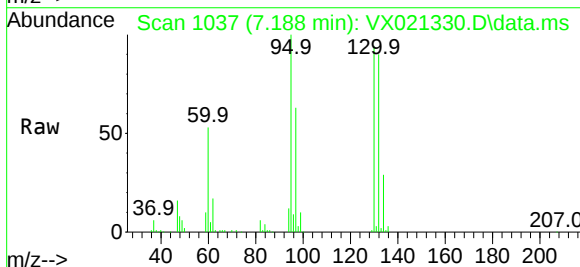
Acq: 20 Mar 2021 06:39

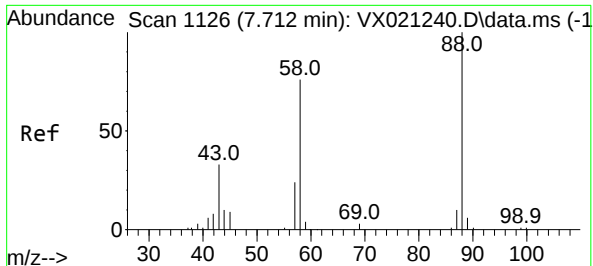
Tgt Ion:130 Resp: 110101

Ion Ratio Lower Upper

130 100

95 106.3 0.0 198.0

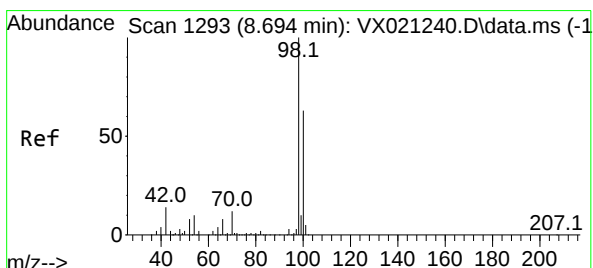
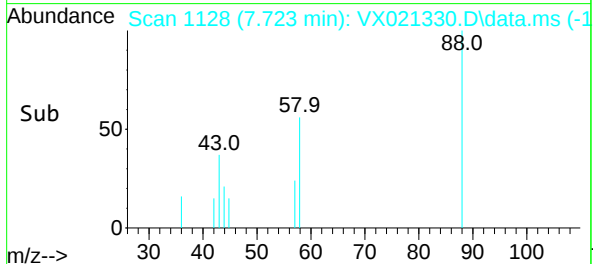
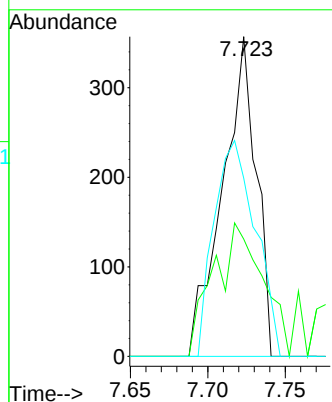
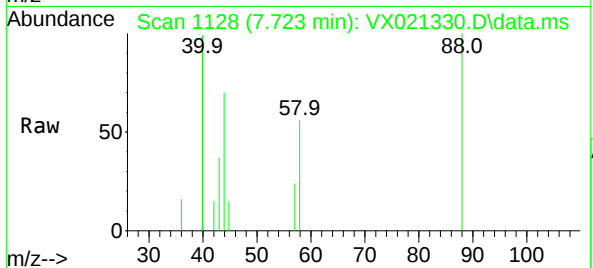




#49
1,4-Dioxane
Concen: 12.40 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

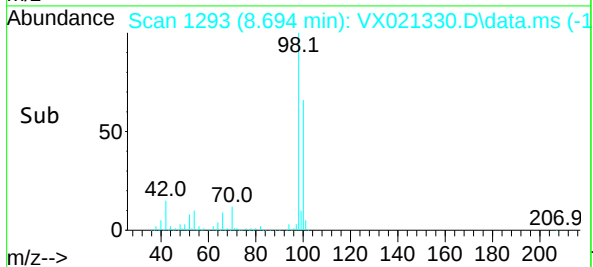
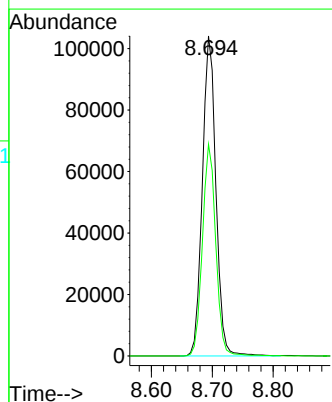
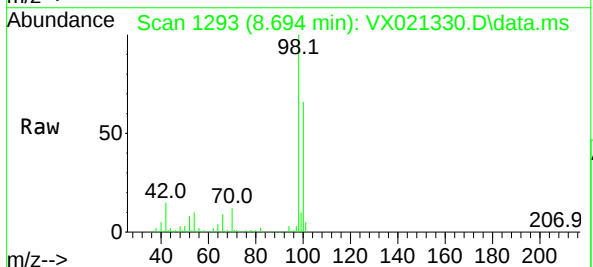
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210315

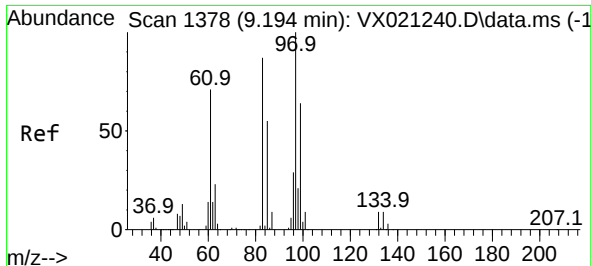
Tgt Ion: 88 Resp: 538
Ion Ratio Lower Upper
88 100
43 61.0 23.2 34.8#
58 83.6 55.0 82.4#



#50
Toluene-d8
Concen: 49.23 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

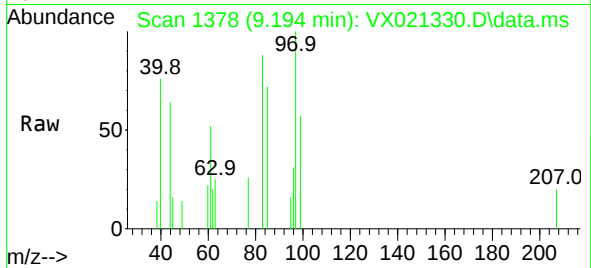
Tgt Ion: 98 Resp: 161199
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



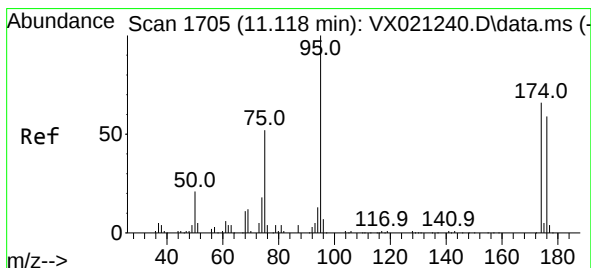
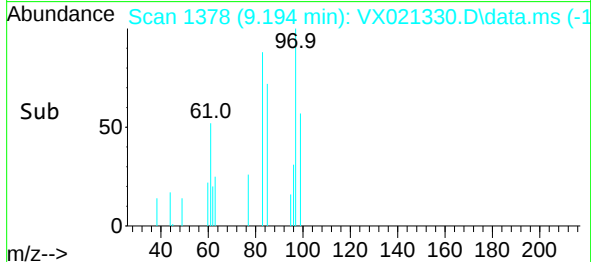
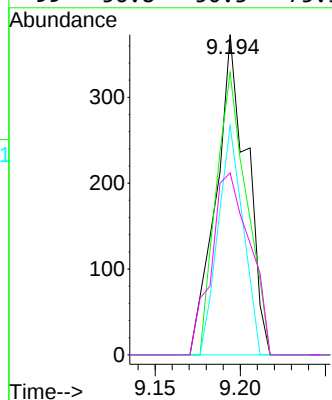


#55
1,1,2-Trichloroethane
Concen: 0.50 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210315

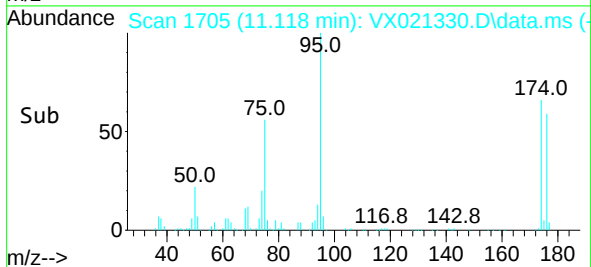
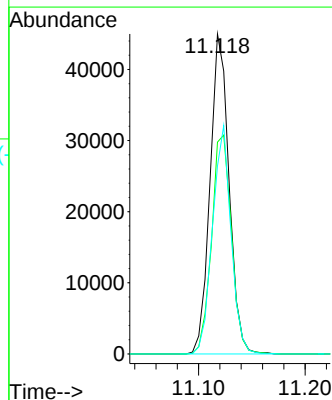
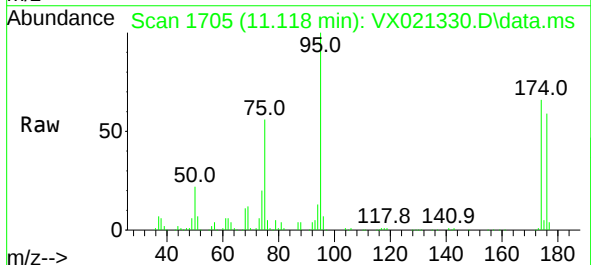


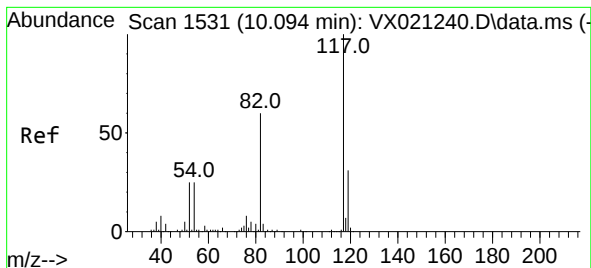
Tgt Ion:	97	Resp:	468
Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.3	103.9
85	71.6	44.3	66.5#
99	56.8	50.3	75.5



#62
4-Bromofluorobenzene
Concen: 43.81 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

Tgt Ion:	95	Resp:	55707
Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	154.6
176	69.3	0.0	155.8

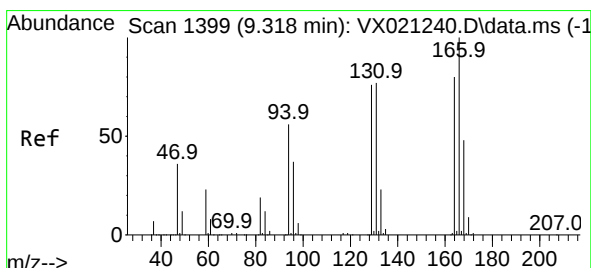
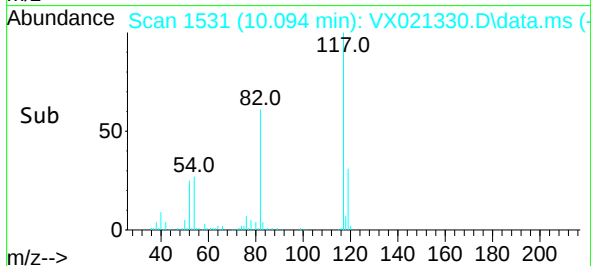
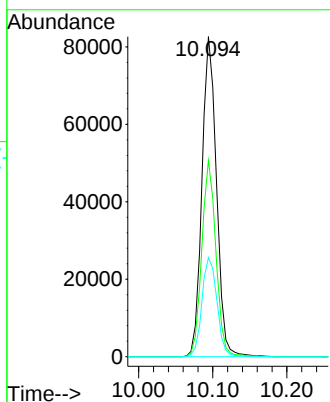
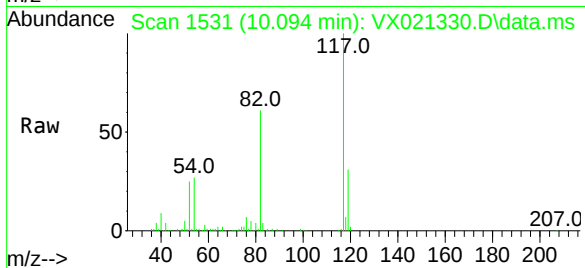




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

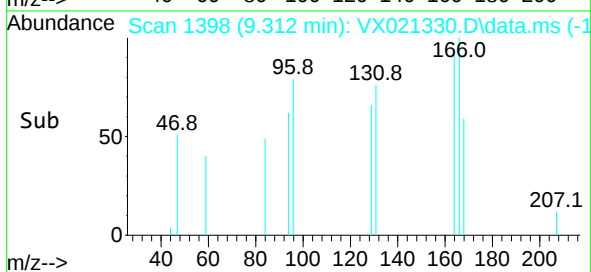
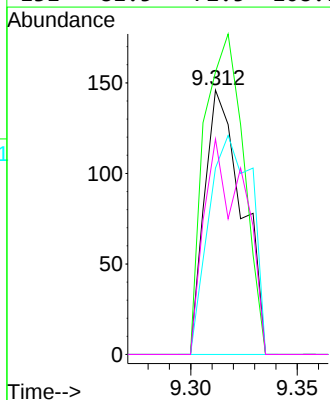
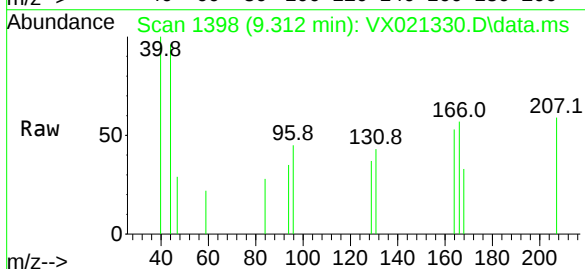
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210315

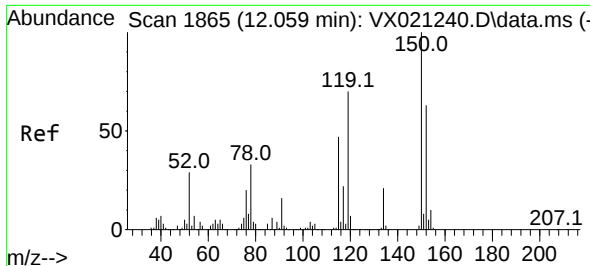
Tgt Ion:117 Resp: 112619
Ion Ratio Lower Upper
117 100
82 61.4 47.4 71.2
119 31.0 26.6 39.8



#64
Tetrachloroethene
Concen: 0.21 ug/l
RT: 9.312 min Scan# 1398
Delta R.T. -0.006 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

Tgt Ion:164 Resp: 179
Ion Ratio Lower Upper
164 100
166 106.8 103.4 155.2
129 70.5 70.8 106.2#
131 81.5 72.5 108.7

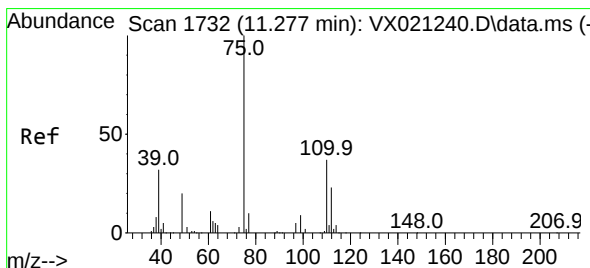
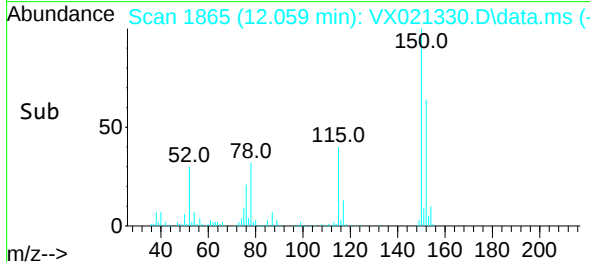
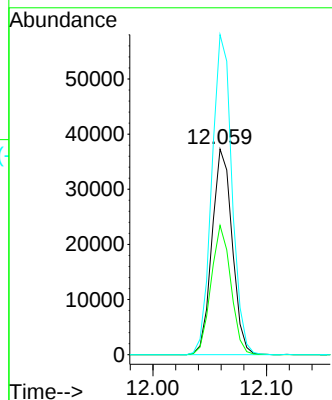
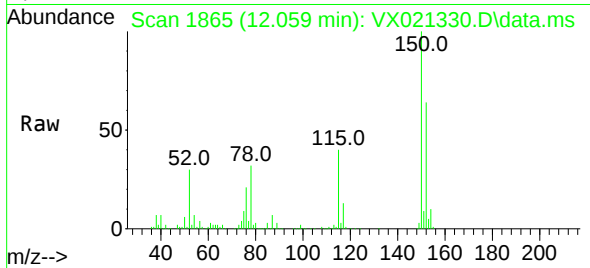




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

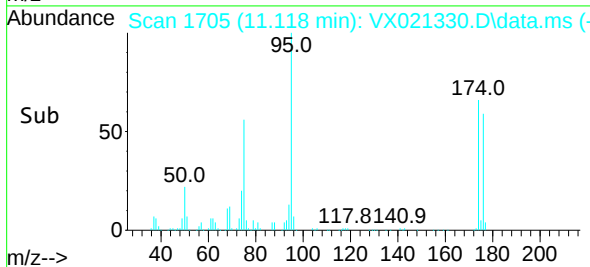
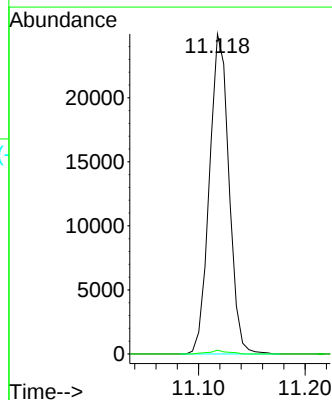
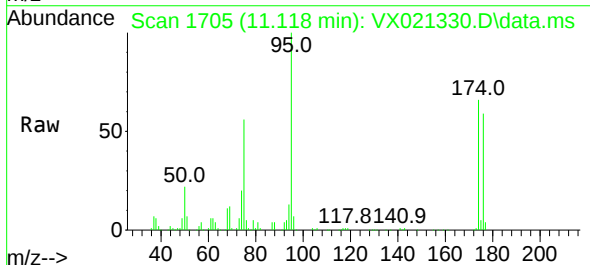
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210315

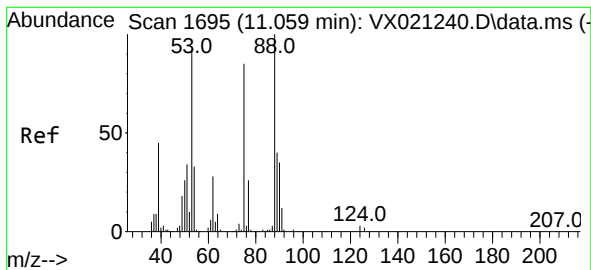
Tgt Ion:152 Resp: 46045
Ion Ratio Lower Upper
152 100
115 61.7 41.1 123.3
150 155.1 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 29.80 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021330.D
Acq: 20 Mar 2021 06:39

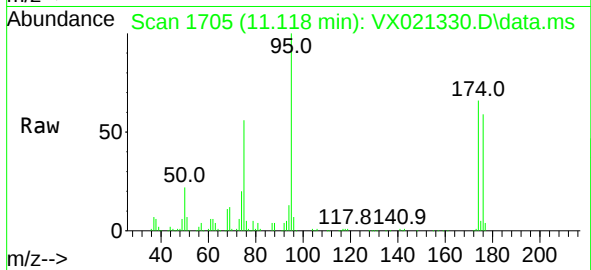
Tgt Ion: 75 Resp: 31829
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.90 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021330.D
 Acq: 20 Mar 2021 06:39

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20210315



Tgt Ion: 75 Resp: 31829
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

