

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021609.D
 Acq On : 30 Mar 2021 04:34
 Operator : JC/MD
 Sample : M1843-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20210325

Quant Time: Mar 30 05:24:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

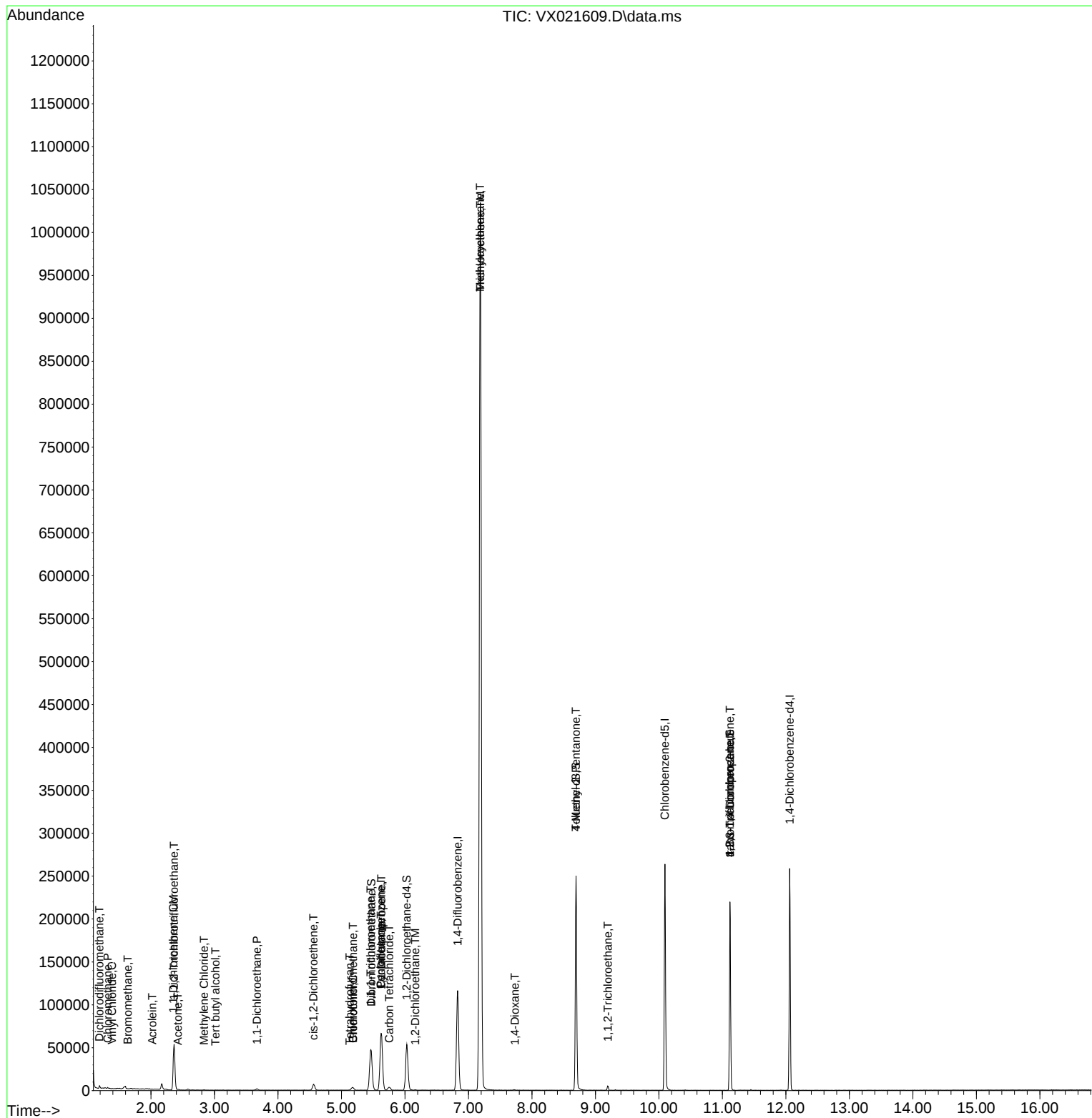
Internal Standards						
1) Pentafluorobenzene	5.623	168	58275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	108247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	111099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	46834	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	51596	53.21	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.42%	
35) Dibromofluoromethane	5.470	113	39358	51.19	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.38%	
50) Toluene-d8	8.694	98	139264	50.83	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.66%	
62) 4-Bromofluorobenzene	11.118	95	55479	52.08	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.16%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.187	85	957	1.49	ug/l	99
3) Chloromethane	1.317	50	1454	2.02	ug/l	97
4) Vinyl Chloride	1.387	62	132	0.20	ug/l #	43
5) Bromomethane	1.634	94	64	0.24	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.364	101	18201	30.34	ug/l	96
11) Tert butyl alcohol	3.017	59	103	0.64	ug/l #	73
12) 1,1-Dichloroethene	2.352	96	2966	5.05	ug/l	81
13) Acrolein	2.023	56	20	4.54	ug/l #	70
16) Acetone	2.423	43	683	1.86	ug/l #	82
20) Methylene Chloride	2.835	84	206	0.29	ug/l #	74
24) 1,1-Dichloroethane	3.670	63	1790	1.43	ug/l #	94
27) cis-1,2-Dichloroethene	4.558	96	3846	5.13	ug/l	99
28) Bromochloromethane	5.182	49	403	0.64	ug/l #	9
29) Tetrahydrofuran	5.129	42	144	0.40	ug/l #	27
30) Chloroform	5.182	83	3784	2.87	ug/l	89
31) Cyclohexane	5.623	56	1570	1.47	ug/l #	2
32) 1,1,1-Trichloroethane	5.458	97	556	0.48	ug/l #	48
36) 1,1-Dichloropropene	5.629	75	5337	5.03	ug/l #	48
38) Carbon Tetrachloride	5.753	117	2897	2.54	ug/l	98
39) Methylcyclohexane	7.182	83	4936	4.20	ug/l #	1
42) 1,2-Dichloroethane	6.164	62	492	0.38	ug/l #	73
44) Trichloroethene	7.188	130	366646	461.31	ug/l	93
49) 1,4-Dioxane	7.729	88	325	17.09	ug/l #	70
51) 4-Methyl-2-Pentanone	8.694	43	839	0.68	ug/l #	1
55) 1,1,2-Trichloroethane	9.194	97	1139	1.45	ug/l	95
76) 1,2,3-Trichloropropane	11.118	75	30974	28.41	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30974	86.53	ug/l #	12

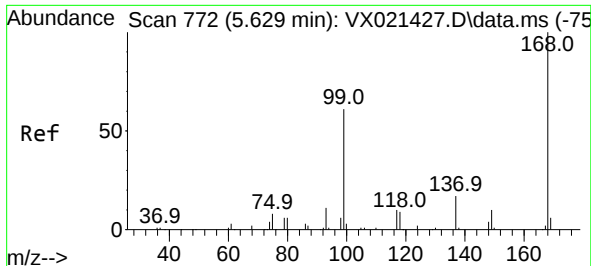
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Response via : Initial Calibration

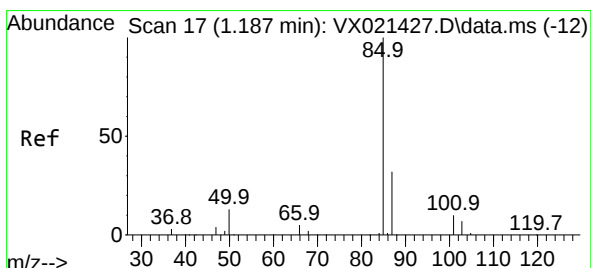
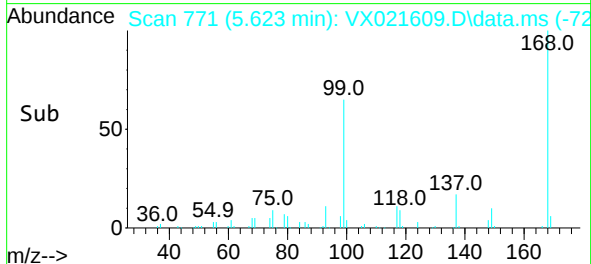
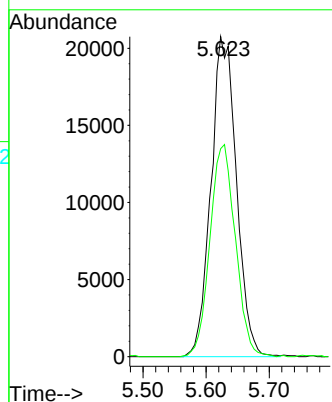
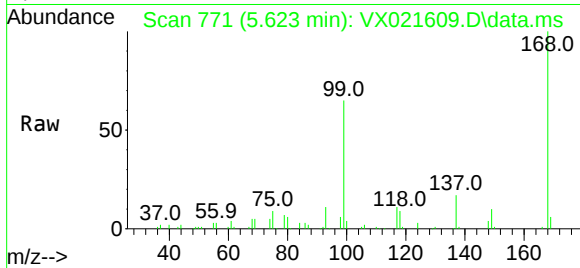




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.006 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

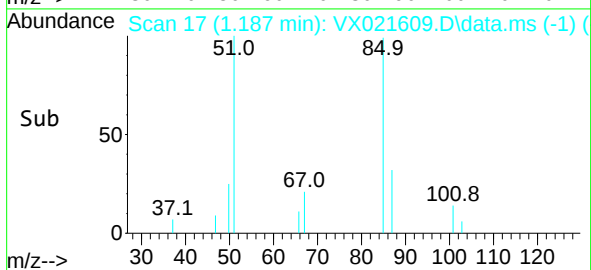
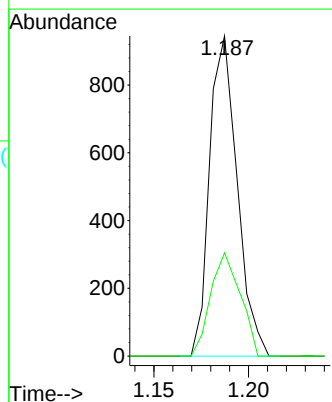
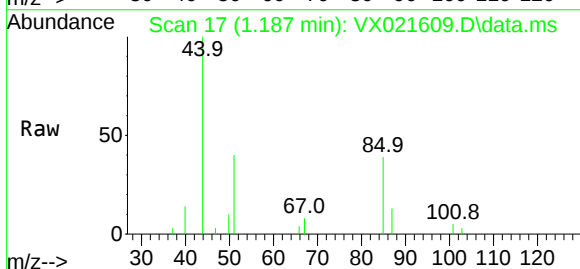
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325

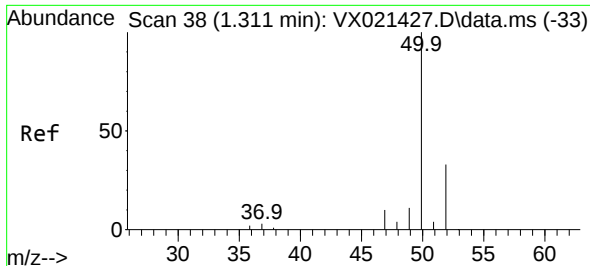
Tgt Ion:168 Resp: 58275
Ion Ratio Lower Upper
168 100
99 65.0 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.49 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

Tgt Ion: 85 Resp: 957
Ion Ratio Lower Upper
85 100
87 32.3 16.4 49.2

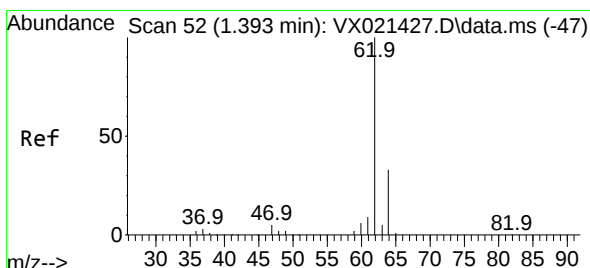
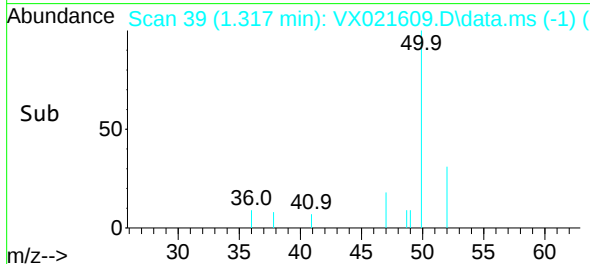
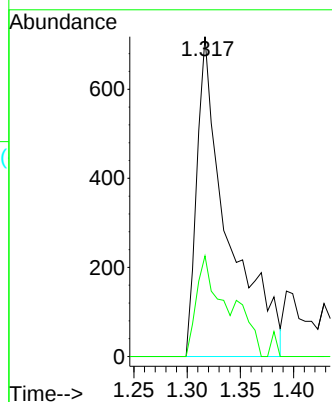
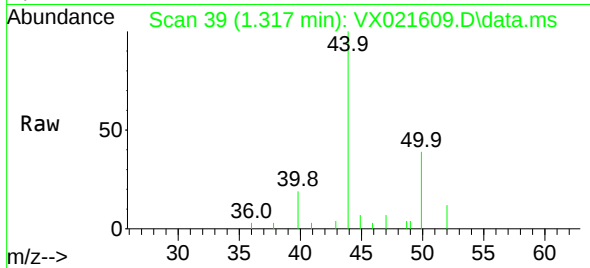




#3
Chloromethane
Concen: 2.02 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

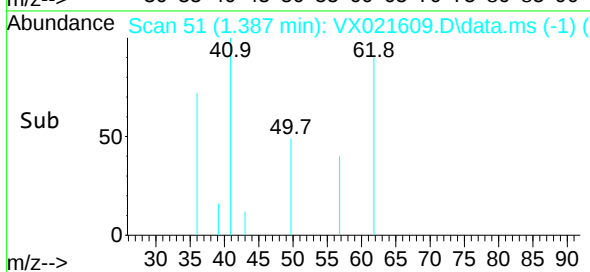
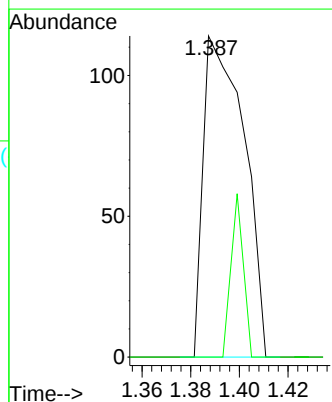
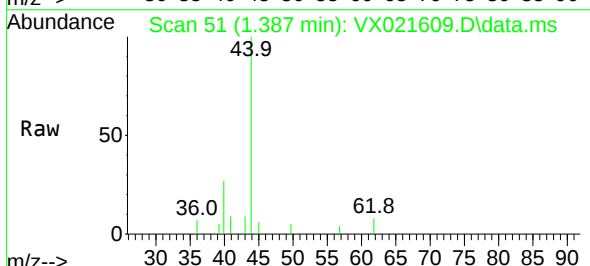
Instrument :
MSVOA_X
ClientSampleId :
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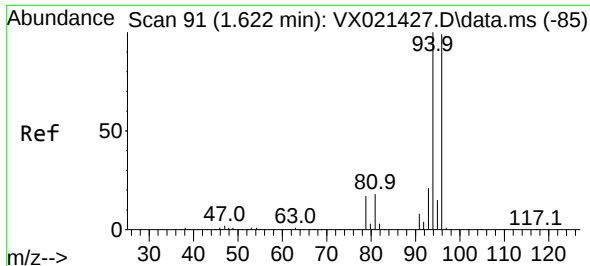
Tgt Ion: 50 Resp: 1454
Ion Ratio Lower Upper
50 100
52 31.5 26.4 39.6



#4
Vinyl Chloride
Concen: 0.20 ug/l
RT: 1.387 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

Tgt Ion: 62 Resp: 132
Ion Ratio Lower Upper
62 100
64 0.0 25.7 38.5#

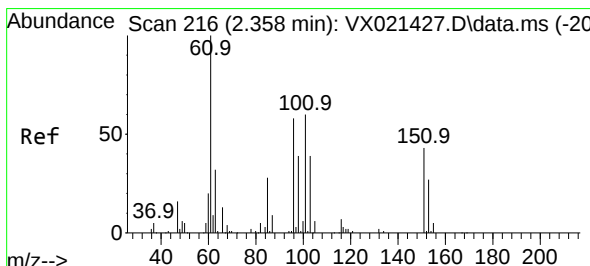
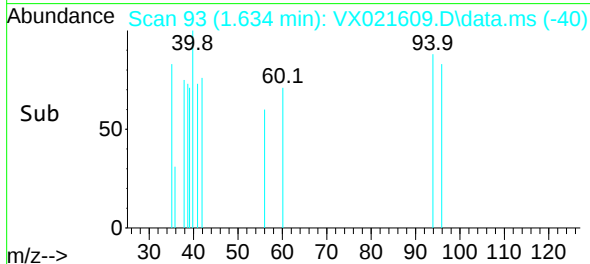
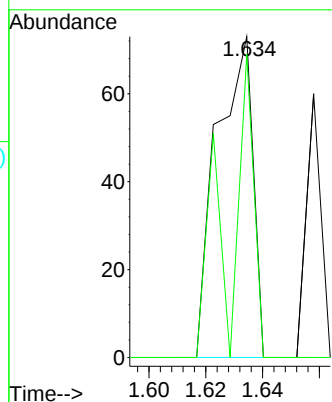
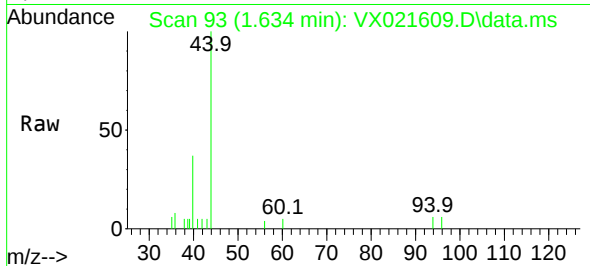




#5
Bromomethane
Concen: 0.24 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

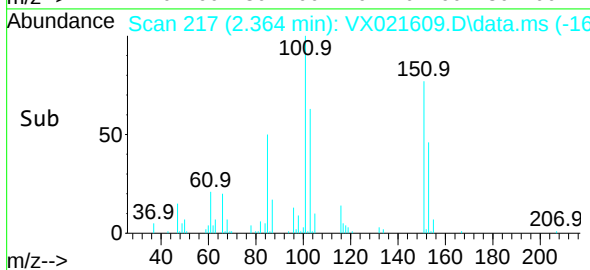
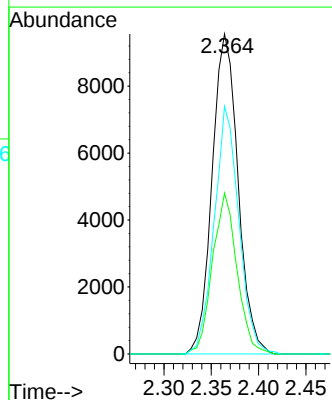
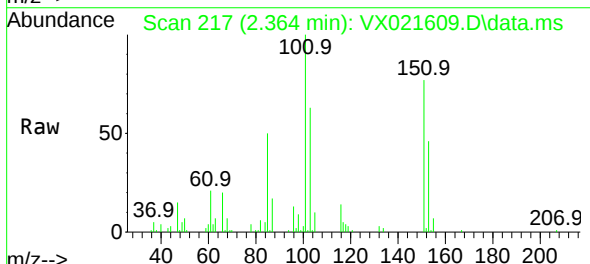
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325

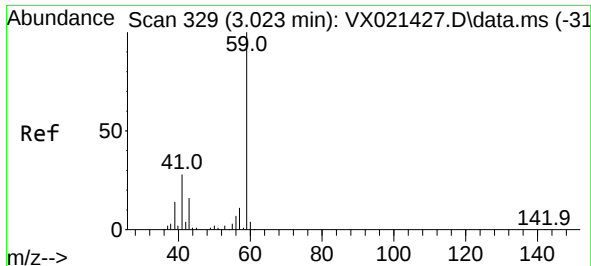
Tgt Ion: 94 Resp: 64
Ion Ratio Lower Upper
94 100
96 94.5 76.4 114.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 30.34 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

Tgt Ion: 101 Resp: 18201
Ion Ratio Lower Upper
101 100
85 47.5 34.9 52.3
151 73.7 61.4 92.2

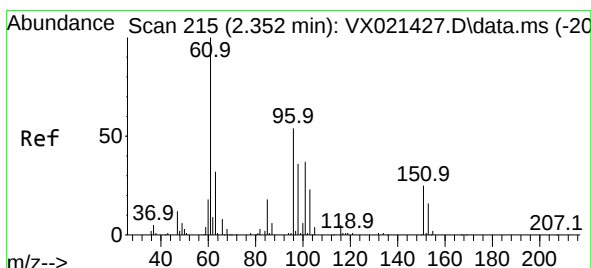
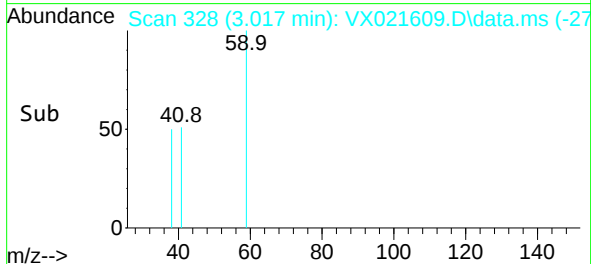
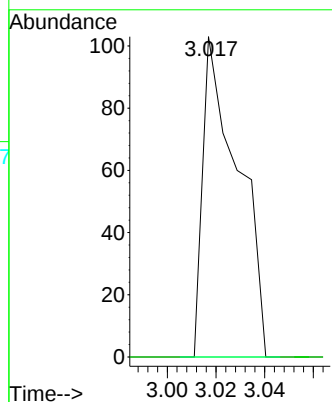
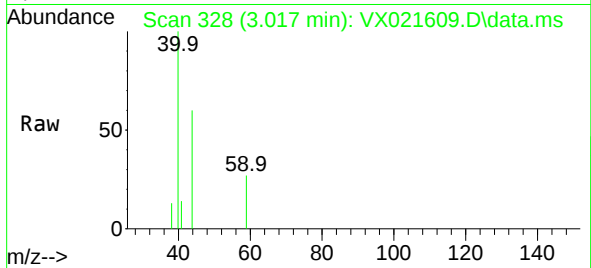




#11
Tert butyl alcohol
Concen: 0.64 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

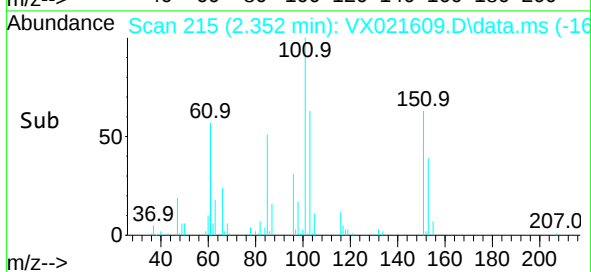
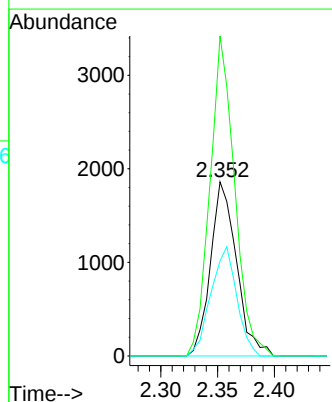
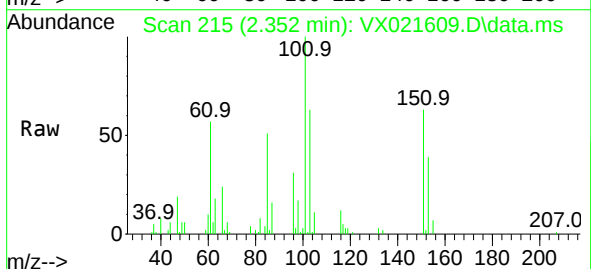
Instrument :
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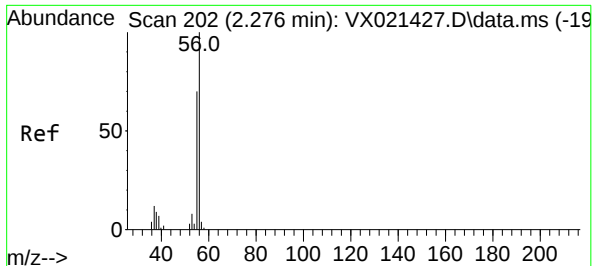
Tgt Ion: 59 Resp: 103
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 5.05 ug/l
RT: 2.352 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

Tgt Ion: 96 Resp: 2966
Ion Ratio Lower Upper
96 100
61 183.8 124.6 187.0
98 54.6 50.6 76.0

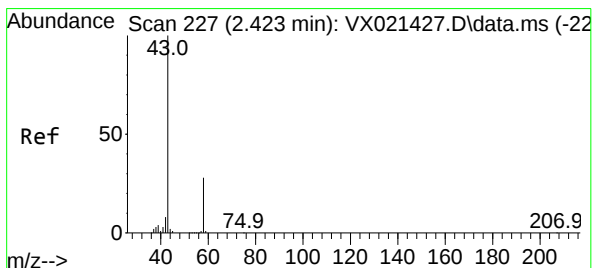
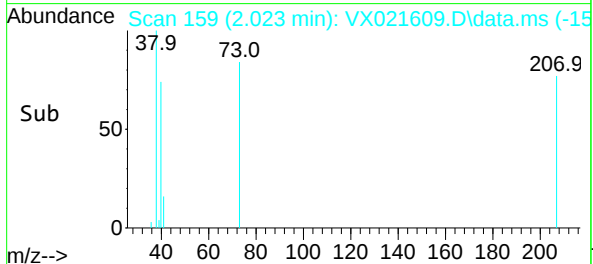
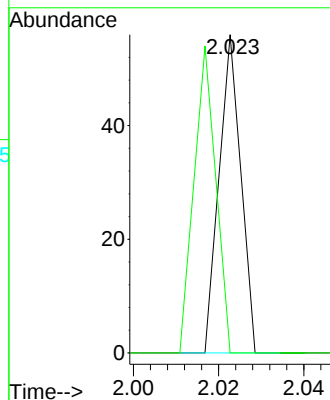
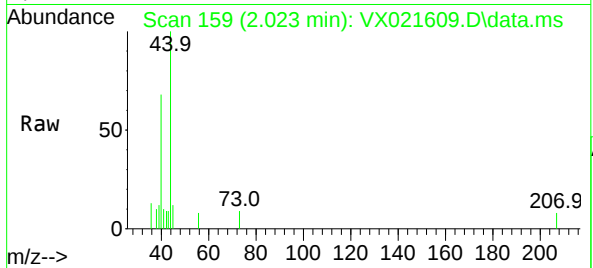




#13
Acrolein
Concen: 4.54 ug/l
RT: 2.023 min Scan# 159
Delta R.T. -0.253 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

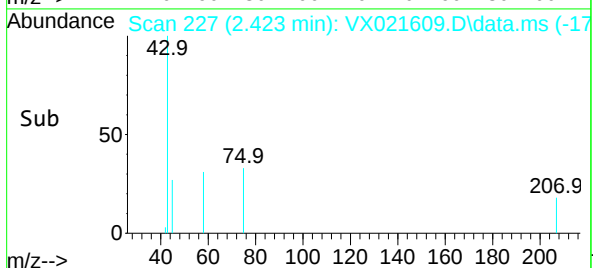
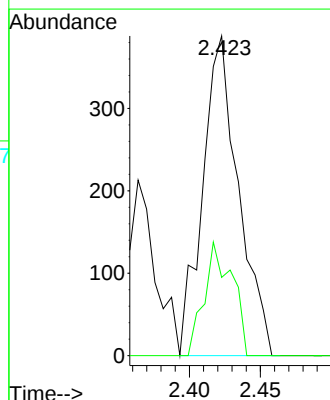
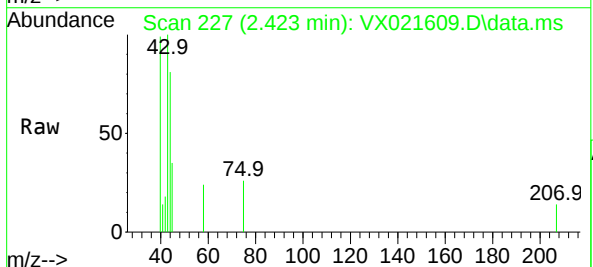
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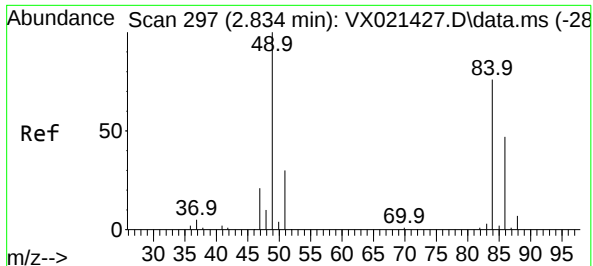
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 95.0 56.4 84.6#



#16
Acetone
Concen: 1.86 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

Tgt Ion: 43 Resp: 683
Ion Ratio Lower Upper
43 100
58 24.5 27.8 41.8#



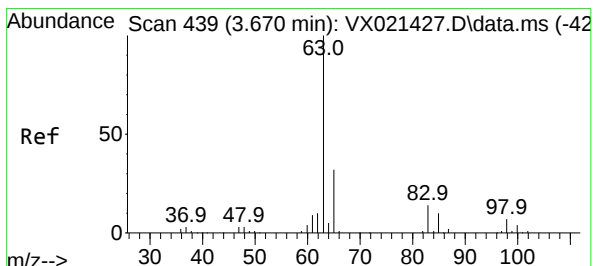
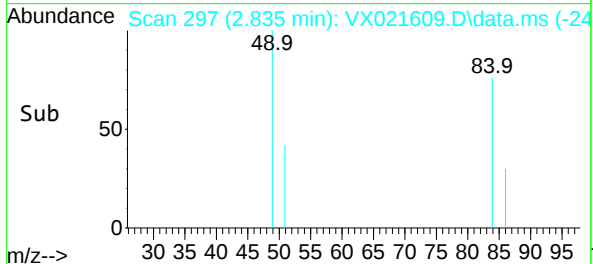
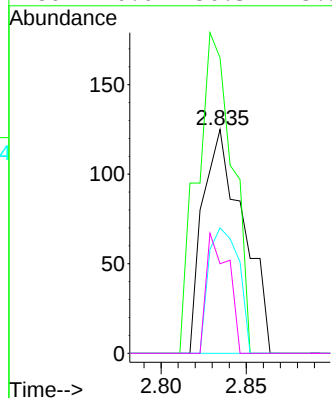
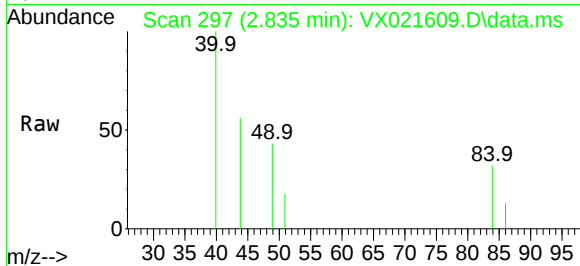


#20
Methylene Chloride
Concen: 0.29 ug/l
RT: 2.835 min Scan# 297
Delta R.T. 0.001 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 84 Resp: 206

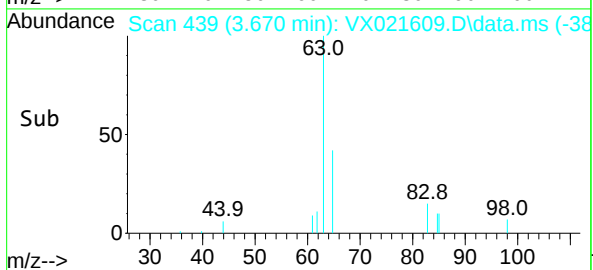
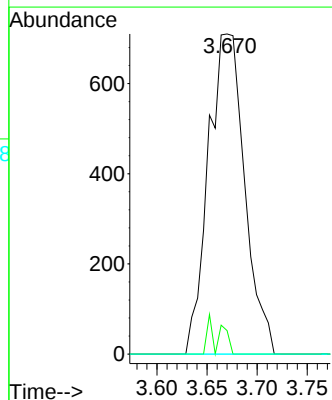
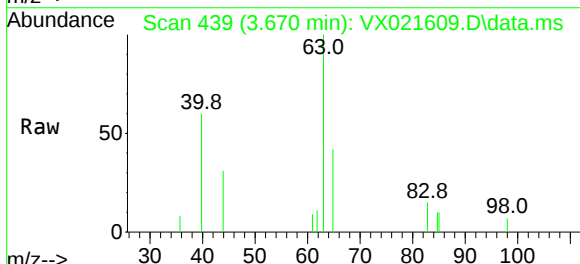
Ion	Ratio	Lower	Upper
84	100		
49	132.0	88.6	132.8
51	56.0	27.0	40.6#
86	40.0	50.3	75.5#

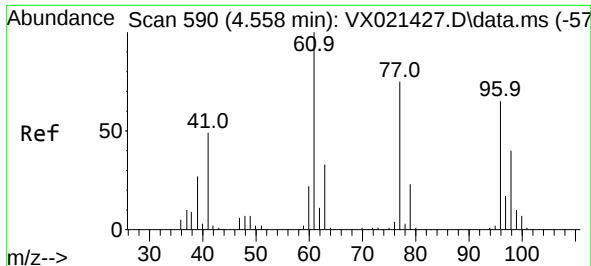


#24
1,1-Dichloroethane
Concen: 1.43 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

Tgt Ion: 63 Resp: 1790

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	0.0	2.5	7.5#





#27

cis-1,2-Dichloroethene

Concen: 5.13 ug/l

RT: 4.558 min Scan# 590

Delta R.T. 0.000 min

Lab File: VX021609.D

Acq: 30 Mar 2021 04:34

Tgt Ion: 96 Resp: 3846

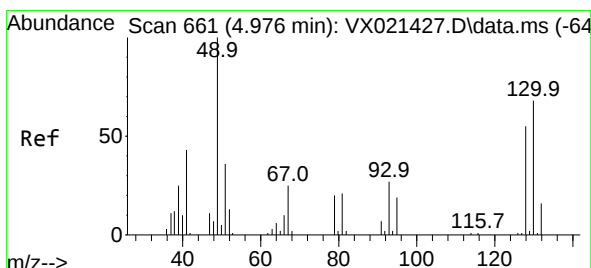
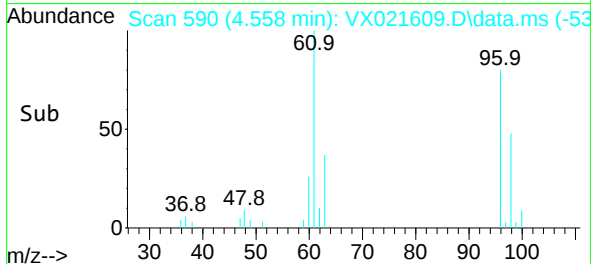
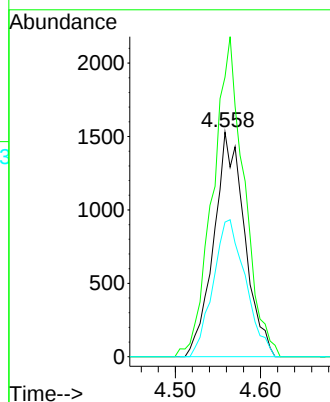
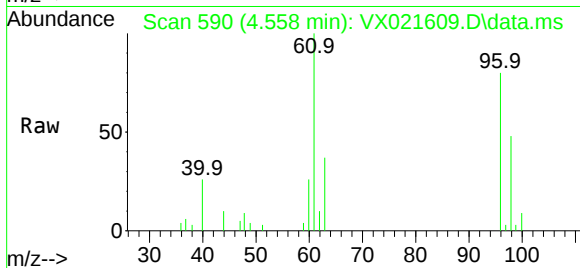
Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	285.6
98	64.3	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20210325



#28

Bromochloromethane

Concen: 0.64 ug/l

RT: 5.182 min Scan# 696

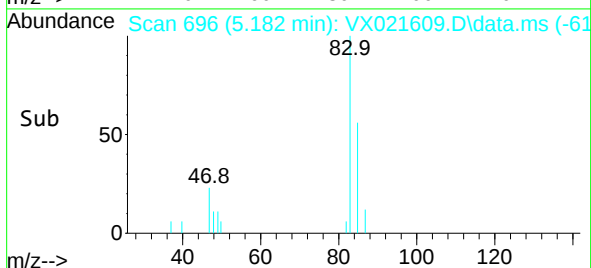
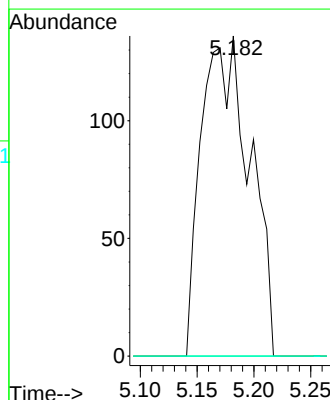
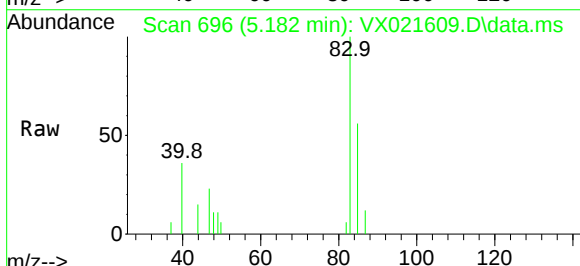
Delta R.T. 0.206 min

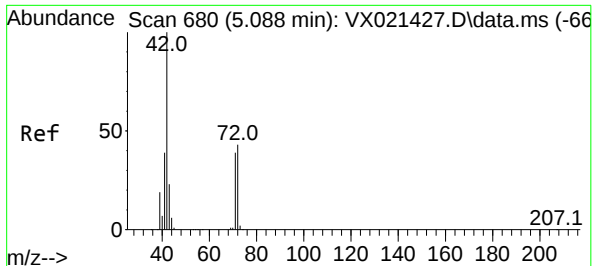
Lab File: VX021609.D

Acq: 30 Mar 2021 04:34

Tgt Ion: 49 Resp: 403

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





#29

Tetrahydrofuran

Concen: 0.40 ug/l

RT: 5.129 min Scan# 687

Delta R.T. 0.041 min

Lab File: VX021609.D

Acq: 30 Mar 2021 04:34

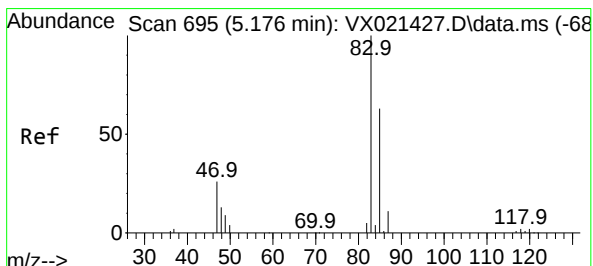
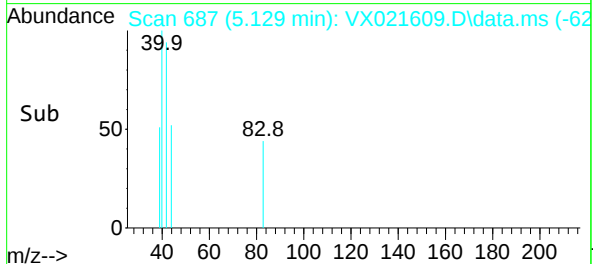
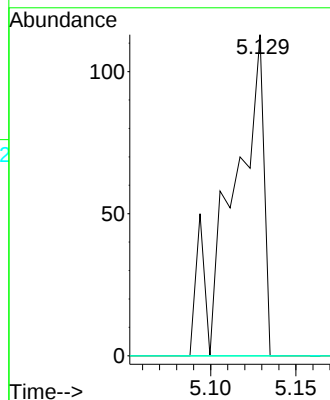
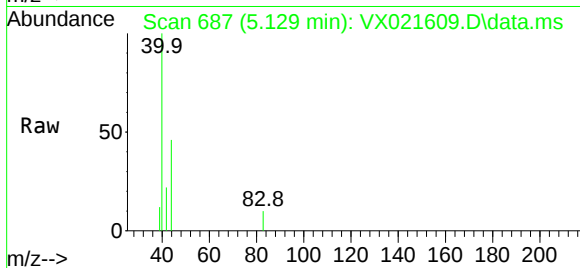
Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20210325

Tgt Ion: 42	Resp: 144
Ion Ratio	Lower Upper
42 100	
72 0.0	41.7 62.5#
71 0.0	38.4 57.6#



#30

Chloroform

Concen: 2.87 ug/l

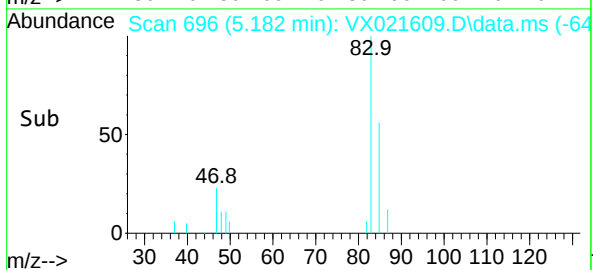
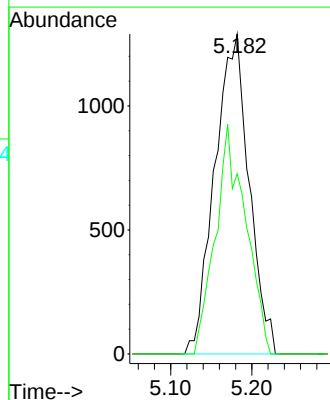
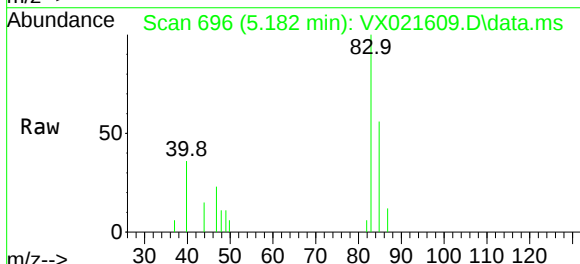
RT: 5.182 min Scan# 696

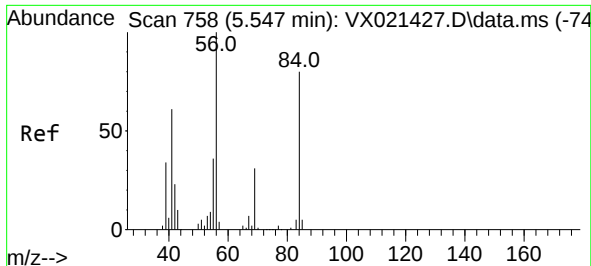
Delta R.T. 0.006 min

Lab File: VX021609.D

Acq: 30 Mar 2021 04:34

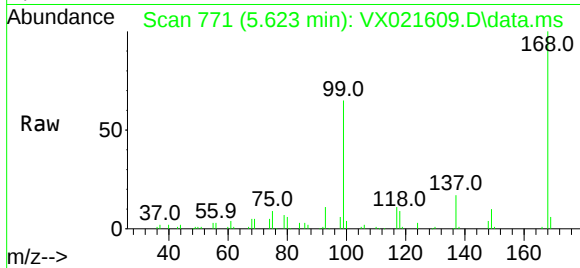
Tgt Ion: 83	Resp: 3784
Ion Ratio	Lower Upper
83 100	
85 56.3	52.0 78.0



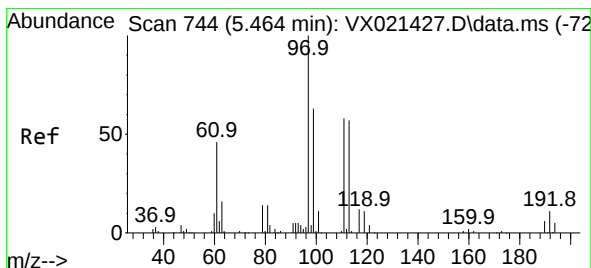
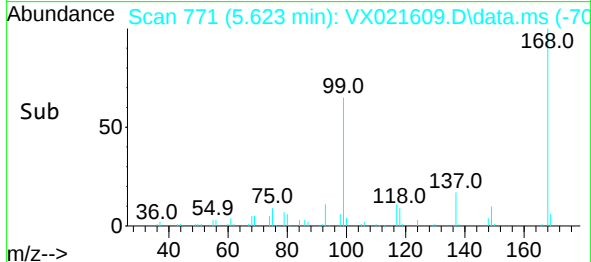
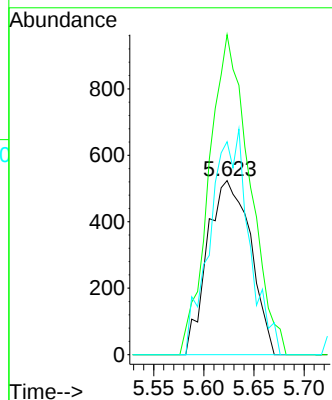


#31
Cyclohexane
Concen: 1.47 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325

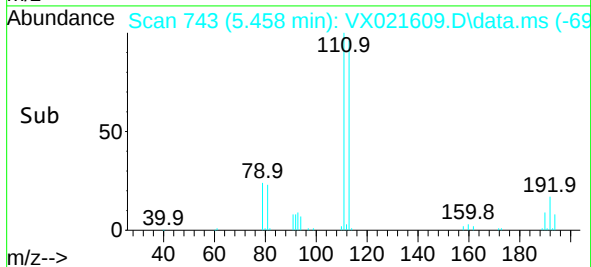
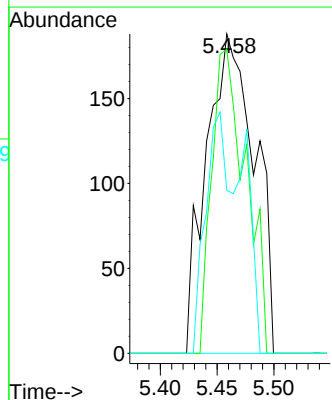
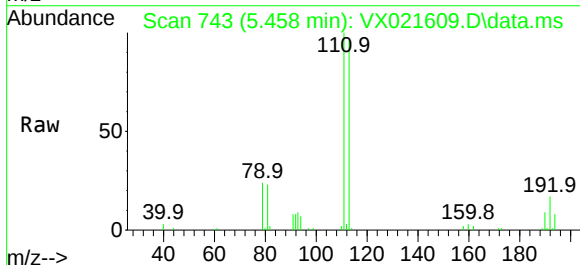


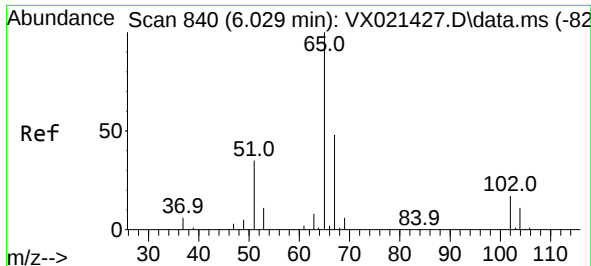
Tgt Ion: 56 Resp: 1570
Ion Ratio Lower Upper
56 100
69 183.8 25.3 37.9#
84 122.3 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 0.48 ug/l
RT: 5.458 min Scan# 743
Delta R.T. -0.006 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

Tgt Ion: 97 Resp: 556
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 38.8 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 53.21 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021609.D

Acq: 30 Mar 2021 04:34

Tgt Ion: 65 Resp: 51596

Ion Ratio Lower Upper

65 100

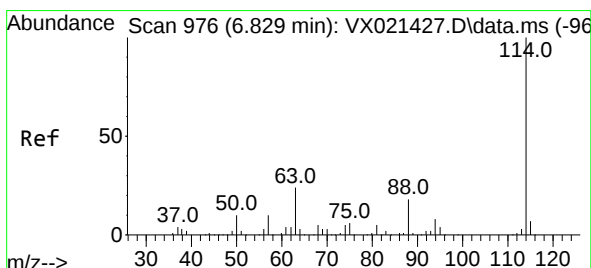
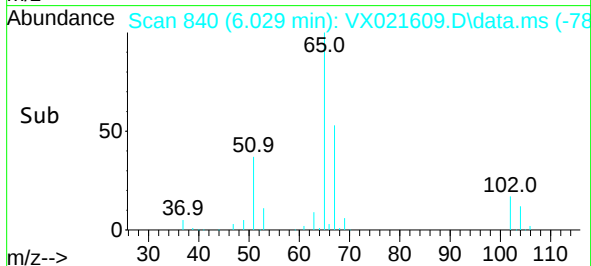
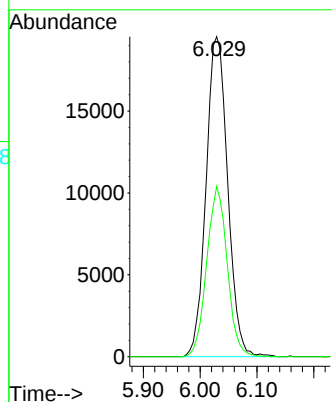
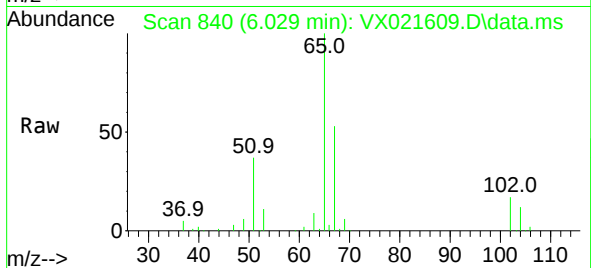
67 50.4 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20210325



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

Lab File: VX021609.D

Acq: 30 Mar 2021 04:34

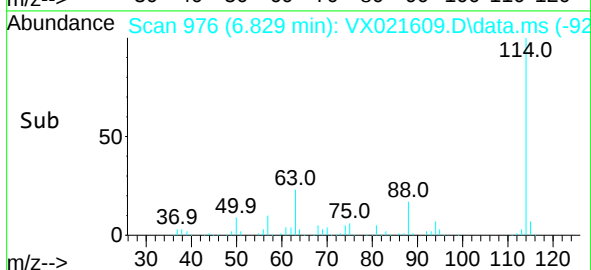
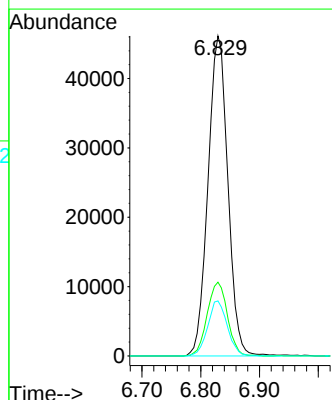
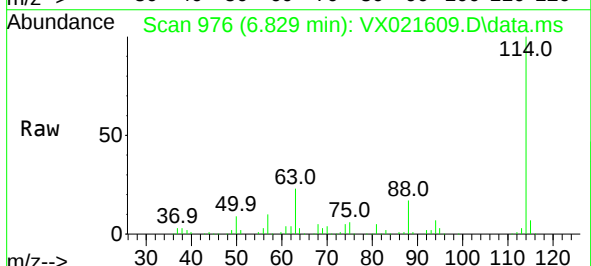
Tgt Ion: 114 Resp: 108247

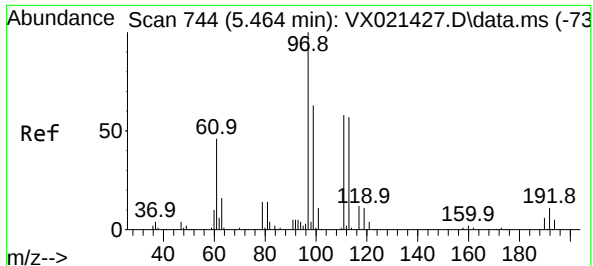
Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.8

88 17.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.19 ug/l

RT: 5.470 min Scan# 745

Delta R.T. 0.006 min

Lab File: VX021609.D

Acq: 30 Mar 2021 04:34

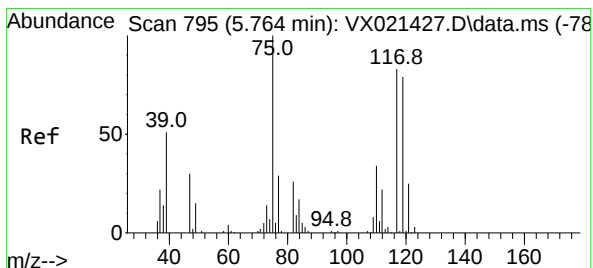
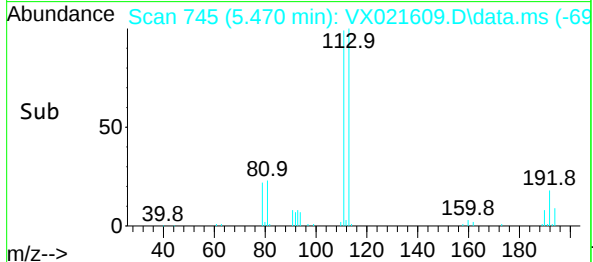
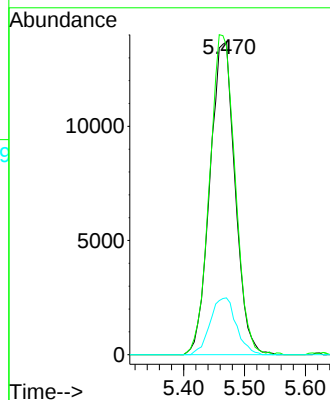
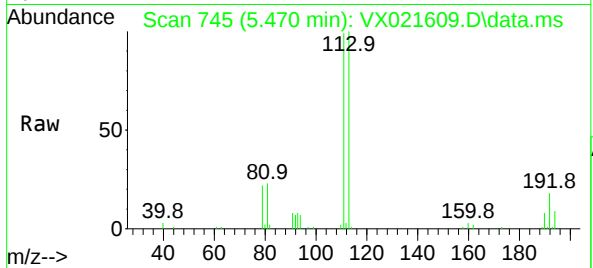
Tgt Ion:113 Resp: 39358

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

192 18.8 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.03 ug/l

RT: 5.629 min Scan# 772

Delta R.T. -0.135 min

Lab File: VX021609.D

Acq: 30 Mar 2021 04:34

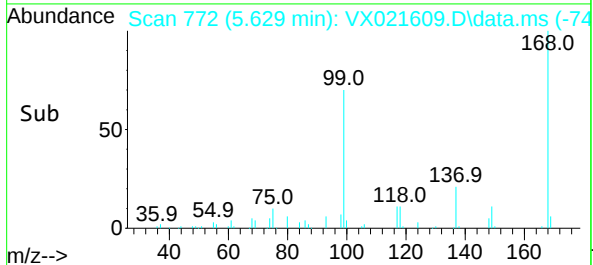
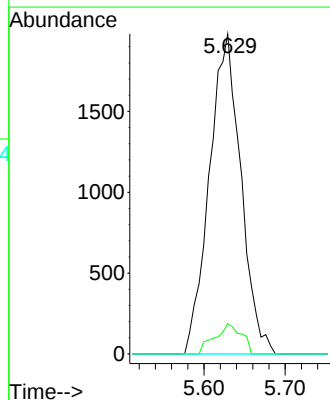
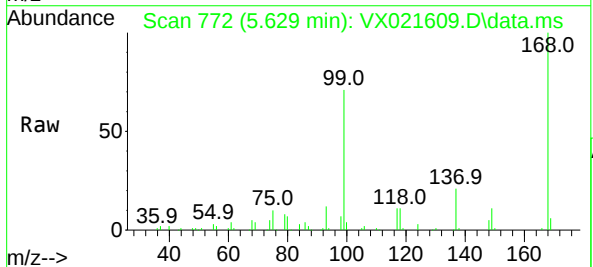
Tgt Ion: 75 Resp: 5337

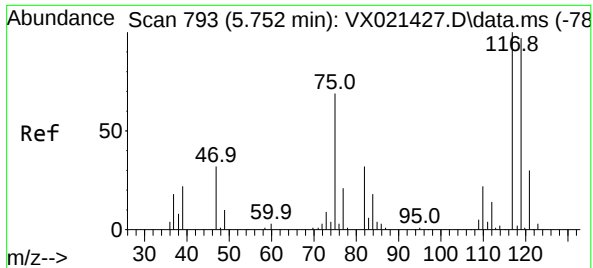
Ion Ratio Lower Upper

75 100

110 8.1 18.1 54.4#

77 0.0 25.3 37.9#

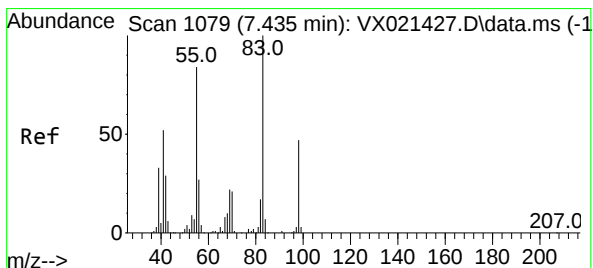
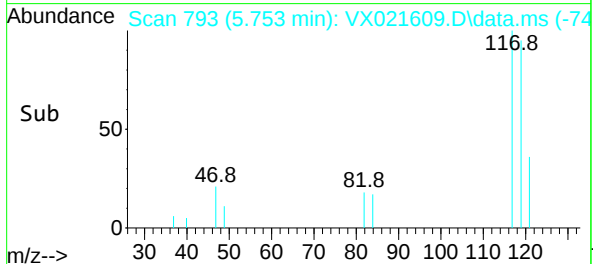
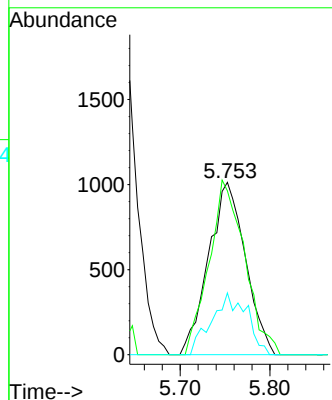
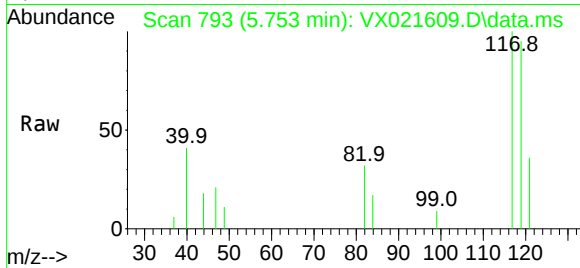




#38
Carbon Tetrachloride
Concen: 2.54 ug/l
RT: 5.753 min Scan# 793
Delta R.T. 0.001 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

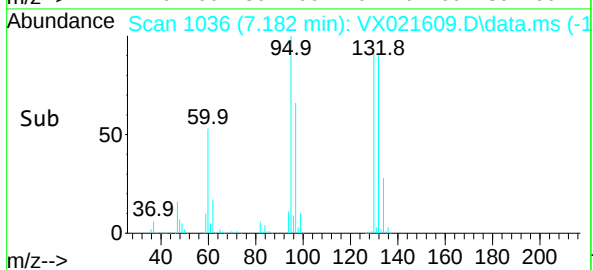
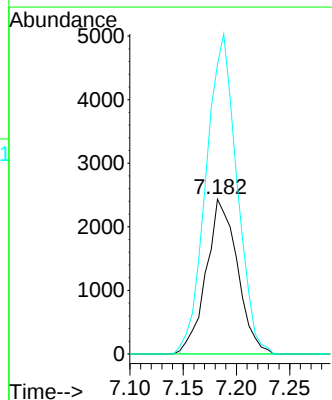
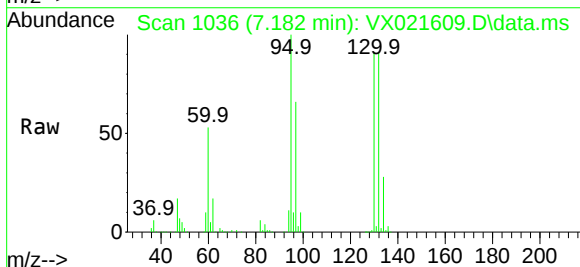
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325

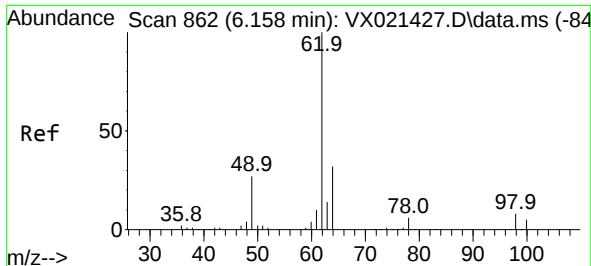
Tgt Ion:117 Resp: 2897
Ion Ratio Lower Upper
117 100
119 95.1 76.2 114.2
121 35.8 24.8 37.2



#39
Methylcyclohexane
Concen: 4.20 ug/l
RT: 7.182 min Scan# 1036
Delta R.T. -0.253 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

Tgt Ion: 83 Resp: 4936
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 187.3 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.38 ug/l

RT: 6.164 min Scan# 863

Delta R.T. 0.006 min

Lab File: VX021609.D

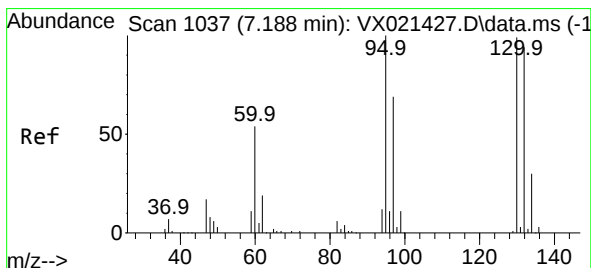
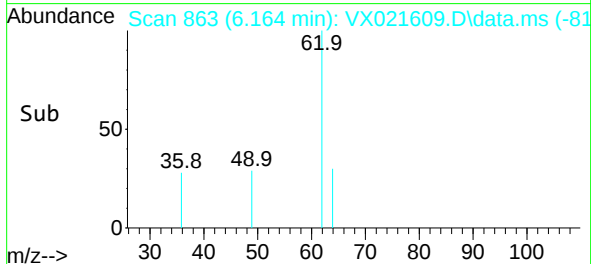
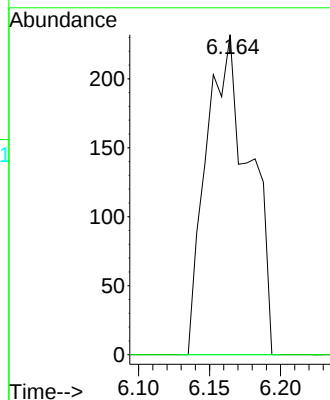
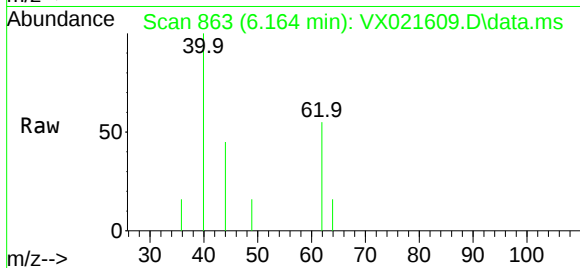
Acq: 30 Mar 2021 04:34

Tgt Ion: 62 Resp: 492

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 461.31 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VX021609.D

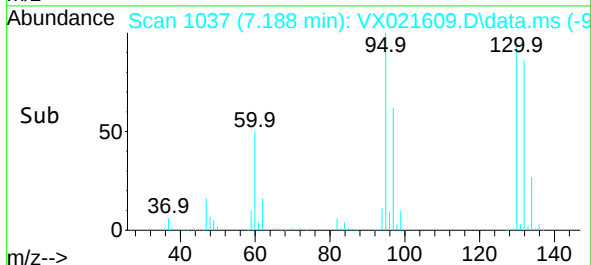
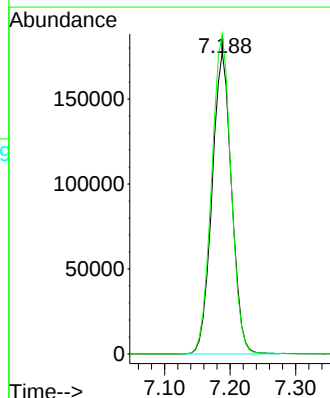
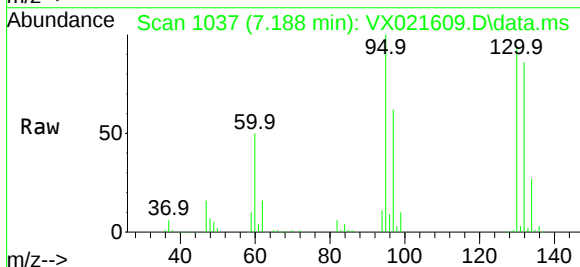
Acq: 30 Mar 2021 04:34

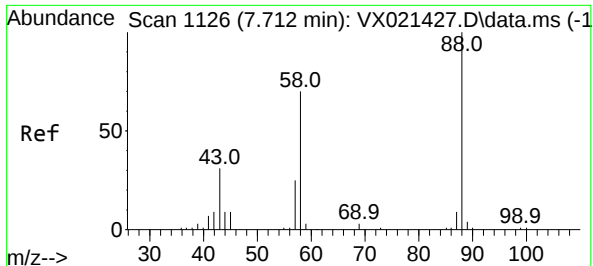
Tgt Ion:130 Resp: 366646

Ion Ratio Lower Upper

130 100

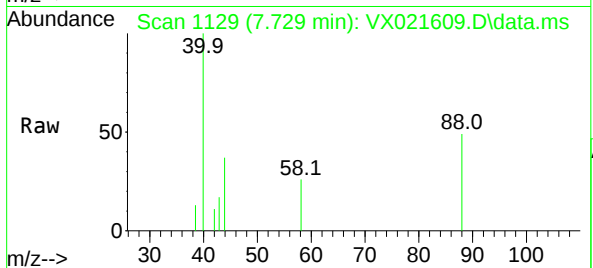
95 106.0 0.0 198.0



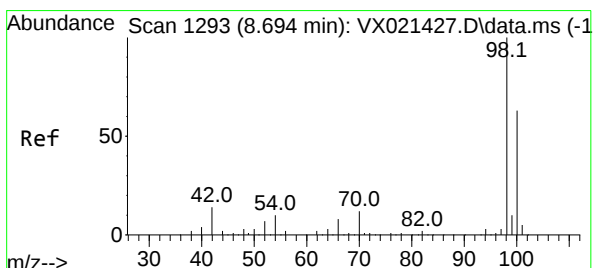
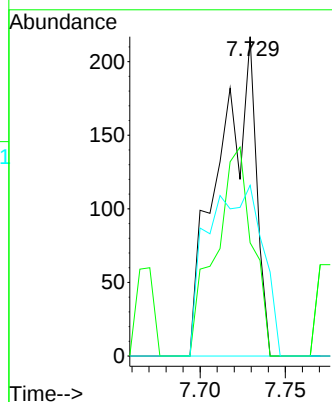
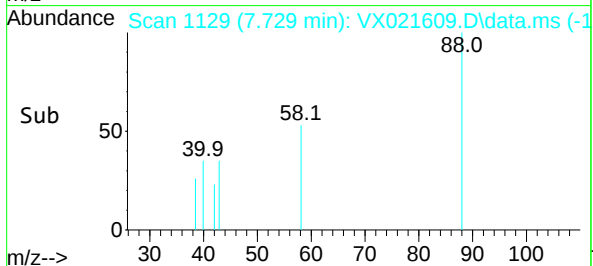


#49
1,4-Dioxane
Concen: 17.09 ug/l
RT: 7.729 min Scan# 1129
Delta R.T. 0.017 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

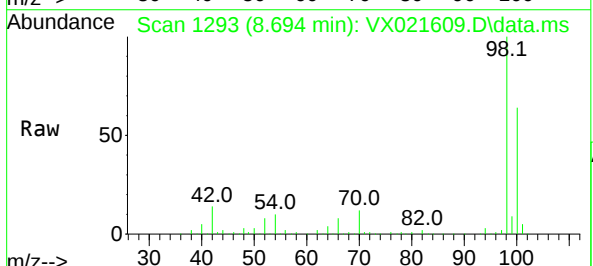
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325



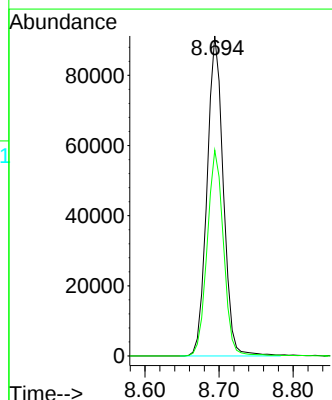
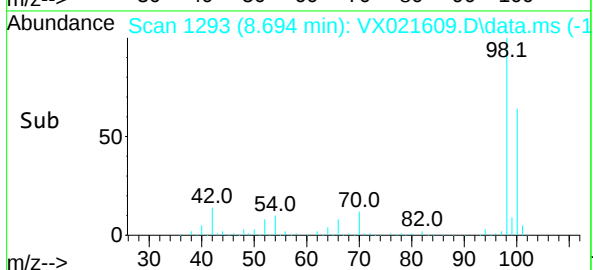
Tgt Ion: 88 Resp: 325
Ion Ratio Lower Upper
88 100
43 66.2 23.2 34.8#
58 79.7 55.0 82.4

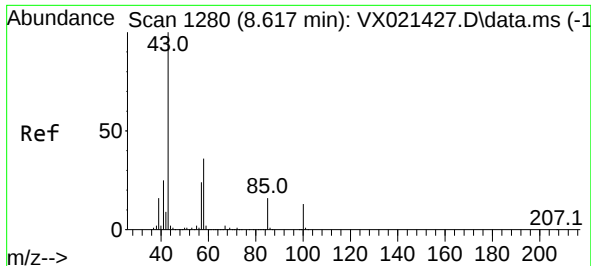


#50
Toluene-d8
Concen: 50.83 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34



Tgt Ion: 98 Resp: 139264
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

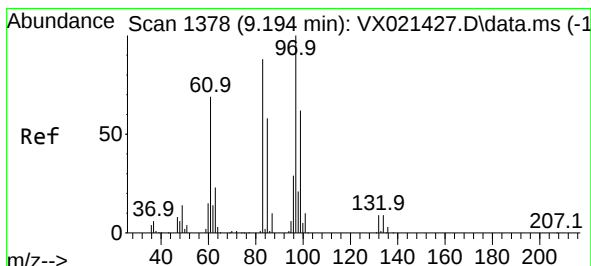
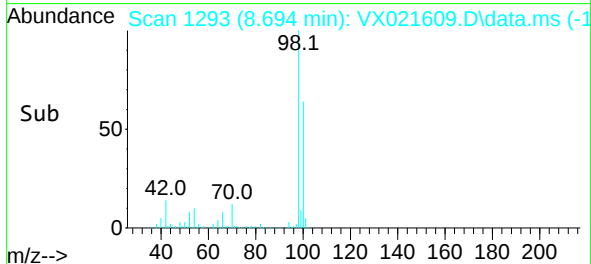
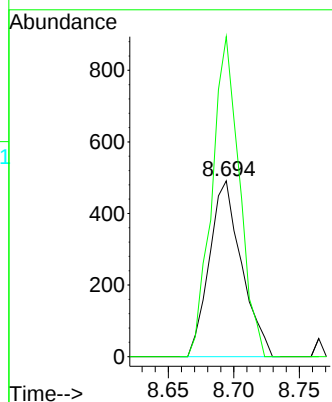
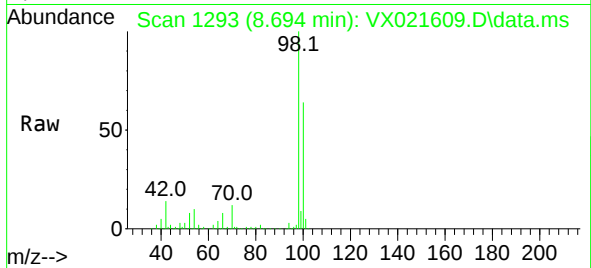




#51
4-Methyl-2-Pentanone
Concen: 0.68 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.077 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

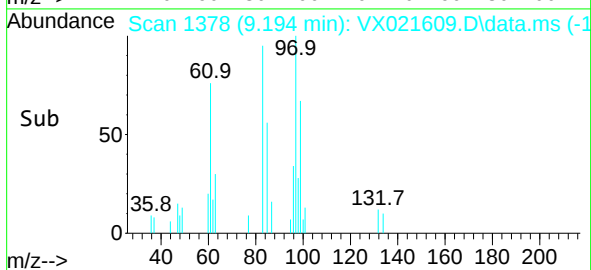
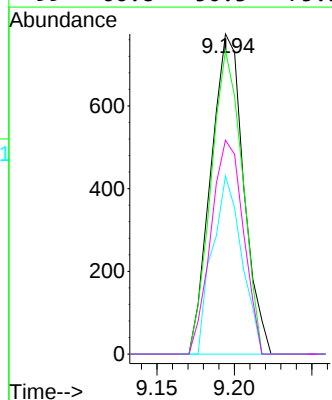
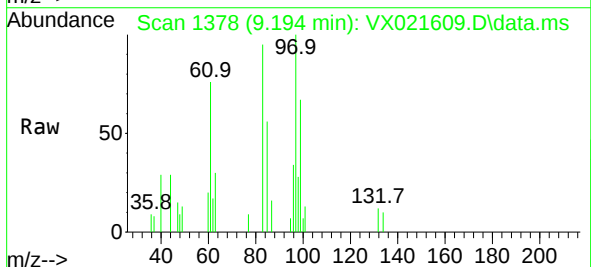
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325

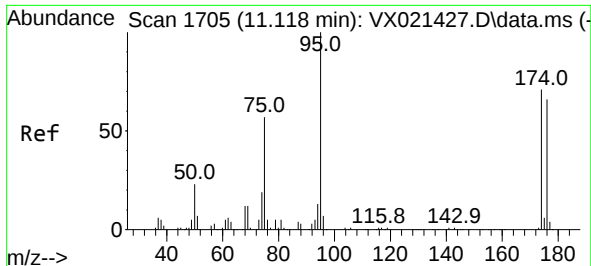
Tgt Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
58 155.5 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 1.45 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

Tgt Ion: 97 Resp: 1139
Ion Ratio Lower Upper
97 100
83 94.8 69.3 103.9
85 55.7 44.3 66.5
99 66.8 50.3 75.5

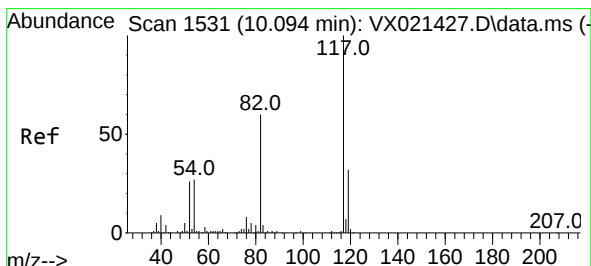
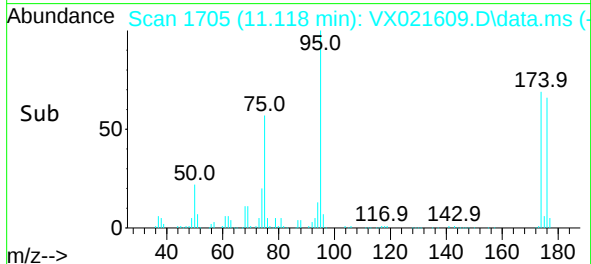
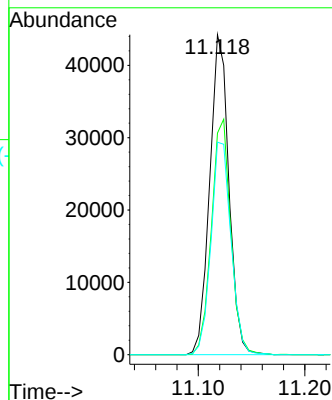
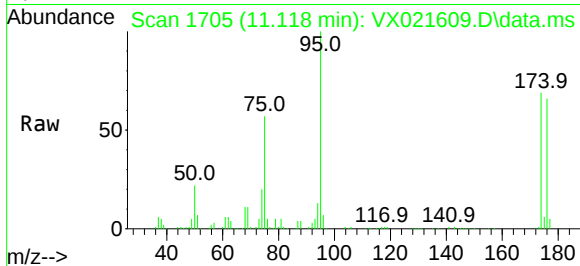




#62
4-Bromofluorobenzene
Concen: 52.08 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

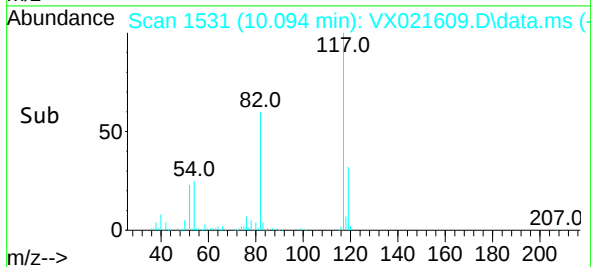
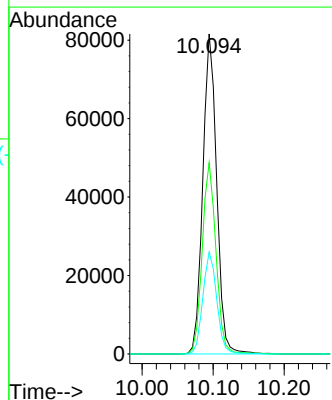
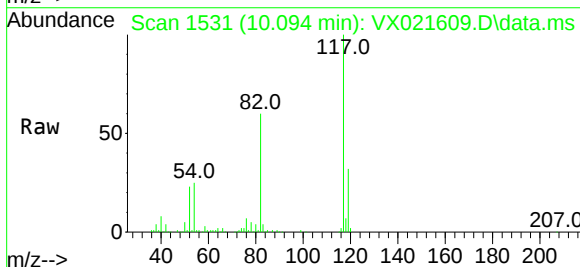
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325

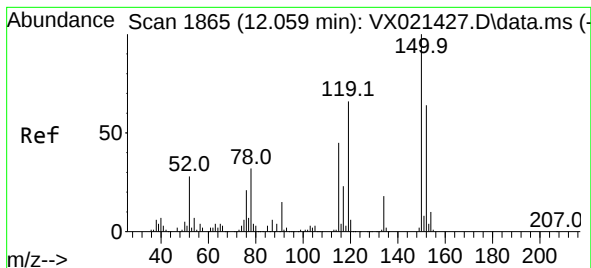
Tgt Ion: 95 Resp: 55479
Ion Ratio Lower Upper
95 100
174 74.3 0.0 154.6
176 69.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

Tgt Ion: 117 Resp: 111099
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 31.9 26.6 39.8

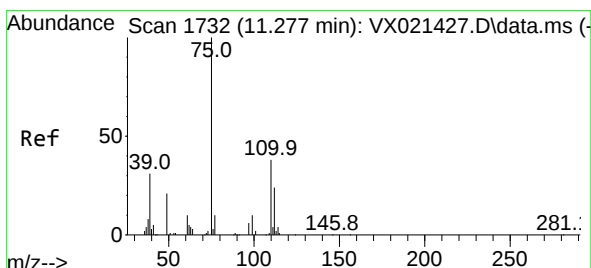
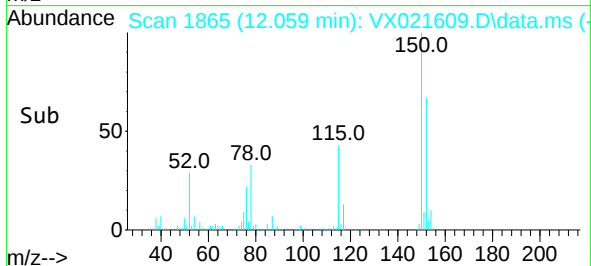
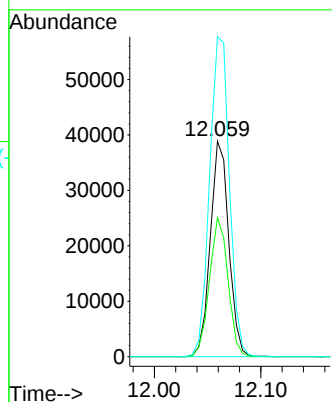
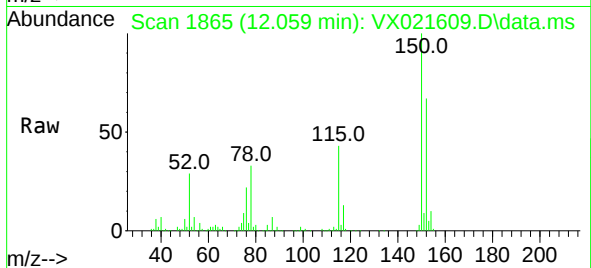




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

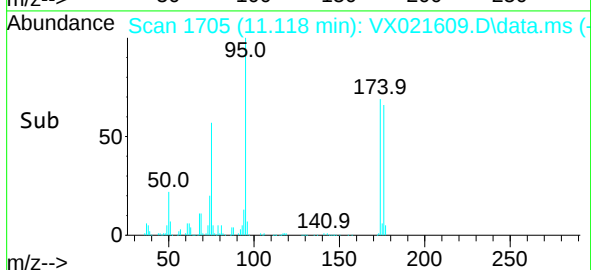
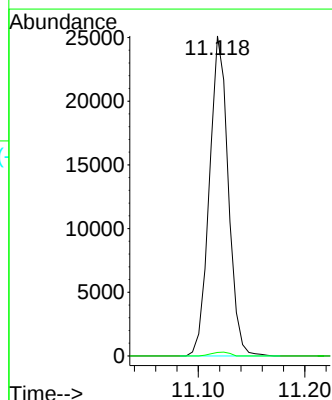
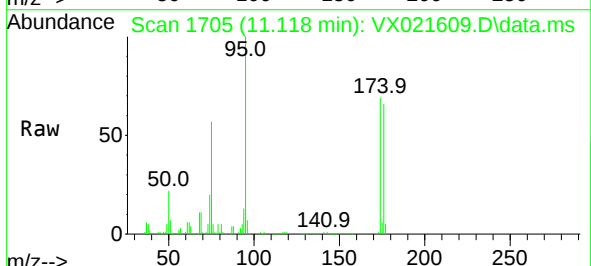
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325

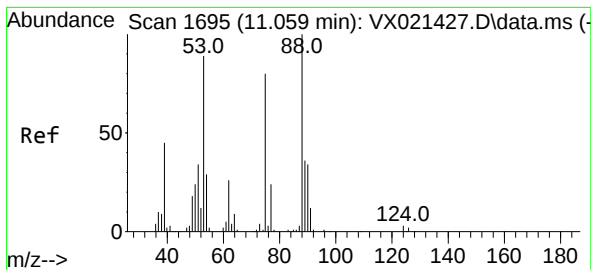
Tgt Ion:152 Resp: 46834
Ion Ratio Lower Upper
152 100
115 64.7 41.1 123.3
150 159.0 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 28.41 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021609.D
Acq: 30 Mar 2021 04:34

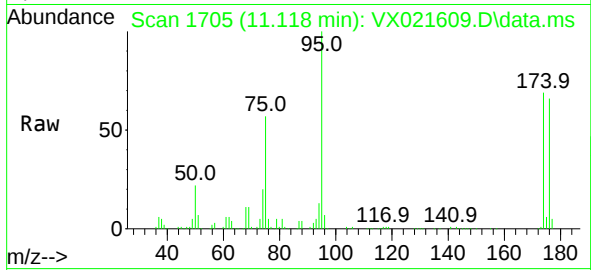
Tgt Ion: 75 Resp: 30974
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.53 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021609.D
 Acq: 30 Mar 2021 04:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20210325



Tgt Ion: 75 Resp: 30974
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

