

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033021\
 Data File : VX021654.D
 Acq On : 31 Mar 2021 01:27
 Operator : JC/MD
 Sample : M1843-14DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20210325DL

Quant Time: Mar 31 06:11:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

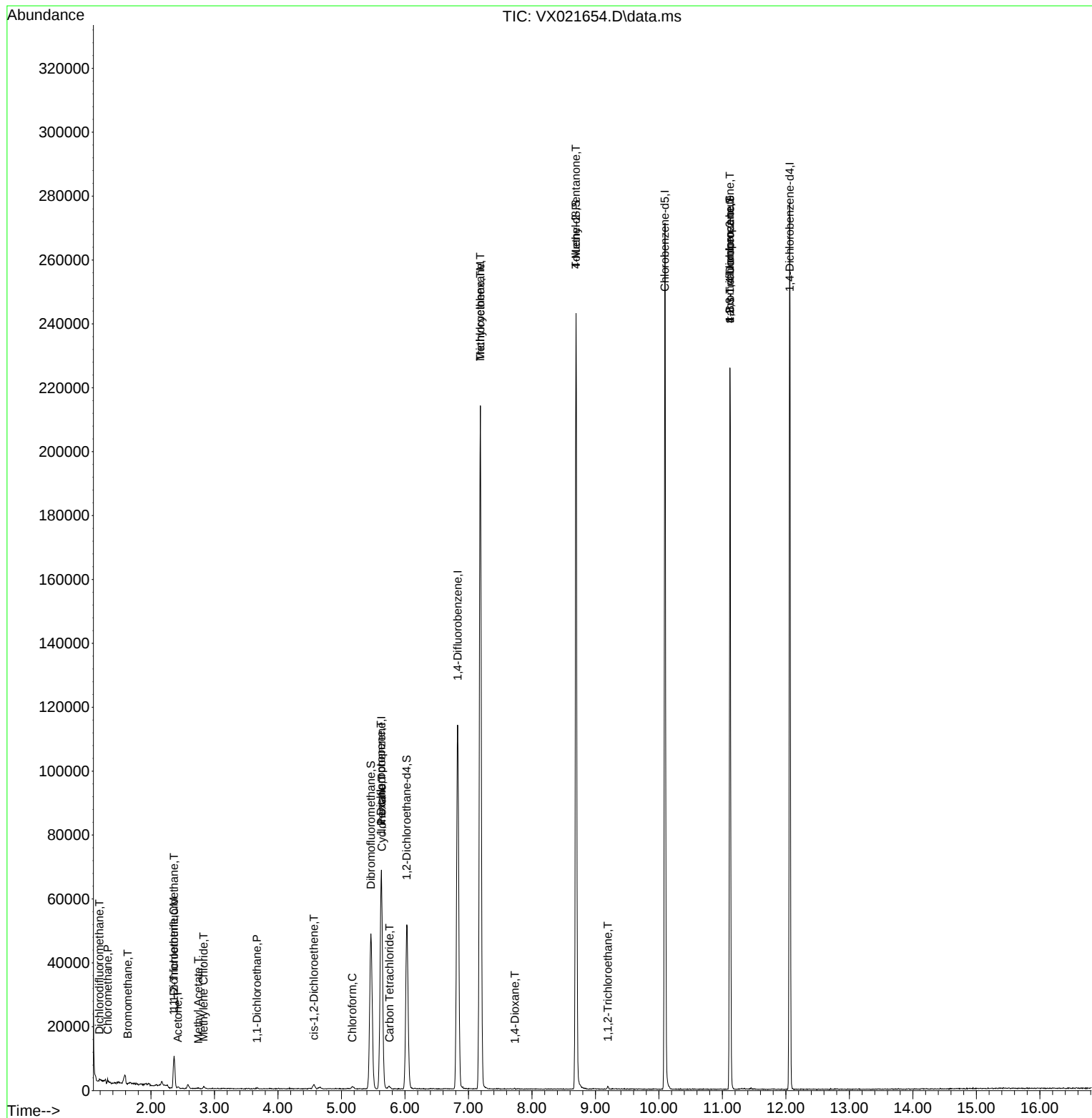
Internal Standards						
1) Pentafluorobenzene	5.629	168	57966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	107839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	111834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	52296	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	50882	52.76	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.52%
35) Dibromofluoromethane	5.464	113	39726	51.86	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.72%
50) Toluene-d8	8.694	98	137531	50.38	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.76%
62) 4-Bromofluorobenzene	11.118	95	57056	53.76	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.52%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	181	0.28	ug/l	91
3) Chloromethane	1.317	50	1573	2.19	ug/l	99
5) Bromomethane	1.634	94	81	0.31	ug/l #	2
9) 1,1,2-Trichlorotrifluo...	2.364	101	3571	5.99	ug/l	97
12) 1,1-Dichloroethene	2.358	96	367	0.63	ug/l #	77
16) Acetone	2.423	43	568	1.56	ug/l	97
18) Methyl Acetate	2.746	43	270	0.26	ug/l #	47
20) Methylene Chloride	2.829	84	348	0.49	ug/l #	90
24) 1,1-Dichloroethane	3.670	63	395	0.32	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	813	1.09	ug/l	94
30) Chloroform	5.170	83	829	0.63	ug/l #	80
31) Cyclohexane	5.635	56	1594	1.50	ug/l #	44
36) 1,1-Dichloropropene	5.623	75	5147	4.87	ug/l #	49
38) Carbon Tetrachloride	5.758	117	690	0.61	ug/l #	67
39) Methylcyclohexane	7.188	83	1073	0.92	ug/l #	1
44) Trichloroethene	7.188	130	74411	93.98	ug/l	98
49) 1,4-Dioxane	7.729	88	22	1.16	ug/l #	1
51) 4-Methyl-2-Pentanone	8.694	43	758	0.62	ug/l #	1
55) 1,1,2-Trichloroethane	9.194	97	239	0.31	ug/l #	84
76) 1,2,3-Trichloropropane	11.118	75	31484	25.86	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31484	78.77	ug/l #	12

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

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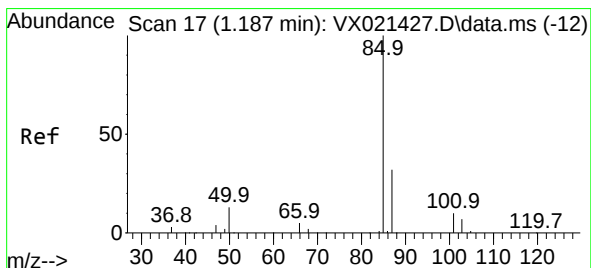
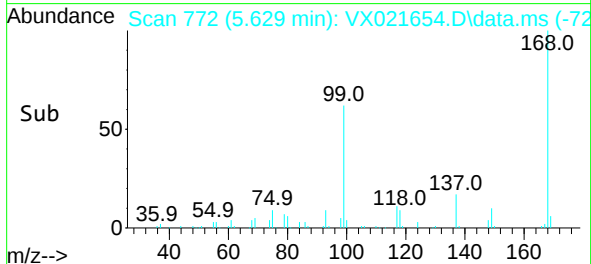
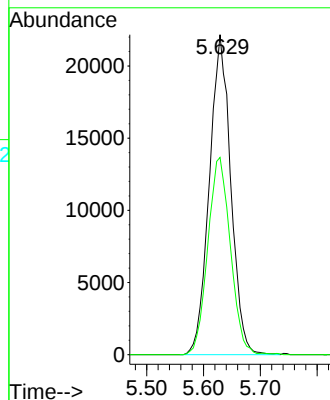
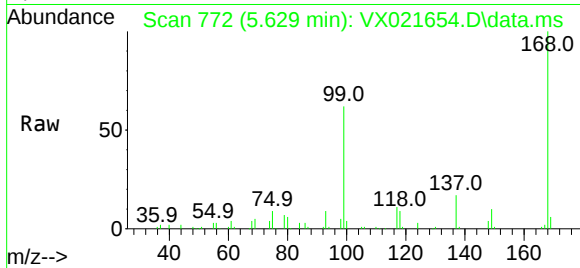




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

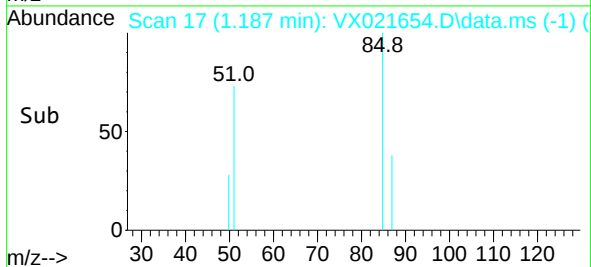
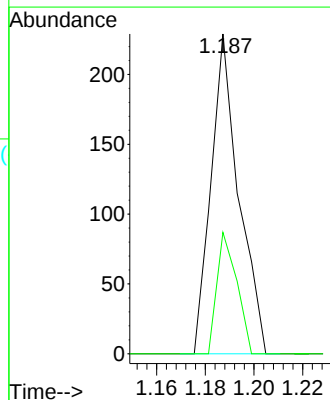
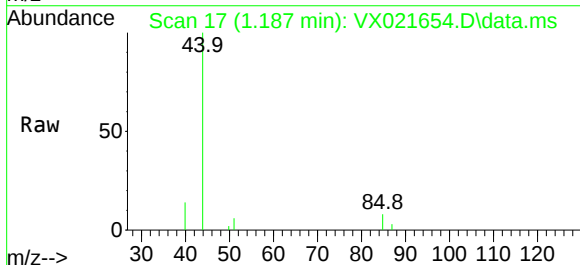
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325DL

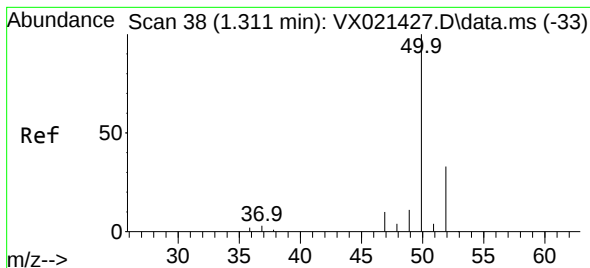
Tgt Ion:168 Resp: 57966
Ion Ratio Lower Upper
168 100
99 61.7 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.28 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

Tgt Ion: 85 Resp: 181
Ion Ratio Lower Upper
85 100
87 38.0 16.4 49.2





#3

Chloromethane

Concen: 2.19 ug/l

RT: 1.317 min Scan# 39

Delta R.T. 0.006 min

Lab File: VX021654.D

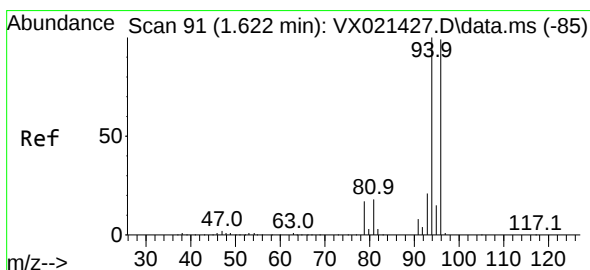
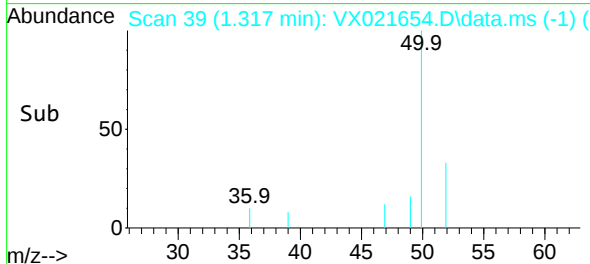
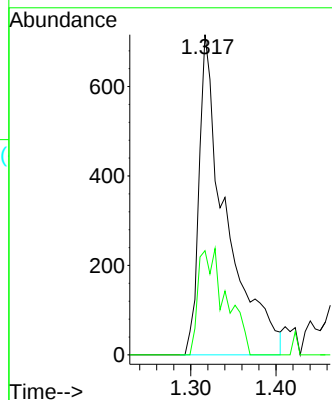
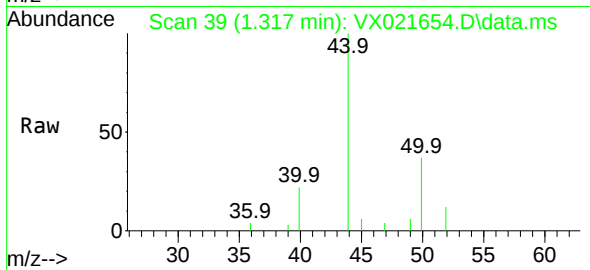
Acq: 31 Mar 2021 01:27

Tgt Ion: 50 Resp: 1573

Ion Ratio Lower Upper

50 100

52 32.5 26.4 39.6



#5

Bromomethane

Concen: 0.31 ug/l

RT: 1.634 min Scan# 93

Delta R.T. 0.012 min

Lab File: VX021654.D

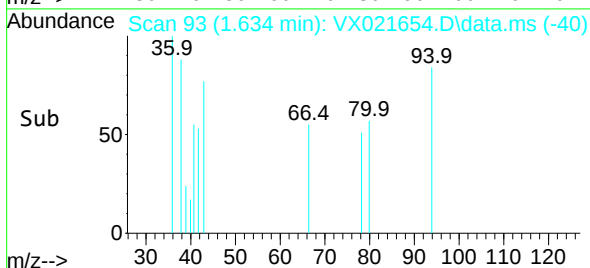
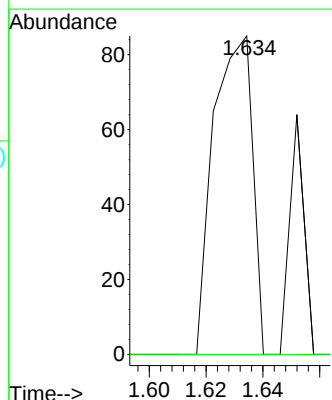
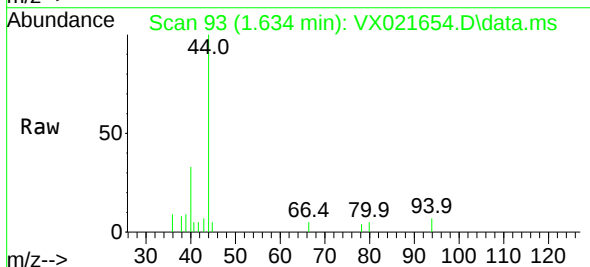
Acq: 31 Mar 2021 01:27

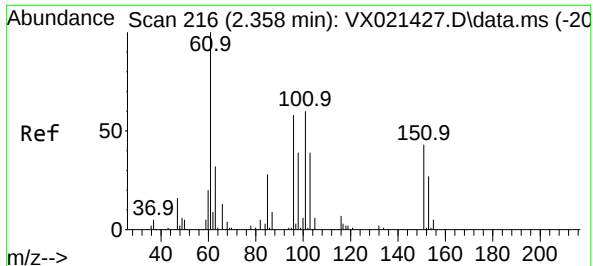
Tgt Ion: 94 Resp: 81

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

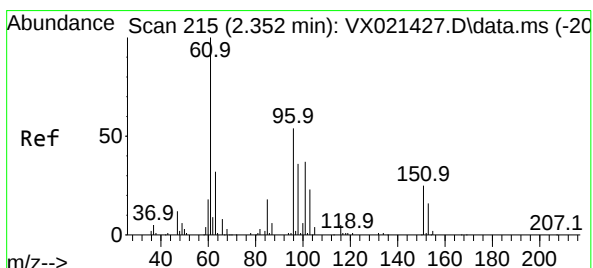
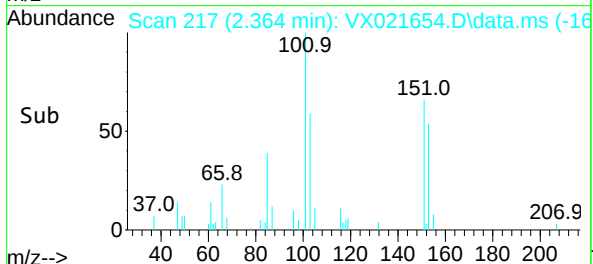
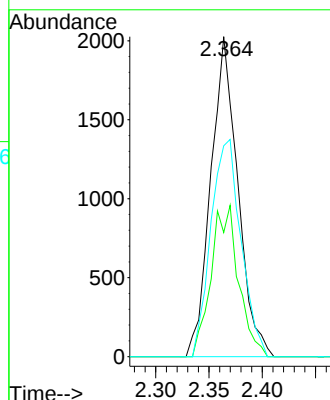
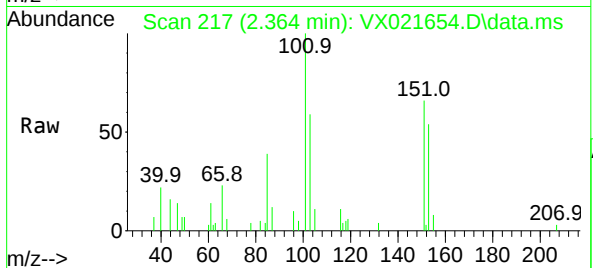




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.99 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

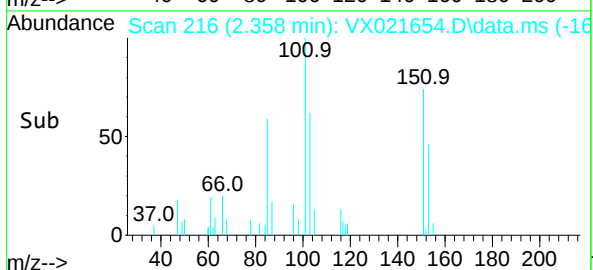
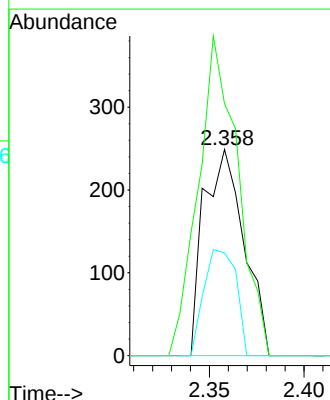
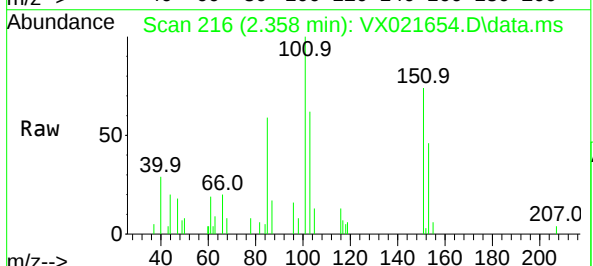
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325DL

Tgt Ion:101 Resp: 3571
Ion Ratio Lower Upper
101 100
85 47.8 34.9 52.3
151 75.8 61.4 92.2



#12
1,1-Dichloroethene
Concen: 0.63 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

Tgt Ion: 96 Resp: 367
Ion Ratio Lower Upper
96 100
61 122.1 124.6 187.0#
98 49.8 50.6 76.0#

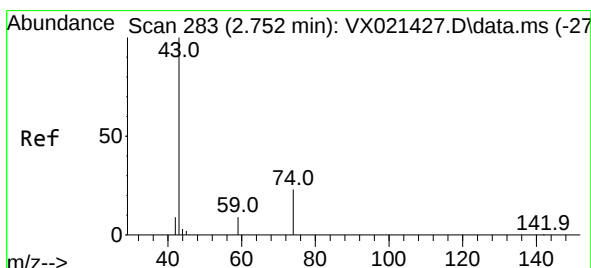
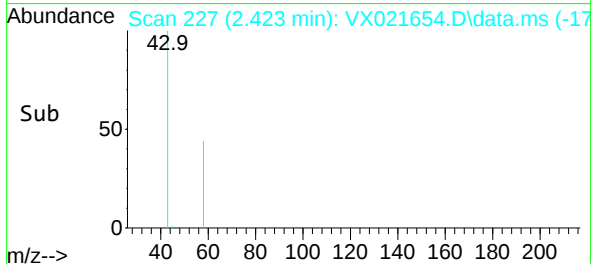
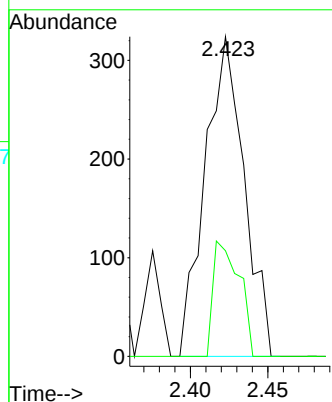
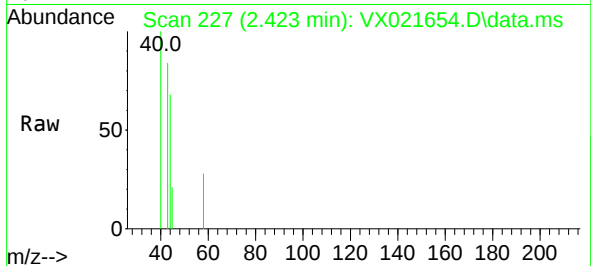




#16
Acetone
Concen: 1.56 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

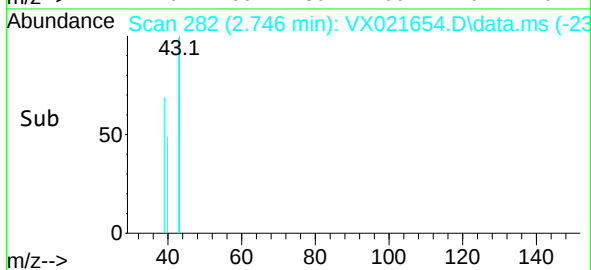
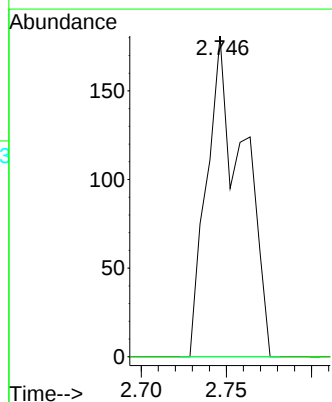
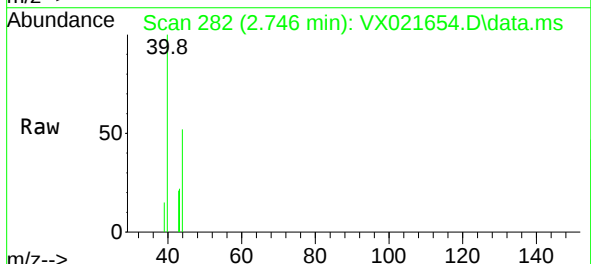
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325DL

Tgt Ion: 43 Resp: 568
Ion Ratio Lower Upper
43 100
58 33.0 27.8 41.8



#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

Tgt Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.49 ug/l

RT: 2.829 min Scan# 296

Delta R.T. -0.005 min

Lab File: VX021654.D

Acq: 31 Mar 2021 01:27

Tgt Ion: 84 Resp: 348

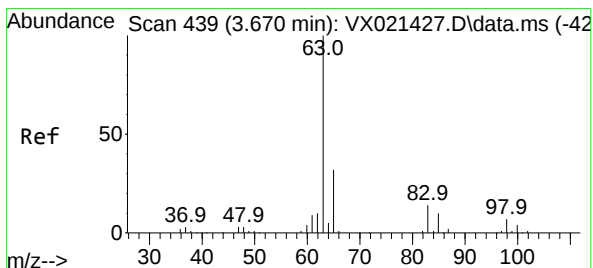
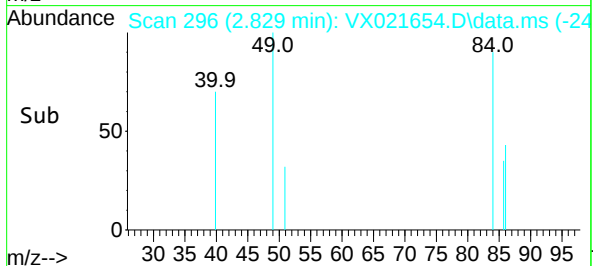
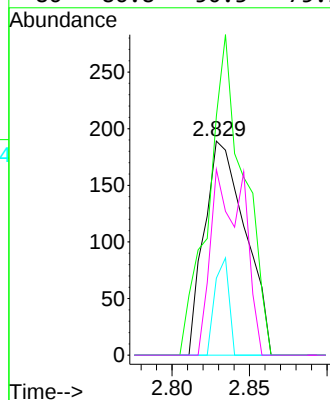
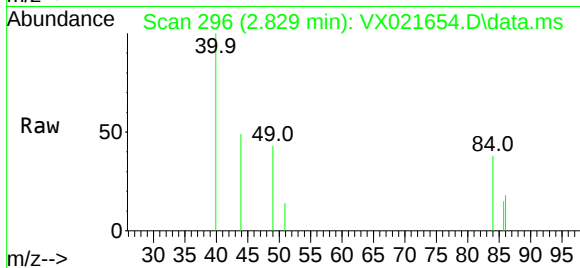
Ion Ratio Lower Upper

84 100

49 111.6 88.6 132.8

51 36.0 27.0 40.6

86 86.8 50.3 75.5#



#24

1,1-Dichloroethane

Concen: 0.32 ug/l

RT: 3.670 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX021654.D

Acq: 31 Mar 2021 01:27

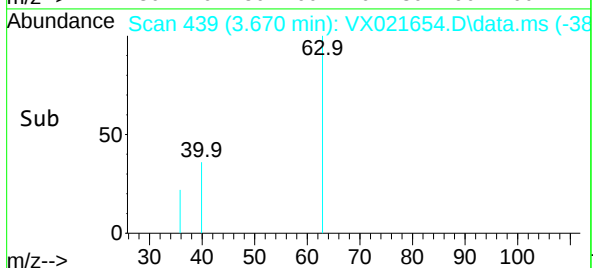
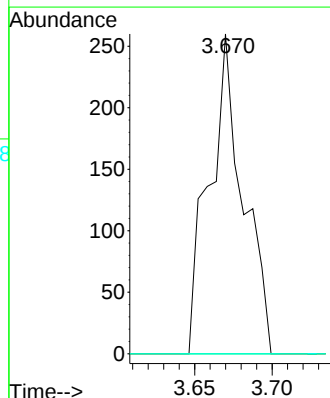
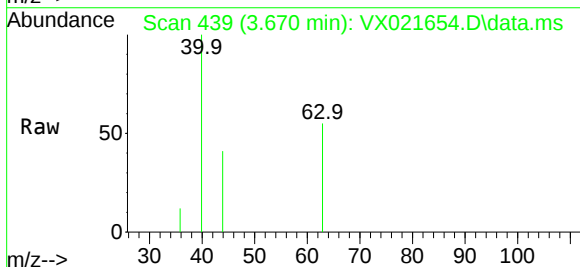
Tgt Ion: 63 Resp: 395

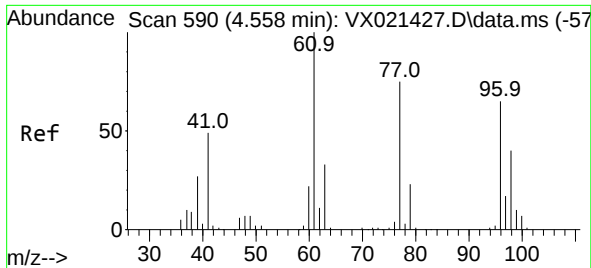
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 1.09 ug/l

RT: 4.564 min Scan# 591

Delta R.T. 0.006 min

Lab File: VX021654.D

Acq: 31 Mar 2021 01:27

Tgt Ion: 96 Resp: 813

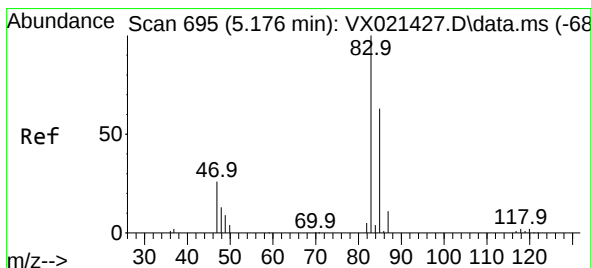
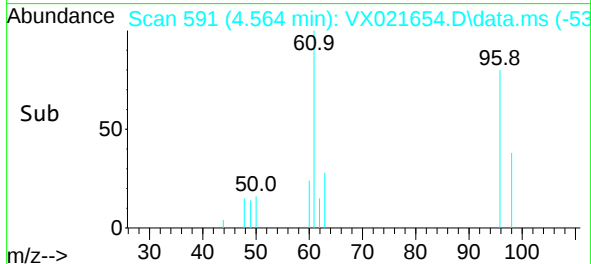
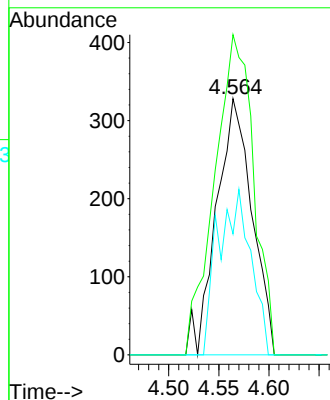
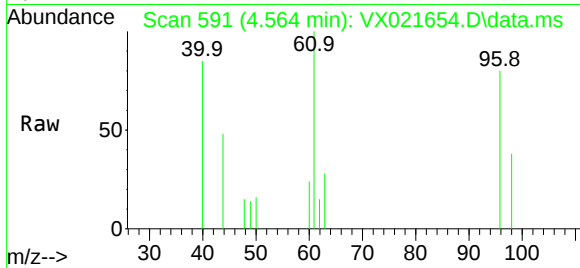
Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	285.6
98	59.3	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20210325DL



#30

Chloroform

Concen: 0.63 ug/l

RT: 5.170 min Scan# 694

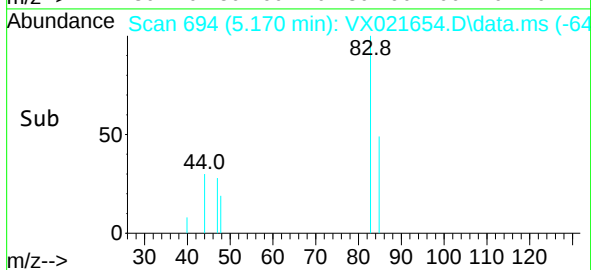
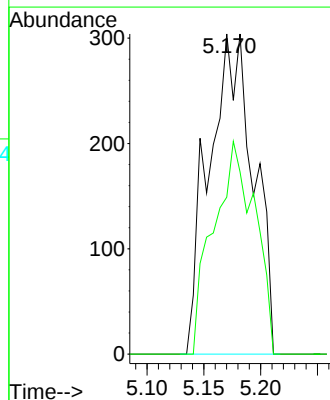
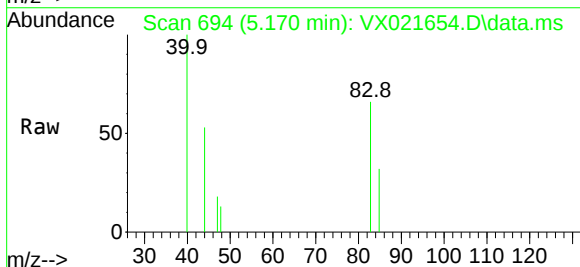
Delta R.T. -0.006 min

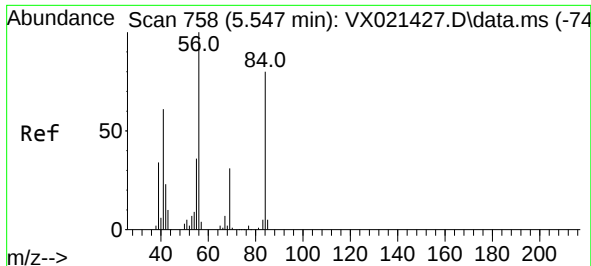
Lab File: VX021654.D

Acq: 31 Mar 2021 01:27

Tgt Ion: 83 Resp: 829

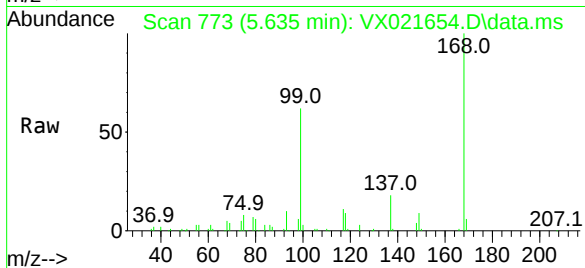
Ion	Ratio	Lower	Upper
83	100		
85	49.0	52.0	78.0#



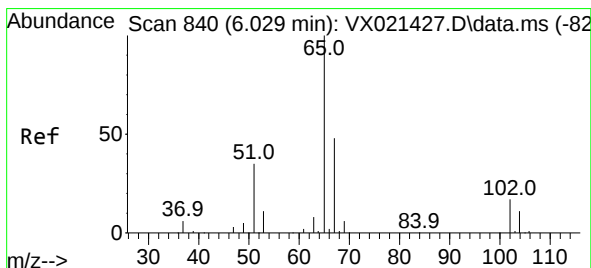
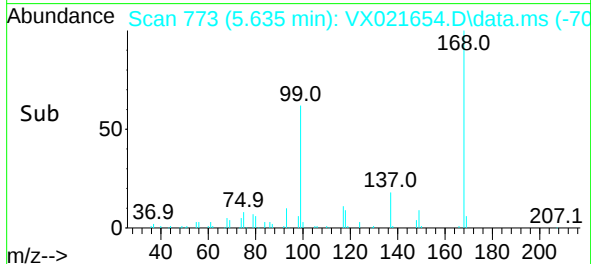
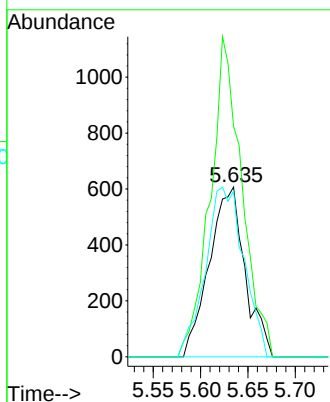


#31
Cyclohexane
Concen: 1.50 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.088 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325DL

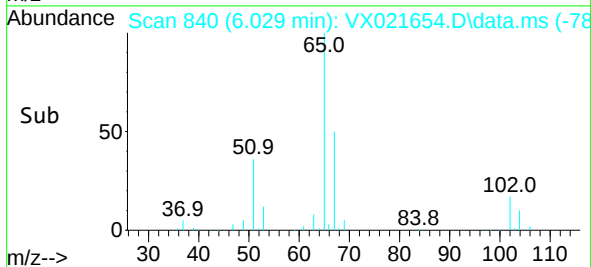
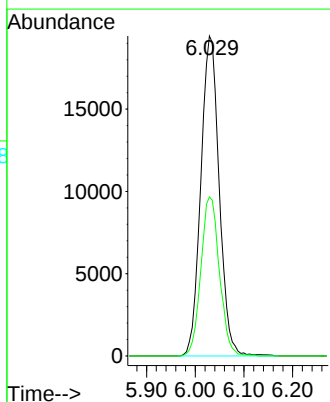
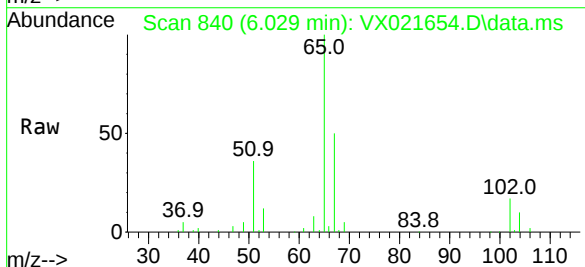


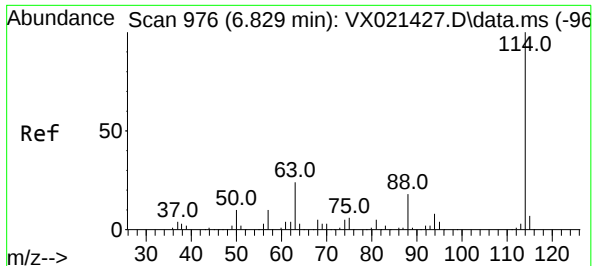
Tgt Ion: 56 Resp: 1594
Ion Ratio Lower Upper
56 100
69 135.9 25.3 37.9#
84 97.7 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 52.76 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

Tgt Ion: 65 Resp: 50882
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4

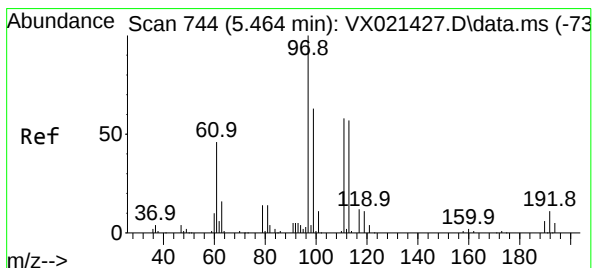
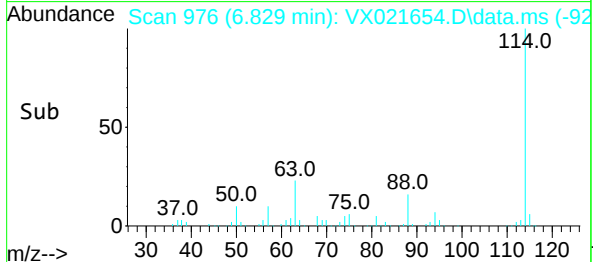
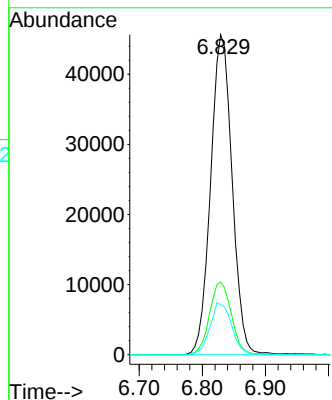
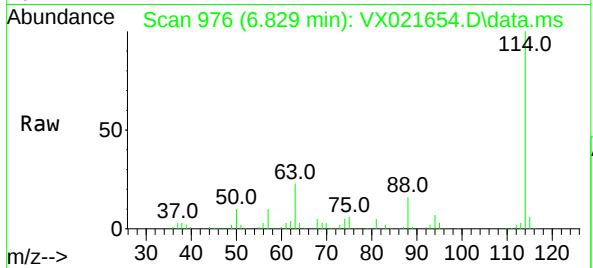




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

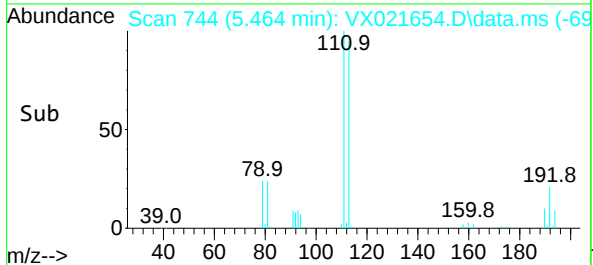
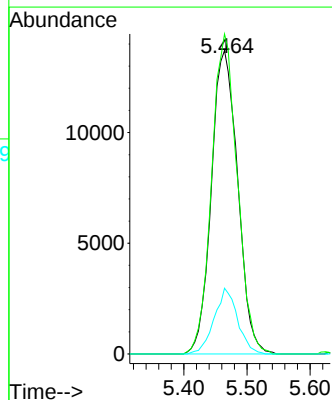
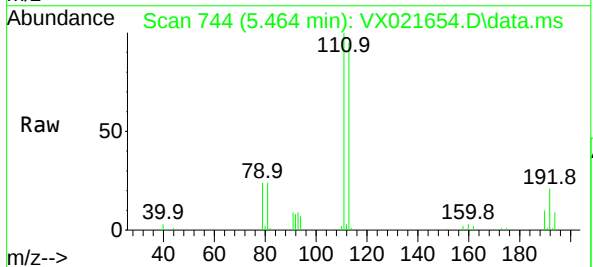
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325DL

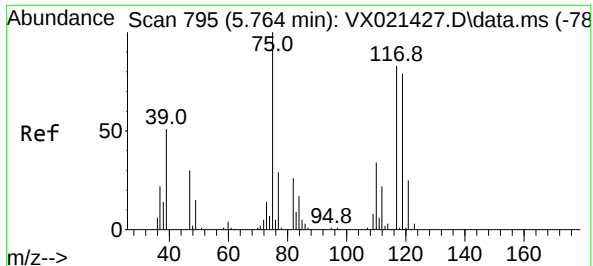
Tgt Ion:114 Resp: 107839
Ion Ratio Lower Upper
114 100
63 22.7 0.0 40.8
88 15.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.86 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

Tgt Ion:113 Resp: 39726
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 19.2 16.7 25.1



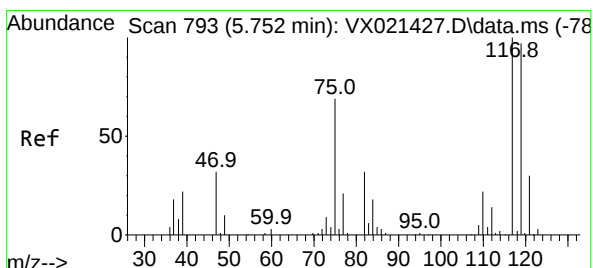
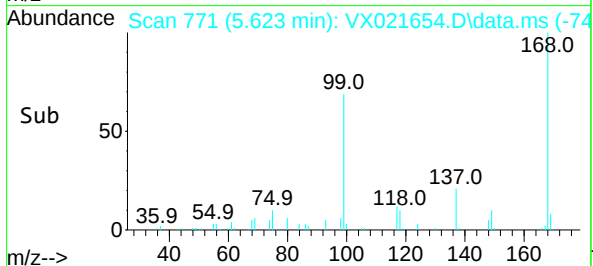
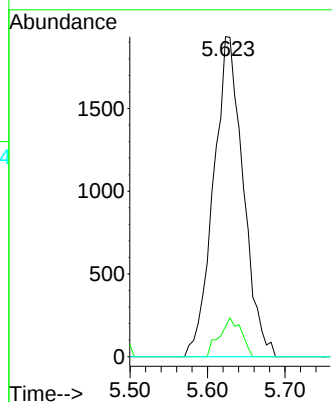
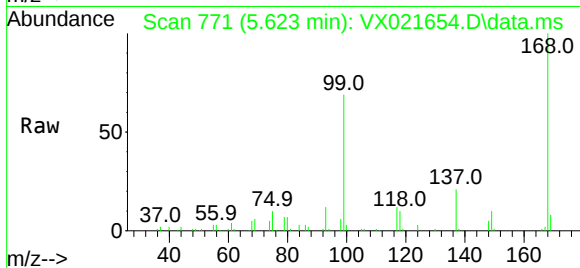


#36

1,1-Dichloropropene
Concen: 4.87 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325DL

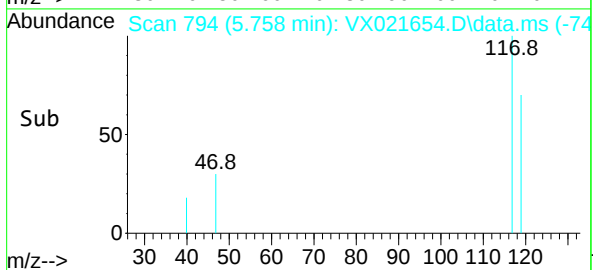
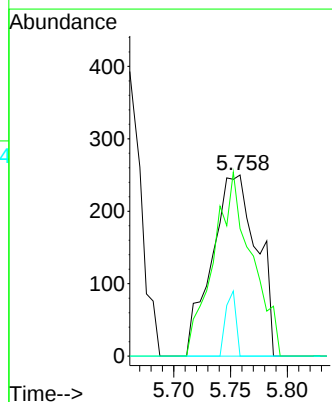
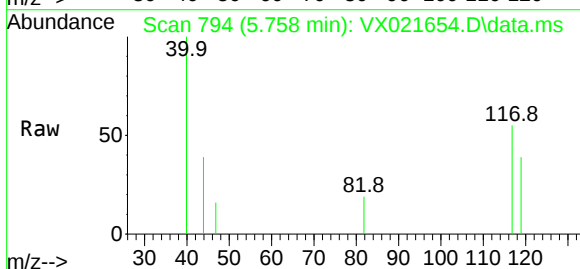
Tgt Ion: 75 Resp: 5147
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.0 25.3 37.9#

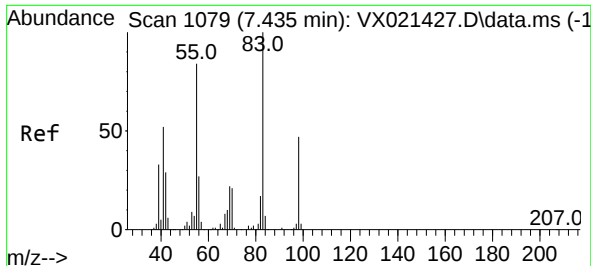


#38

Carbon Tetrachloride
Concen: 0.61 ug/l
RT: 5.758 min Scan# 794
Delta R.T. 0.006 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

Tgt Ion: 117 Resp: 690
Ion Ratio Lower Upper
117 100
119 70.4 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.92 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.247 min

Lab File: VX021654.D

Acq: 31 Mar 2021 01:27

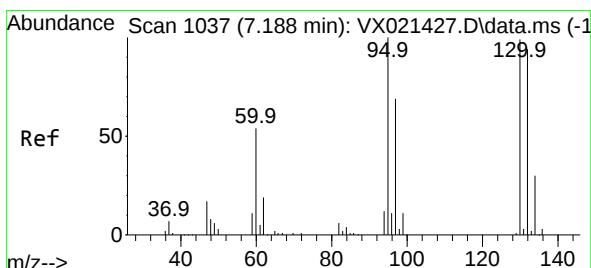
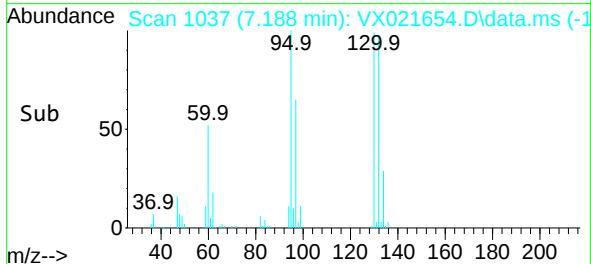
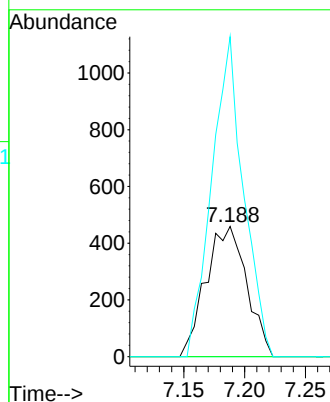
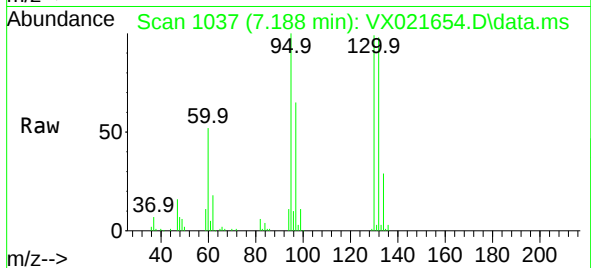
Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20210325DL

Tgt Ion:	83	Resp:	1073
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	245.8	38.1	57.1#



#44

Trichloroethene

Concen: 93.98 ug/l

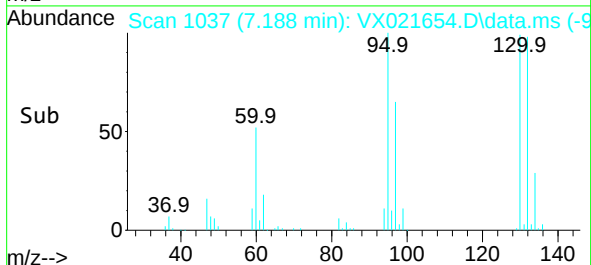
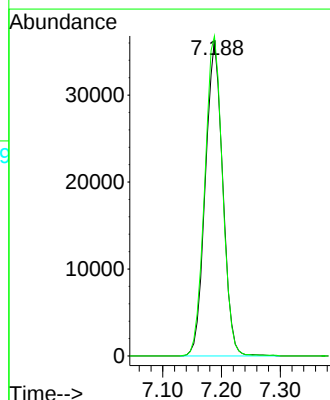
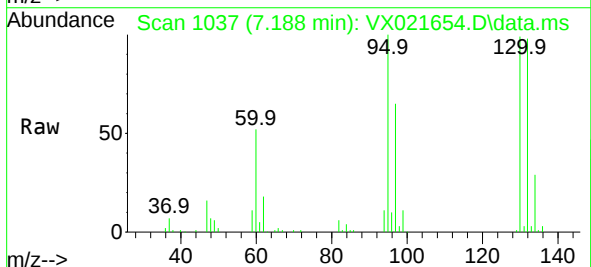
RT: 7.188 min Scan# 1037

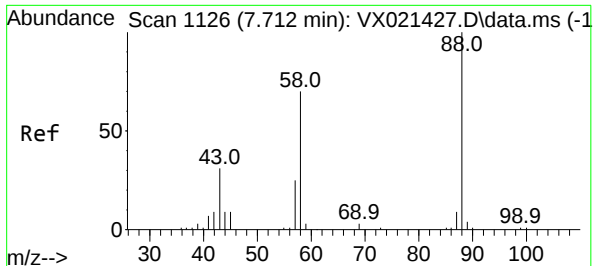
Delta R.T. -0.000 min

Lab File: VX021654.D

Acq: 31 Mar 2021 01:27

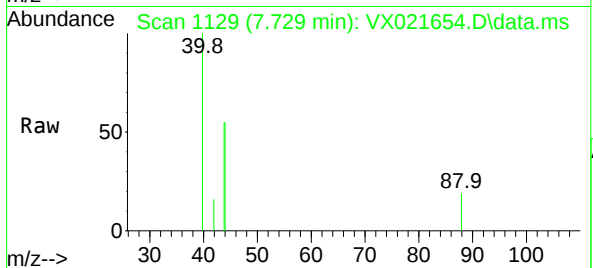
Tgt Ion:	130	Resp:	74411
Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	198.0



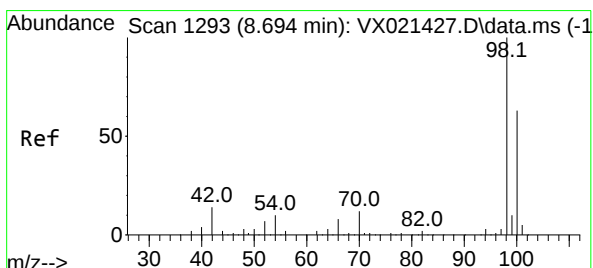
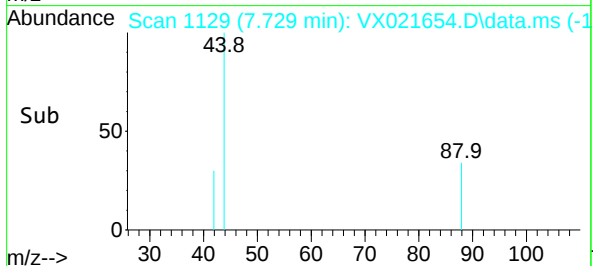
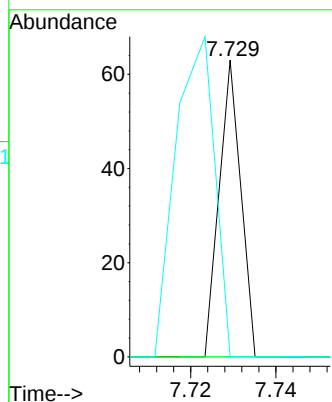


#49
1,4-Dioxane
Concen: 1.16 ug/l
RT: 7.729 min Scan# 1129
Delta R.T. 0.017 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325DL

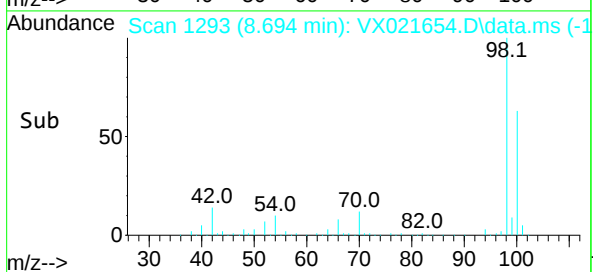
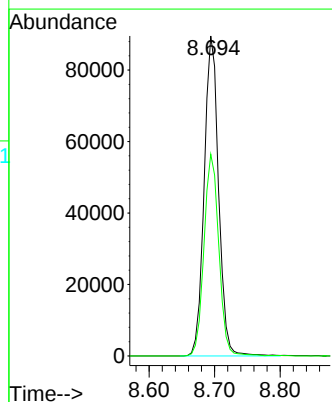
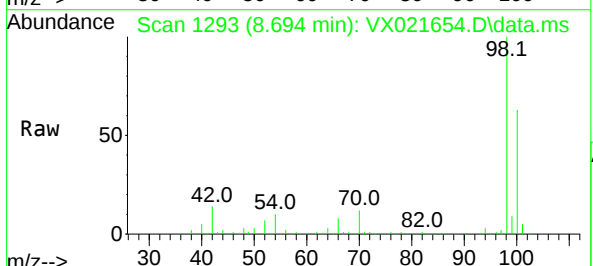


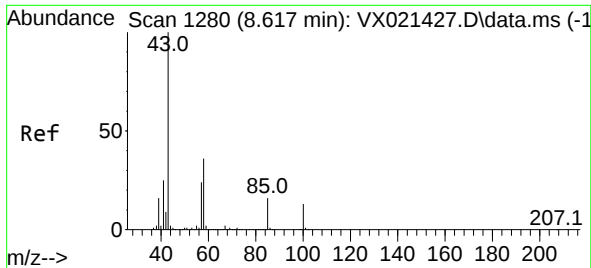
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 195.5 55.0 82.4#



#50
Toluene-d8
Concen: 50.38 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

Tgt Ion: 98 Resp: 137531
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

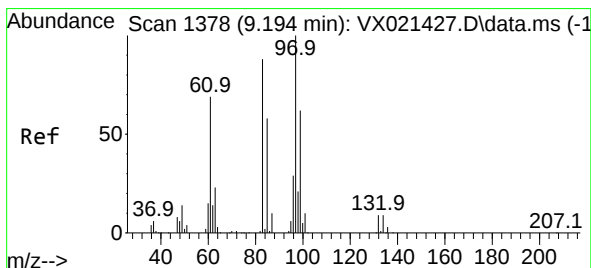
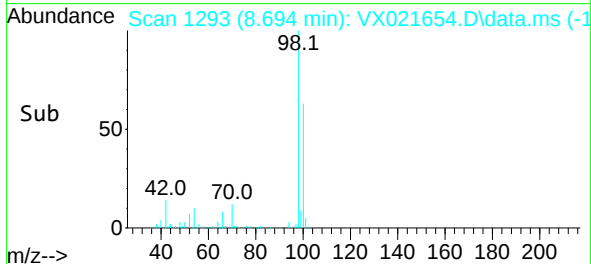
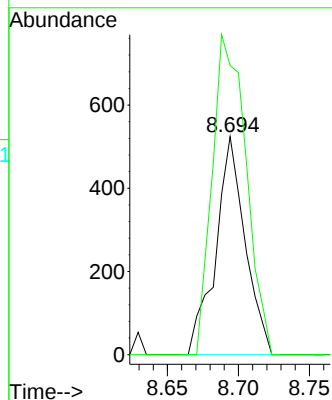
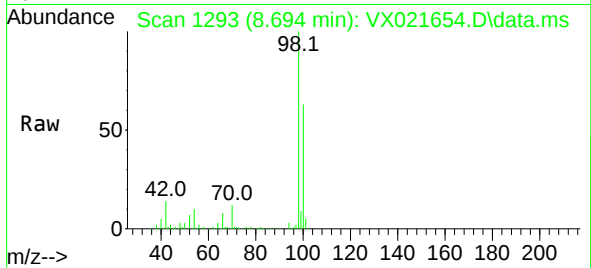




#51
4-Methyl-2-Pentanone
Concen: 0.62 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.077 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

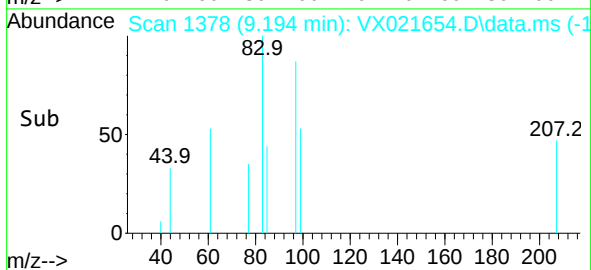
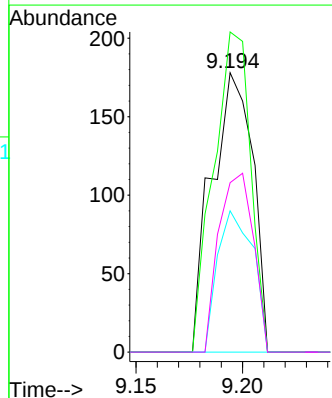
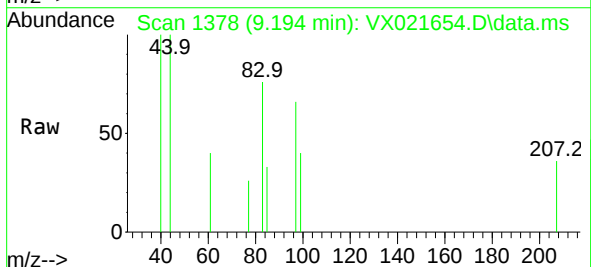
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325DL

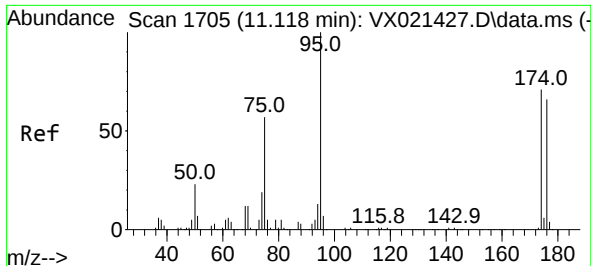
Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
58 167.7 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.31 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

Tgt Ion: 97 Resp: 239
Ion Ratio Lower Upper
97 100
83 114.6 69.3 103.9#
85 50.6 44.3 66.5
99 60.7 50.3 75.5

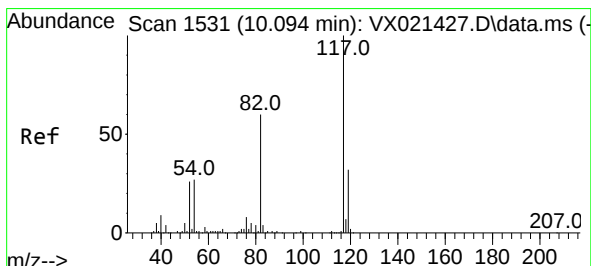
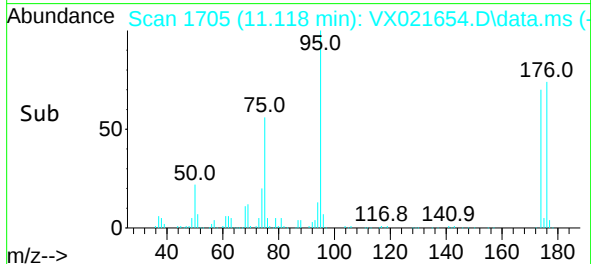
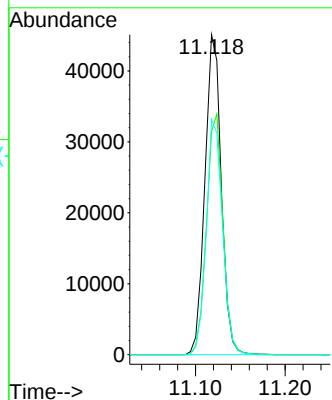
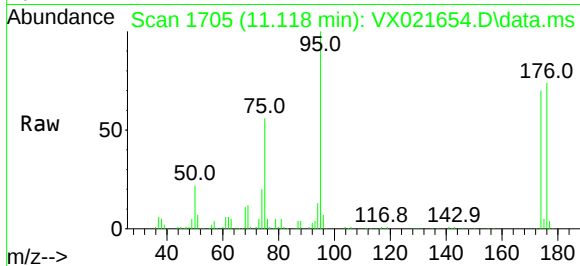




#62
4-Bromofluorobenzene
Concen: 53.76 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

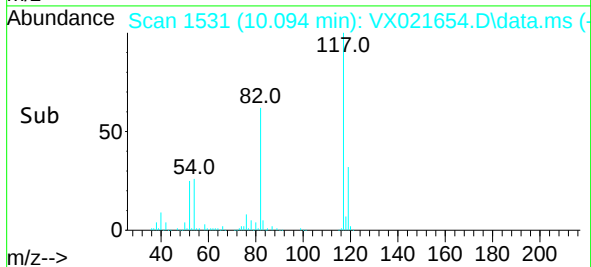
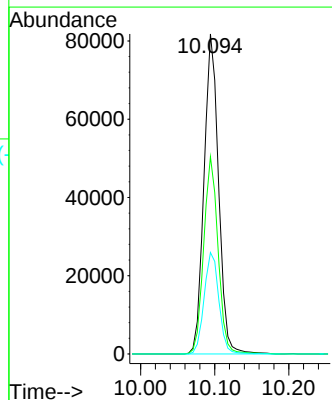
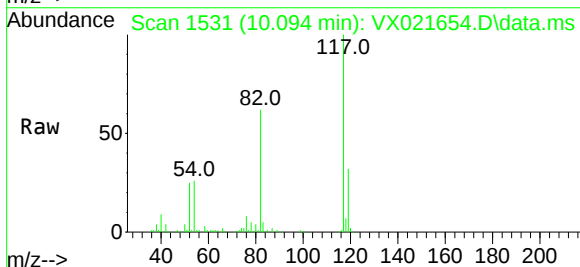
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325DL

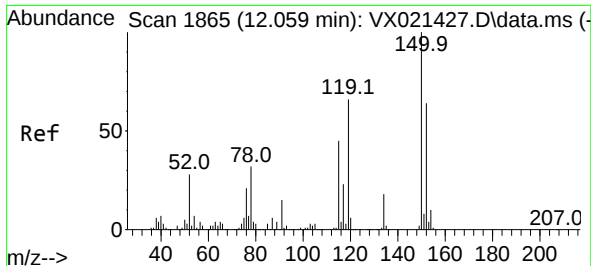
Tgt Ion: 95 Resp: 57056
Ion Ratio Lower Upper
95 100
174 76.1 0.0 154.6
176 73.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

Tgt Ion: 117 Resp: 111834
Ion Ratio Lower Upper
117 100
82 61.7 47.4 71.2
119 31.7 26.6 39.8

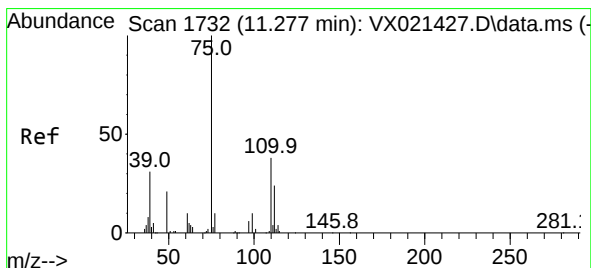
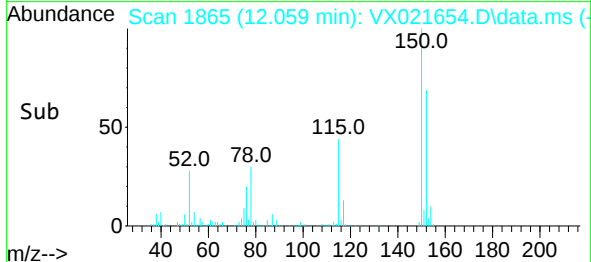
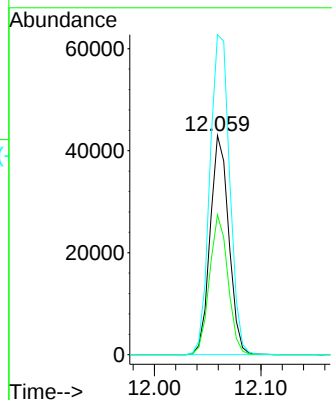
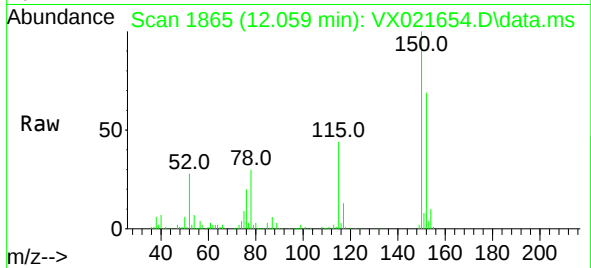




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

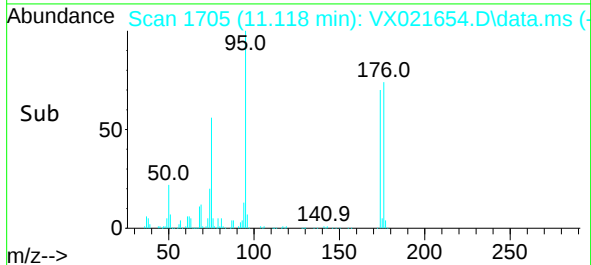
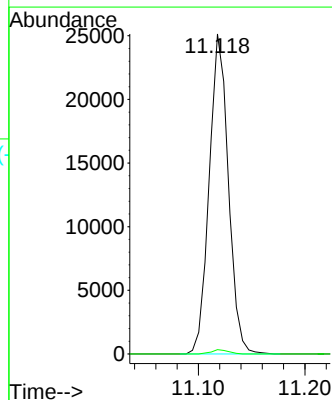
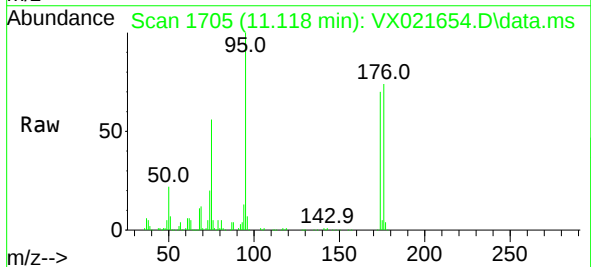
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210325DL

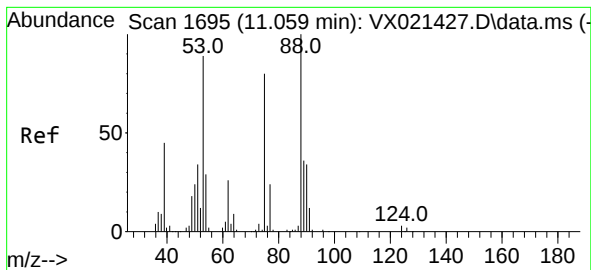
Tgt Ion:152 Resp: 52296
Ion Ratio Lower Upper
152 100
115 62.9 41.1 123.3
150 155.6 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.86 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021654.D
Acq: 31 Mar 2021 01:27

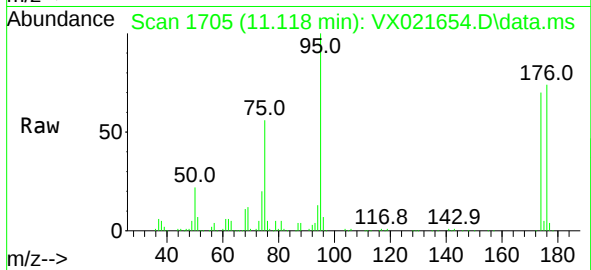
Tgt Ion: 75 Resp: 31484
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.77 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021654.D
 Acq: 31 Mar 2021 01:27

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20210325DL



Tgt Ion: 75 Resp: 31484
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

