

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033021\
 Data File : VX021651.D
 Acq On : 31 Mar 2021 00:17
 Operator : JC/MD
 Sample : M1843-09DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP07-20210324DL

Quant Time: Mar 31 06:11:03 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)

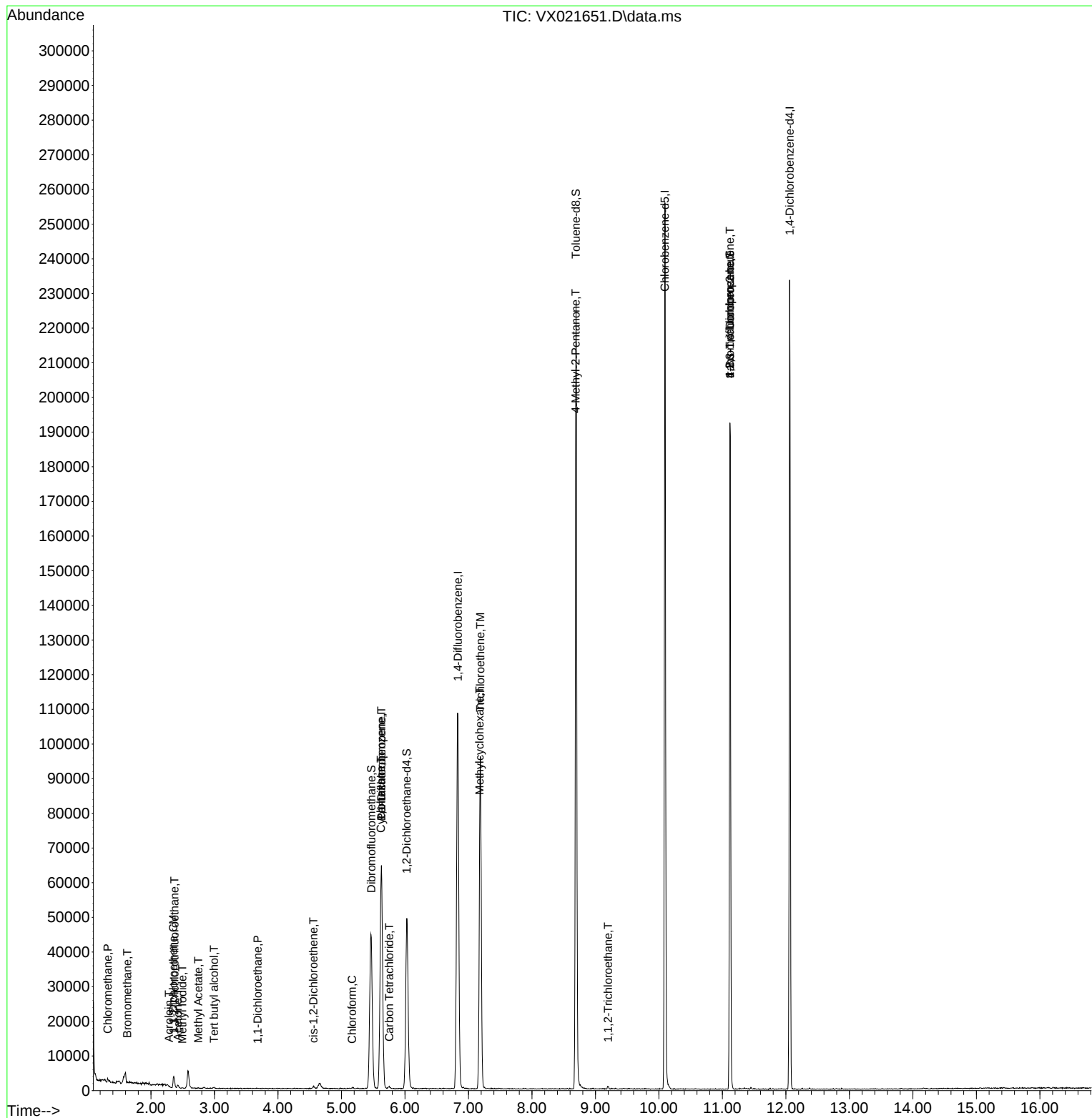
Internal Standards								
1) Pentafluorobenzene			5.629	168	55737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene			6.835	114	101776	50.00	ug/l	0.00
63) Chlorobenzene-d5			10.094	117	102716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4			12.059	152	42485	50.00	ug/l	0.00
System Monitoring Compounds								
33) 1,2-Dichloroethane-d4			6.029	65	48338	52.12	ug/l	0.00
Spiked Amount		50.000	Range	78 - 117	Recovery	= 104.24%		
35) Dibromofluoromethane			5.470	113	36898	51.04	ug/l	0.00
Spiked Amount		50.000	Range	75 - 124	Recovery	= 102.08%		
50) Toluene-d8			8.694	98	125803	48.83	ug/l	0.00
Spiked Amount		50.000	Range	92 - 112	Recovery	= 97.66%		
62) 4-Bromofluorobenzene			11.118	95	50328	50.25	ug/l	0.00
Spiked Amount		50.000	Range	83 - 123	Recovery	= 100.50%		
Target Compounds								
								Qvalue
3) Chloromethane			1.317	50	1644	2.37	ug/l	89
5) Bromomethane			1.628	94	66	0.26	ug/l	90
9) 1,1,2-Trichlorotrifluo...			2.370	101	851	1.48	ug/l	94
10) Methyl Iodide			2.493	142	93	6.82	ug/l #	42
11) Tert butyl alcohol			2.993	59	198	1.29	ug/l #	73
12) 1,1-Dichloroethene			2.352	96	462	0.82	ug/l	93
13) Acrolein			2.281	56	40	4.81	ug/l #	14
16) Acetone			2.423	43	776	2.21	ug/l	94
18) Methyl Acetate			2.746	43	361	0.36	ug/l #	47
24) 1,1-Dichloroethane			3.682	63	267	0.22	ug/l #	81
27) cis-1,2-Dichloroethene			4.558	96	341	0.48	ug/l	76
30) Chloroform			5.164	83	343	0.27	ug/l #	18
31) Cyclohexane			5.623	56	1535	1.51	ug/l #	42
36) 1,1-Dichloropropene			5.629	75	5005	5.02	ug/l #	51
38) Carbon Tetrachloride			5.753	117	402	0.38	ug/l #	72
39) Methylcyclohexane			7.176	83	467	0.42	ug/l #	1
44) Trichloroethene			7.188	130	33553	44.90	ug/l	90
51) 4-Methyl-2-Pentanone			8.688	43	764	0.66	ug/l #	1
55) 1,1,2-Trichloroethane			9.200	97	198	0.27	ug/l #	85
76) 1,2,3-Trichloropropane			11.118	75	28227	28.54	ug/l #	38
81) trans-1,4-Dichloro-2-b...			11.118	75	28227	86.93	ug/l #	12

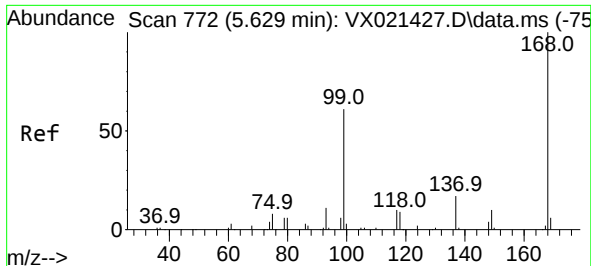
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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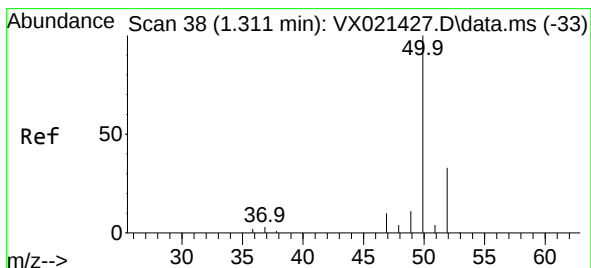
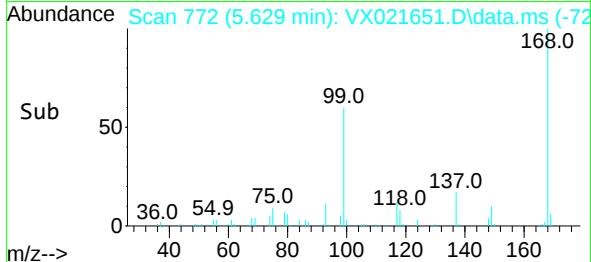
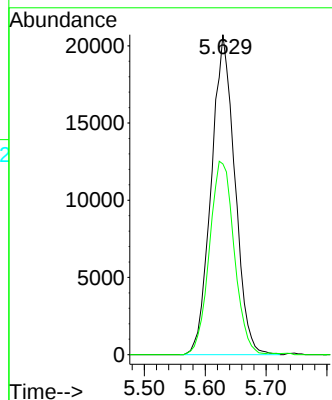
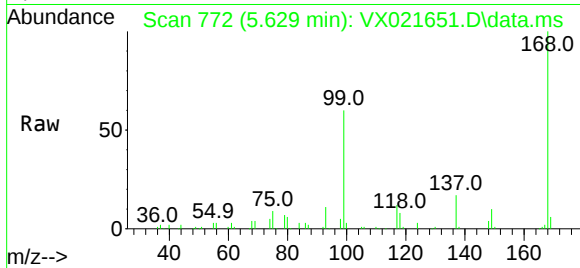




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

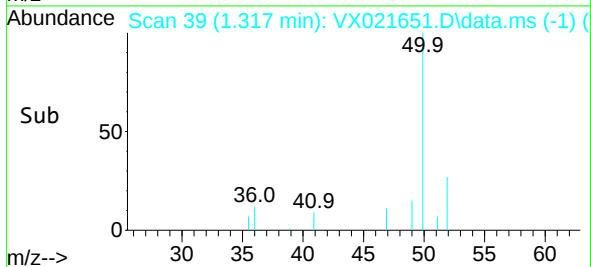
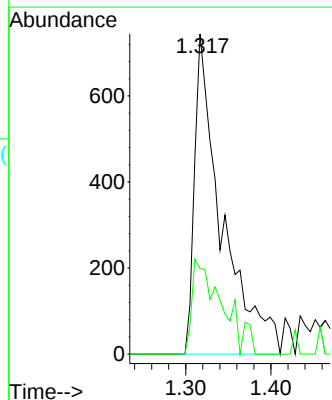
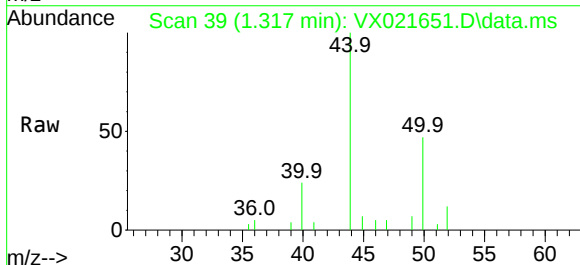
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20210324DL

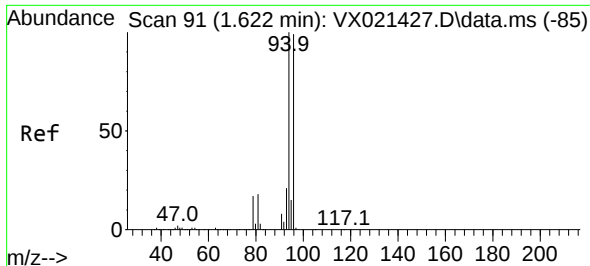
Tgt Ion:168 Resp: 55737
Ion Ratio Lower Upper
168 100
99 59.6 45.8 68.6



#3
Chloromethane
Concen: 2.37 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

Tgt Ion: 50 Resp: 1644
Ion Ratio Lower Upper
50 100
52 26.6 26.4 39.6

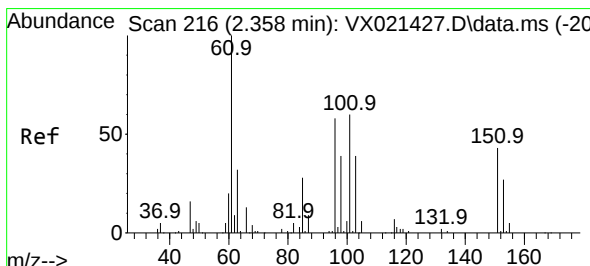
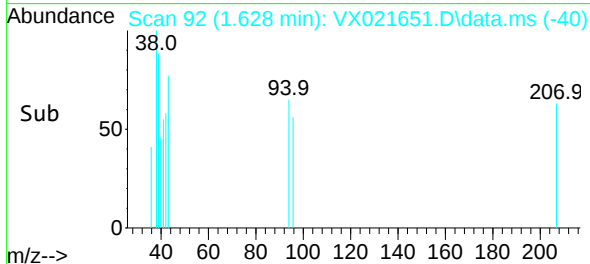
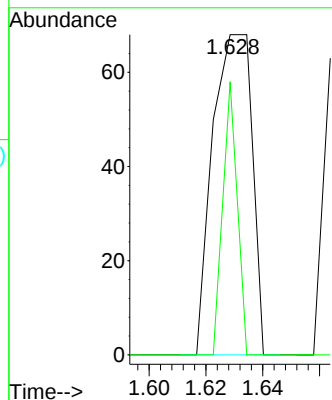
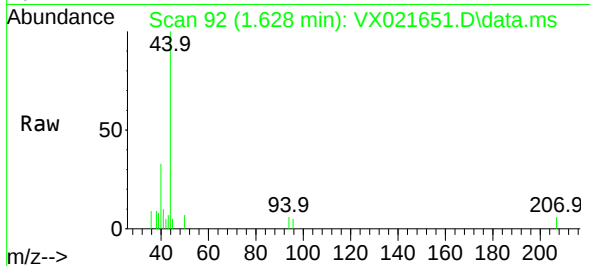




#5
Bromomethane
Concen: 0.26 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

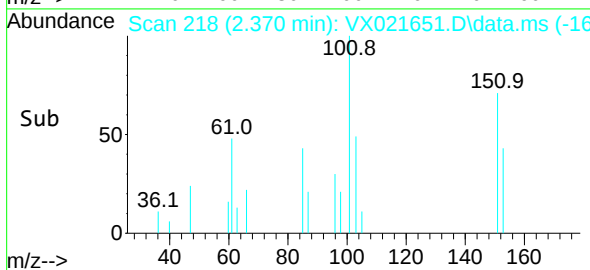
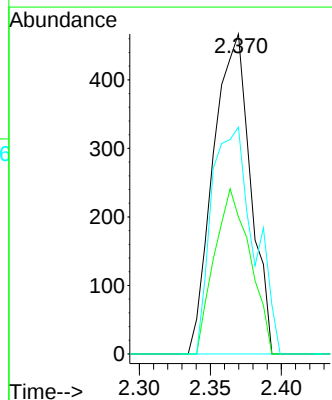
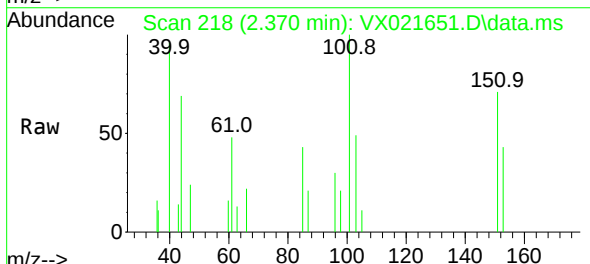
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20210324DL

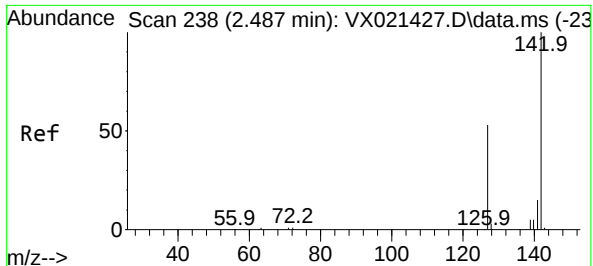
Tgt Ion: 94 Resp: 66
Ion Ratio Lower Upper
94 100
96 85.3 76.4 114.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.48 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.012 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

Tgt Ion: 101 Resp: 851
Ion Ratio Lower Upper
101 100
85 49.5 34.9 52.3
151 79.9 61.4 92.2





#10

Methyl Iodide

Concen: 6.82 ug/l

RT: 2.493 min Scan# 239

Delta R.T. 0.006 min

Lab File: VX021651.D

Acq: 31 Mar 2021 00:17

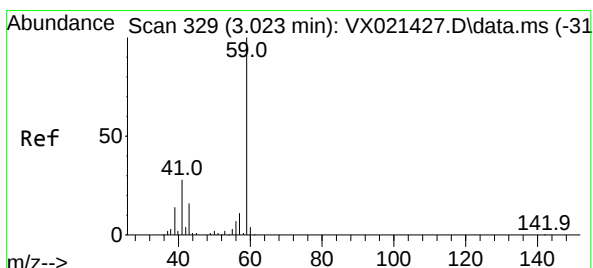
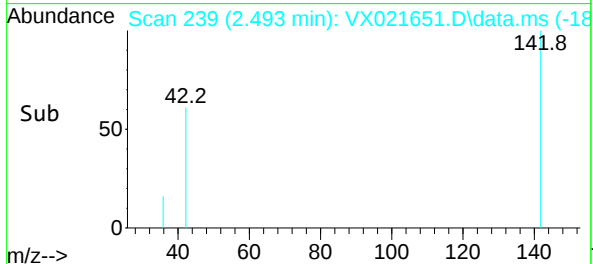
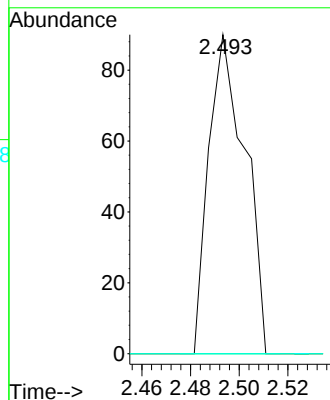
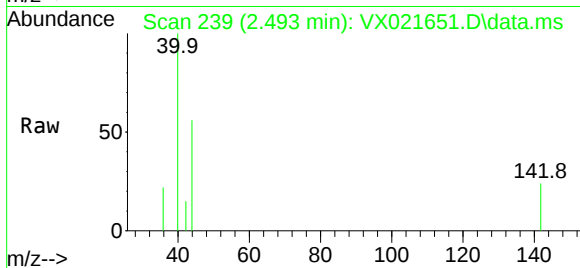
Instrument :

MSVOA_X

ClientSampleId :

DUP07-20210324DL

Tgt Ion:	142	Resp:	93
Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.3	49.9#
141	0.0	11.4	17.0#



#11

Tert butyl alcohol

Concen: 1.29 ug/l

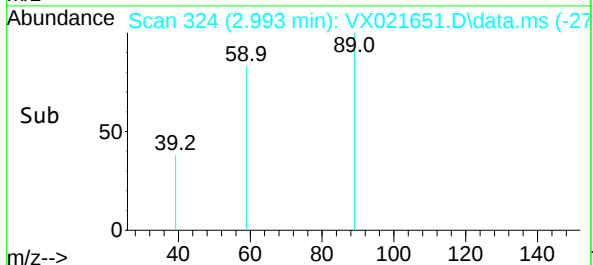
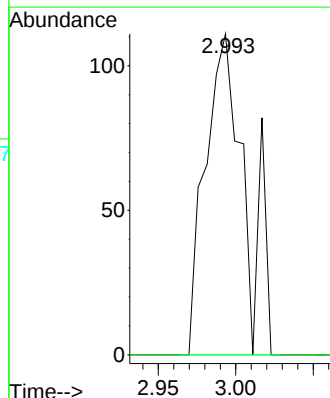
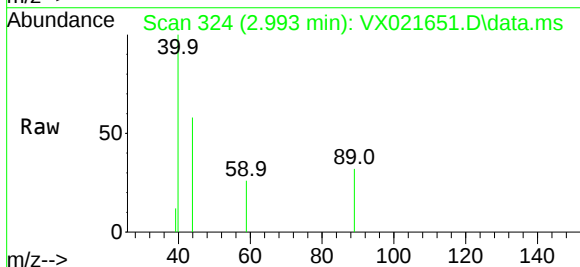
RT: 2.993 min Scan# 324

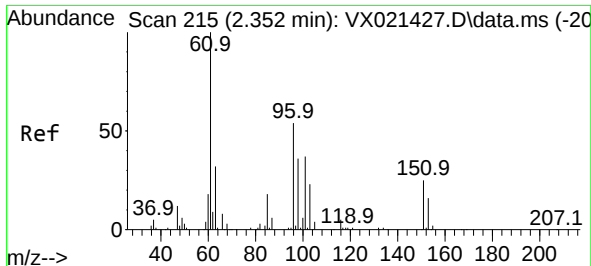
Delta R.T. -0.030 min

Lab File: VX021651.D

Acq: 31 Mar 2021 00:17

Tgt Ion:	59	Resp:	198
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#





#12

1,1-Dichloroethene

Concen: 0.82 ug/l

RT: 2.352 min Scan# 215

Delta R.T. 0.000 min

Lab File: VX021651.D

Acq: 31 Mar 2021 00:17

Tgt Ion: 96 Resp: 462

Ion Ratio Lower Upper

96 100

61 142.9 124.6 187.0

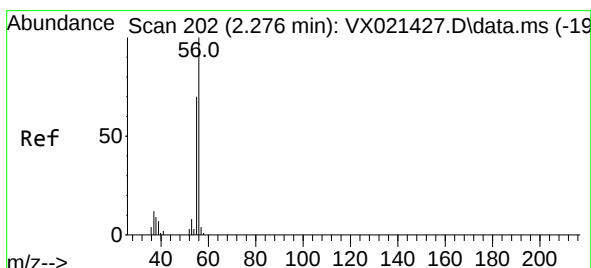
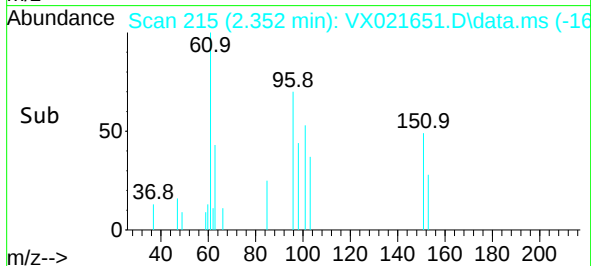
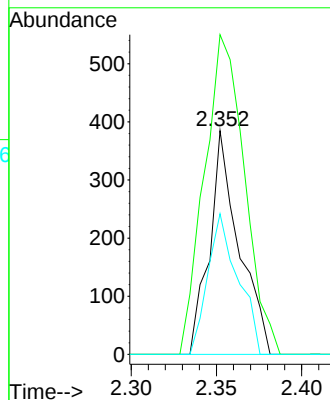
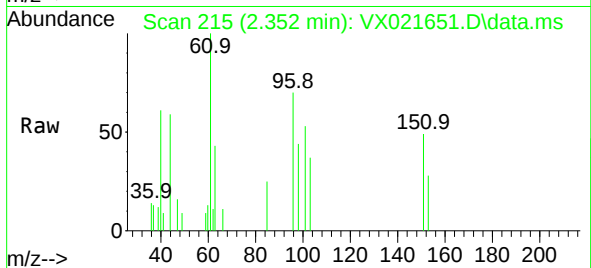
98 62.9 50.6 76.0

Instrument :

MSVOA_X

ClientSampleId :

DUP07-20210324DL



#13

Acrolein

Concen: 4.81 ug/l

RT: 2.281 min Scan# 203

Delta R.T. 0.005 min

Lab File: VX021651.D

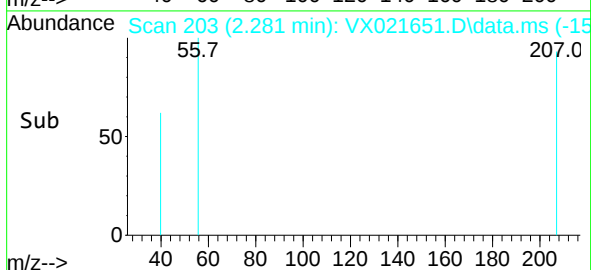
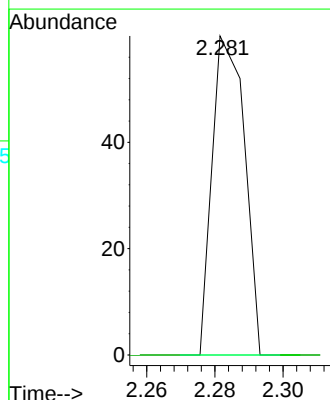
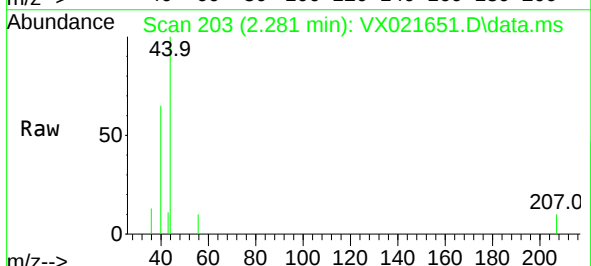
Acq: 31 Mar 2021 00:17

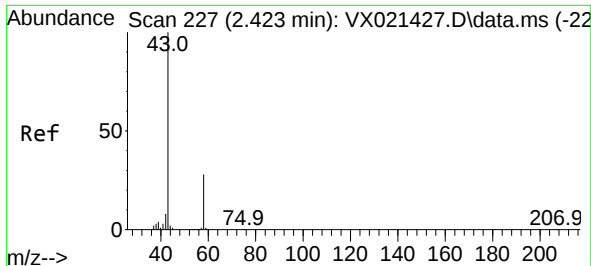
Tgt Ion: 56 Resp: 40

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#

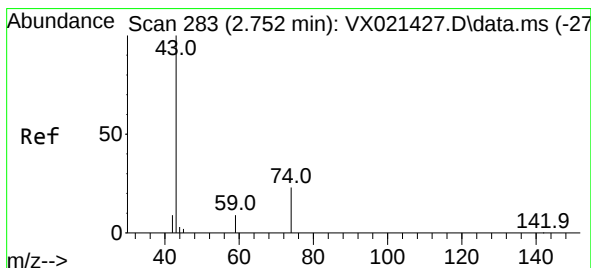
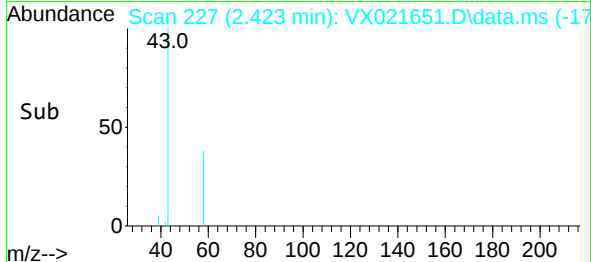
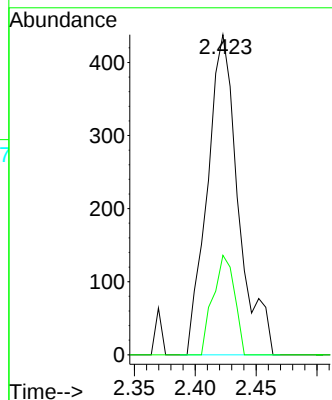
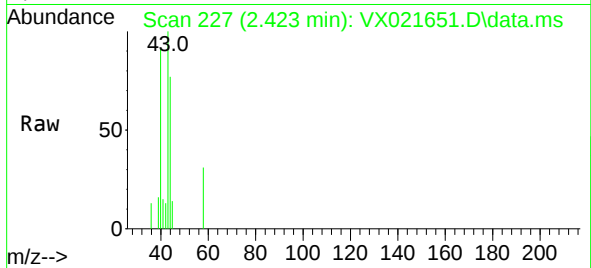




#16
Acetone
Concen: 2.21 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

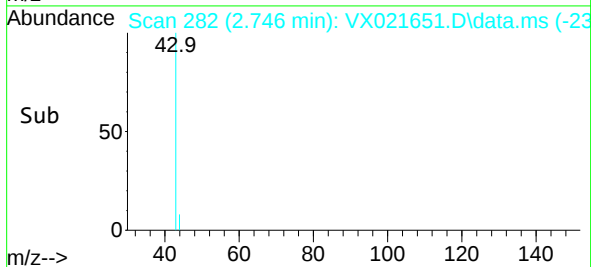
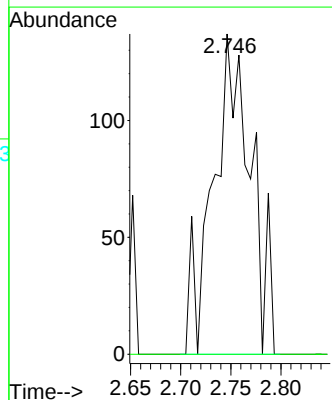
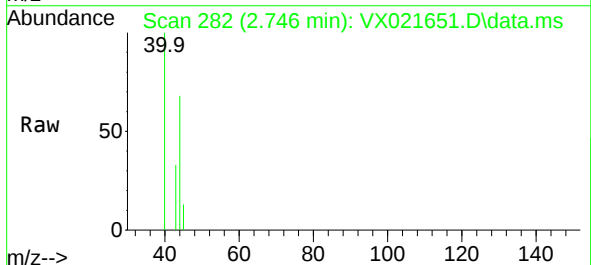
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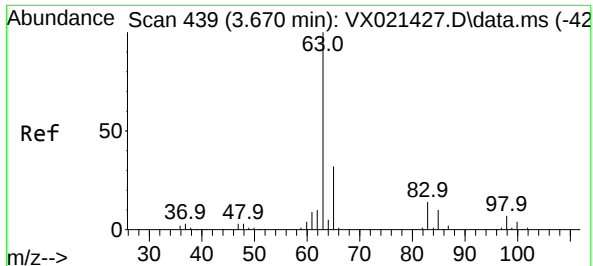
Tgt Ion: 43 Resp: 776
Ion Ratio Lower Upper
43 100
58 31.1 27.8 41.8



#18
Methyl Acetate
Concen: 0.36 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

Tgt Ion: 43 Resp: 361
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

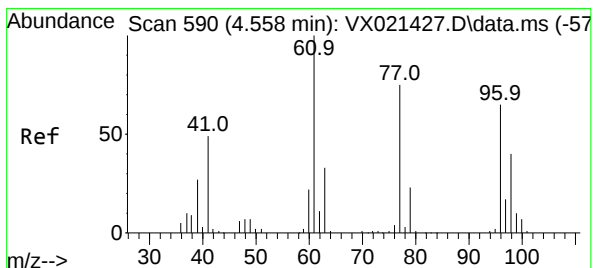
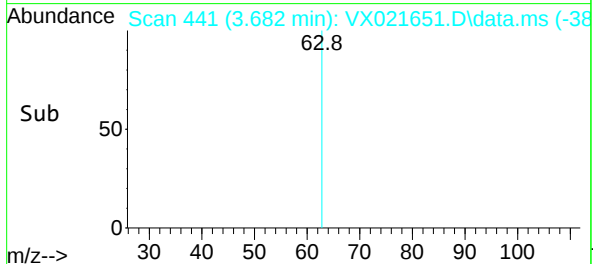
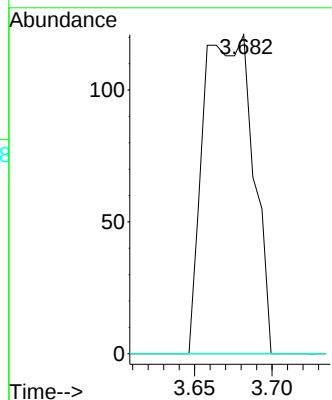
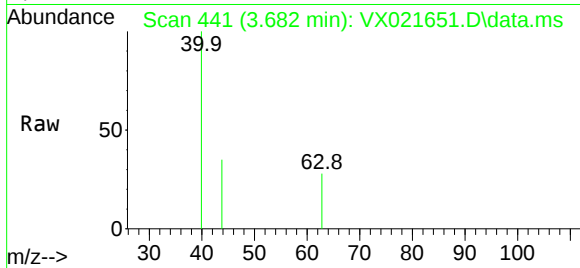




#24
1,1-Dichloroethane
Concen: 0.22 ug/l
RT: 3.682 min Scan# 441
Delta R.T. 0.012 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

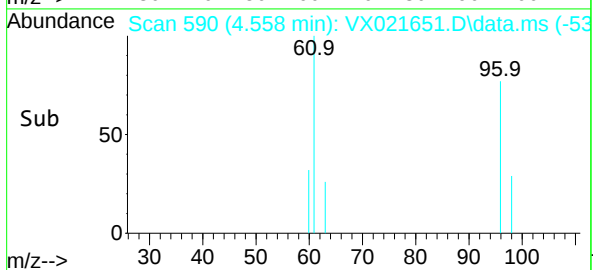
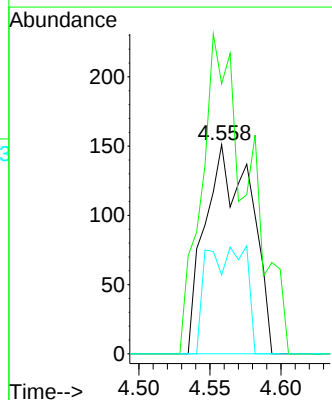
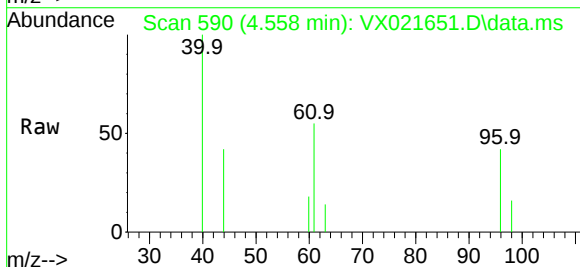
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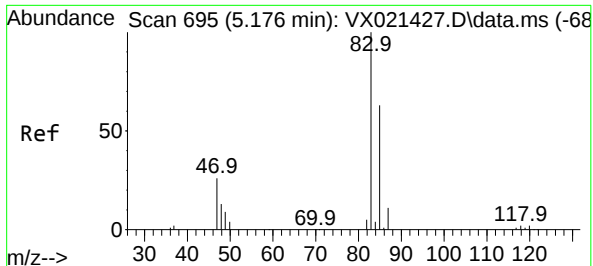
Tgt Ion: 63 Resp: 267
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 0.48 ug/l
RT: 4.558 min Scan# 590
Delta R.T. 0.000 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

Tgt Ion: 96 Resp: 341
Ion Ratio Lower Upper
96 100
61 155.7 0.0 285.6
98 21.4 0.0 129.6





#30

Chloroform

Concen: 0.27 ug/l

RT: 5.164 min Scan# 693

Delta R.T. -0.012 min

Lab File: VX021651.D

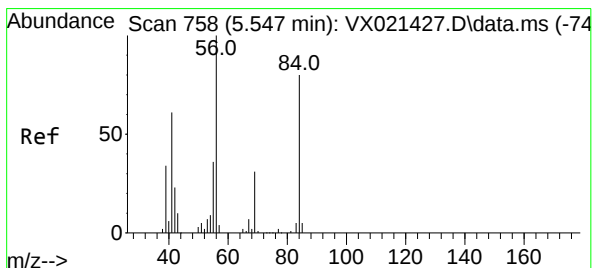
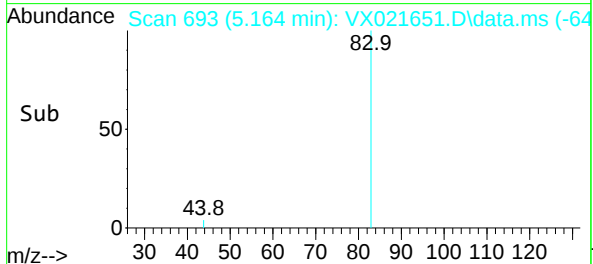
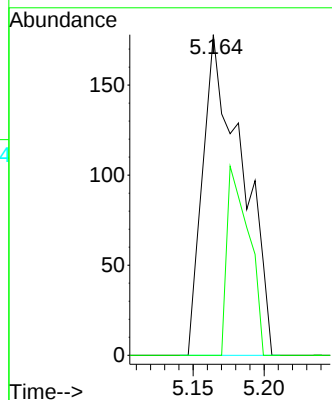
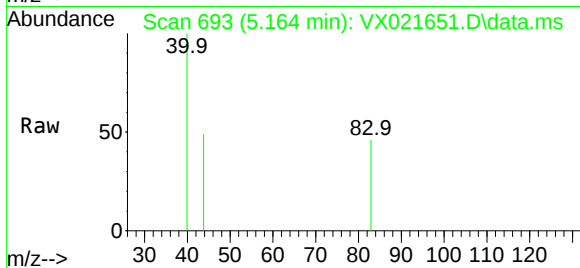
Acq: 31 Mar 2021 00:17

Tgt Ion: 83 Resp: 343

Ion Ratio Lower Upper

83 100

85 0.0 52.0 78.0#



#31

Cyclohexane

Concen: 1.51 ug/l

RT: 5.623 min Scan# 771

Delta R.T. 0.076 min

Lab File: VX021651.D

Acq: 31 Mar 2021 00:17

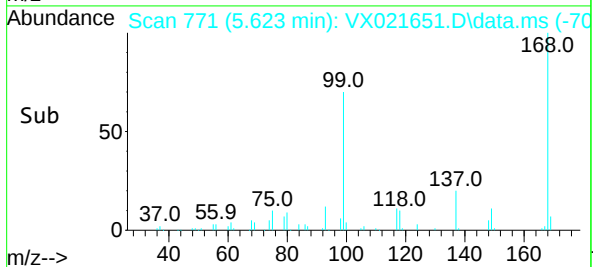
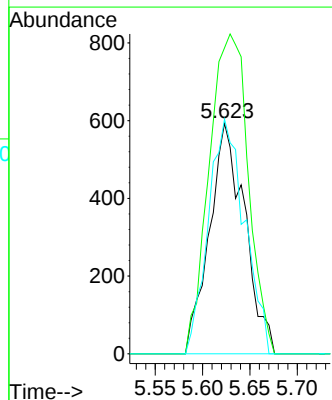
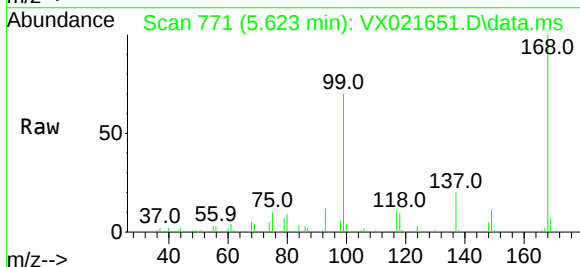
Tgt Ion: 56 Resp: 1535

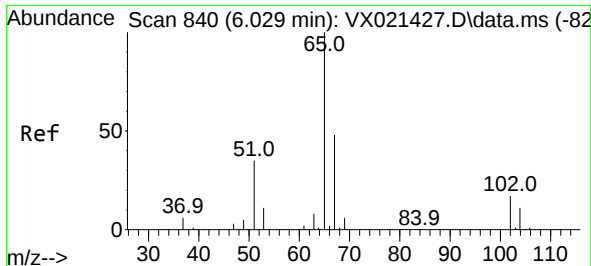
Ion Ratio Lower Upper

56 100

69 132.7 25.3 37.9#

84 101.9 71.4 107.0

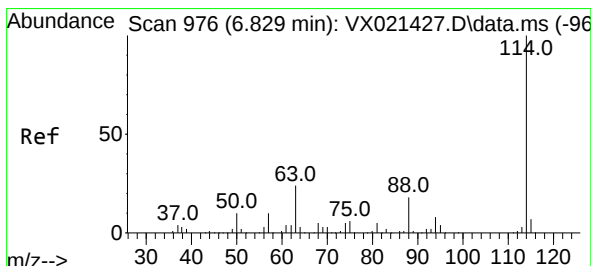
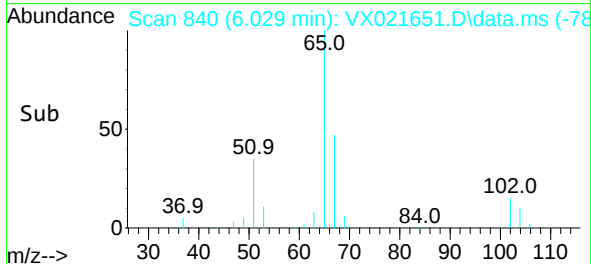
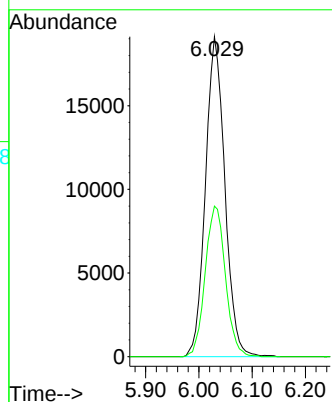
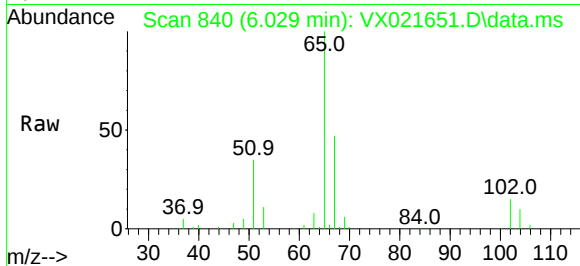




#33
 1,2-Dichloroethane-d4
 Concen: 52.12 ug/l
 RT: 6.029 min Scan# 840
 Delta R.T. 0.000 min
 Lab File: VX021651.D
 Acq: 31 Mar 2021 00:17

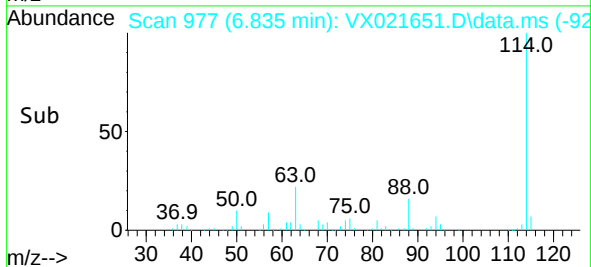
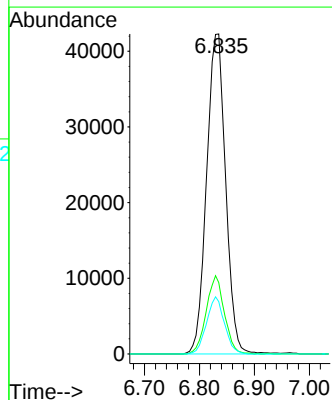
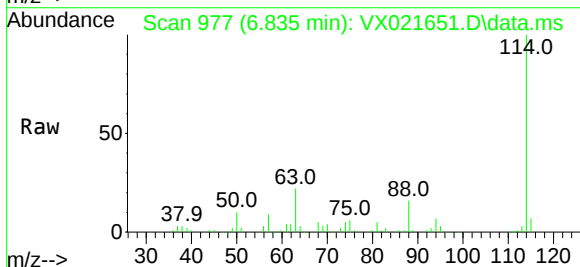
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP07-20210324DL

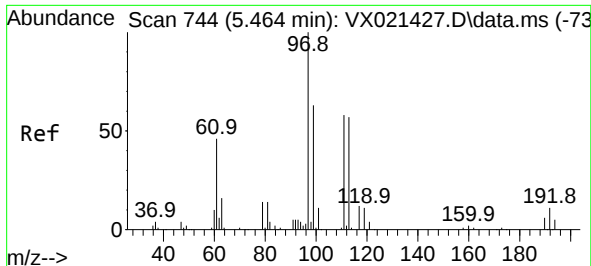
Tgt Ion: 65 Resp: 48338
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.835 min Scan# 977
 Delta R.T. 0.006 min
 Lab File: VX021651.D
 Acq: 31 Mar 2021 00:17

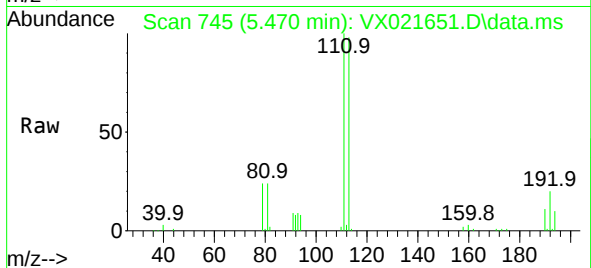
Tgt Ion: 114 Resp: 101776
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 40.8
 88 16.3 0.0 32.8



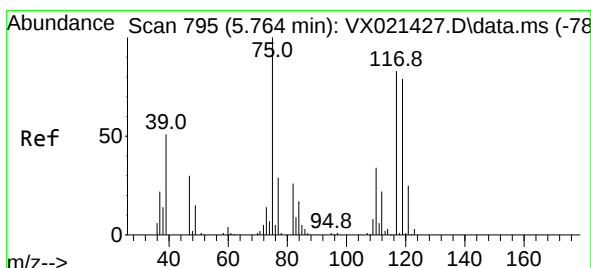
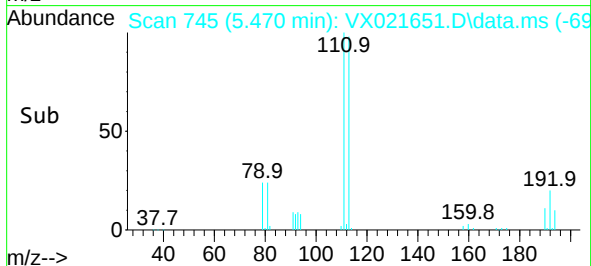
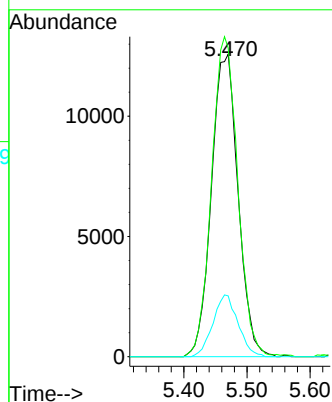


#35
Dibromofluoromethane
Concen: 51.04 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

Instrument :
MSVOA_X
ClientSampleId :
DUP07-20210324DL

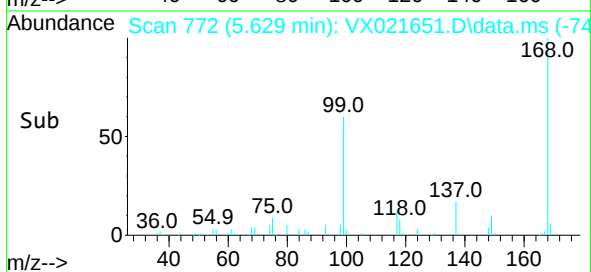
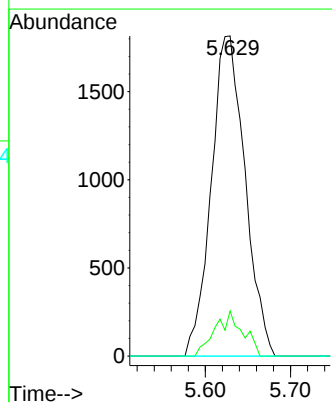
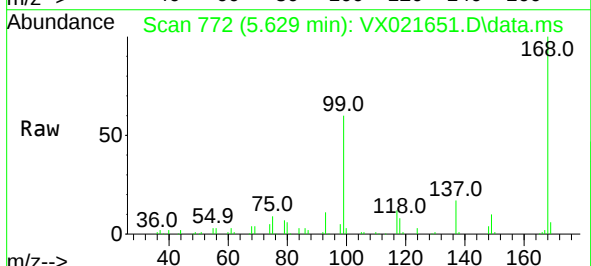


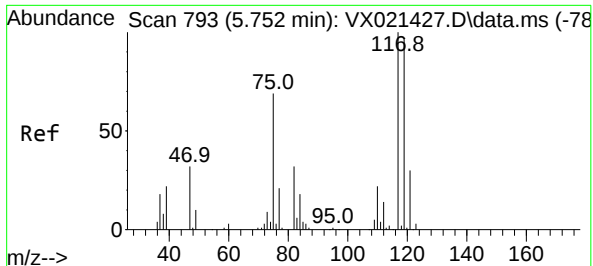
Tgt Ion:113 Resp: 36898
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 19.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.02 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

Tgt Ion: 75 Resp: 5005
Ion Ratio Lower Upper
75 100
110 11.5 18.1 54.4#
77 0.0 25.3 37.9#

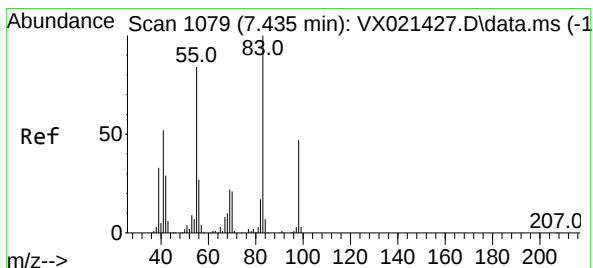
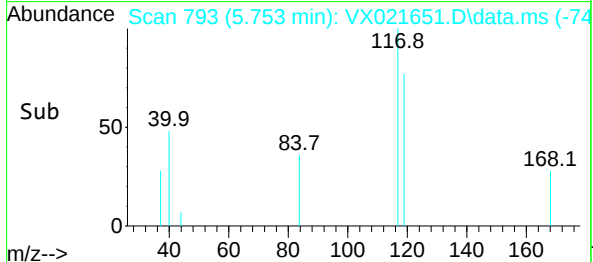
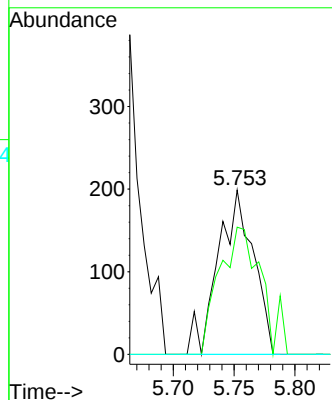
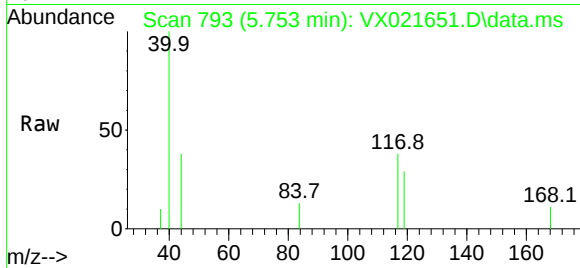




#38
Carbon Tetrachloride
Concen: 0.38 ug/l
RT: 5.753 min Scan# 793
Delta R.T. 0.001 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

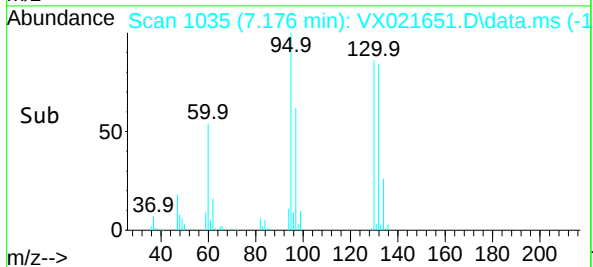
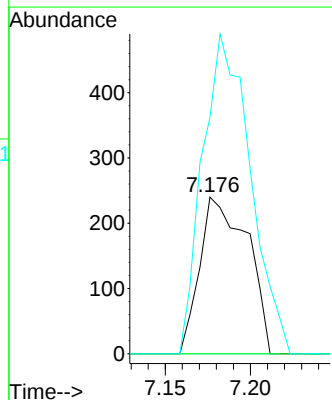
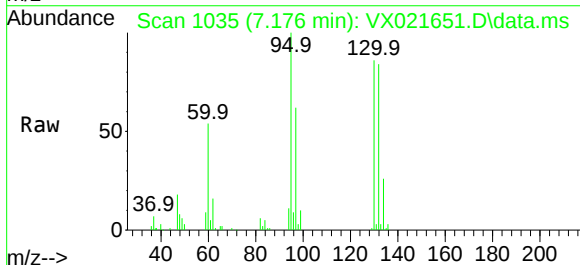
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20210324DL

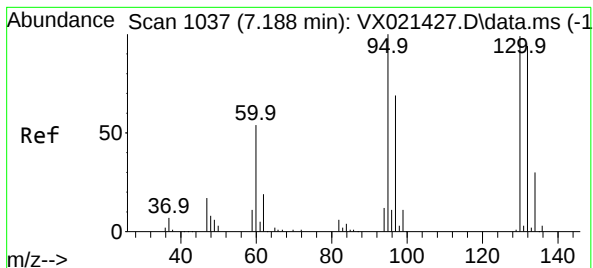
Tgt Ion:117 Resp: 402
Ion Ratio Lower Upper
117 100
119 77.4 76.2 114.2
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.42 ug/l
RT: 7.176 min Scan# 1035
Delta R.T. -0.259 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

Tgt Ion: 83 Resp: 467
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 150.8 38.1 57.1#





#44

Trichloroethene

Concen: 44.90 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.000 min

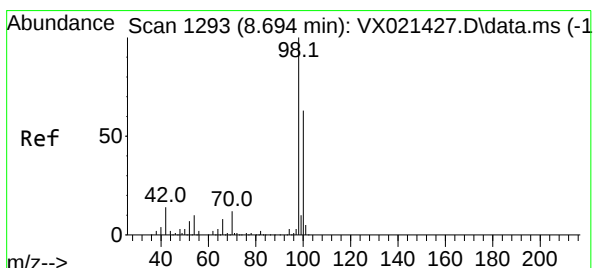
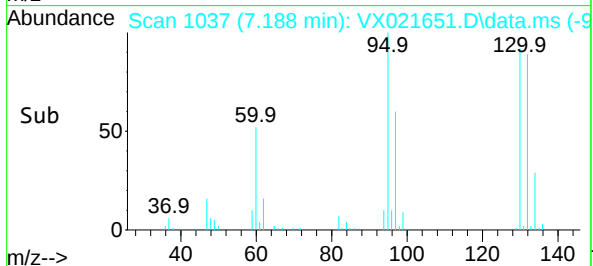
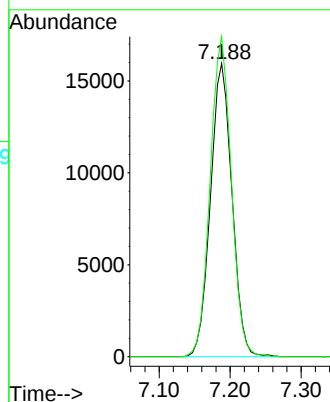
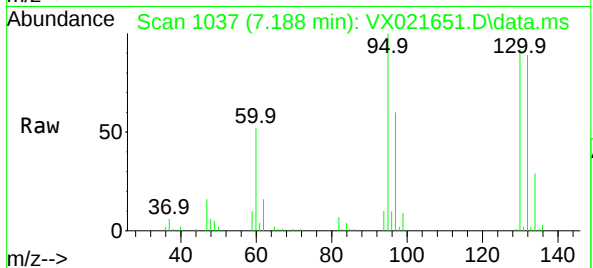
Lab File: VX021651.D

Acq: 31 Mar 2021 00:17

Tgt Ion:130 Resp: 33553

Ion Ratio Lower Upper

130	100		
95	109.2	0.0	198.0



#50

Toluene-d8

Concen: 48.83 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

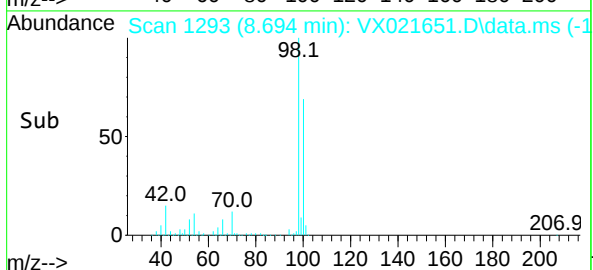
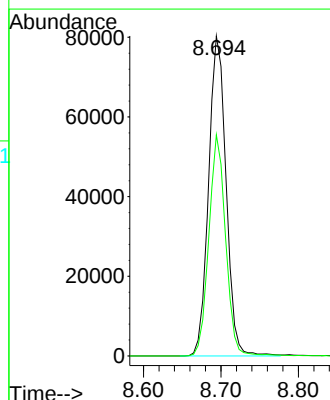
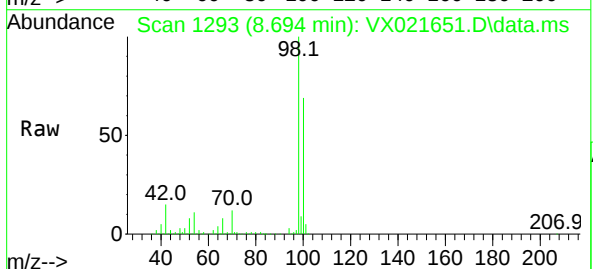
Lab File: VX021651.D

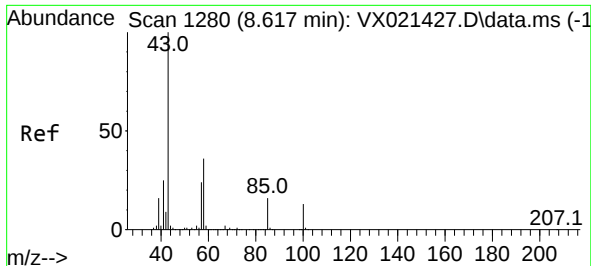
Acq: 31 Mar 2021 00:17

Tgt Ion: 98 Resp: 125803

Ion Ratio Lower Upper

98	100		
100	66.7	51.9	77.9

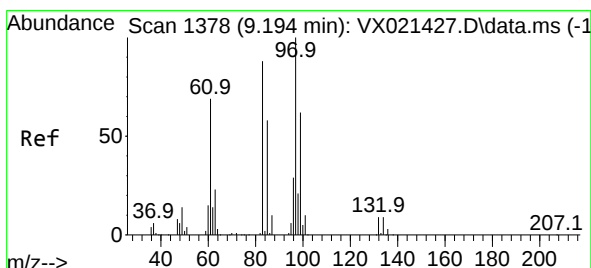
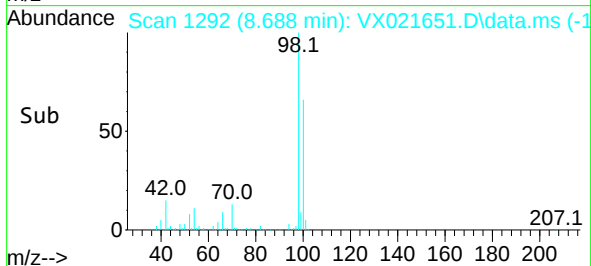
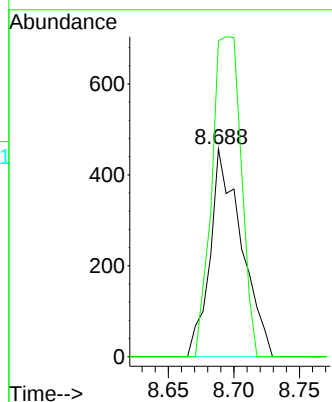
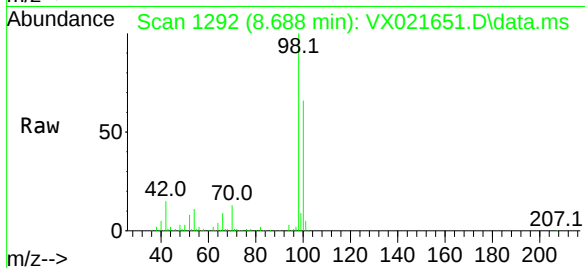




#51
4-Methyl-2-Pentanone
Concen: 0.66 ug/l
RT: 8.688 min Scan# 1292
Delta R.T. 0.071 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

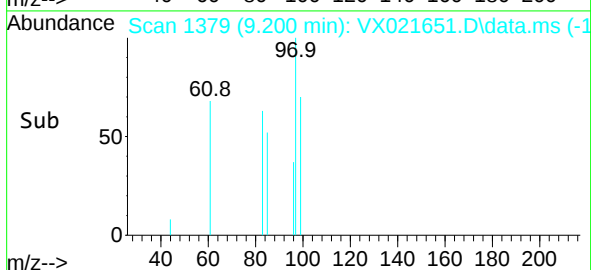
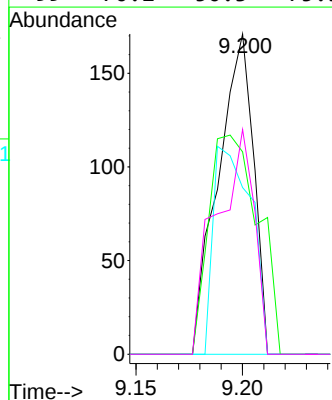
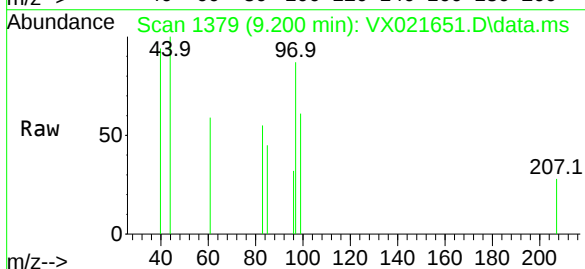
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20210324DL

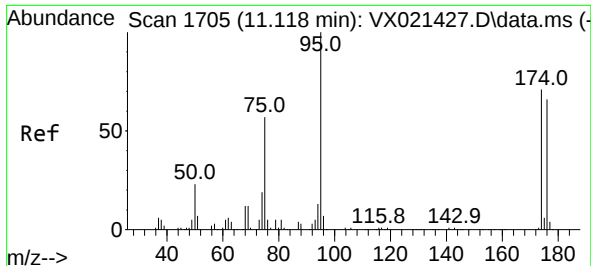
Tgt Ion: 43 Resp: 764
Ion Ratio Lower Upper
43 100
58 143.8 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.27 ug/l
RT: 9.200 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

Tgt Ion: 97 Resp: 198
Ion Ratio Lower Upper
97 100
83 63.2 69.3 103.9#
85 52.0 44.3 66.5
99 70.2 50.3 75.5

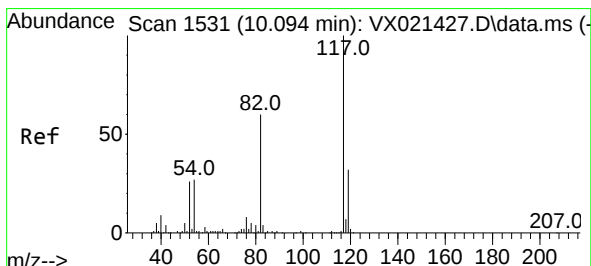
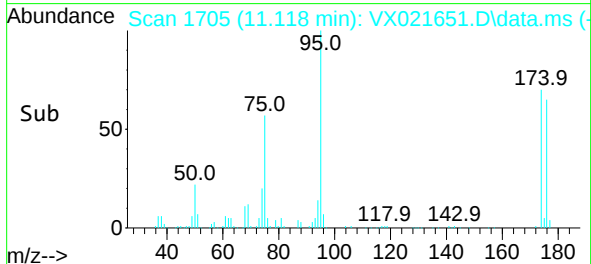
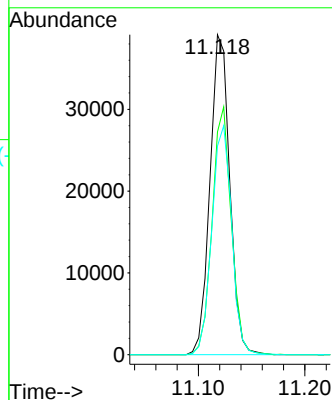
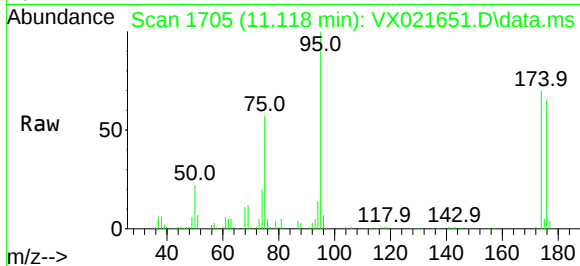




#62
4-Bromofluorobenzene
Concen: 50.25 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

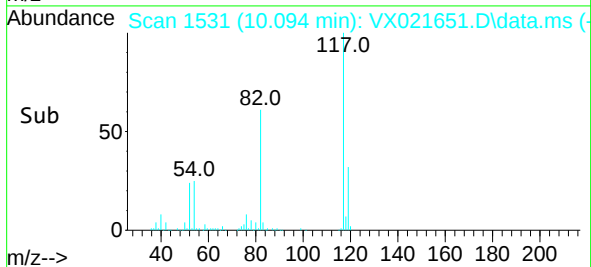
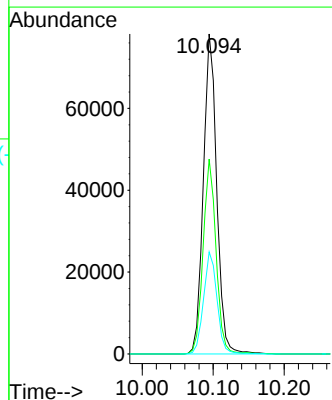
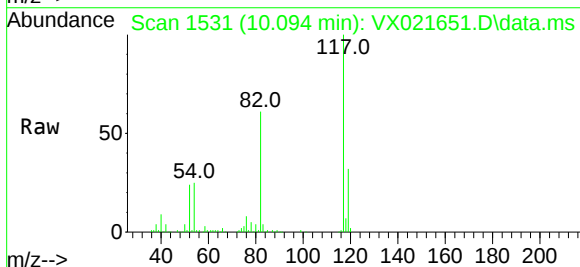
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20210324DL

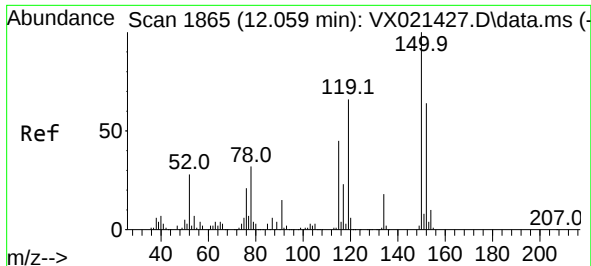
Tgt Ion: 95 Resp: 50328
Ion Ratio Lower Upper
95 100
174 75.0 0.0 154.6
176 71.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

Tgt Ion: 117 Resp: 102716
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 31.9 26.6 39.8

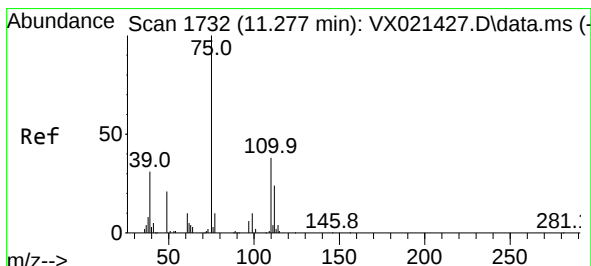
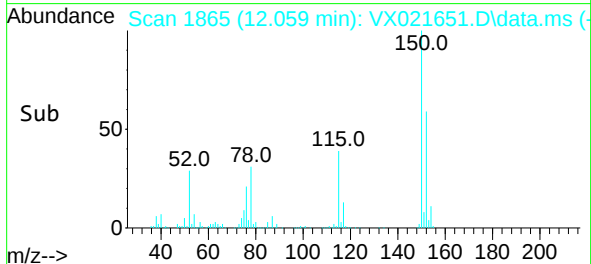
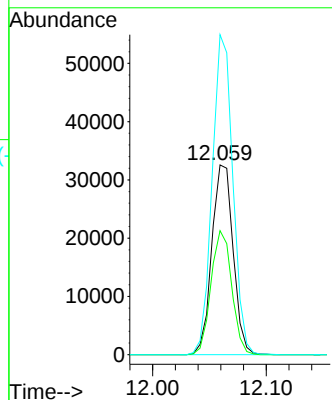
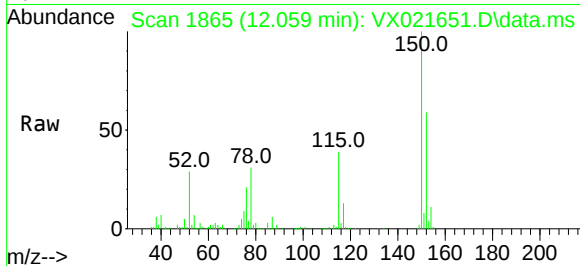




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

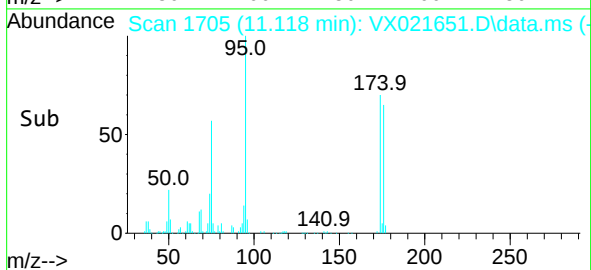
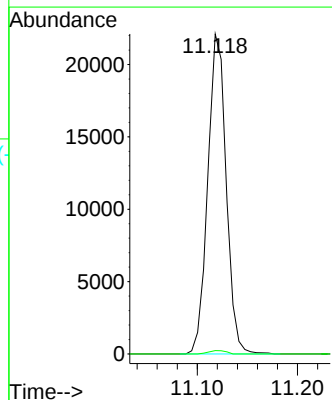
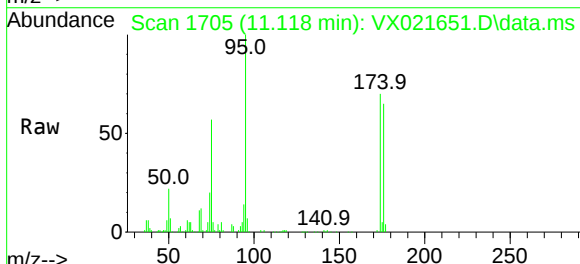
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20210324DL

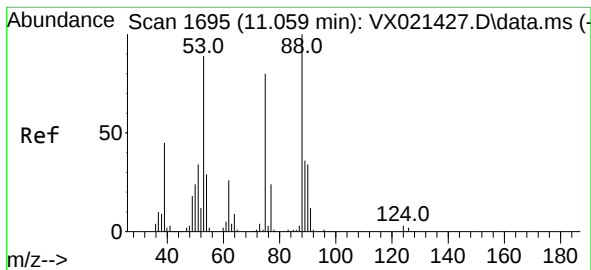
Tgt Ion:152 Resp: 42485
Ion Ratio Lower Upper
152 100
115 63.4 41.1 123.3
150 163.2 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 28.54 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021651.D
Acq: 31 Mar 2021 00:17

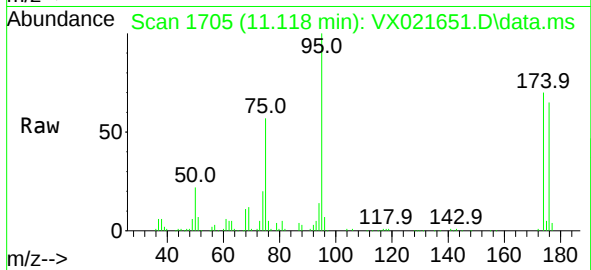
Tgt Ion: 75 Resp: 28227
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.93 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021651.D
 Acq: 31 Mar 2021 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP07-20210324DL



Tgt Ion: 75 Resp: 28227
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

