

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021596.D
 Acq On : 29 Mar 2021 23:30
 Operator : JC/MD
 Sample : M1843-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 30 05:21:22 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)

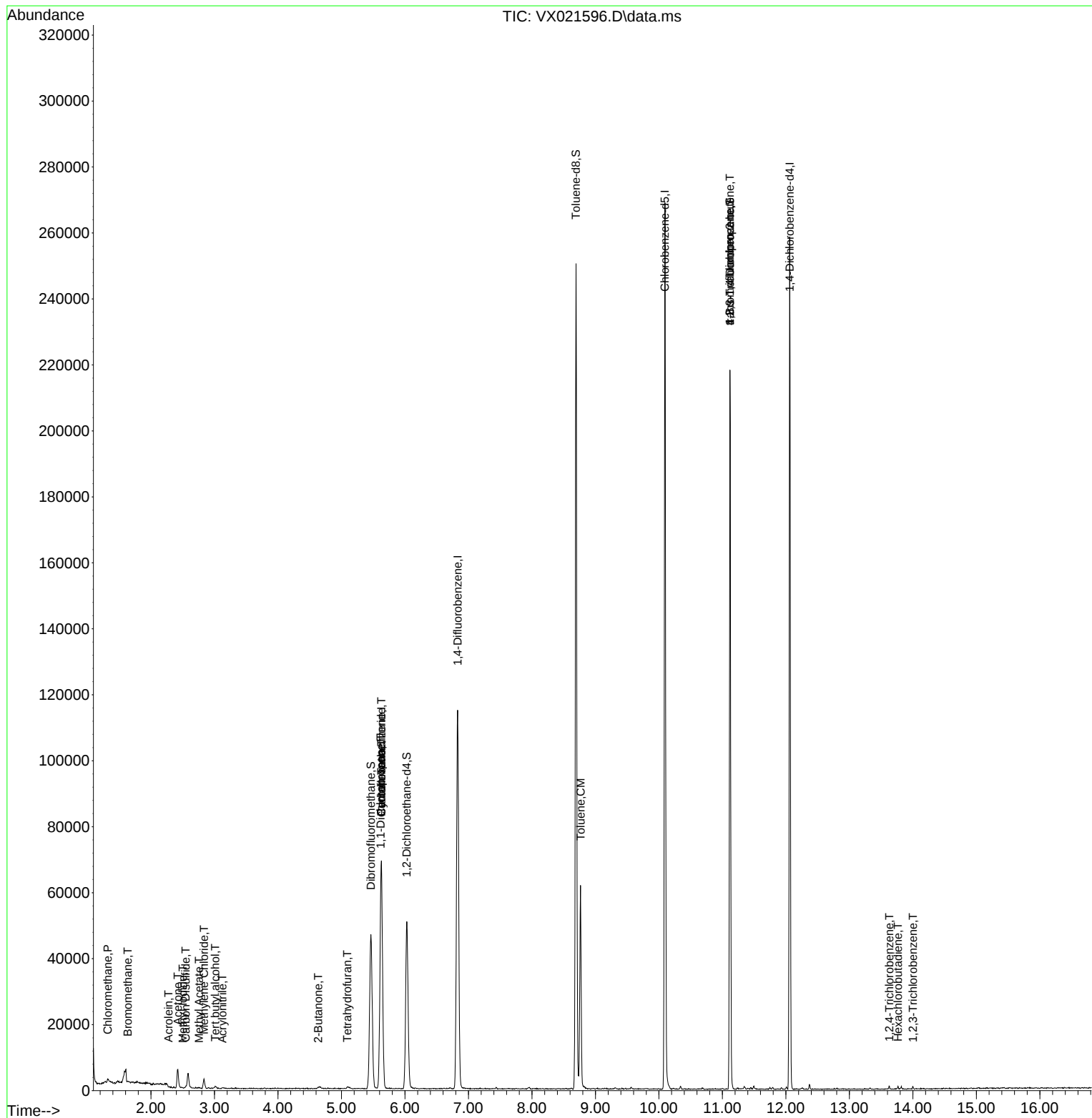
Internal Standards						
1) Pentafluorobenzene	5.629	168	60035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	107497	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	108994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	48184	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	50539	50.59	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.18%
35) Dibromofluoromethane	5.464	113	38515	50.44	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.88%
50) Toluene-d8	8.694	98	138603	50.94	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.88%
62) 4-Bromofluorobenzene	11.118	95	54707	51.71	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.42%
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1370	1.85	ug/l	96
5) Bromomethane	1.634	94	139	0.51	ug/l	95
10) Methyl Iodide	2.499	142	100	6.82	ug/l #	42
11) Tert butyl alcohol	3.011	59	666	4.03	ug/l #	73
13) Acrolein	2.275	56	19	4.52	ug/l #	14
15) Acrylonitrile	3.123	53	88	0.22	ug/l #	57
16) Acetone	2.423	43	6397	16.94	ug/l #	84
17) Carbon Disulfide	2.546	76	633	0.37	ug/l #	75
18) Methyl Acetate	2.758	43	341	0.31	ug/l #	47
20) Methylene Chloride	2.834	84	1015	1.38	ug/l #	83
25) 2-Butanone	4.635	43	186	0.32	ug/l #	45
29) Tetrahydrofuran	5.093	42	510	1.37	ug/l #	43
31) Cyclohexane	5.629	56	1688	1.54	ug/l #	31
36) 1,1-Dichloropropene	5.617	75	5375	5.10	ug/l #	51
38) Carbon Tetrachloride	5.629	117	6542	5.78	ug/l #	18
52) Toluene	8.765	92	20503	11.10	ug/l	97
76) 1,2,3-Trichloropropane	11.118	75	30939	27.58	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30939	84.01	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.630	180	197	0.20	ug/l	73
94) Hexachlorobutadiene	13.765	225	146	0.34	ug/l	96
96) 1,2,3-Trichlorobenzene	14.001	180	238	0.25	ug/l	95

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

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ClientSampleId :

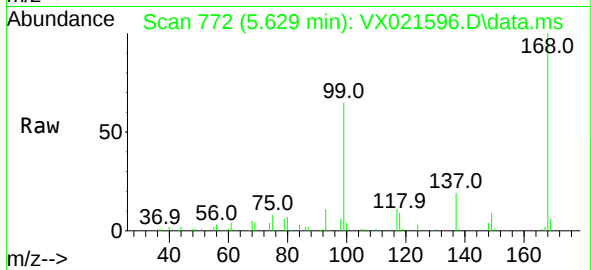
Quant Time: Mar 30 05:21:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 24 12:25:26 2021
Response via : Initial Calibration



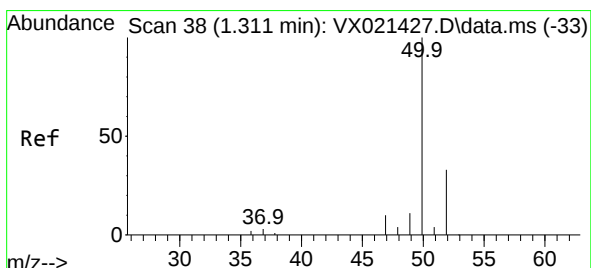
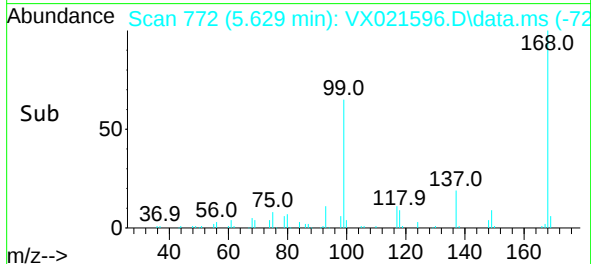
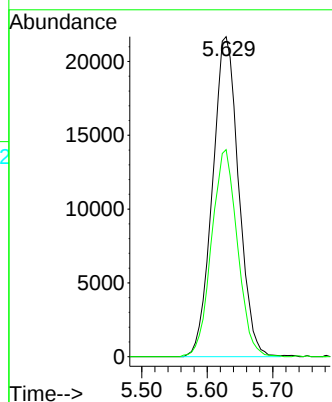


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

Instrument :
MSVOA_X
ClientSampled :

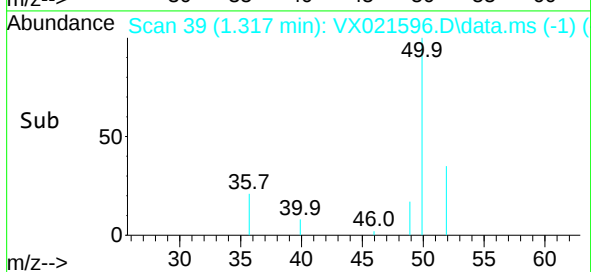
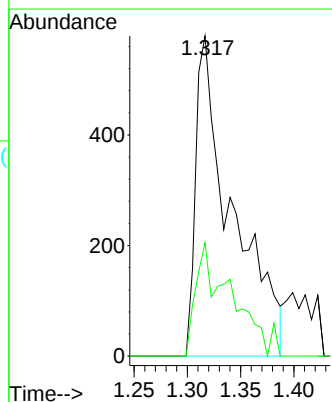
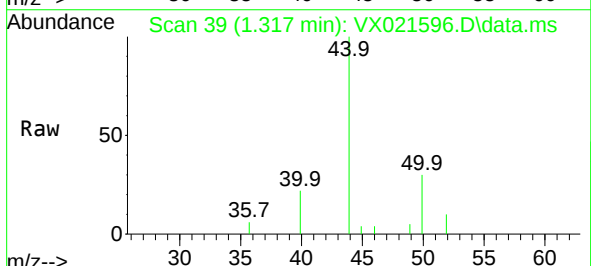


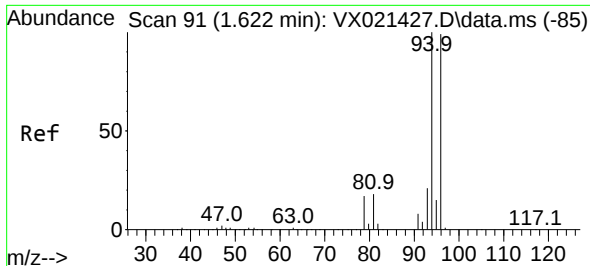
Tgt Ion:168 Resp: 60035
Ion Ratio Lower Upper
168 100
99 64.7 45.8 68.6



#3
Chloromethane
Concen: 1.85 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

Tgt Ion: 50 Resp: 1370
Ion Ratio Lower Upper
50 100
52 35.4 26.4 39.6

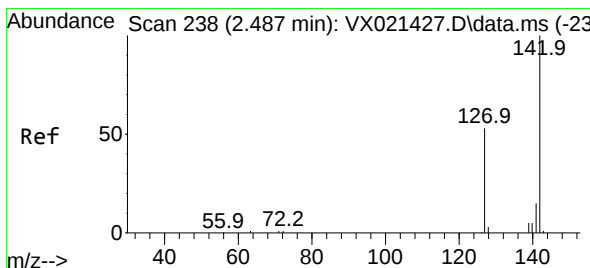
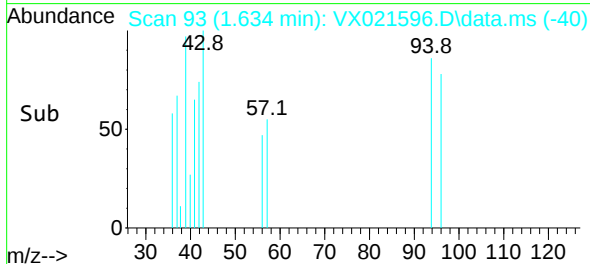
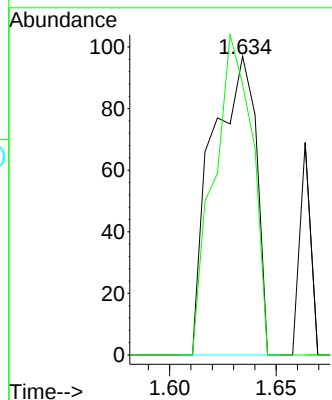
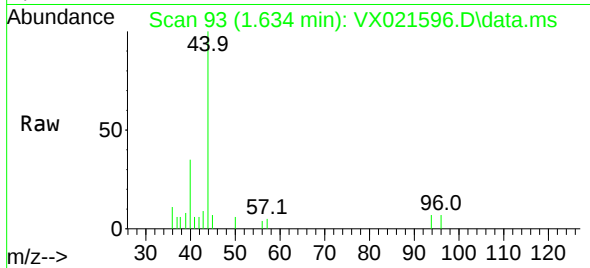




#5
Bromomethane
Concen: 0.51 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

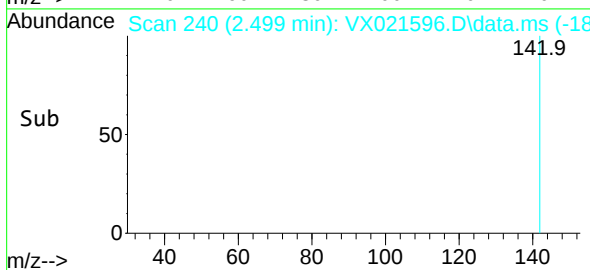
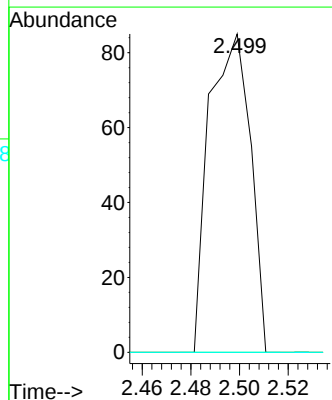
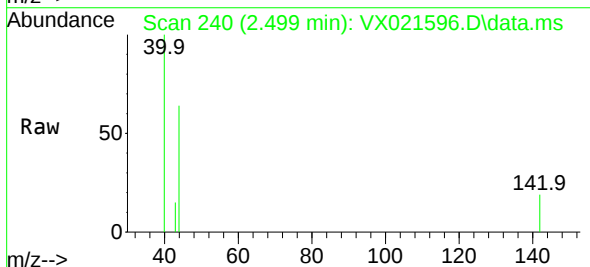
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 94 Resp: 139
Ion Ratio Lower Upper
94 100
96 90.7 76.4 114.6



#10
Methyl Iodide
Concen: 6.82 ug/l
RT: 2.499 min Scan# 240
Delta R.T. 0.012 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

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

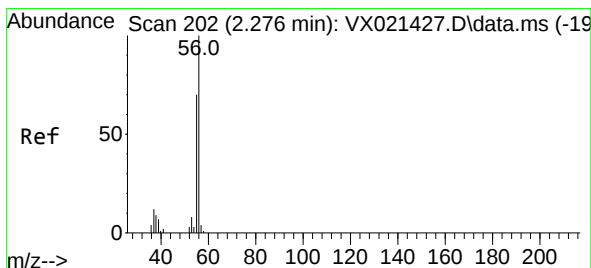
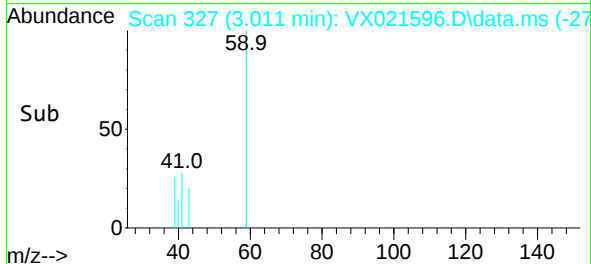
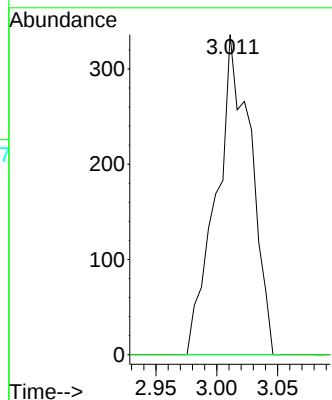
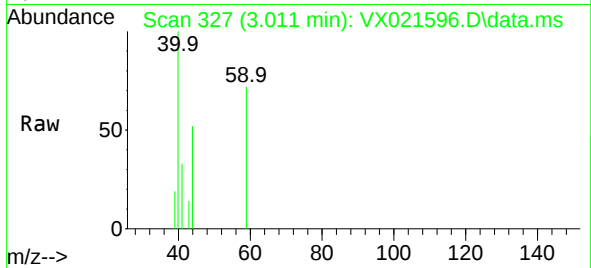




#11
Tert butyl alcohol
Concen: 4.03 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.012 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

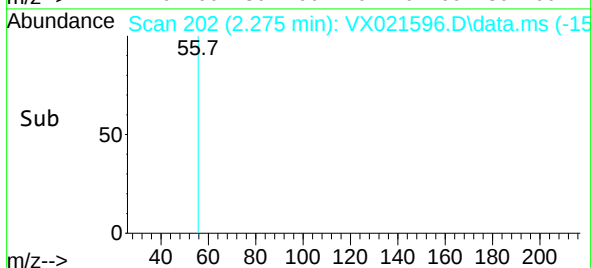
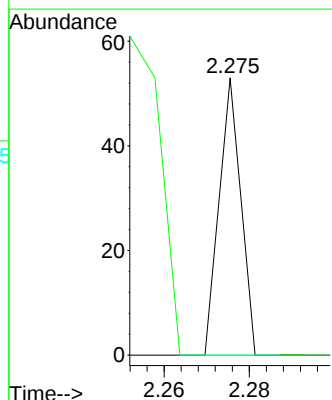
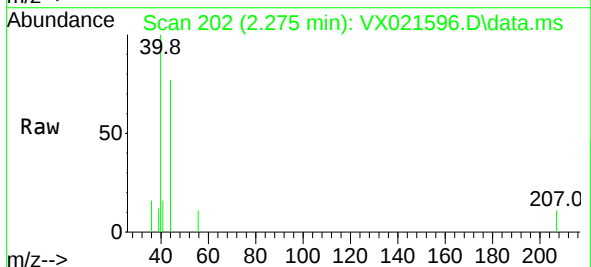
Instrument :
MSVOA_X
ClientSampled :

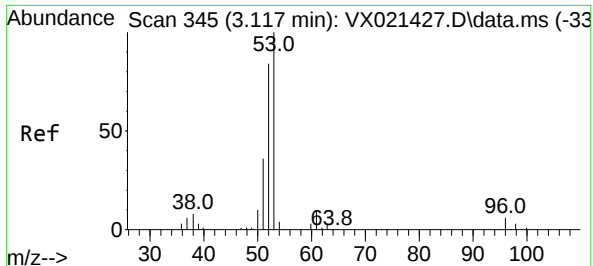
Tgt Ion: 59 Resp: 666
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 4.52 ug/l
RT: 2.275 min Scan# 202
Delta R.T. -0.001 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

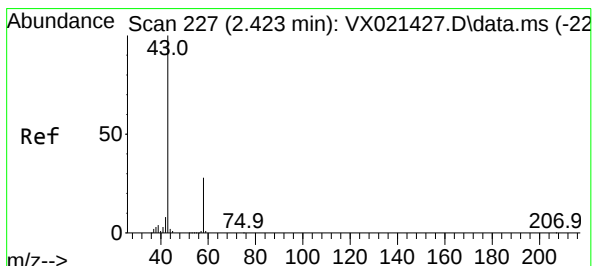
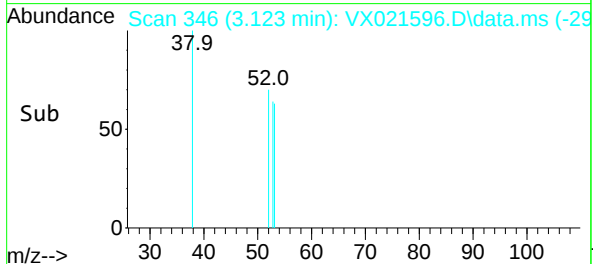
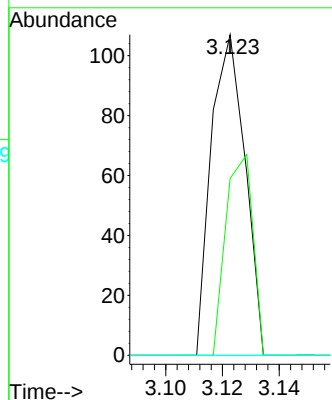
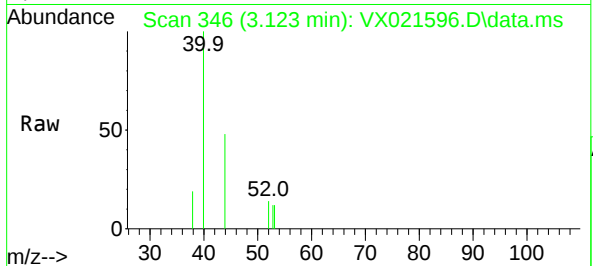




#15
Acrylonitrile
Concen: 0.22 ug/l
RT: 3.123 min Scan# 346
Delta R.T. 0.006 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

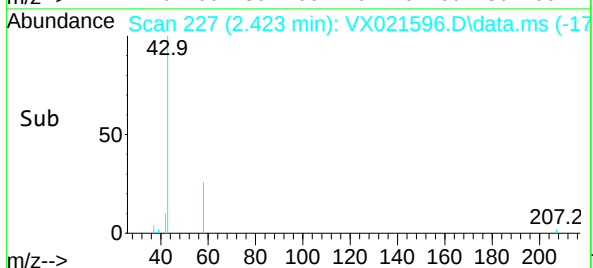
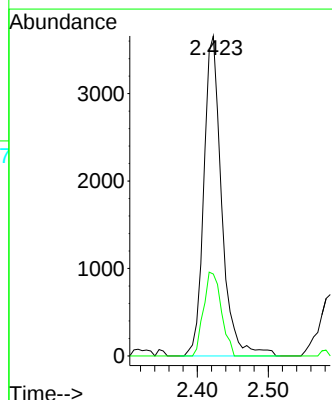
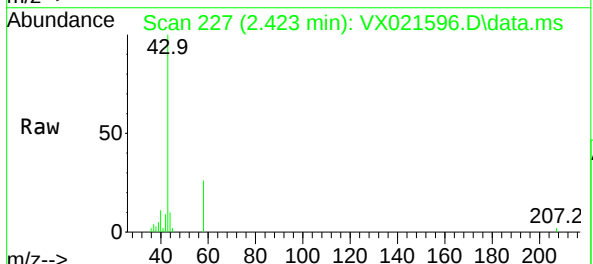
Instrument :
MSVOA_X
ClientSampled :

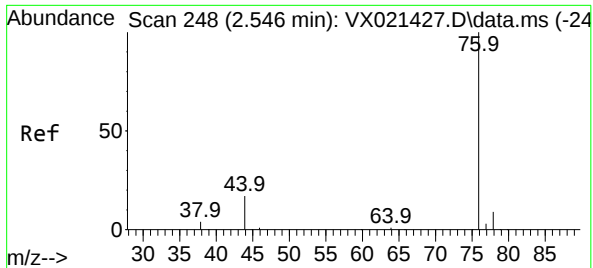
Tgt Ion: 53 Resp: 88
Ion Ratio Lower Upper
53 100
52 50.0 65.3 97.9#
51 0.0 28.2 42.2#



#16
Acetone
Concen: 16.94 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

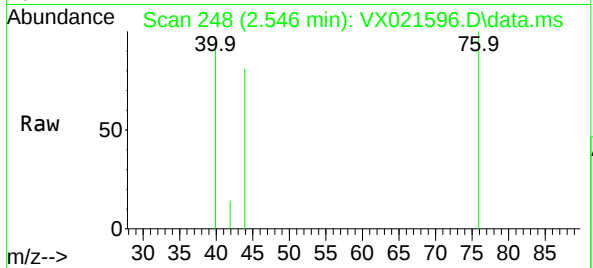
Tgt Ion: 43 Resp: 6397
Ion Ratio Lower Upper
43 100
58 25.6 27.8 41.8#



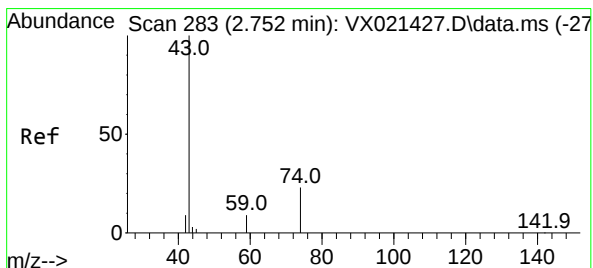
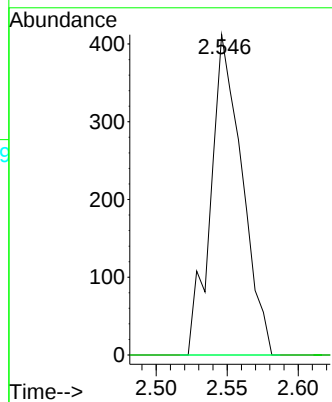
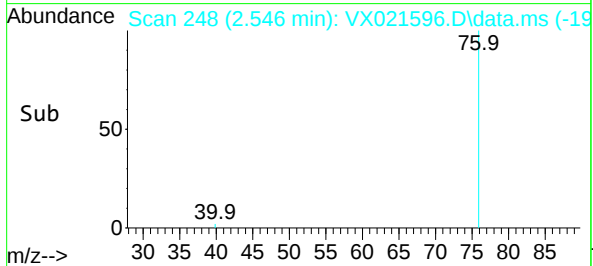


#17
Carbon Disulfide
Concen: 0.37 ug/l
RT: 2.546 min Scan# 248
Delta R.T. 0.000 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

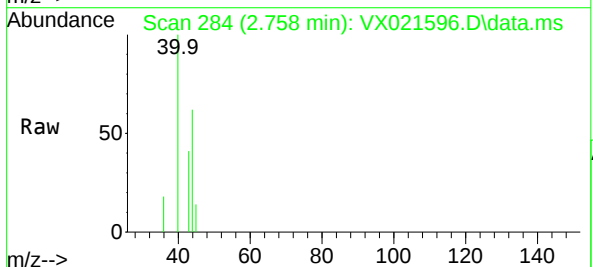
Instrument :
MSVOA_X
ClientSampled :



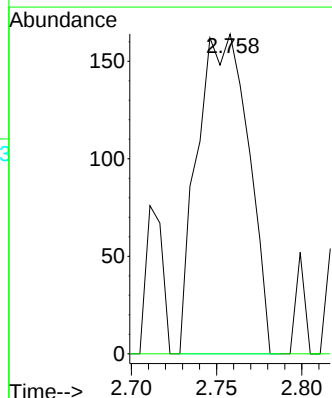
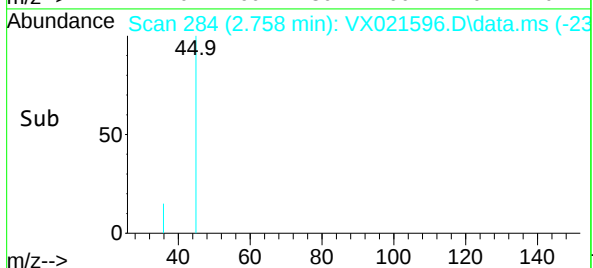
Tgt Ion: 76 Resp: 633
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

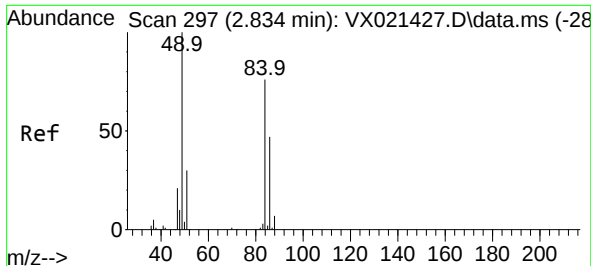


#18
Methyl Acetate
Concen: 0.31 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30



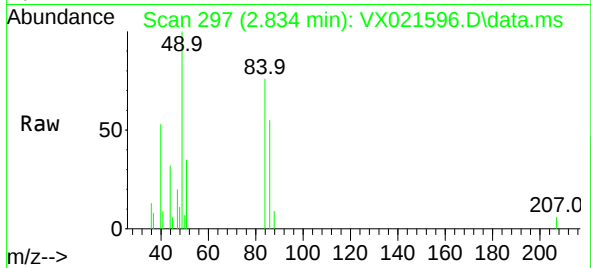
Tgt Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



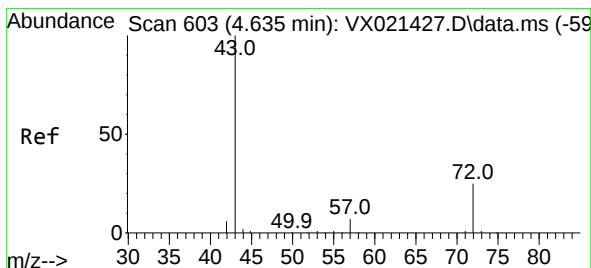
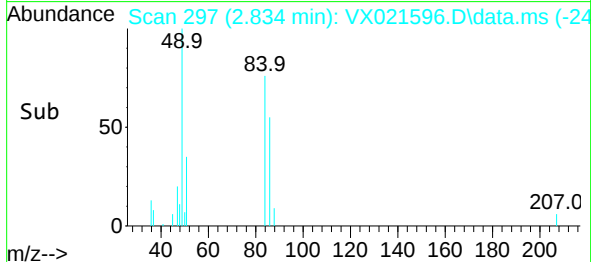
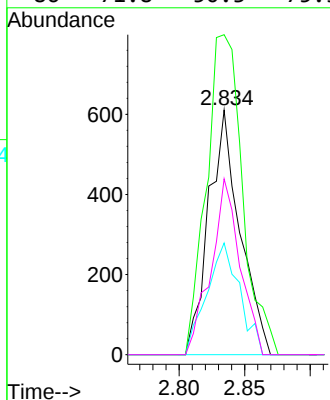


#20
Methylene Chloride
Concen: 1.38 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

Instrument :
MSVOA_X
ClientSampleId :

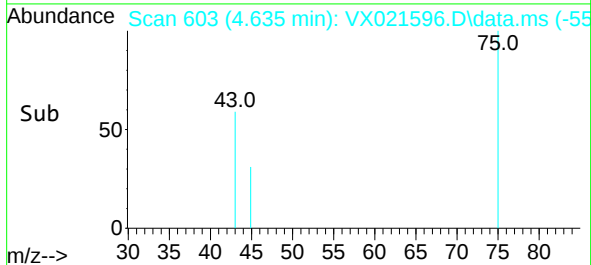
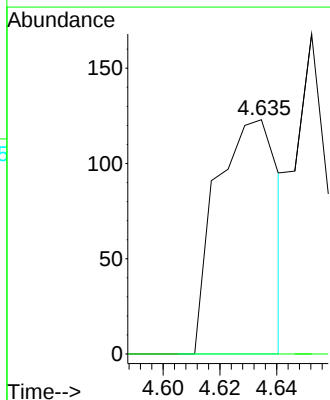
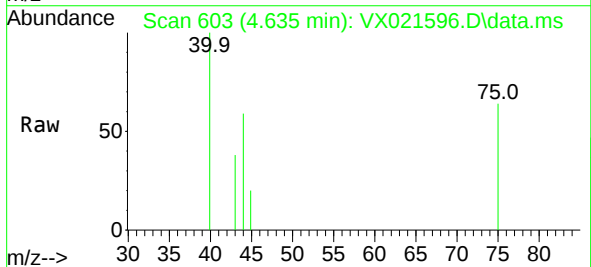


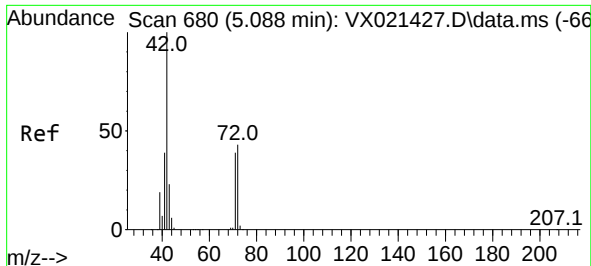
Tgt Ion: 84 Resp: 1015
Ion Ratio Lower Upper
84 100
49 130.8 88.6 132.8
51 45.7 27.0 40.6#
86 71.8 50.3 75.5



#25
2-Butanone
Concen: 0.32 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.000 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 1.37 ug/l

RT: 5.093 min Scan# 681

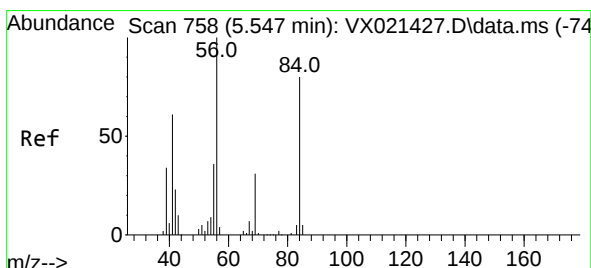
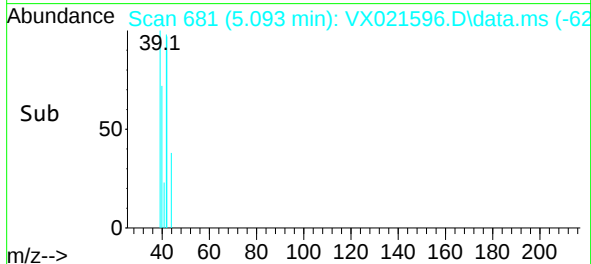
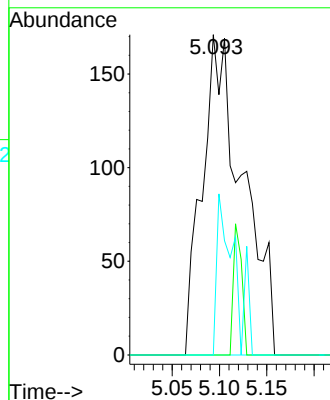
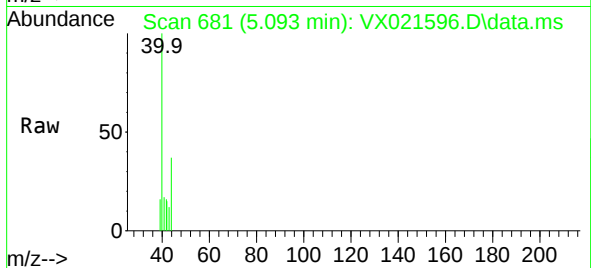
Delta R.T. 0.005 min

Lab File: VX021596.D

Acq: 29 Mar 2021 23:30

Tgt Ion: 42	Resp: 510
Ion Ratio	Lower Upper
42	100
72	0.0 41.7 62.5#
71	22.2 38.4 57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.54 ug/l

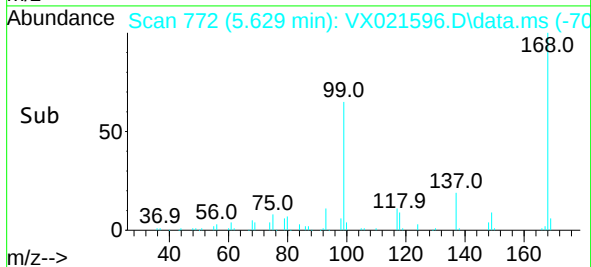
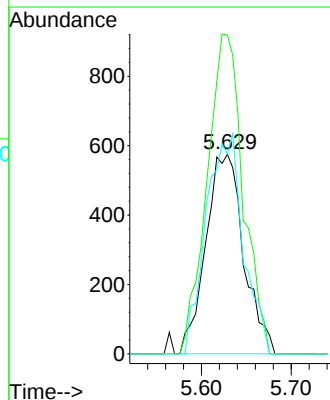
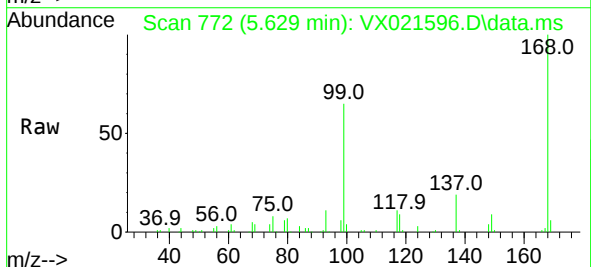
RT: 5.629 min Scan# 772

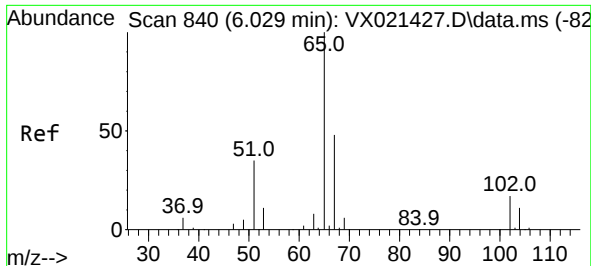
Delta R.T. 0.082 min

Lab File: VX021596.D

Acq: 29 Mar 2021 23:30

Tgt Ion: 56	Resp: 1688
Ion Ratio	Lower Upper
56	100
69	159.8 25.3 37.9#
84	100.2 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 50.59 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021596.D

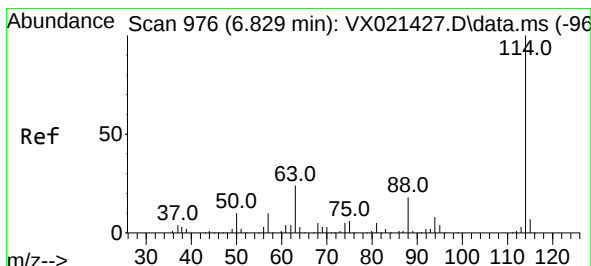
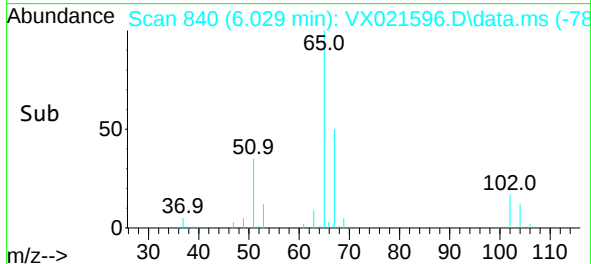
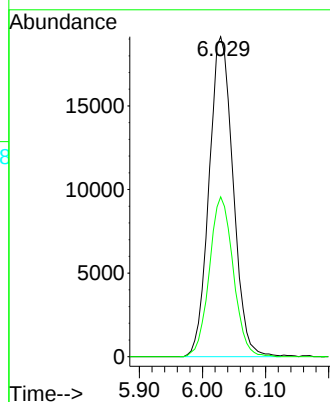
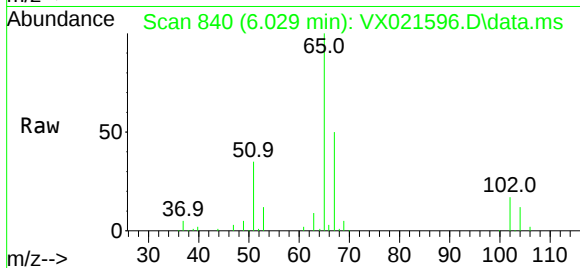
Acq: 29 Mar 2021 23:30

Tgt Ion: 65 Resp: 50539

Ion Ratio Lower Upper

65 100

67 49.7 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: VX021596.D

Acq: 29 Mar 2021 23:30

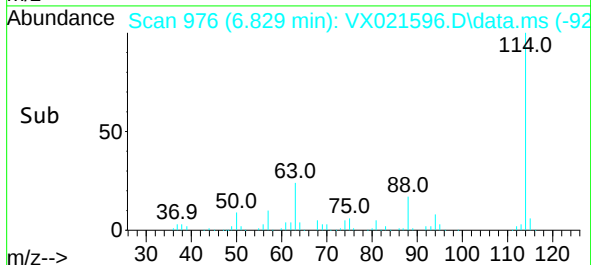
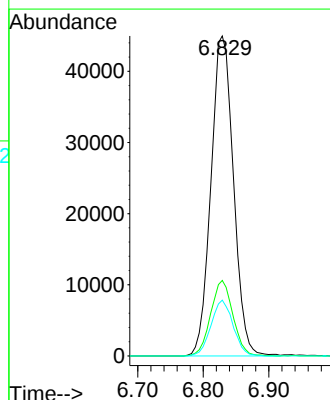
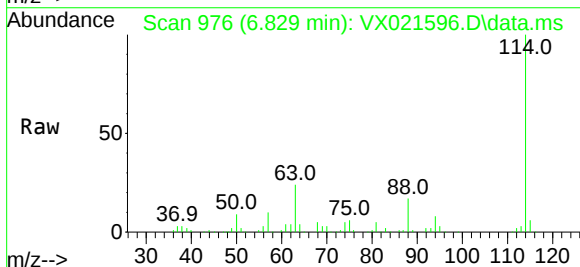
Tgt Ion: 114 Resp: 107497

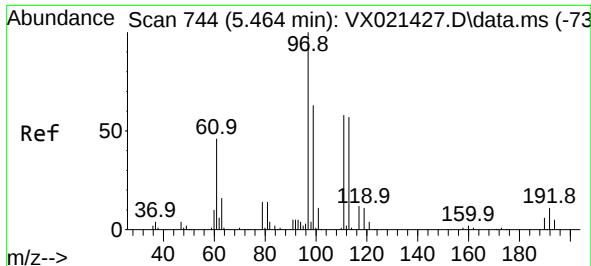
Ion Ratio Lower Upper

114 100

63 23.6 0.0 40.8

88 17.5 0.0 32.8

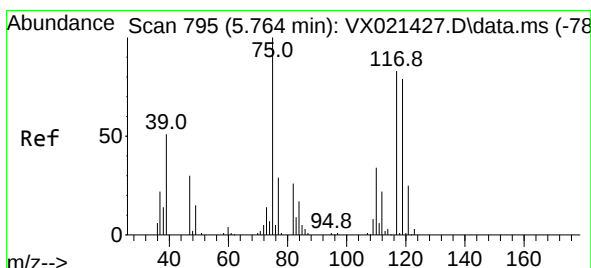
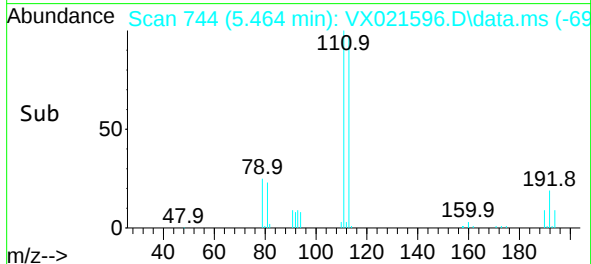
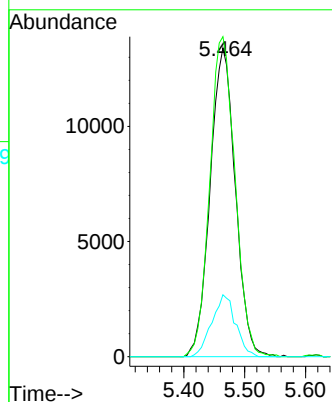
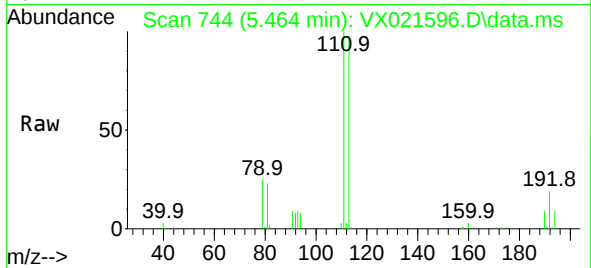




#35
Dibromofluoromethane
Concen: 50.44 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

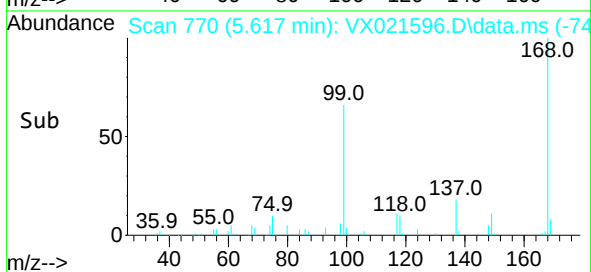
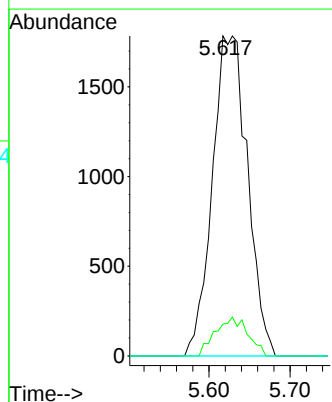
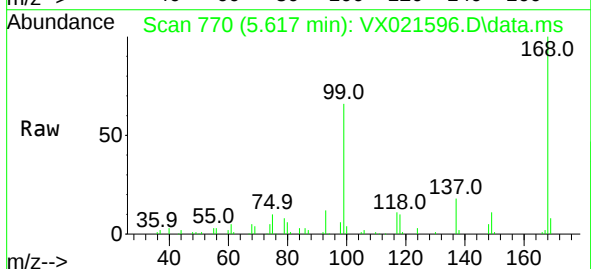
Instrument :
MSVOA_X
ClientSampled :

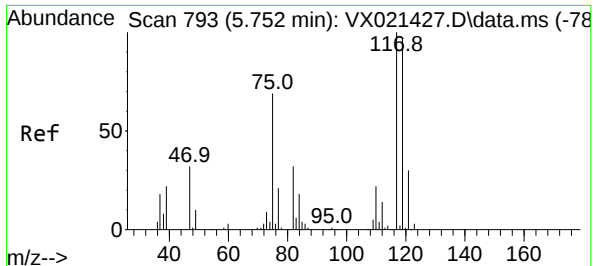
Tgt Ion:113 Resp: 38515
Ion Ratio Lower Upper
113 100
111 104.2 81.9 122.9
192 19.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.10 ug/l
RT: 5.617 min Scan# 770
Delta R.T. -0.147 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

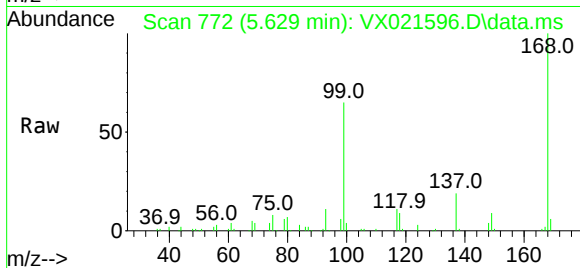
Tgt Ion: 75 Resp: 5375
Ion Ratio Lower Upper
75 100
110 11.1 18.1 54.4#
77 0.0 25.3 37.9#



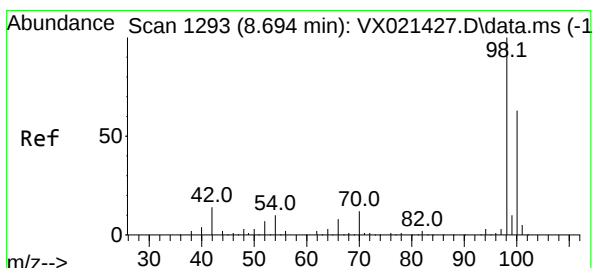
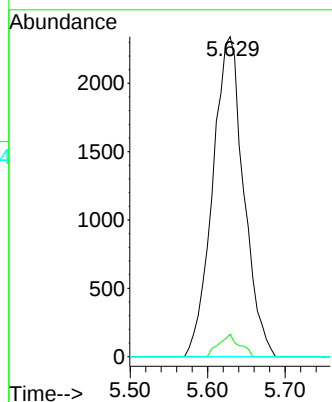
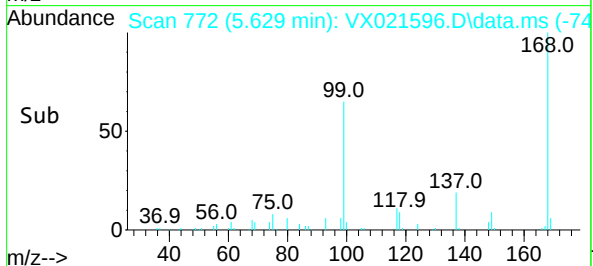


#38
Carbon Tetrachloride
Concen: 5.78 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

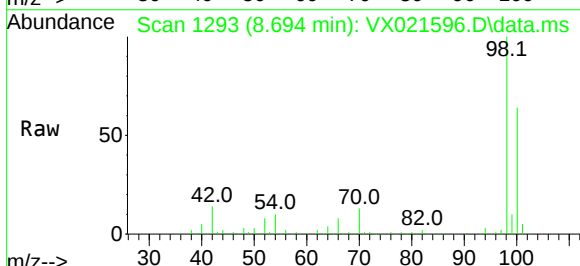
Instrument :
MSVOA_X
ClientSampleId :



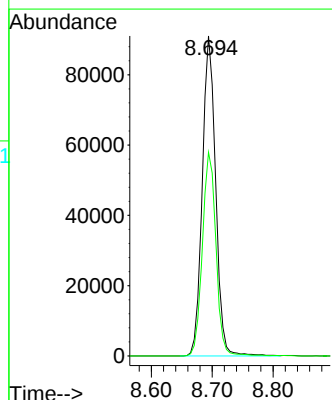
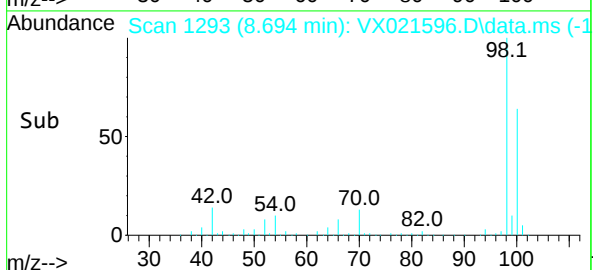
Tgt Ion:117 Resp: 6542
Ion Ratio Lower Upper
117 100
119 7.0 76.2 114.2#
121 0.0 24.8 37.2#

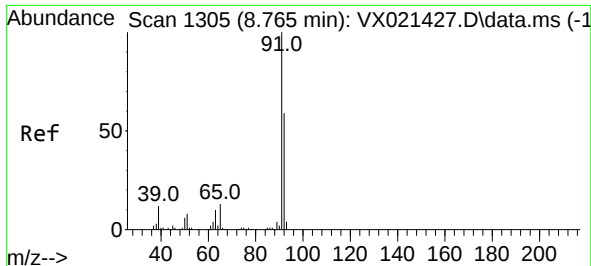


#50
Toluene-d8
Concen: 50.94 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30



Tgt Ion: 98 Resp: 138603
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

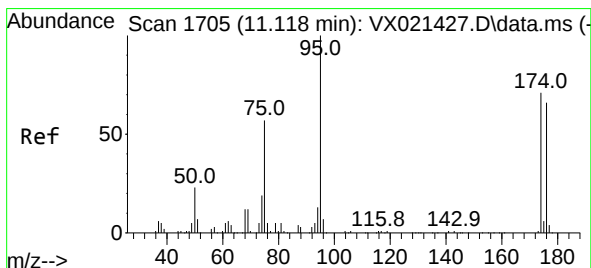
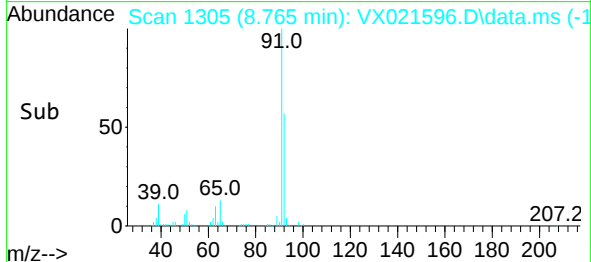
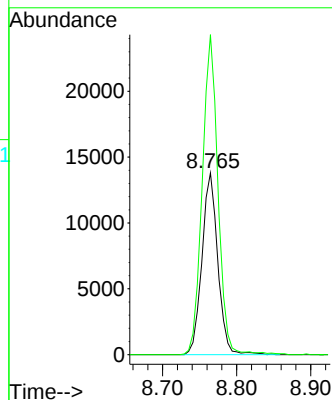
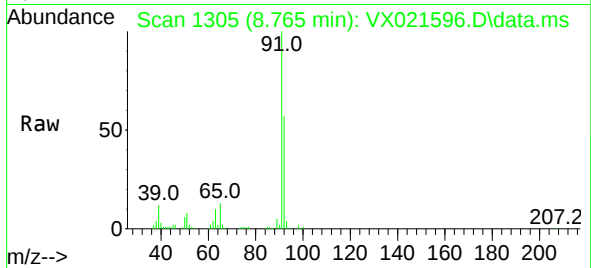




#52
Toluene
Concen: 11.10 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

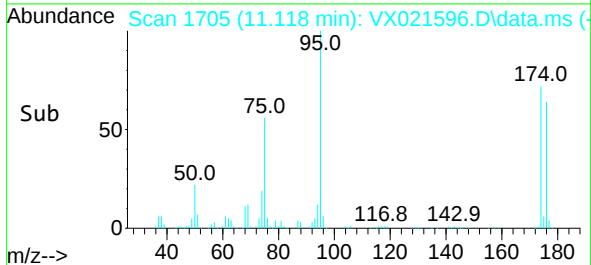
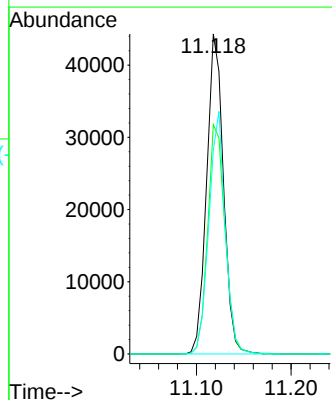
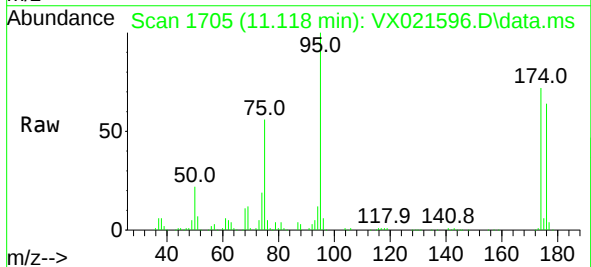
Instrument :
MSVOA_X
ClientSampled :

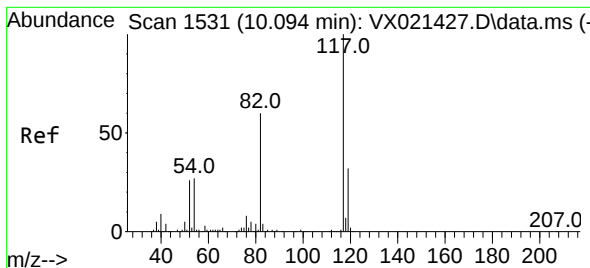
Tgt Ion: 92 Resp: 20503
Ion Ratio Lower Upper
92 100
91 175.1 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 51.71 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

Tgt Ion: 95 Resp: 54707
Ion Ratio Lower Upper
95 100
174 74.1 0.0 154.6
176 73.3 0.0 155.8

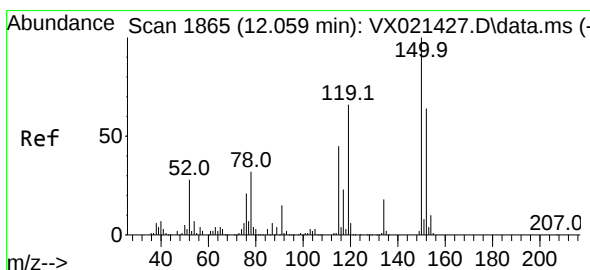
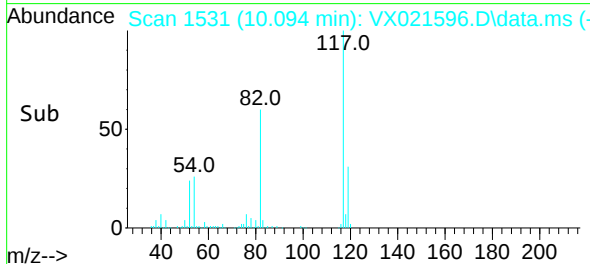
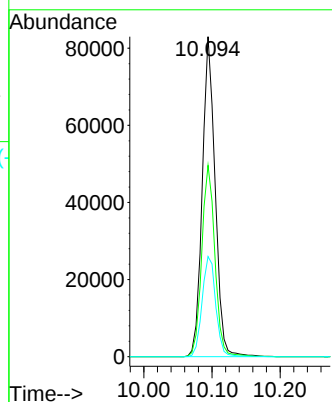
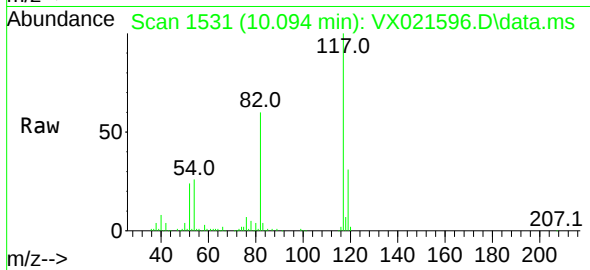




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

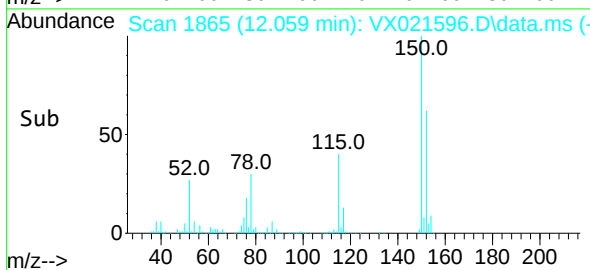
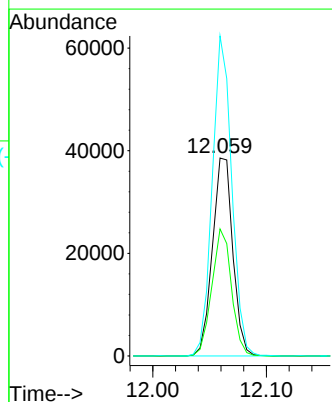
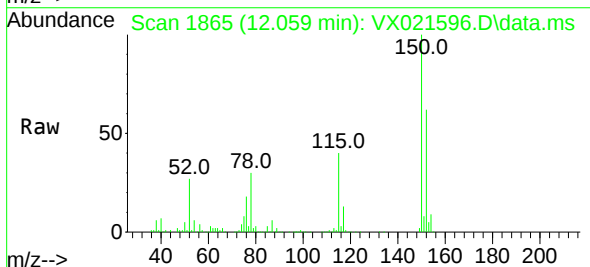
Instrument :
MSVOA_X
ClientSampleId :

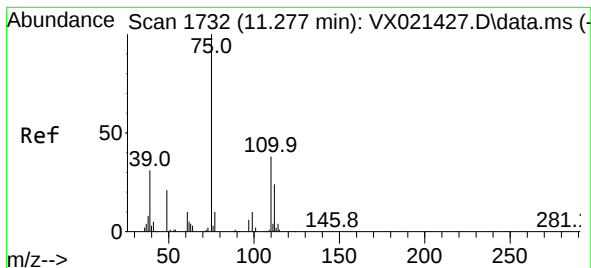
Tgt Ion:117 Resp: 108994
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

Tgt Ion:152 Resp: 48184
Ion Ratio Lower Upper
152 100
115 61.8 41.1 123.3
150 154.1 0.0 349.0

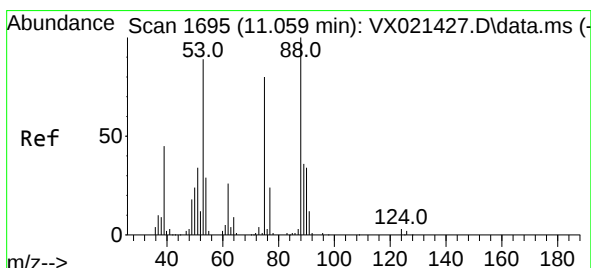
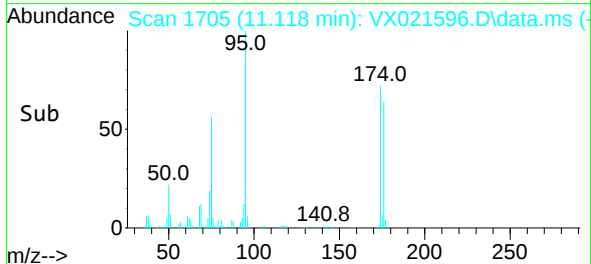
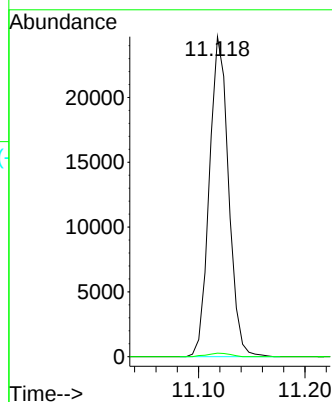
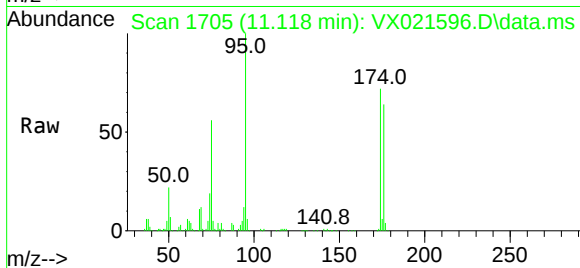




#76
1,2,3-Trichloropropane
Concen: 27.58 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

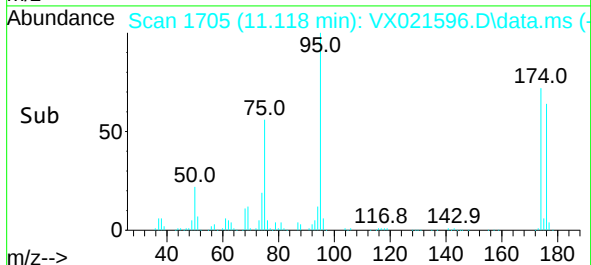
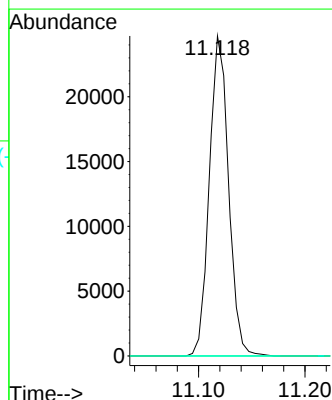
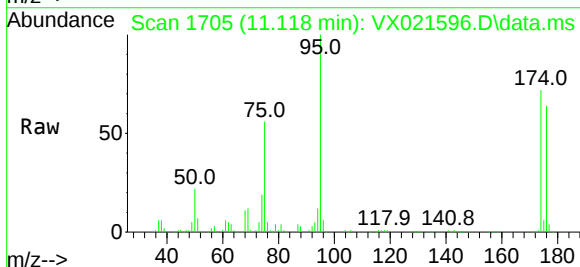
Instrument :
MSVOA_X
ClientSampled :

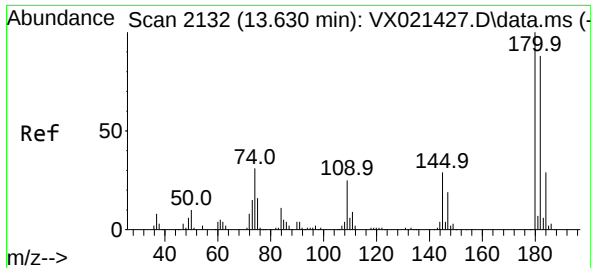
Tgt Ion: 75 Resp: 30939
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.01 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

Tgt Ion: 75 Resp: 30939
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

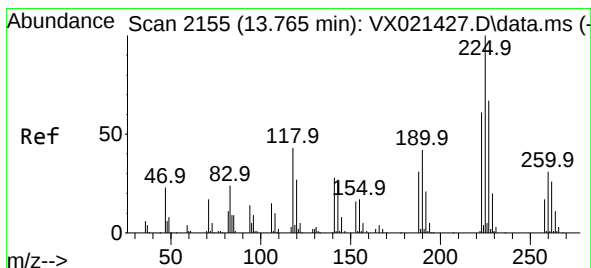
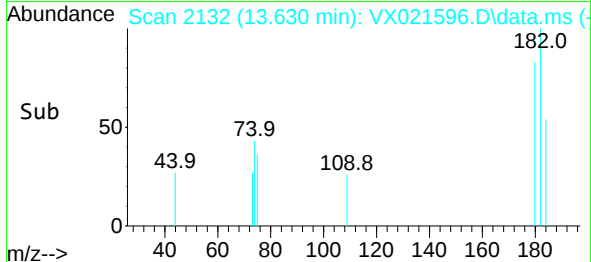
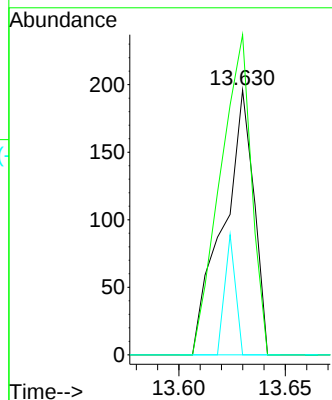
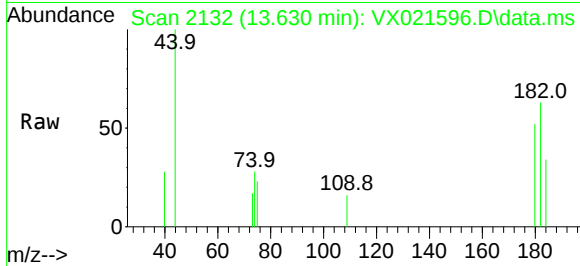




#93
1,2,4-Trichlorobenzene
Concen: 0.20 ug/l
RT: 13.630 min Scan# 2132
Delta R.T. -0.000 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

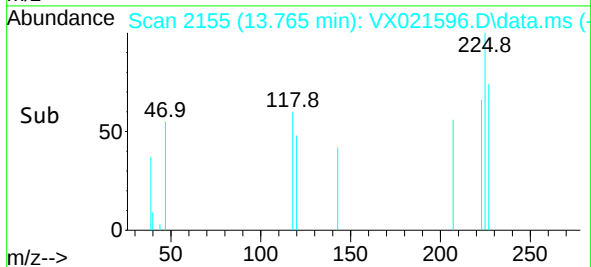
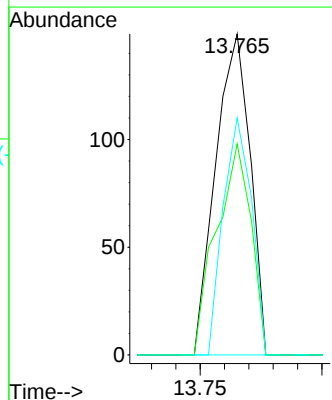
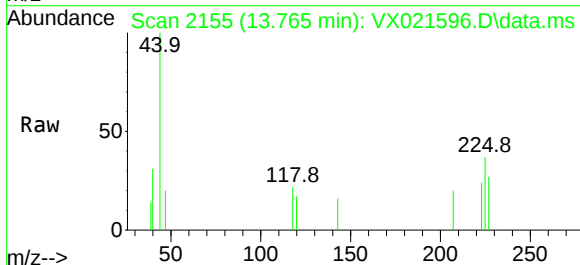
Instrument :
MSVOA_X
ClientSampleId :

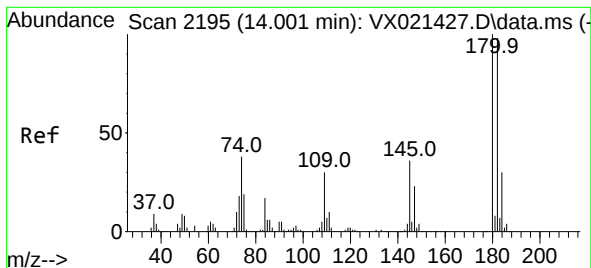
Tgt Ion:180 Resp: 197
Ion Ratio Lower Upper
180 100
182 122.3 47.7 143.1
145 15.7 15.0 45.0



#94
Hexachlorobutadiene
Concen: 0.34 ug/l
RT: 13.765 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VX021596.D
Acq: 29 Mar 2021 23:30

Tgt Ion:225 Resp: 146
Ion Ratio Lower Upper
225 100
223 66.4 31.1 93.2
227 61.0 31.6 95.0





#96

1,2,3-Trichlorobenzene

Concen: 0.25 ug/l

RT: 14.001 min Scan# 2195

Delta R.T. -0.000 min

Lab File: VX021596.D

Acq: 29 Mar 2021 23:30

Tgt Ion:180 Resp: 238

Ion Ratio Lower Upper

180 100

182 89.5 47.6 142.9

145 33.2 16.1 48.3

