

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
 Data File : VX021250.D
 Acq On : 16 Mar 2021 17:36
 Operator : JC/MD
 Sample : M1677-1DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 17 02:41:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	82894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	133621	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	111919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	43581	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	62836	46.22	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.44%
35) Dibromofluoromethane	5.464	113	44881	49.36	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.72%
50) Toluene-d8	8.694	98	161944	49.09	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.18%
62) 4-Bromofluorobenzene	11.118	95	54932	42.88	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	85.76%

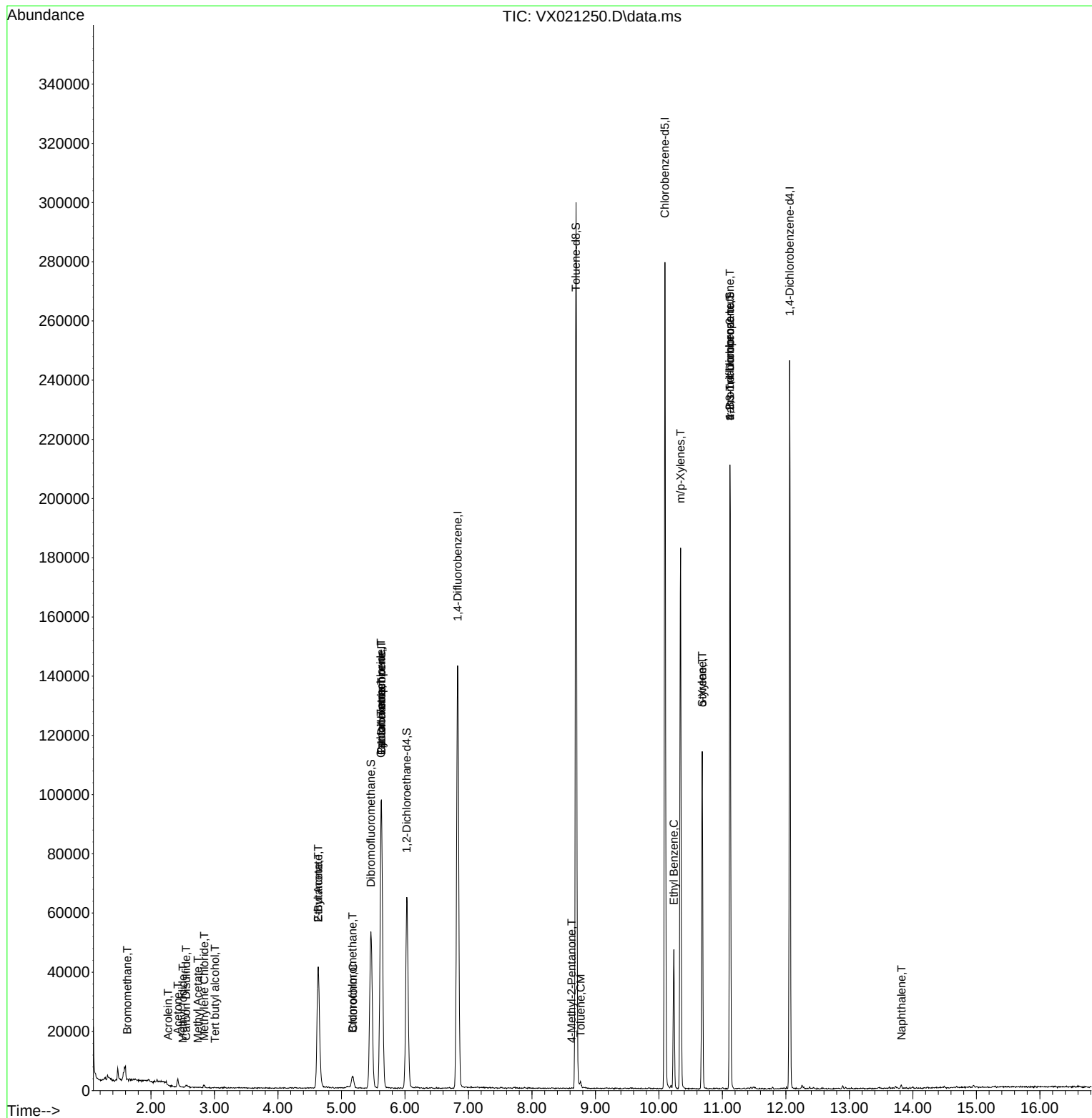
Target Compounds						Qvalue
3) Chloromethane	1.317	50	2250	Below Cal	#	87
5) Bromomethane	1.628	94	134	0.30	ug/l #	67
10) Methyl Iodide	2.499	142	228	0.30	ug/l #	52
11) Tert butyl alcohol	3.005	59	90	0.39	ug/l #	73
13) Acrolein	2.270	56	54	3.51	ug/l #	1
16) Acetone	2.423	43	2589	5.18	ug/l #	84
17) Carbon Disulfide	2.552	76	855	0.88	ug/l #	75
18) Methyl Acetate	2.740	43	327	0.24	ug/l #	47
20) Methylene Chloride	2.840	84	349	0.34	ug/l #	76
25) 2-Butanone	4.635	43	72541	94.30	ug/l #	88
28) Bromochloromethane	5.176	49	480	0.56	ug/l #	9
30) Chloroform	5.182	83	4409	2.34	ug/l	95
31) Cyclohexane	5.629	56	2562	1.56	ug/l #	31
36) 1,1-Dichloropropene	5.629	75	7570	5.62	ug/l #	49
37) Ethyl Acetate	4.635	43	72541	46.50	ug/l #	64
38) Carbon Tetrachloride	5.623	117	9662	6.91	ug/l #	17
49) 1,4-Dioxane	7.717	88	164	Below Cal	#	31
51) 4-Methyl-2-Pentanone	8.623	43	358	0.24	ug/l #	32
52) Toluene	8.765	92	612	0.27	ug/l	100
67) Ethyl Benzene	10.235	91	25405	5.97	ug/l	96
68) m/p-Xylenes	10.341	106	38652	25.42	ug/l	94
69) o-Xylene	10.682	106	21862	14.80	ug/l	91
70) Styrene	10.682	104	1246	0.50	ug/l #	1
76) 1,2,3-Trichloropropane	11.118	75	30629	30.30	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30629	82.26	ug/l #	12
95) Naphthalene	13.818	128	756	0.24	ug/l	99

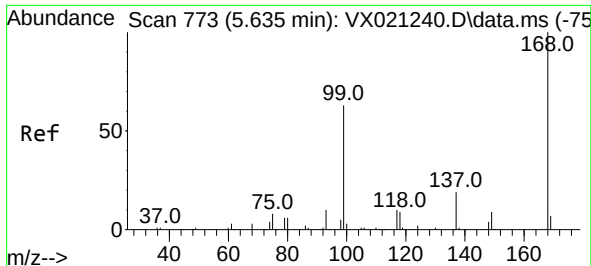
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
Data File : VX021250.D
Acq On : 16 Mar 2021 17:36
Operator : JC/MD
Sample : M1677-1DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 17 02:41:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
Response via : Initial Calibration

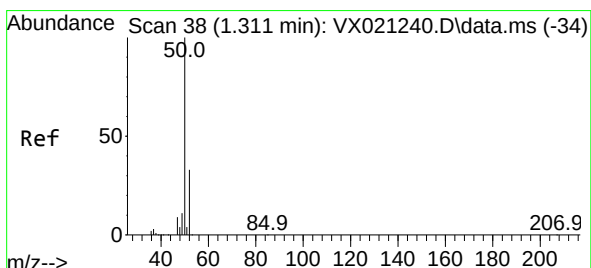
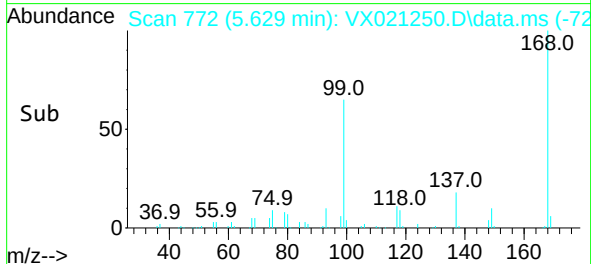
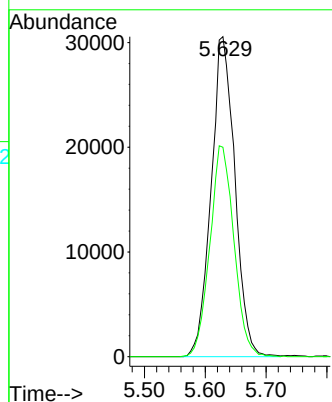
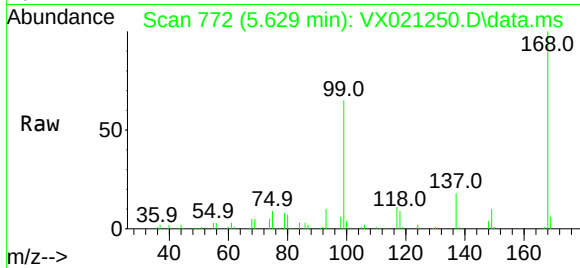




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

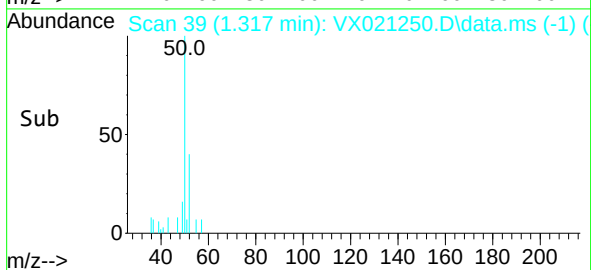
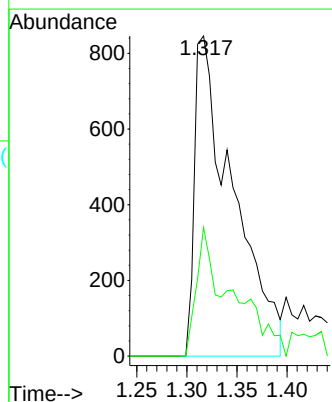
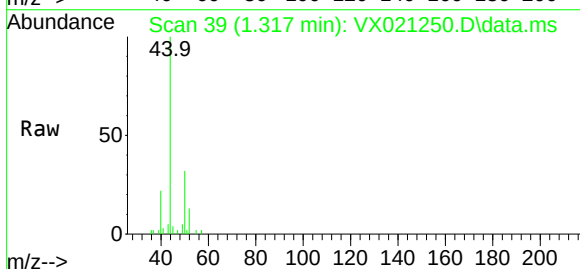
Instrument :
MSVOA_X
ClientSampleId :

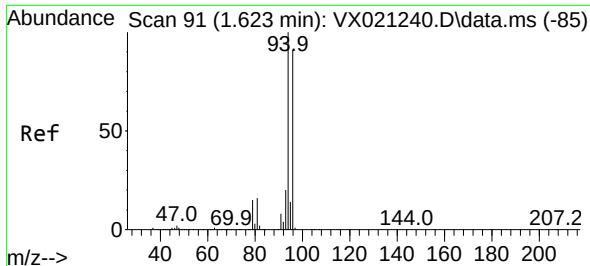
Tgt Ion:168 Resp: 82894
Ion Ratio Lower Upper
168 100
99 65.5 45.8 68.6



#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Tgt Ion: 50 Resp: 2250
Ion Ratio Lower Upper
50 100
52 40.2 26.4 39.6#

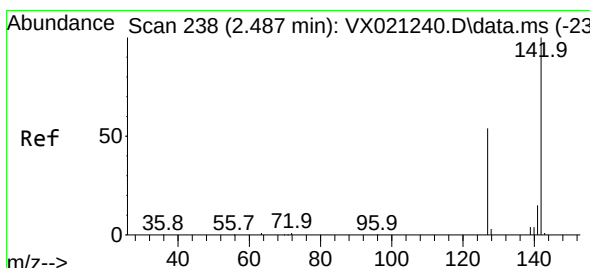
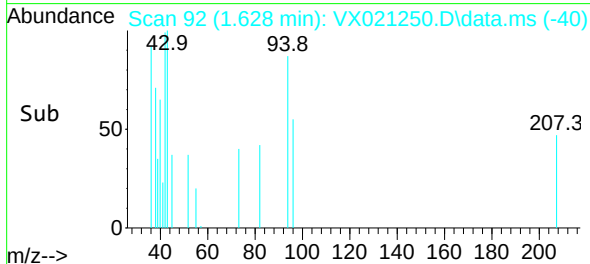
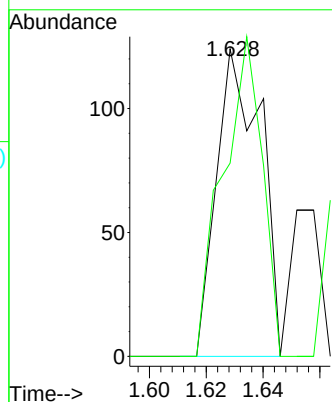
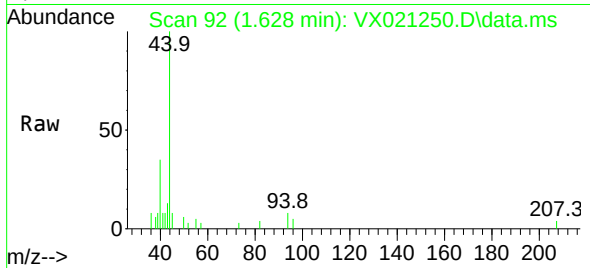




#5
Bromomethane
Concen: 0.30 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.005 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

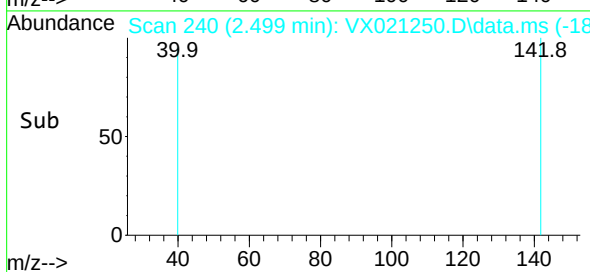
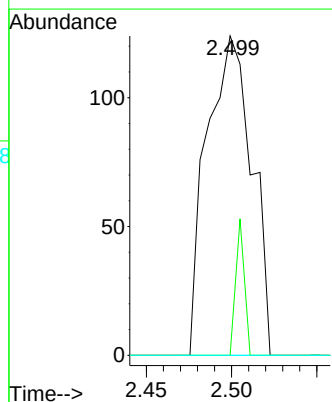
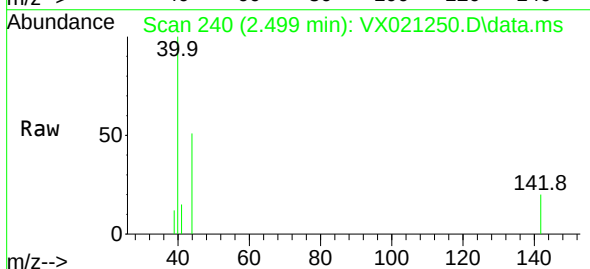
Instrument :
MSVOA_X
ClientSampled :

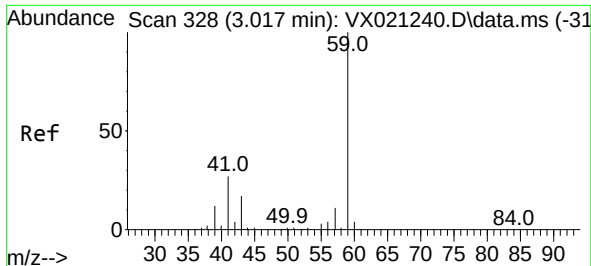
Tgt Ion: 94 Resp: 134
Ion Ratio Lower Upper
94 100
96 62.9 76.4 114.6#



#10
Methyl Iodide
Concen: 0.30 ug/l
RT: 2.499 min Scan# 240
Delta R.T. 0.012 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Tgt Ion:142 Resp: 228
Ion Ratio Lower Upper
142 100
127 8.3 33.3 49.9#
141 0.0 11.4 17.0#

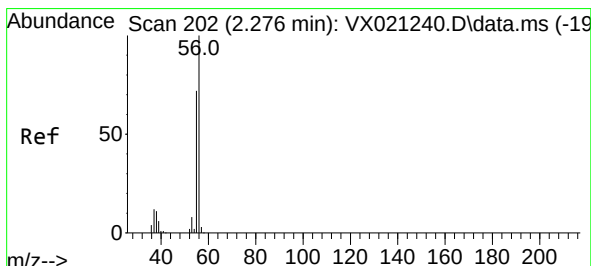
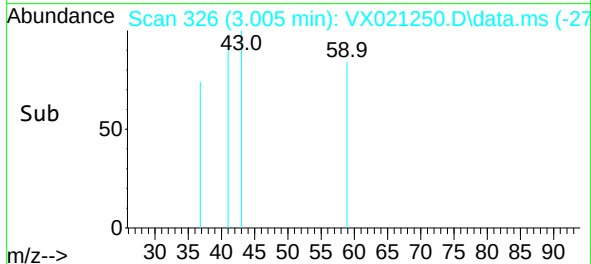
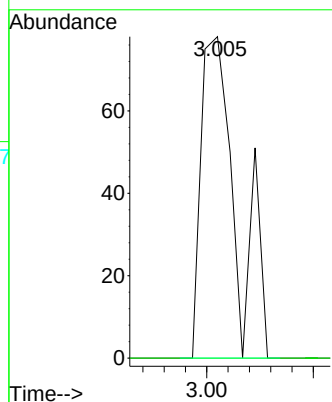
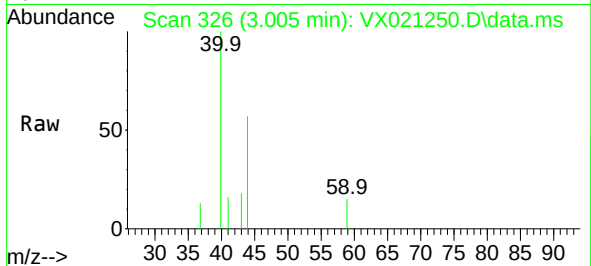




#11
Tert butyl alcohol
Concen: 0.39 ug/l
RT: 3.005 min Scan# 326
Delta R.T. -0.012 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

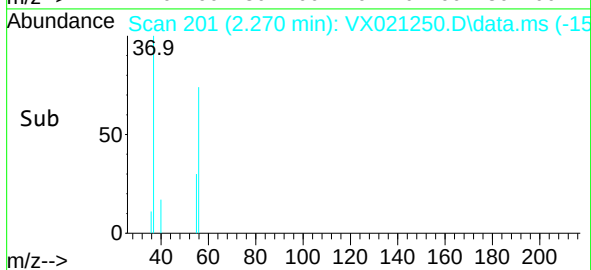
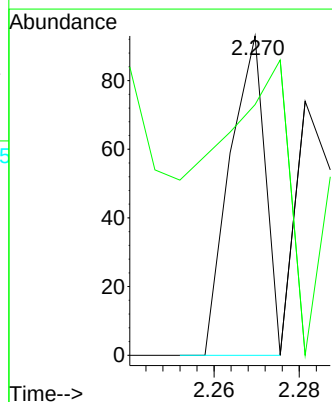
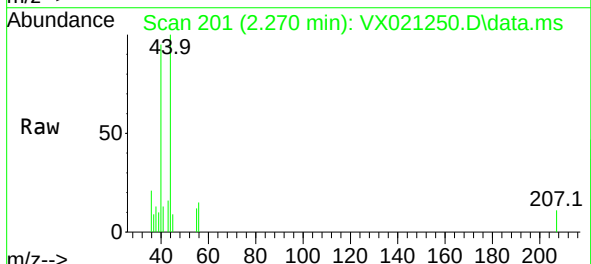
Instrument :
MSVOA_X
ClientSampled :

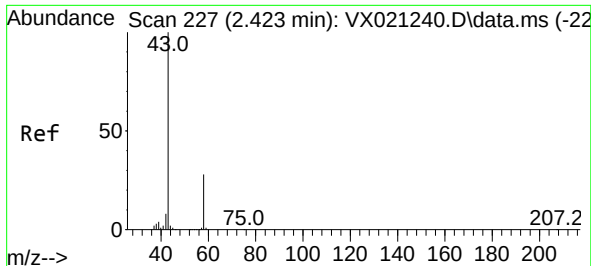
Tgt Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 3.51 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 218.5 56.4 84.6#

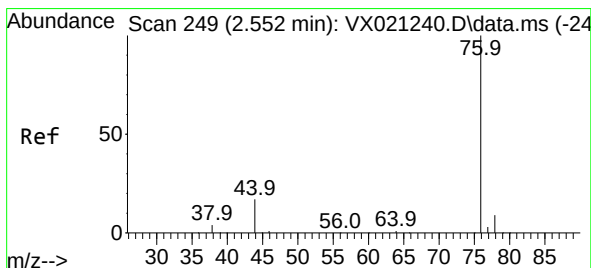
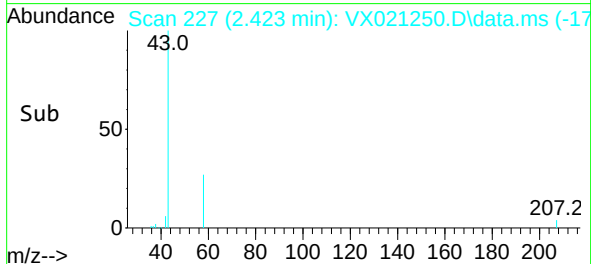
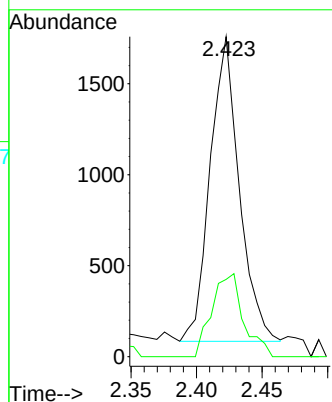
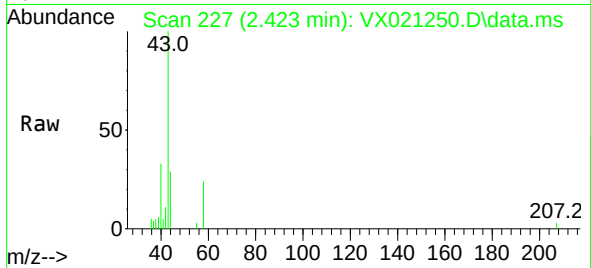




#16
Acetone
Concen: 5.18 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

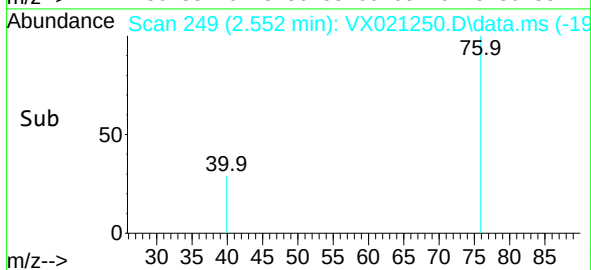
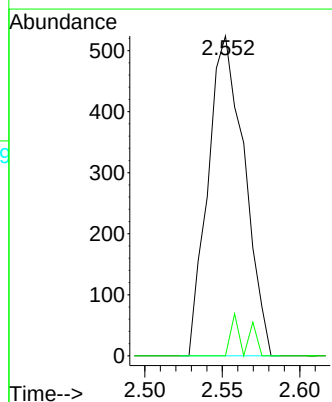
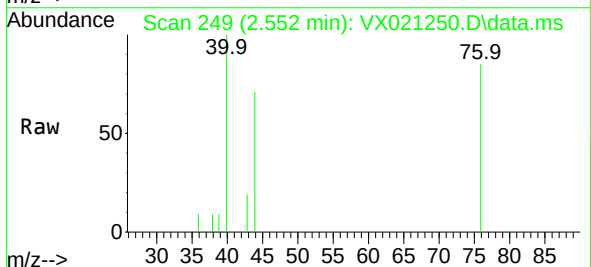
Instrument :
MSVOA_X
ClientSampled :

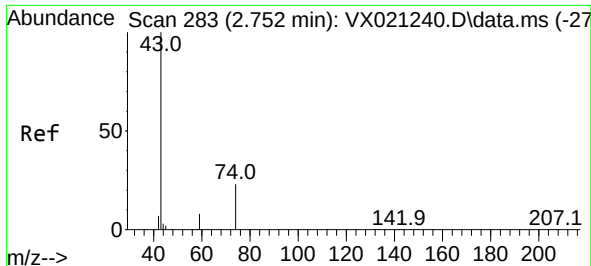
Tgt Ion: 43 Resp: 2589
Ion Ratio Lower Upper
43 100
58 25.4 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.88 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.000 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

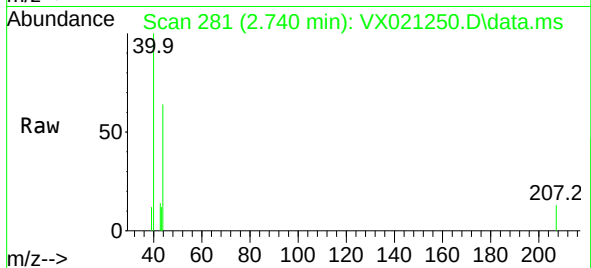
Tgt Ion: 76 Resp: 855
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



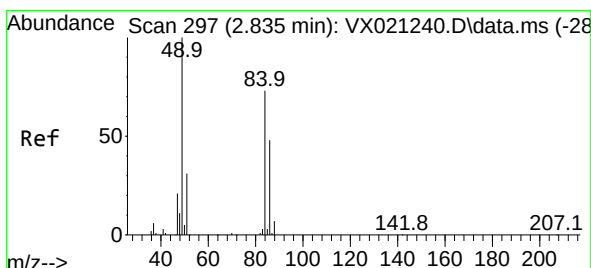
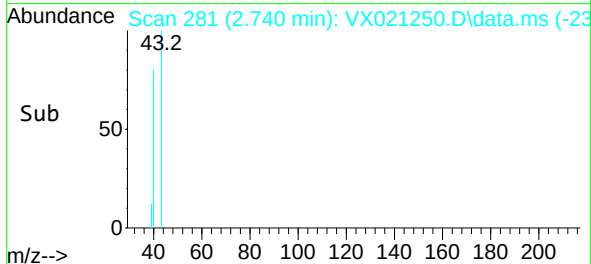
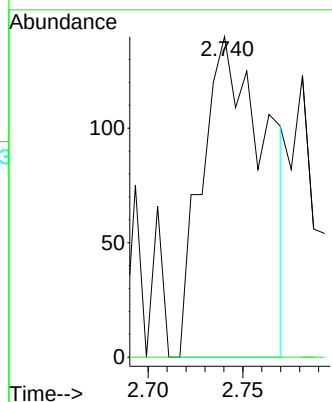


#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.740 min Scan# 281
Delta R.T. -0.012 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Instrument :
MSVOA_X
ClientSampled :

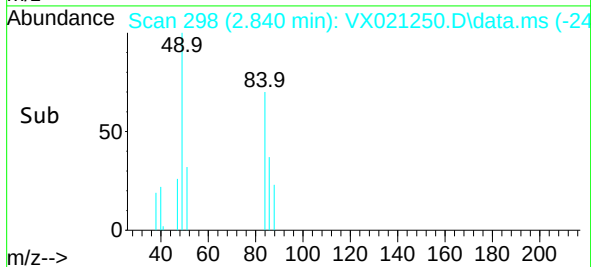
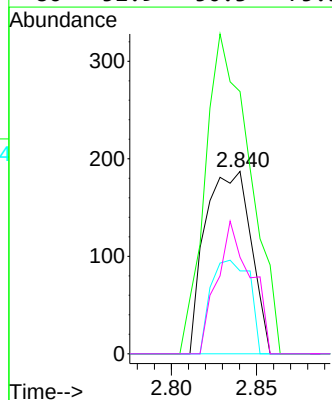
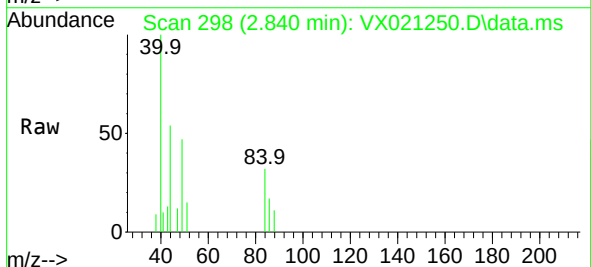


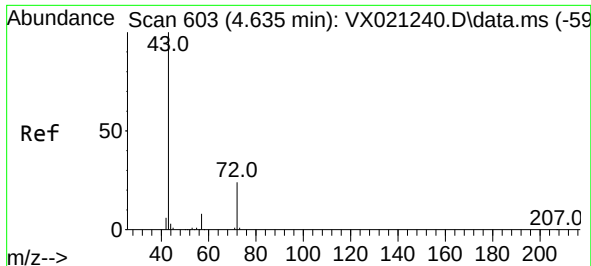
Tgt Ion: 43 Resp: 327
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.34 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.005 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Tgt Ion: 84 Resp: 349
Ion Ratio Lower Upper
84 100
49 143.9 88.6 132.8#
51 45.5 27.0 40.6#
86 52.9 50.3 75.5

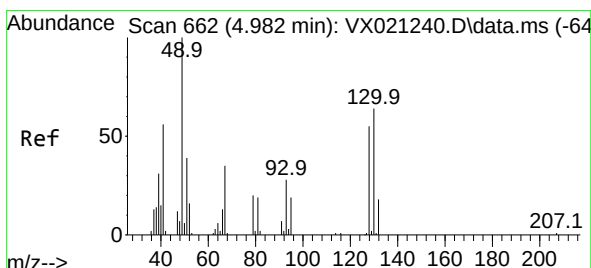
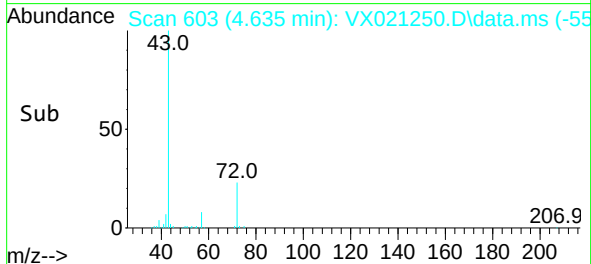
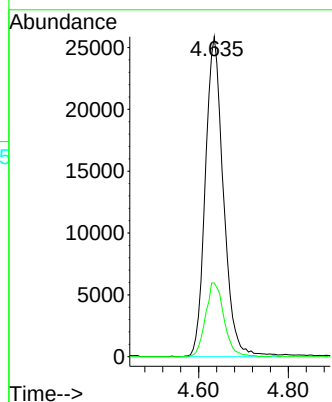
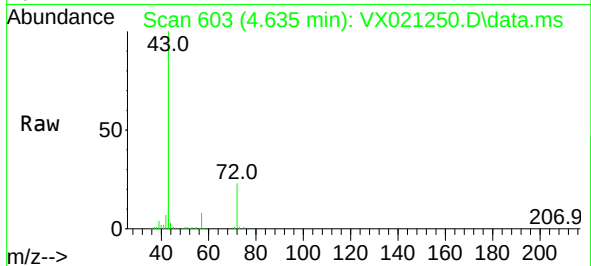




#25
2-Butanone
Concen: 94.30 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.000 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

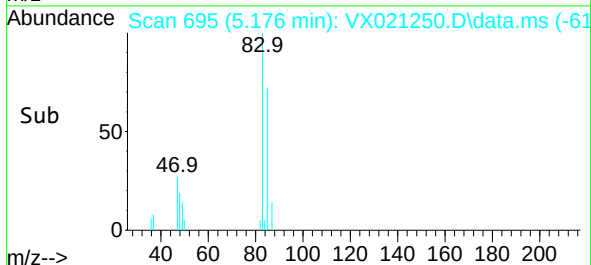
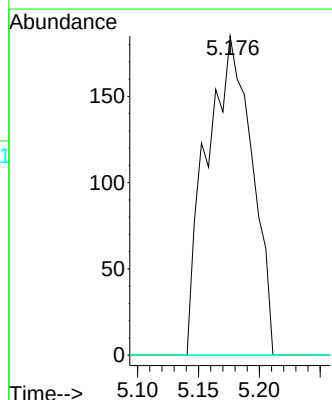
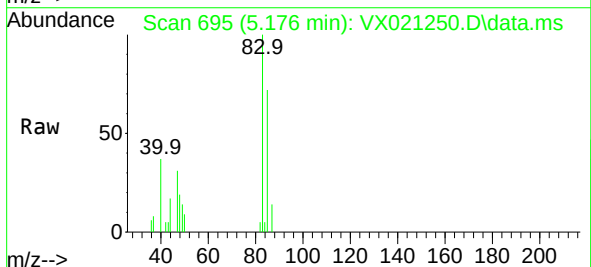
Instrument :
MSVOA_X
ClientSampled :

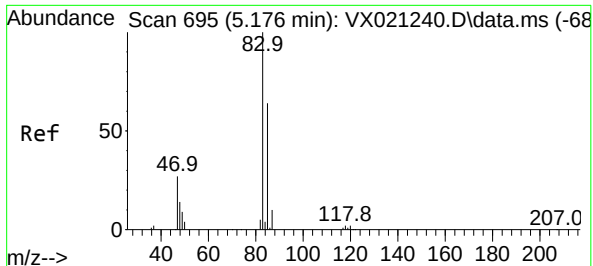
Tgt Ion: 43 Resp: 72541
Ion Ratio Lower Upper
43 100
72 23.1 23.7 35.5#



#28
Bromochloromethane
Concen: 0.56 ug/l
RT: 5.176 min Scan# 695
Delta R.T. 0.194 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Tgt Ion: 49 Resp: 480
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#





#30

Chloroform

Concen: 2.34 ug/l

RT: 5.182 min Scan# 696

Delta R.T. 0.006 min

Lab File: VX021250.D

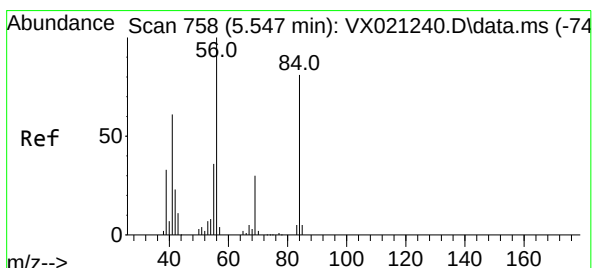
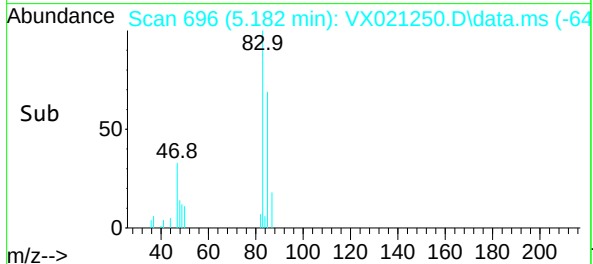
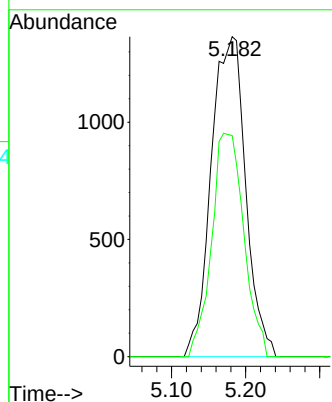
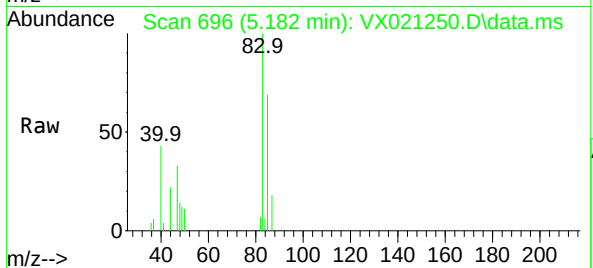
Acq: 16 Mar 2021 17:36

Tgt Ion: 83 Resp: 4409

Ion Ratio Lower Upper

83 100

85 69.1 52.0 78.0



#31

Cyclohexane

Concen: 1.56 ug/l

RT: 5.629 min Scan# 772

Delta R.T. 0.082 min

Lab File: VX021250.D

Acq: 16 Mar 2021 17:36

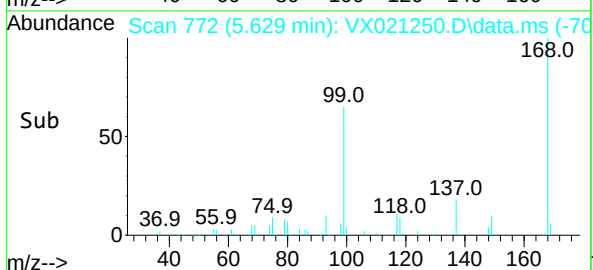
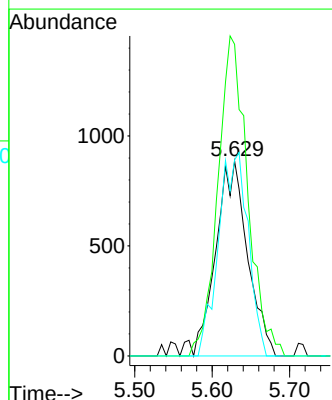
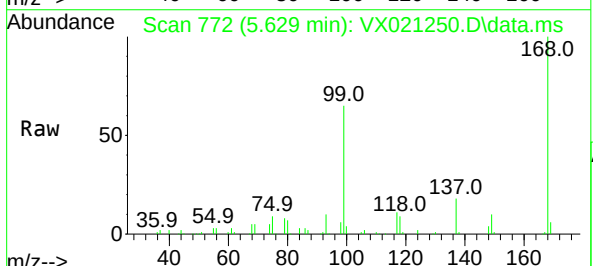
Tgt Ion: 56 Resp: 2562

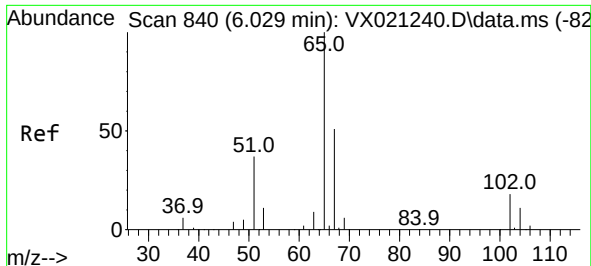
Ion Ratio Lower Upper

56 100

69 159.8 25.3 37.9#

84 100.5 71.4 107.0

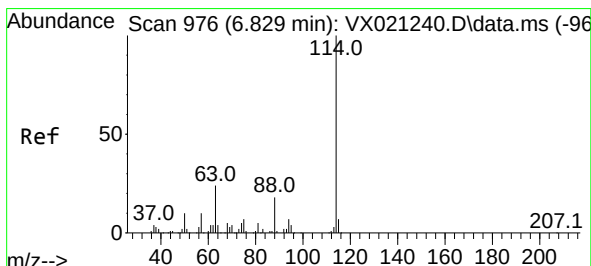
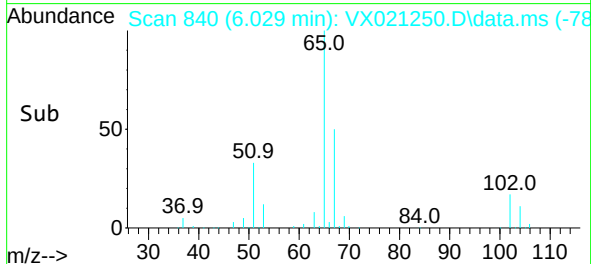
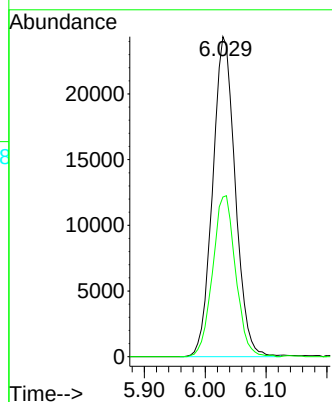
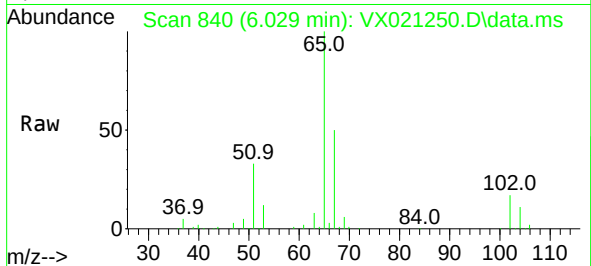




#33
1,2-Dichloroethane-d4
Concen: 46.22 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

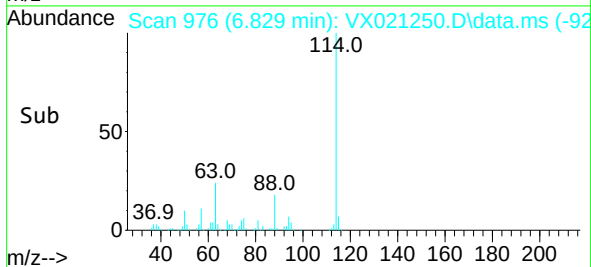
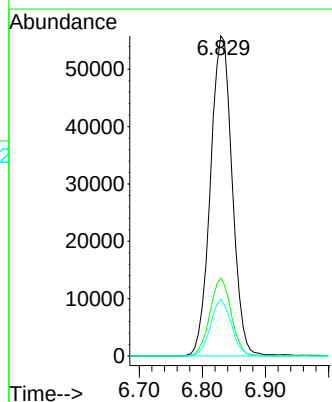
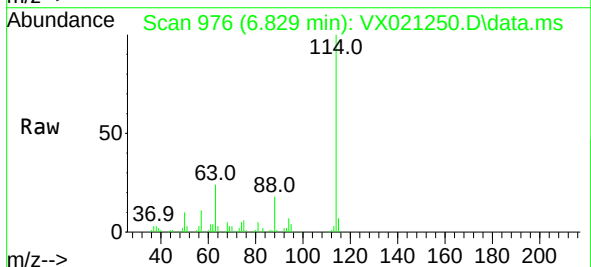
Instrument :
MSVOA_X
ClientSampled :

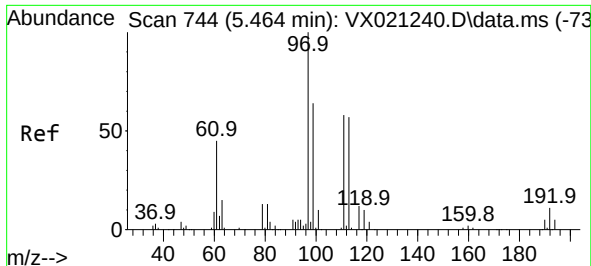
Tgt Ion: 65 Resp: 62836
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Tgt Ion: 114 Resp: 133621
Ion Ratio Lower Upper
114 100
63 24.4 0.0 40.8
88 17.7 0.0 32.8

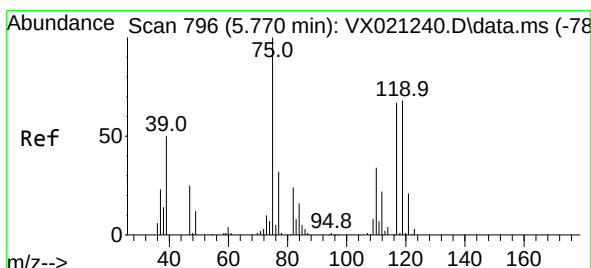
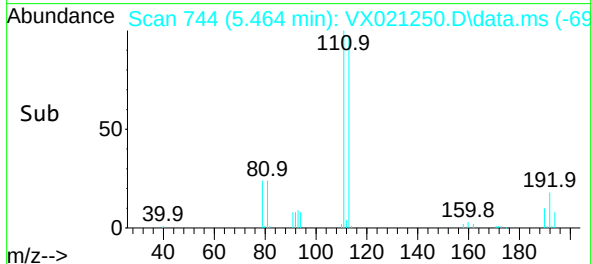
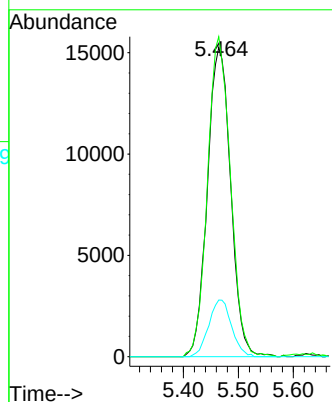
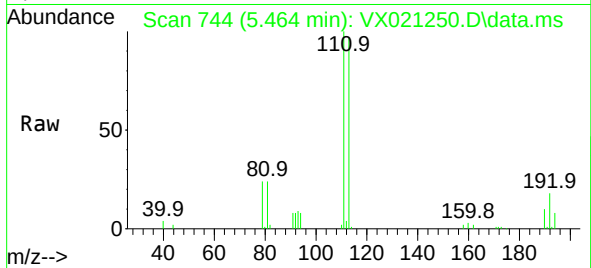




#35
Dibromofluoromethane
Concen: 49.36 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

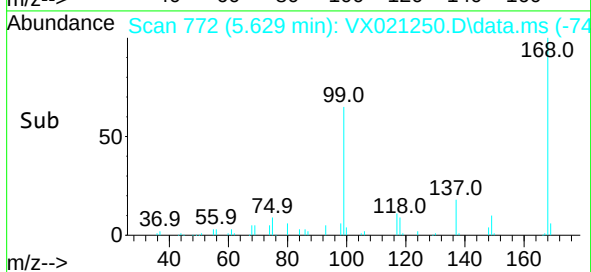
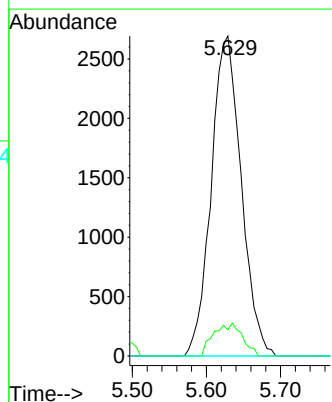
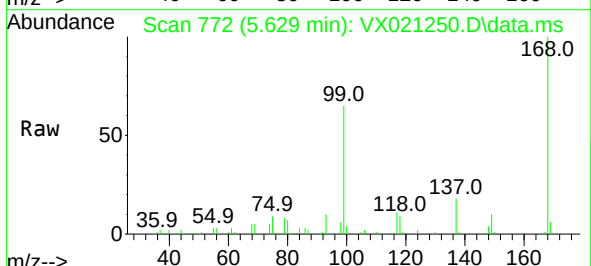
Instrument :
MSVOA_X
ClientSampleId :

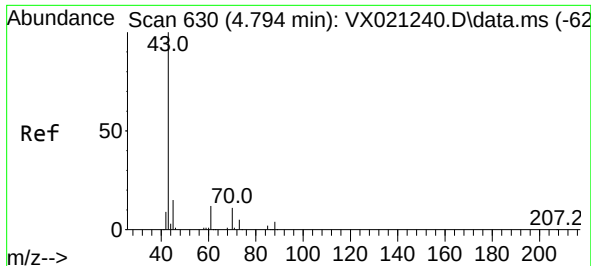
Tgt Ion:113 Resp: 44881
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 18.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.62 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Tgt Ion: 75 Resp: 7570
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 46.50 ug/l

RT: 4.635 min Scan# 603

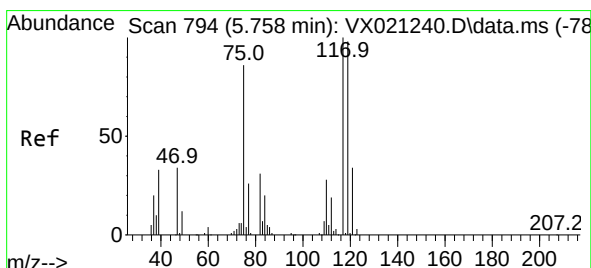
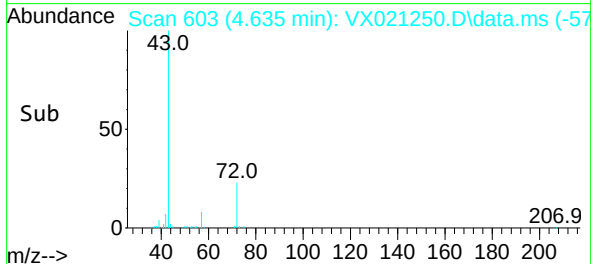
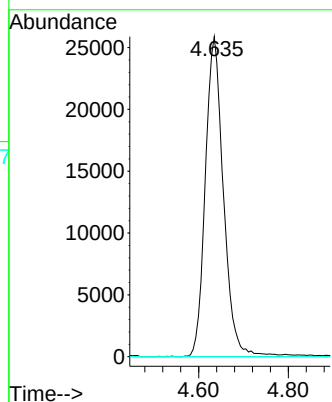
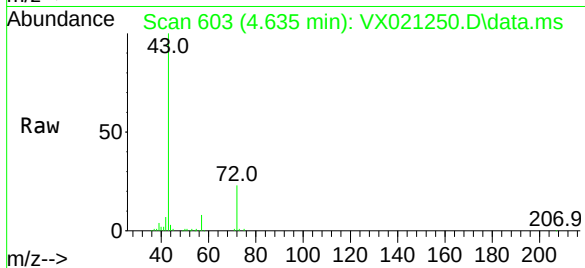
Delta R.T. -0.159 min

Lab File: VX021250.D

Acq: 16 Mar 2021 17:36

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 43	Resp: 72541
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	10.5 15.7#



#38

Carbon Tetrachloride

Concen: 6.91 ug/l

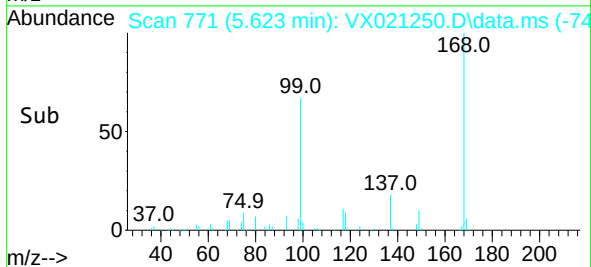
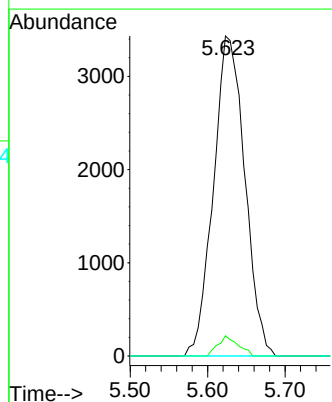
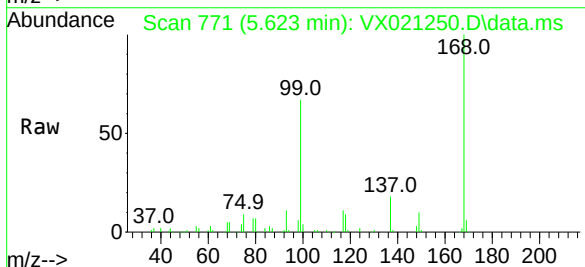
RT: 5.623 min Scan# 771

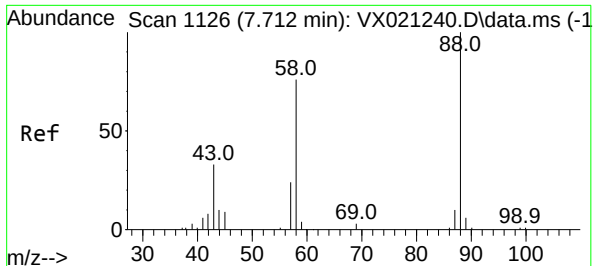
Delta R.T. -0.135 min

Lab File: VX021250.D

Acq: 16 Mar 2021 17:36

Tgt Ion: 117	Resp: 9662
Ion Ratio	Lower Upper
117 100	
119 6.3	76.2 114.2#
121 0.0	24.8 37.2#

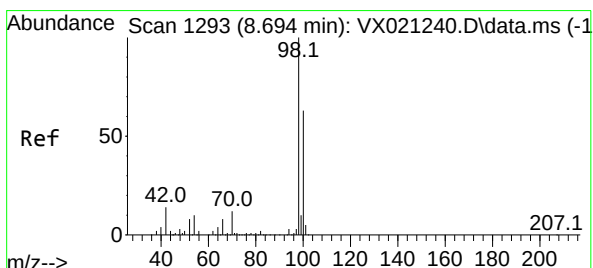
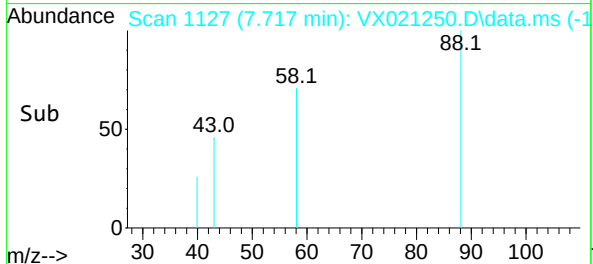
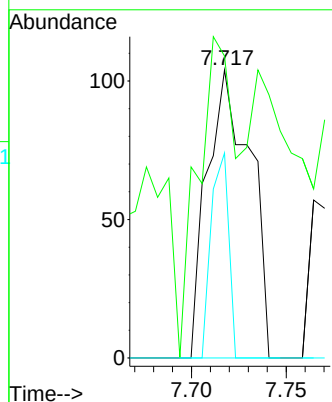
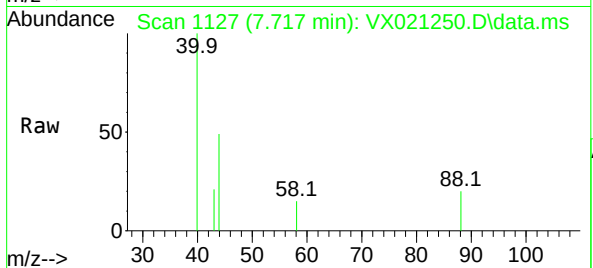




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.717 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

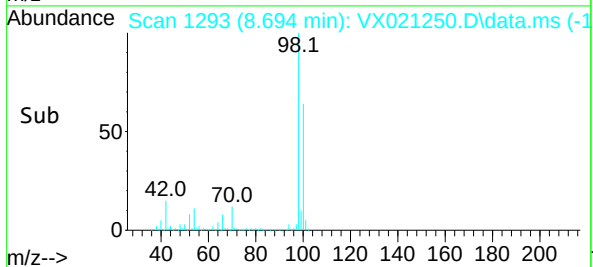
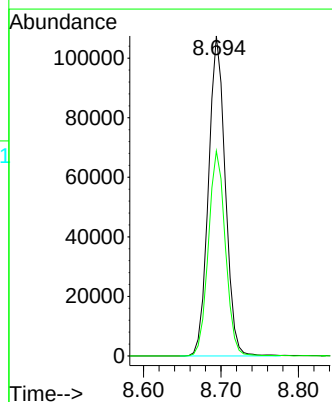
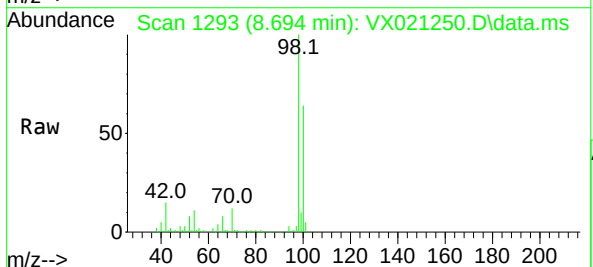
Instrument :
MSVOA_X
ClientSampleId :

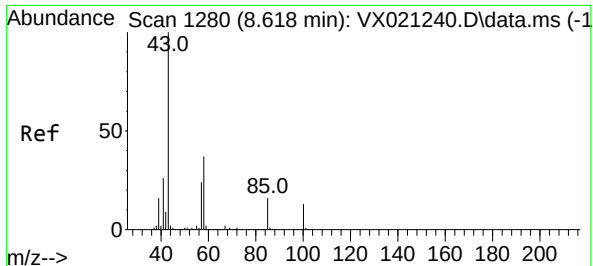
Tgt Ion: 88 Resp: 164
Ion Ratio Lower Upper
88 100
43 92.1 23.2 34.8#
58 29.3 55.0 82.4#



#50
Toluene-d8
Concen: 49.09 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Tgt Ion: 98 Resp: 161944
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

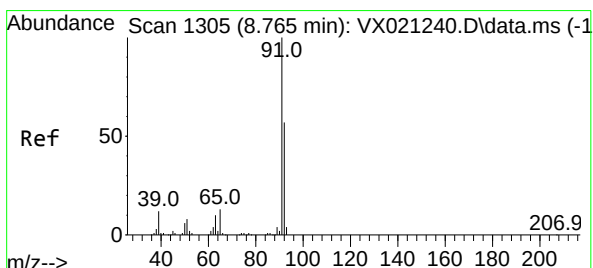
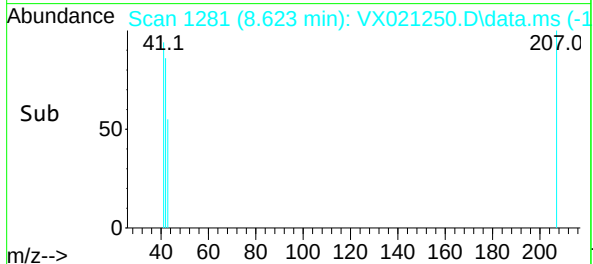
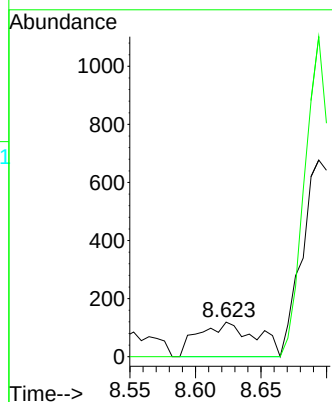
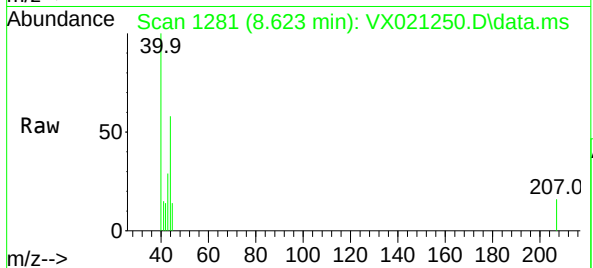




#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 8.623 min Scan# 1281
Delta R.T. 0.005 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

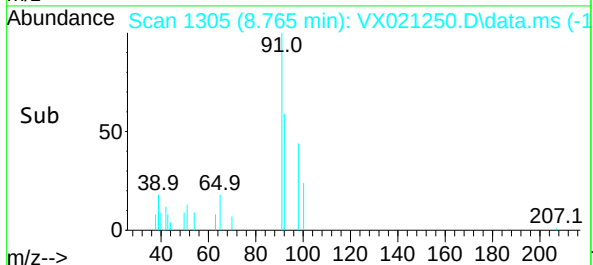
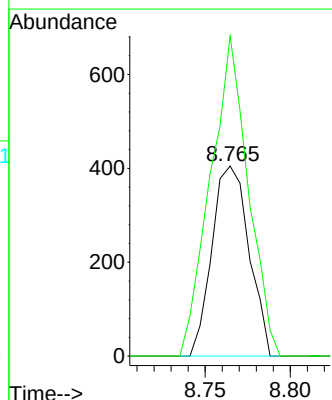
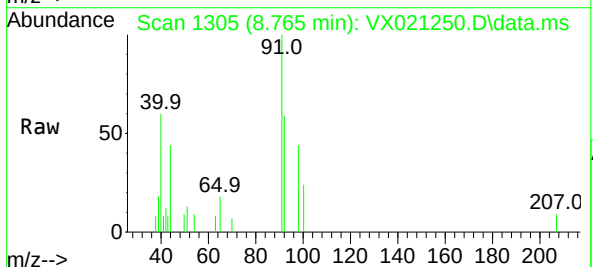
Instrument :
MSVOA_X
ClientSampled :

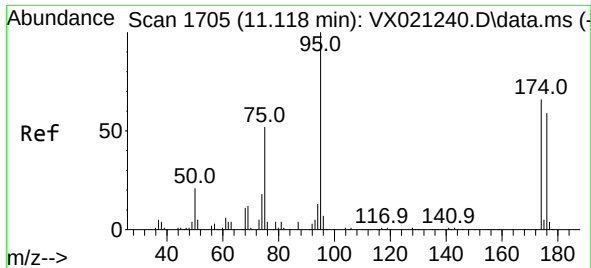
Tgt Ion: 43 Resp: 358
Ion Ratio Lower Upper
43 100
58 0.0 35.4 53.0#



#52
Toluene
Concen: 0.27 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Tgt Ion: 92 Resp: 612
Ion Ratio Lower Upper
92 100
91 171.6 137.1 205.7

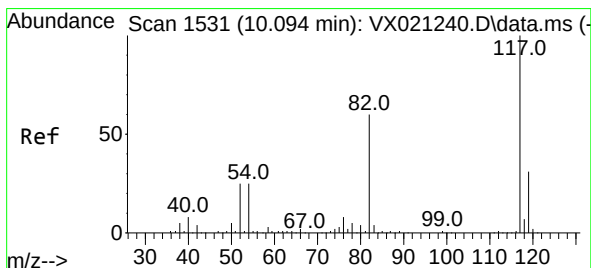
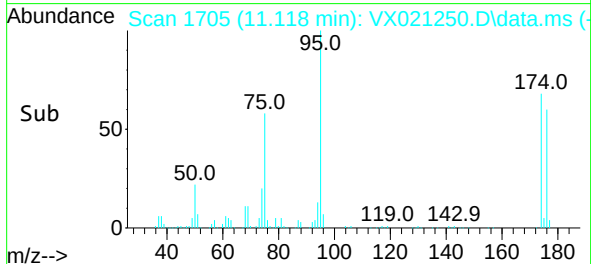
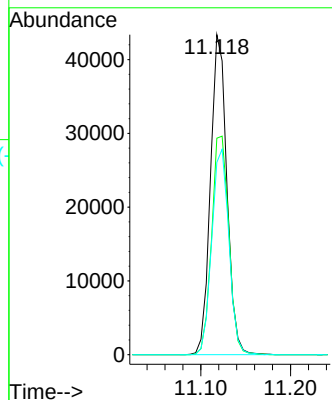
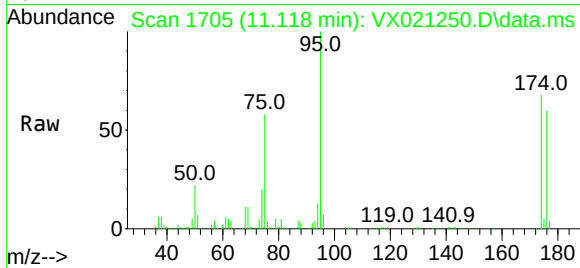




#62
4-Bromofluorobenzene
Concen: 42.88 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

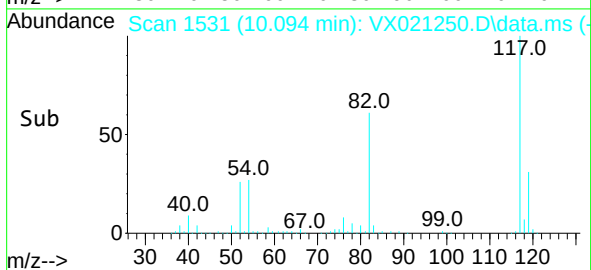
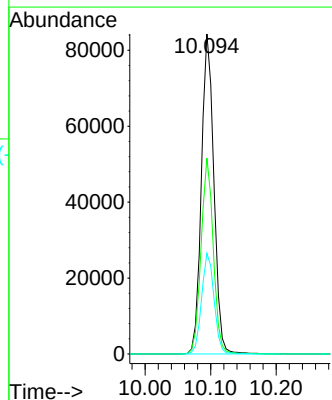
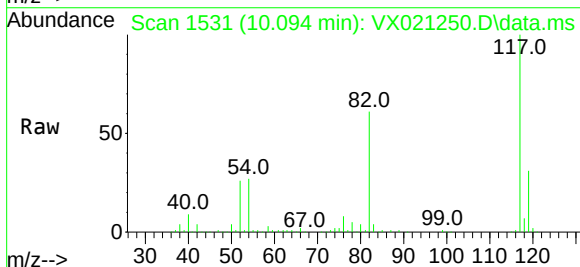
Instrument :
MSVOA_X
ClientSampleId :

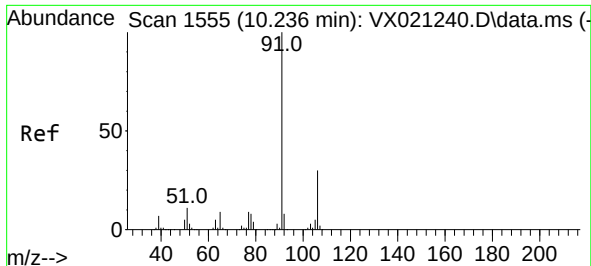
Tgt Ion: 95 Resp: 54932
Ion Ratio Lower Upper
95 100
174 71.9 0.0 154.6
176 67.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Tgt Ion: 117 Resp: 111919
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.4 26.6 39.8

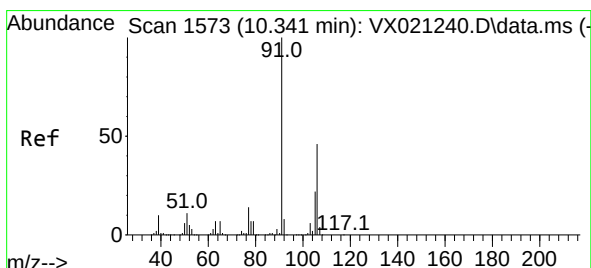
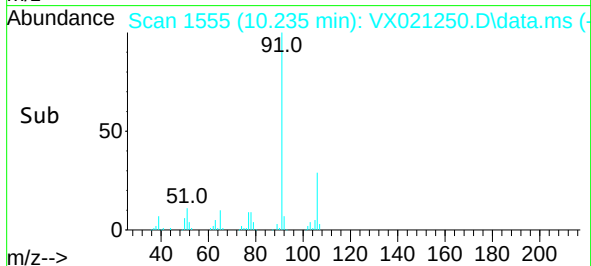
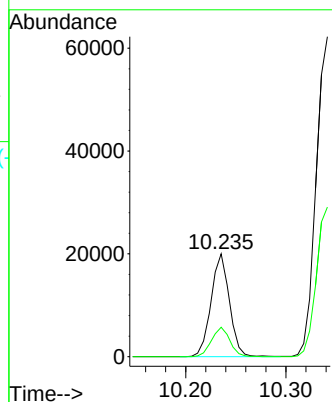
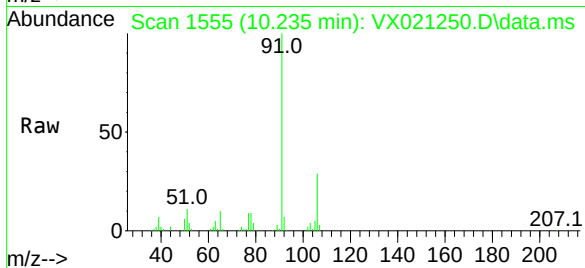




#67
Ethyl Benzene
Concen: 5.97 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. -0.001 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

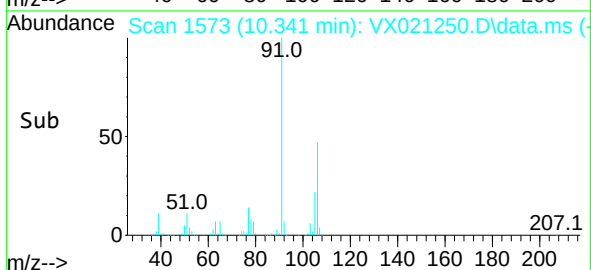
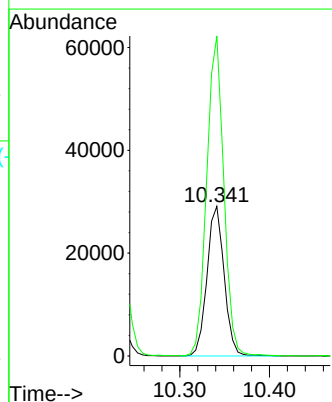
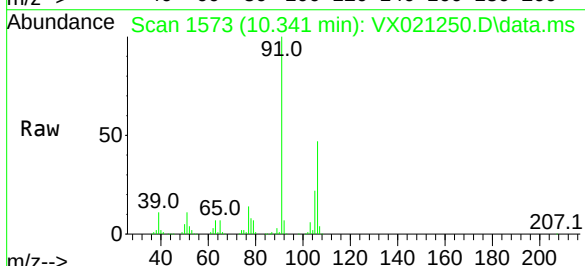
Instrument :
MSVOA_X
ClientSampleId :

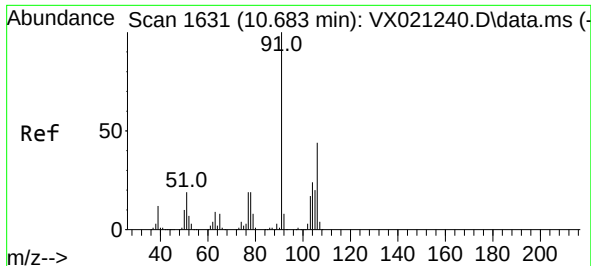
Tgt Ion: 91 Resp: 25405
Ion Ratio Lower Upper
91 100
106 28.6 24.6 37.0



#68
m/p-Xylenes
Concen: 25.42 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Tgt Ion:106 Resp: 38652
Ion Ratio Lower Upper
106 100
91 212.9 162.8 244.2

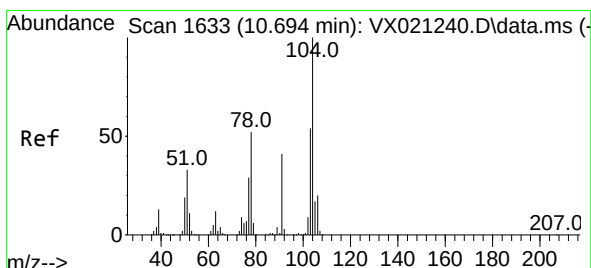
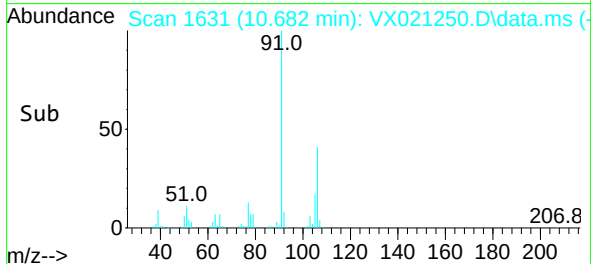
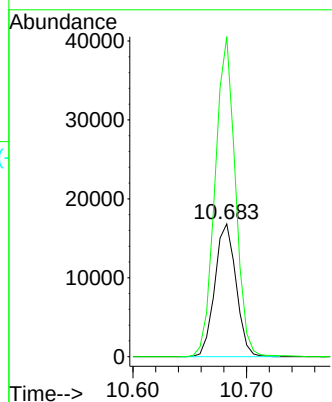
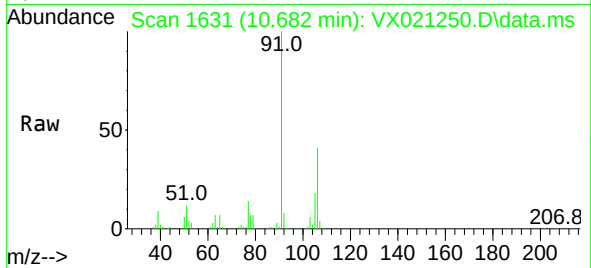




#69
o-Xylene
Concen: 14.80 ug/l
RT: 10.682 min Scan# 1631
Delta R.T. -0.001 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

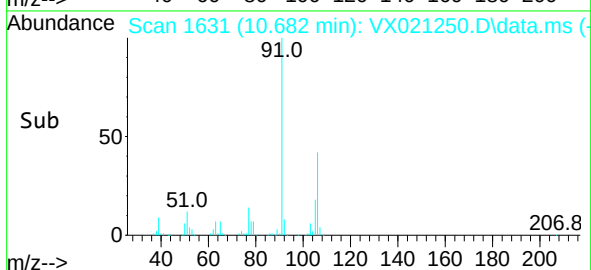
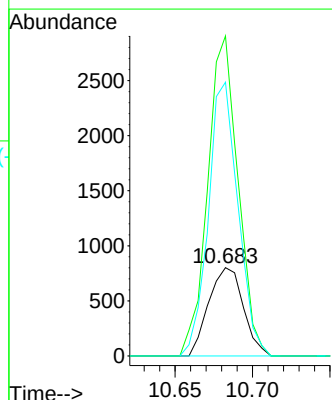
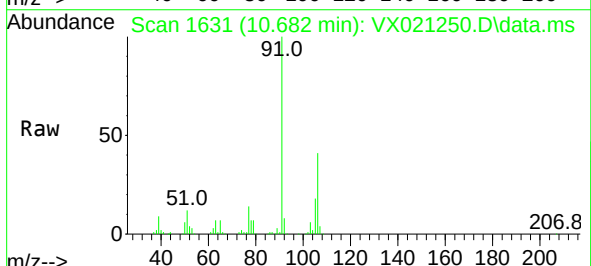
Instrument :
MSVOA_X
ClientSampled :

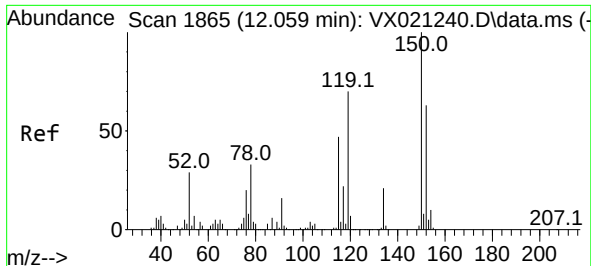
Tgt Ion:106 Resp: 21862
Ion Ratio Lower Upper
106 100
91 231.2 108.1 324.2



#70
Styrene
Concen: 0.50 ug/l
RT: 10.682 min Scan# 1631
Delta R.T. -0.012 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Tgt Ion:104 Resp: 1246
Ion Ratio Lower Upper
104 100
78 316.8 40.0 60.0#
103 266.2 43.4 65.0#

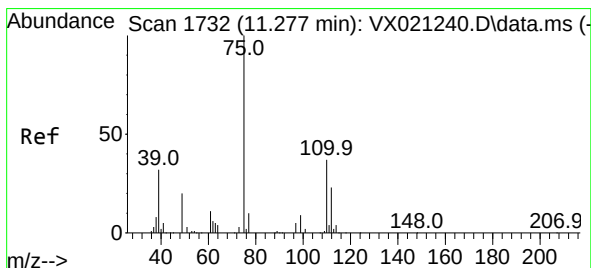
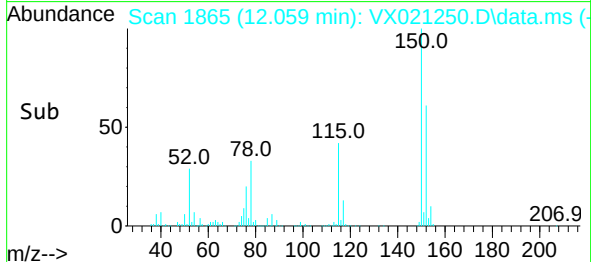
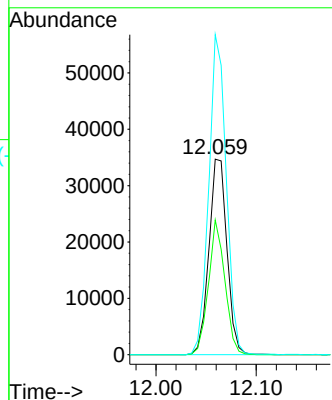
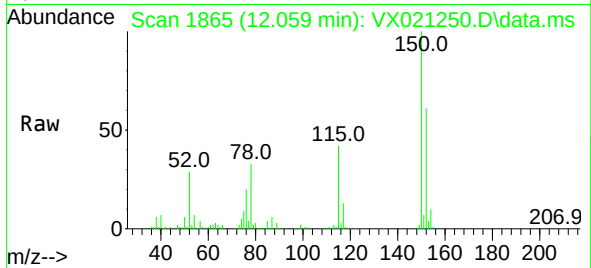




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021250.D
 Acq: 16 Mar 2021 17:36

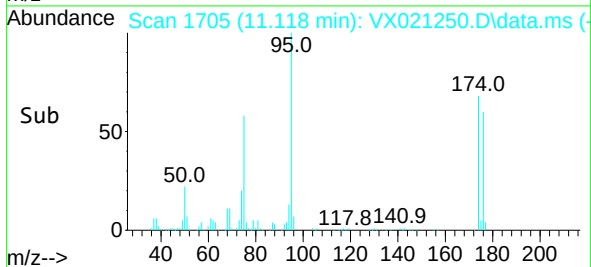
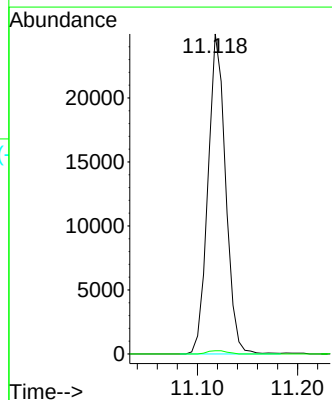
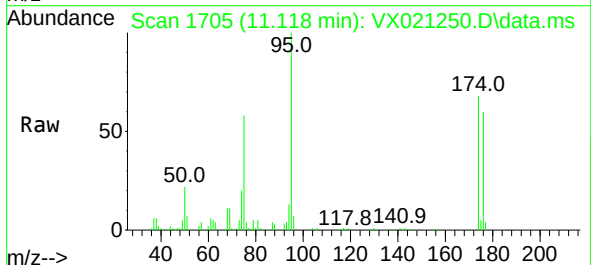
Instrument :
 MSVOA_X
 ClientSampled :

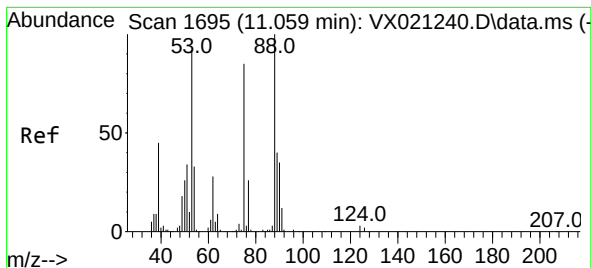
Tgt Ion:152 Resp: 43581
 Ion Ratio Lower Upper
 152 100
 115 62.6 41.1 123.3
 150 158.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 30.30 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021250.D
 Acq: 16 Mar 2021 17:36

Tgt Ion: 75 Resp: 30629
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

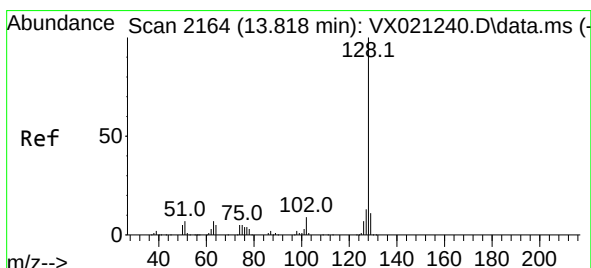
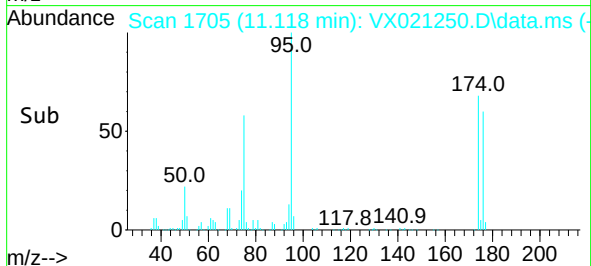
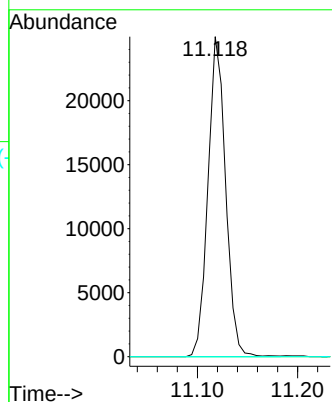
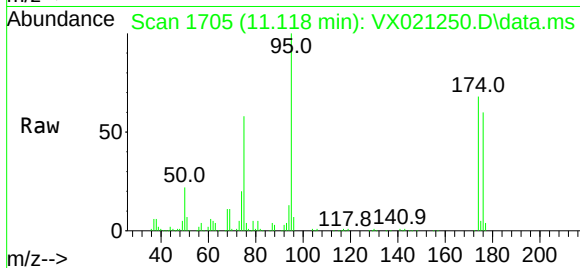




#81
trans-1,4-Dichloro-2-butene
Concen: 82.26 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 30629
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 0.24 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021250.D
Acq: 16 Mar 2021 17:36

Tgt Ion: 128 Resp: 756
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.4 8.8 13.2

