

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032521\
 Data File : VX021519.D
 Acq On : 26 Mar 2021 04:49
 Operator : JC/MD
 Sample : M1777-06 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 26 06:36:34 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)

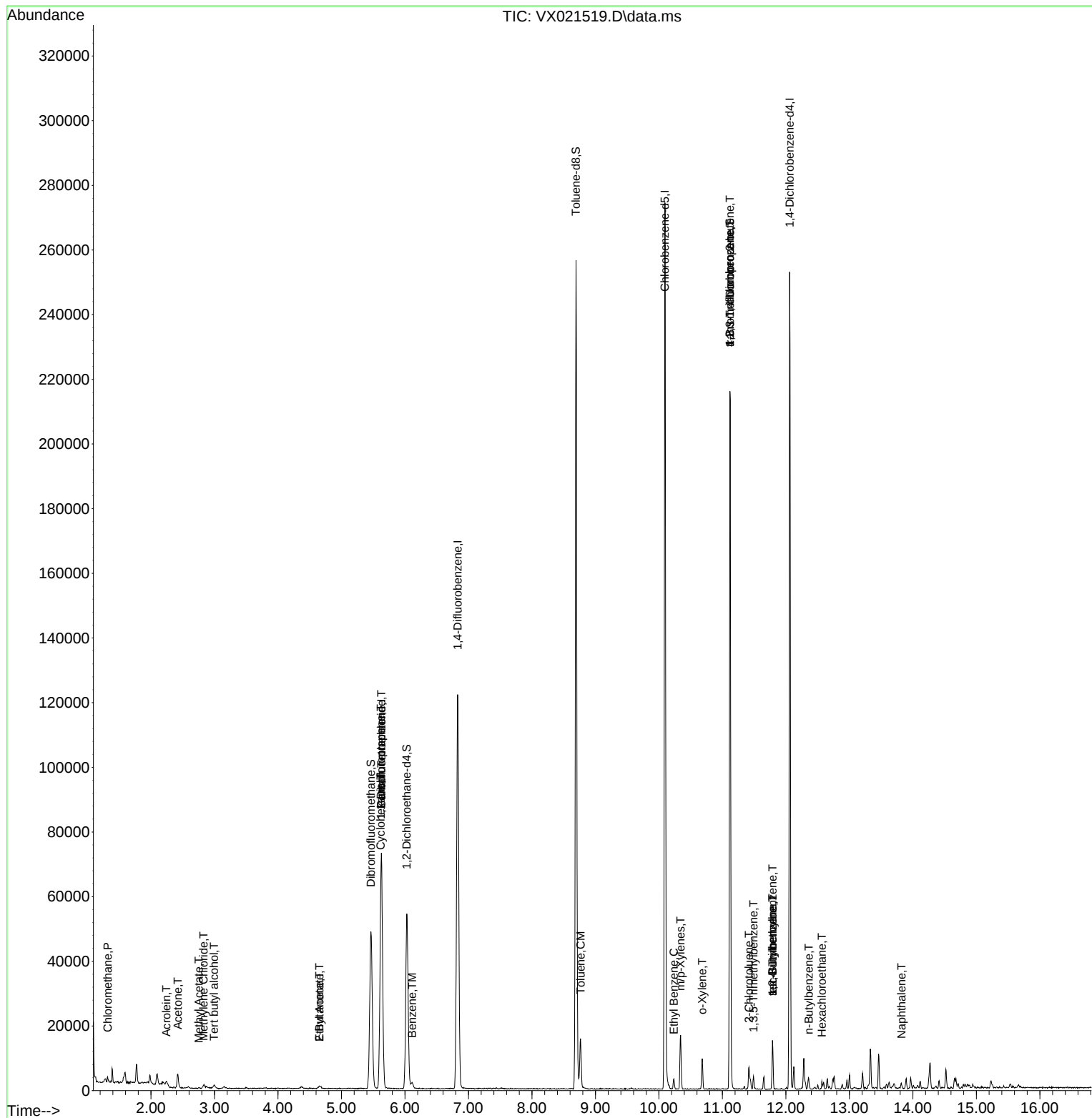
Internal Standards						
1) Pentafluorobenzene	5.629	168	62283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	114149	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	114729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	47640	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	53412	51.54	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.08%			
35) Dibromofluoromethane	5.464	113	40738	50.24	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.48%			
50) Toluene-d8	8.694	98	145099	50.22	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.44%			
62) 4-Bromofluorobenzene	11.118	95	57292	51.00	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.00%			
Target Compounds						Qvalue
3) Chloromethane	1.317	50	2347	3.02	ug/l	97
11) Tert butyl alcohol	2.993	59	736	4.30	ug/l #	73
13) Acrolein	2.240	56	28	4.62	ug/l #	1
16) Acetone	2.423	43	4574	11.67	ug/l	93
18) Methyl Acetate	2.752	43	230	0.20	ug/l #	47
20) Methylene Chloride	2.828	84	272	0.36	ug/l #	65
25) 2-Butanone	4.652	43	444	0.75	ug/l #	45
31) Cyclohexane	5.617	56	1703	1.49	ug/l #	54
36) 1,1-Dichloropropene	5.623	75	5714	5.11	ug/l #	50
37) Ethyl Acetate	4.652	43	444	0.34	ug/l #	64
38) Carbon Tetrachloride	5.629	117	6781	5.64	ug/l #	16
40) Benzene	6.111	78	1921	0.60	ug/l #	85
52) Toluene	8.765	92	5074	2.59	ug/l	97
67) Ethyl Benzene	10.235	91	1711	0.41	ug/l #	86
68) m/p-Xylenes	10.341	106	3608	2.41	ug/l	88
69) o-Xylene	10.682	106	1830	1.26	ug/l	86
76) 1,2,3-Trichloropropane	11.118	75	32053	28.90	ug/l #	38
79) 2-Chlorotoluene	11.418	91	645	0.27	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.488	105	1549	0.54	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.118	75	32053	88.03	ug/l #	12
83) tert-Butylbenzene	11.788	119	784	0.28	ug/l #	47
84) 1,2,4-Trimethylbenzene	11.788	105	5887	2.04	ug/l	100
85) sec-Butylbenzene	11.788	105	5887	1.83	ug/l #	57
89) n-Butylbenzene	12.359	91	594	0.22	ug/l #	30
90) Hexachloroethane	12.565	117	162	0.31	ug/l #	9
95) Naphthalene	13.818	128	1185	0.38	ug/l	97

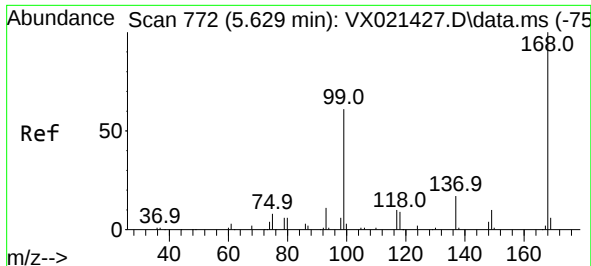
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 26 06:36:34 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

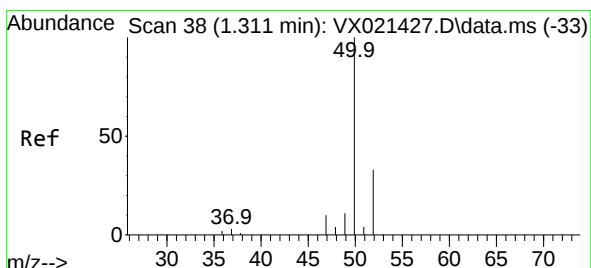
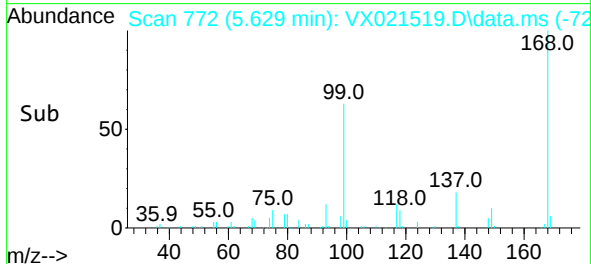
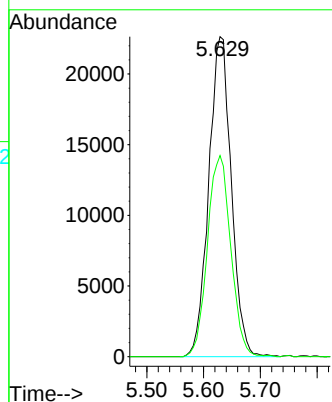
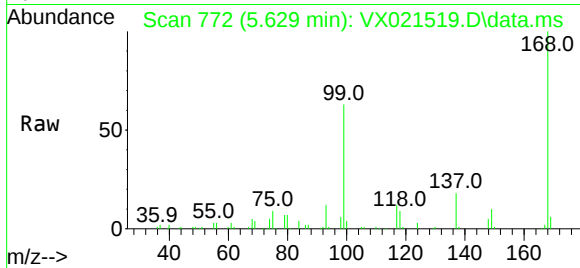




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

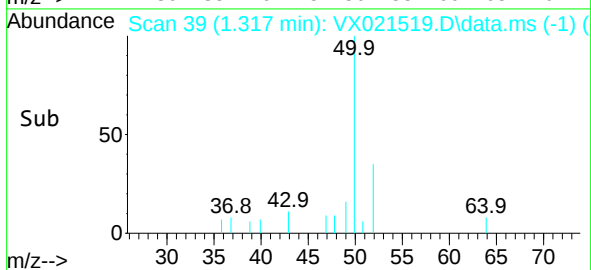
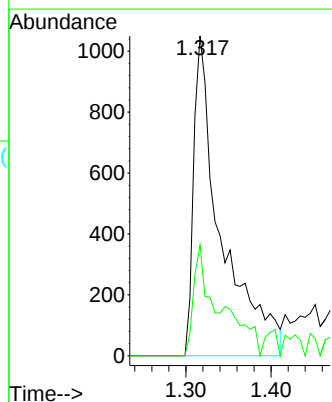
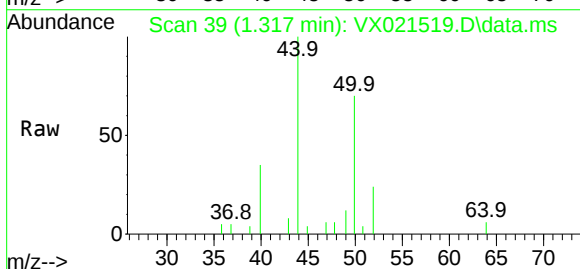
Instrument :
MSVOA_X
ClientSampleId :

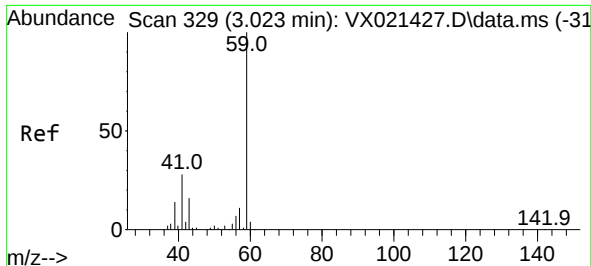
Tgt Ion:168 Resp: 62283
Ion Ratio Lower Upper
168 100
99 62.8 45.8 68.6



#3
Chloromethane
Concen: 3.02 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Tgt Ion: 50 Resp: 2347
Ion Ratio Lower Upper
50 100
52 34.6 26.4 39.6



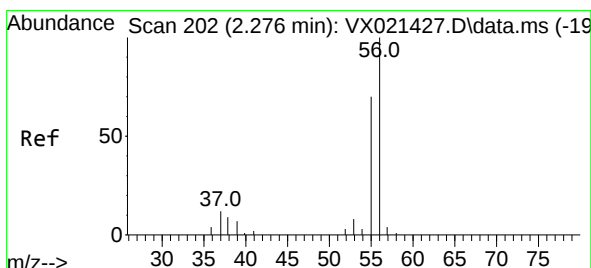
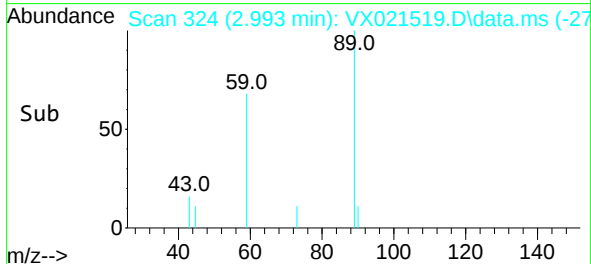
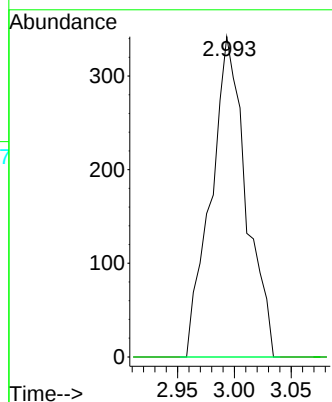
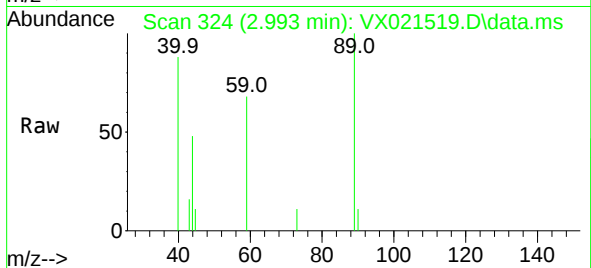


#11

Tert butyl alcohol
Concen: 4.30 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.030 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Instrument :
MSVOA_X
ClientSampled :

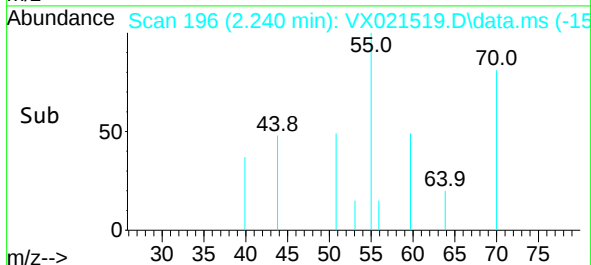
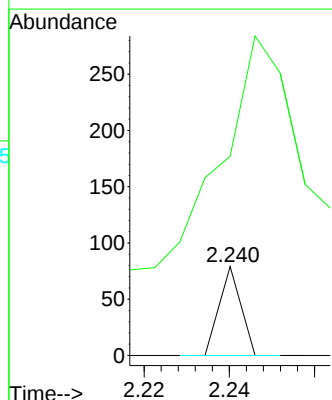
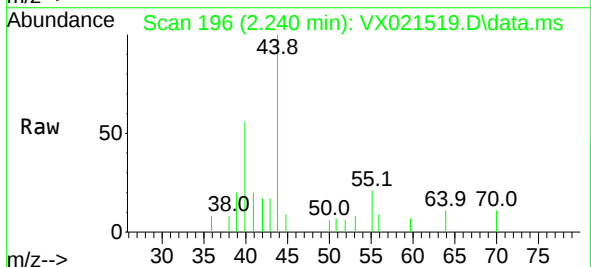
Tgt Ion: 59 Resp: 736
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

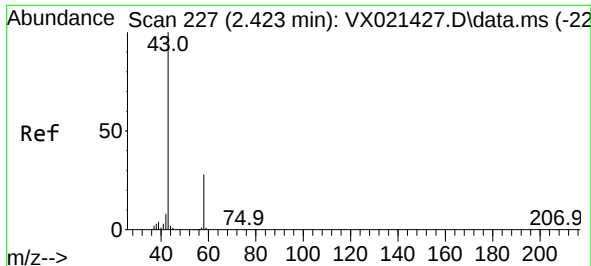


#13

Acrolein
Concen: 4.62 ug/l
RT: 2.240 min Scan# 196
Delta R.T. -0.036 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Tgt Ion: 56 Resp: 28
Ion Ratio Lower Upper
56 100
55 1782.1 56.4 84.6#

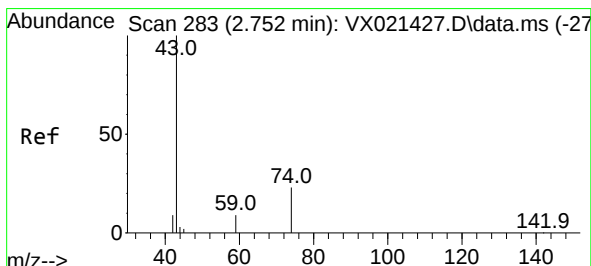
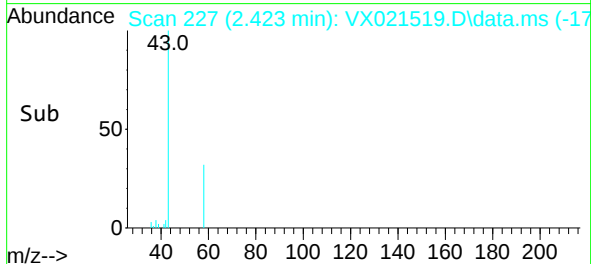
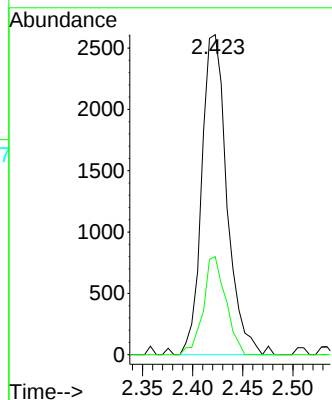
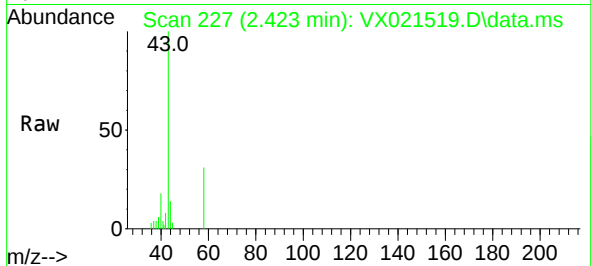




#16
Acetone
Concen: 11.67 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

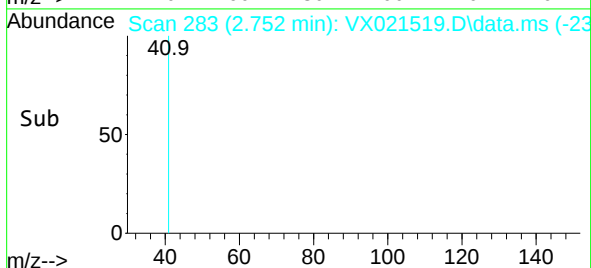
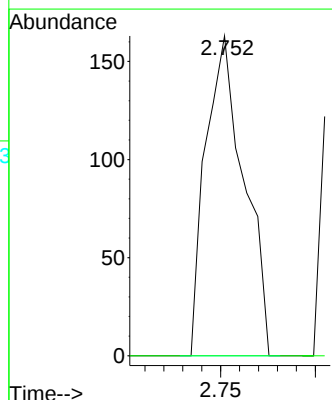
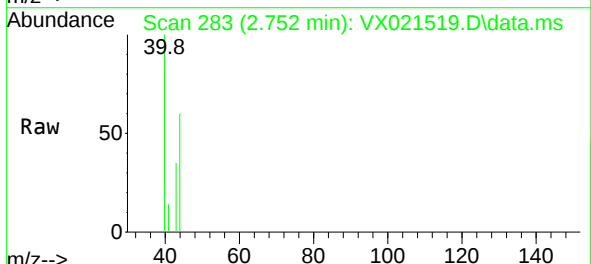
Instrument :
MSVOA_X
ClientSampled :

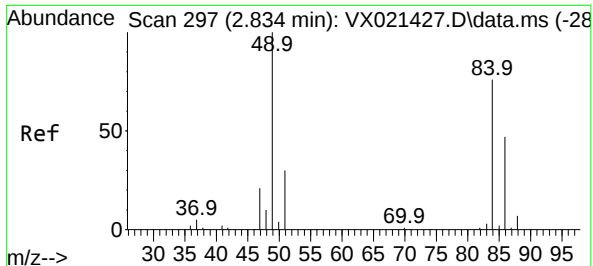
Tgt Ion: 43 Resp: 4574
Ion Ratio Lower Upper
43 100
58 30.7 27.8 41.8



#18
Methyl Acetate
Concen: 0.20 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Tgt Ion: 43 Resp: 230
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.36 ug/l

RT: 2.828 min Scan# 296

Delta R.T. -0.006 min

Lab File: VX021519.D

Acq: 26 Mar 2021 04:49

Tgt Ion: 84 Resp: 272

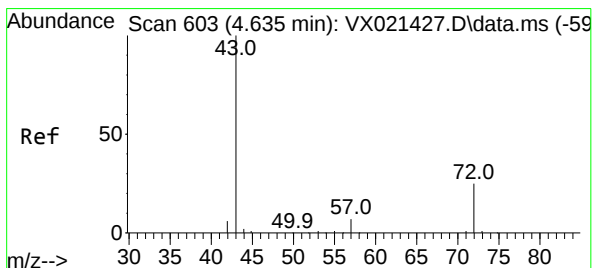
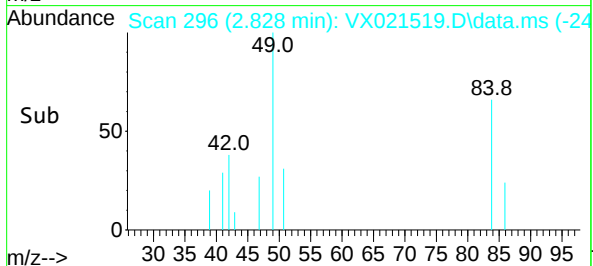
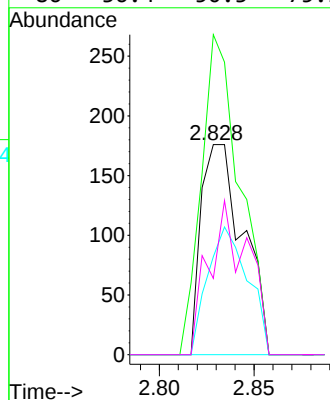
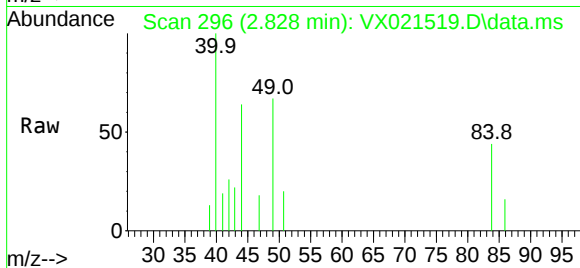
Ion Ratio Lower Upper

84 100

49 152.3 88.6 132.8#

51 46.6 27.0 40.6#

86 36.4 50.3 75.5#



#25

2-Butanone

Concen: 0.75 ug/l

RT: 4.652 min Scan# 606

Delta R.T. 0.017 min

Lab File: VX021519.D

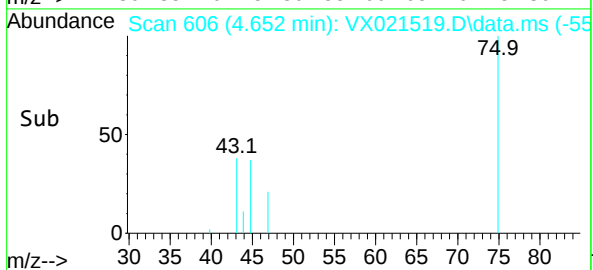
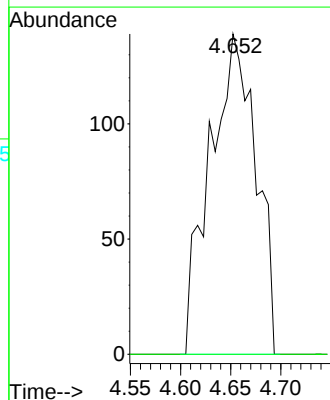
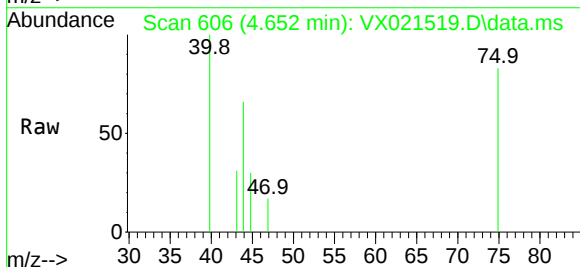
Acq: 26 Mar 2021 04:49

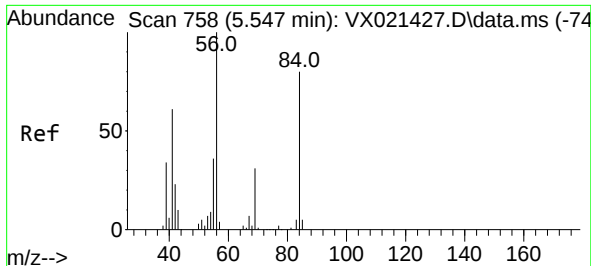
Tgt Ion: 43 Resp: 444

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#

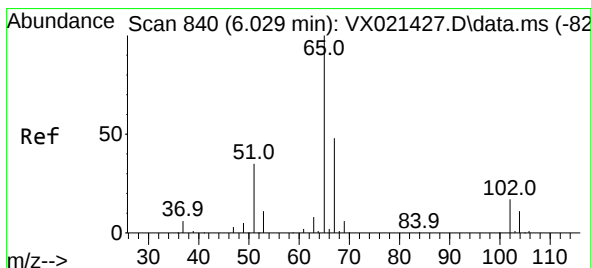
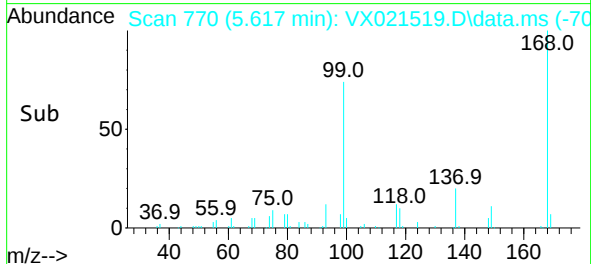
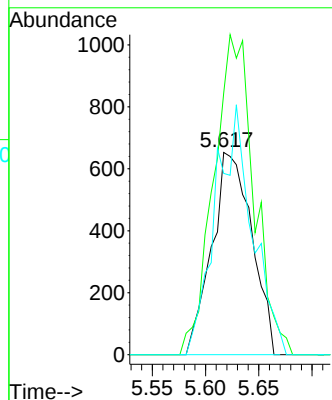
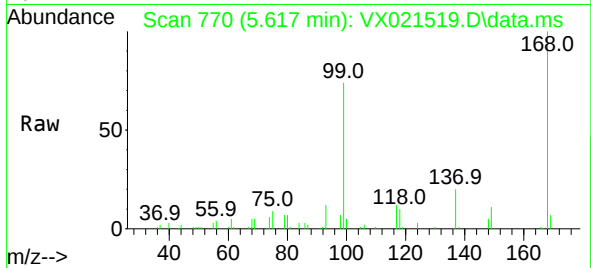




#31
Cyclohexane
Concen: 1.49 ug/l
RT: 5.617 min Scan# 770
Delta R.T. 0.070 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

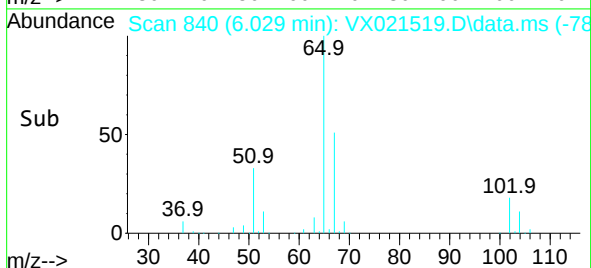
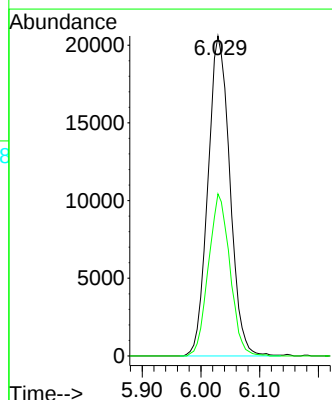
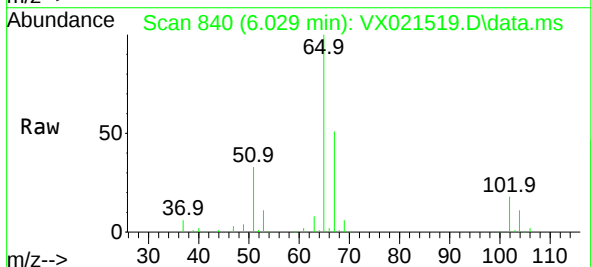
Instrument :
MSVOA_X
ClientSampled :

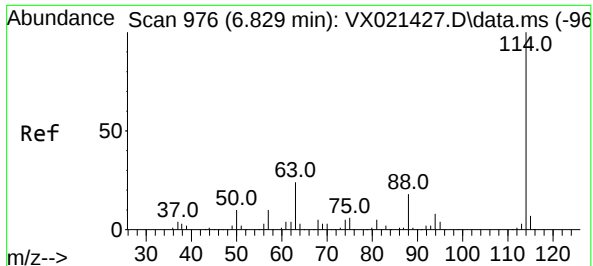
Tgt Ion: 56 Resp: 1703
Ion Ratio Lower Upper
56 100
69 129.4 25.3 37.9#
84 89.6 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.54 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Tgt Ion: 65 Resp: 53412
Ion Ratio Lower Upper
65 100
67 49.5 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: VX021519.D

Acq: 26 Mar 2021 04:49

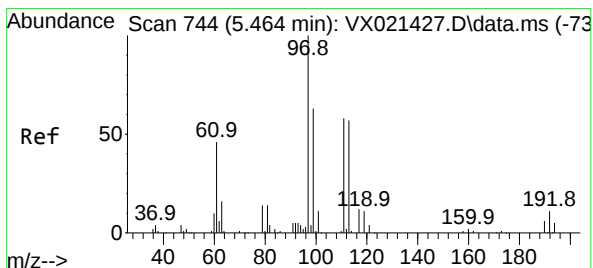
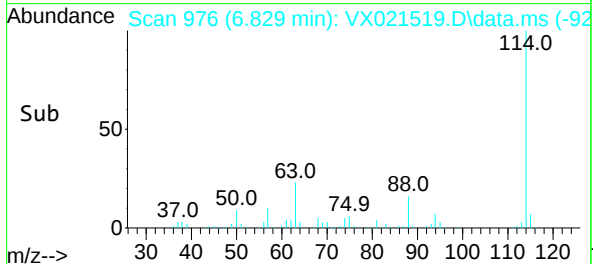
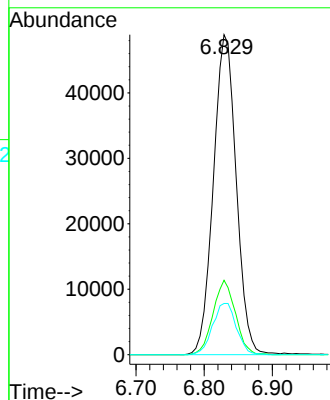
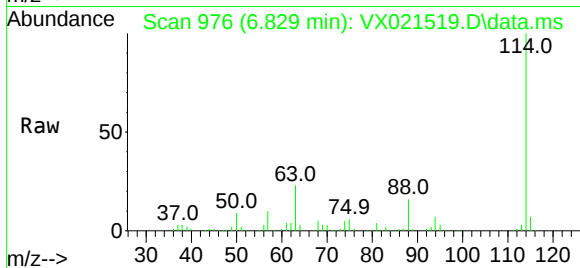
Tgt Ion:114 Resp: 114149

Ion Ratio Lower Upper

114 100

63 23.3 0.0 40.8

88 16.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.24 ug/l

RT: 5.464 min Scan# 744

Delta R.T. 0.000 min

Lab File: VX021519.D

Acq: 26 Mar 2021 04:49

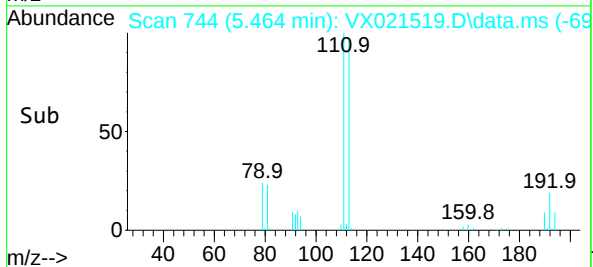
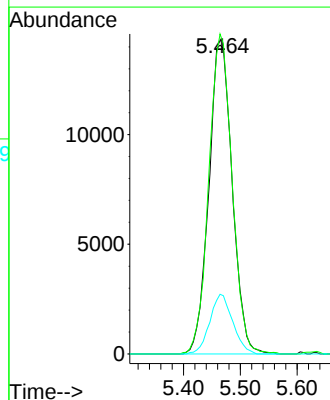
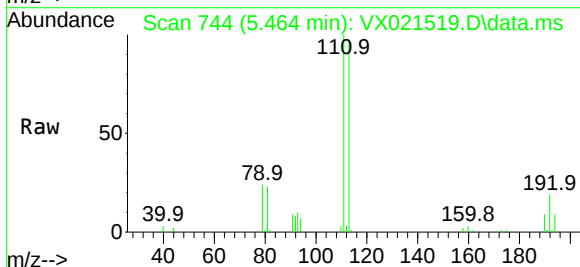
Tgt Ion:113 Resp: 40738

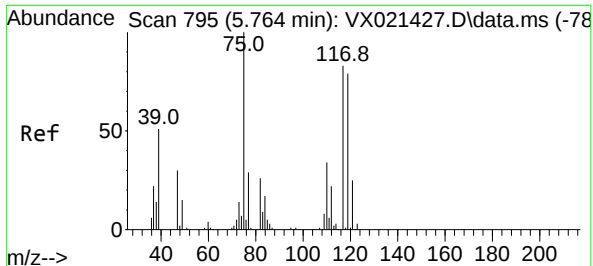
Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 18.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.11 ug/l

RT: 5.623 min Scan# 771

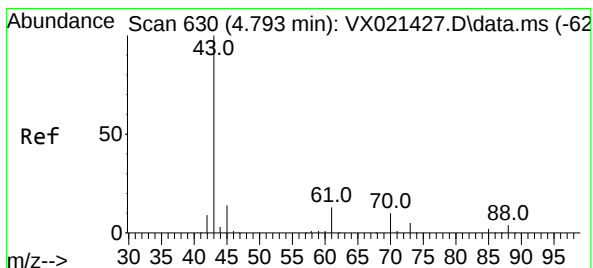
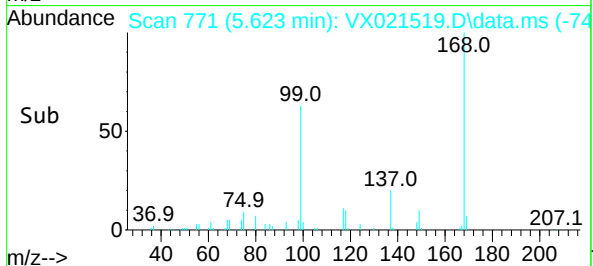
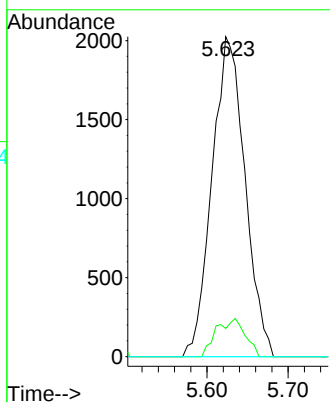
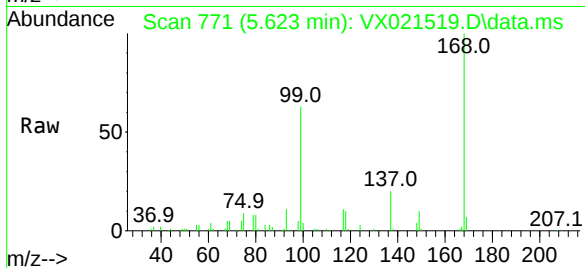
Delta R.T. -0.141 min

Lab File: VX021519.D

Acq: 26 Mar 2021 04:49

Tgt Ion:	75	Resp:	5714
Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :



#37

Ethyl Acetate

Concen: 0.34 ug/l

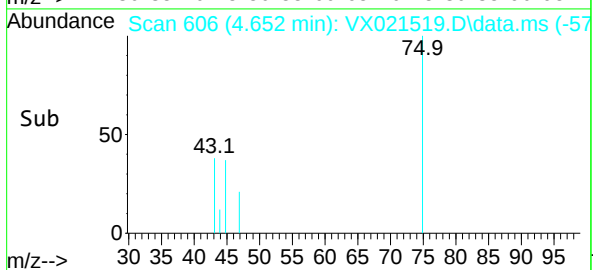
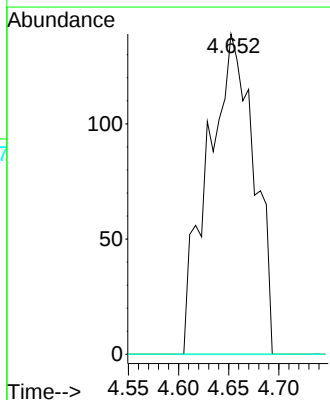
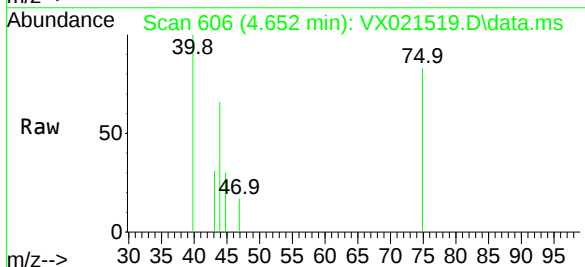
RT: 4.652 min Scan# 606

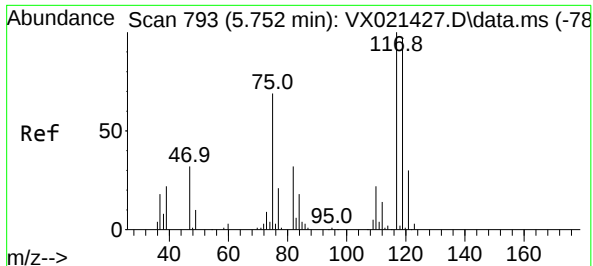
Delta R.T. -0.141 min

Lab File: VX021519.D

Acq: 26 Mar 2021 04:49

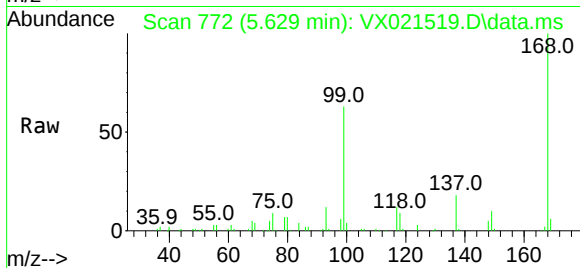
Tgt Ion:	43	Resp:	444
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



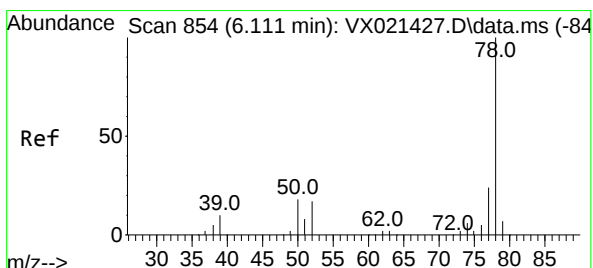
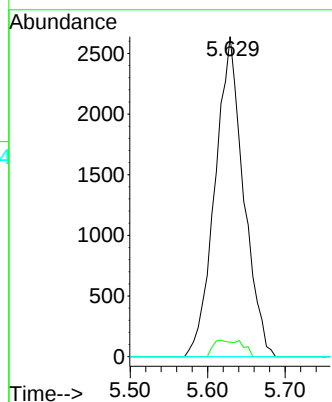
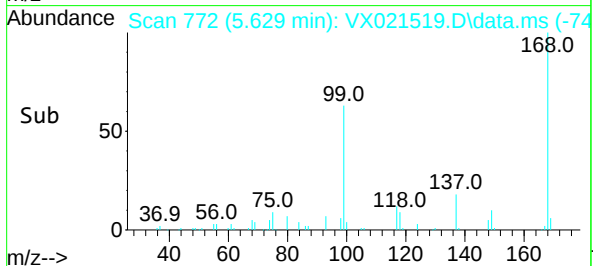


#38
Carbon Tetrachloride
Concen: 5.64 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

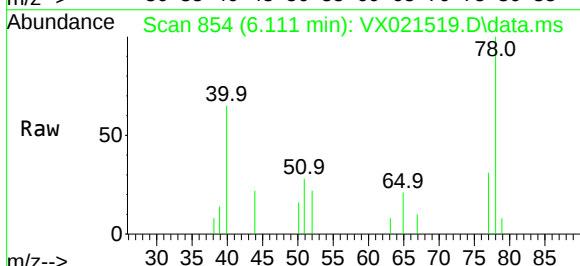
Instrument :
MSVOA_X
ClientSampled :



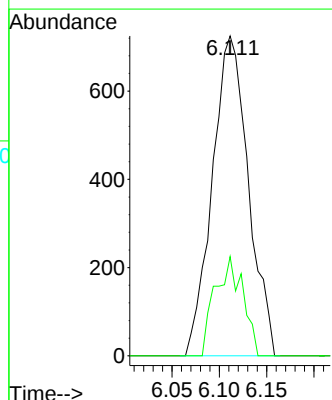
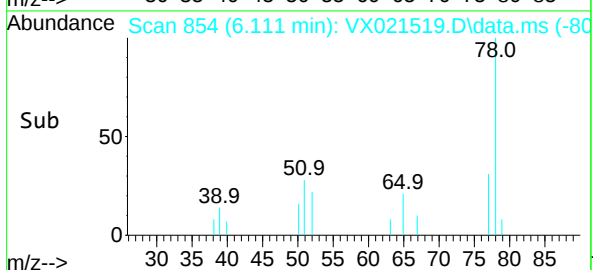
Tgt Ion:117 Resp: 6781
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#

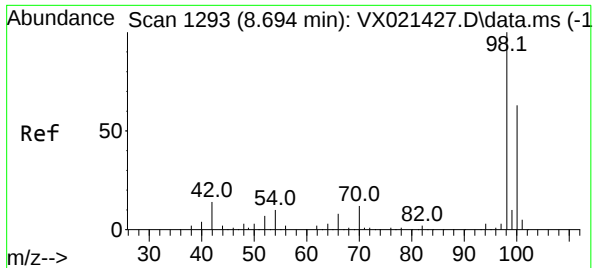


#40
Benzene
Concen: 0.60 ug/l
RT: 6.111 min Scan# 854
Delta R.T. 0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49



Tgt Ion: 78 Resp: 1921
Ion Ratio Lower Upper
78 100
77 31.0 18.9 28.3#

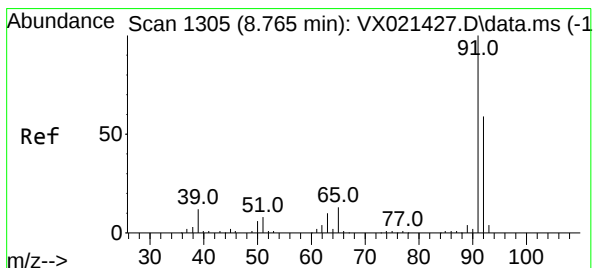
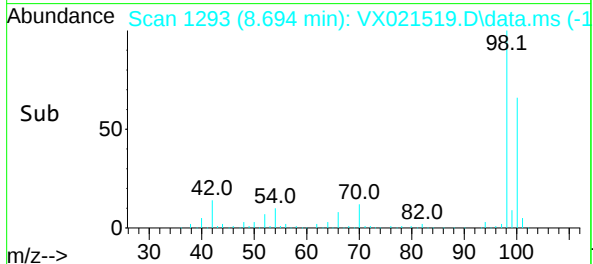
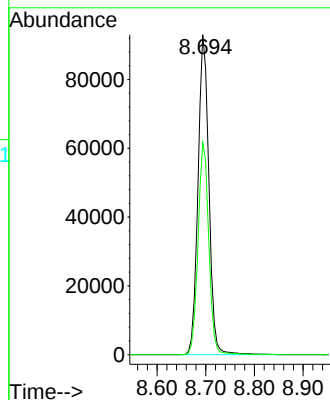
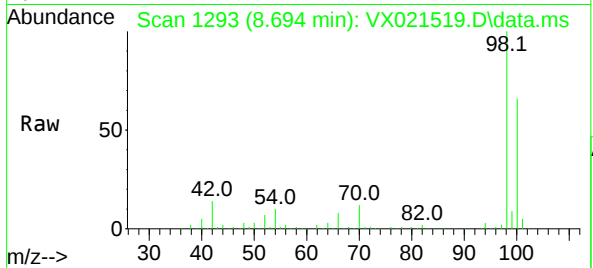




#50
Toluene-d8
Concen: 50.22 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

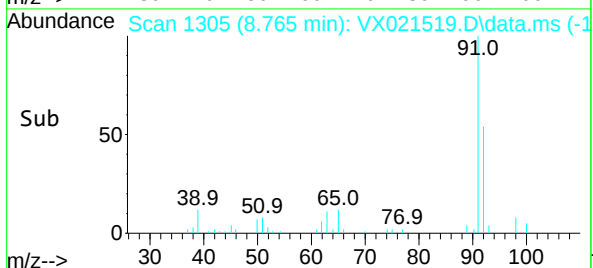
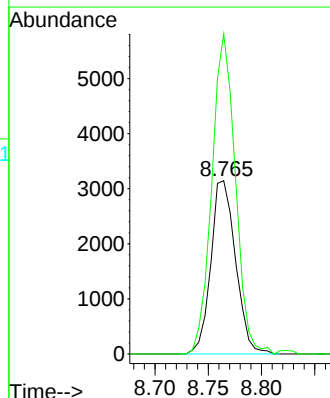
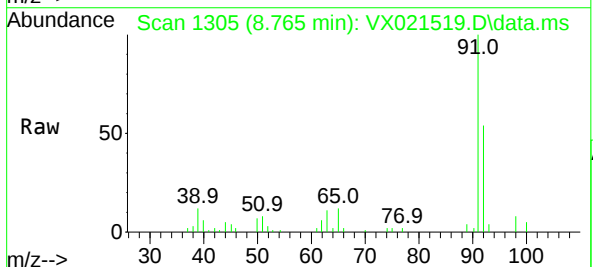
Instrument :
MSVOA_X
ClientSampled :

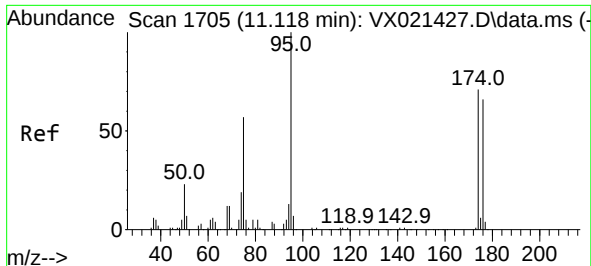
Tgt Ion: 98 Resp: 145099
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



#52
Toluene
Concen: 2.59 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Tgt Ion: 92 Resp: 5074
Ion Ratio Lower Upper
92 100
91 175.6 137.1 205.7

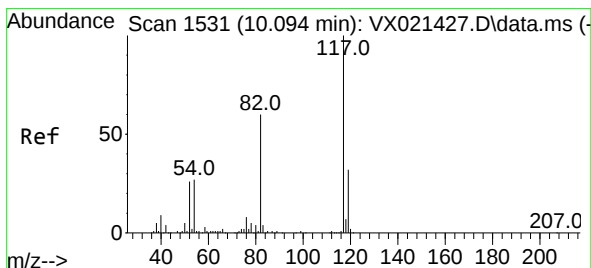
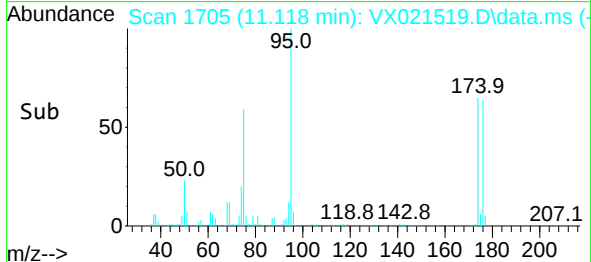
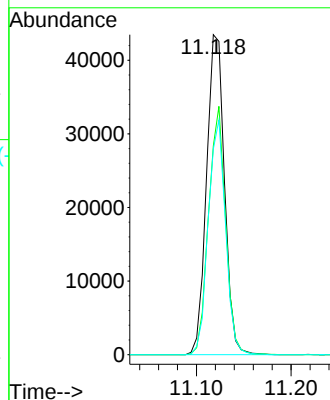
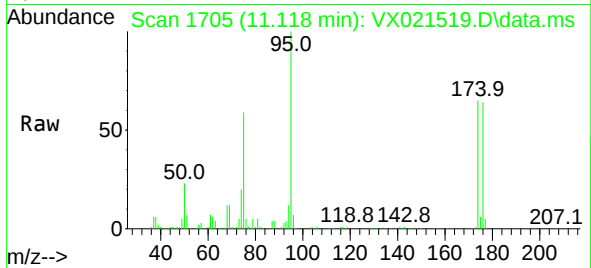




#62
4-Bromofluorobenzene
Concen: 51.00 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

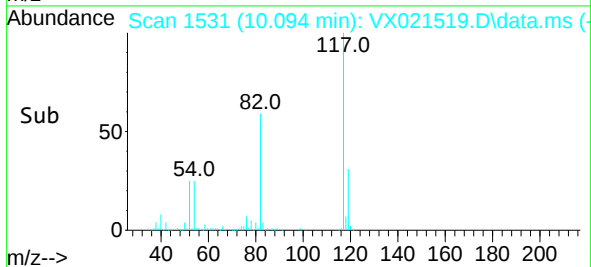
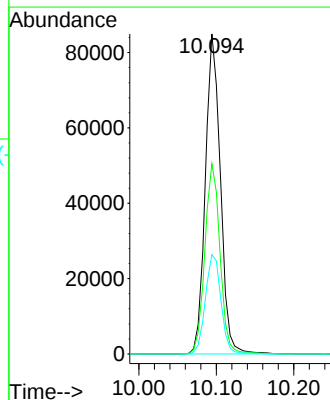
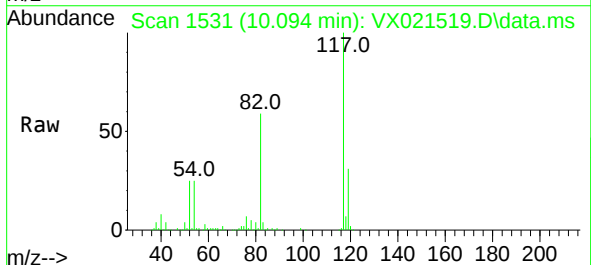
Instrument :
MSVOA_X
ClientSampleId :

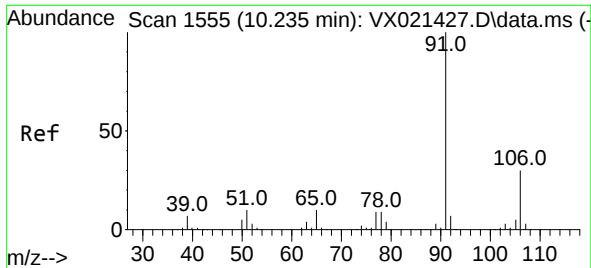
Tgt Ion: 95 Resp: 57292
Ion Ratio Lower Upper
95 100
174 73.4 0.0 154.6
176 70.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Tgt Ion: 117 Resp: 114729
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 31.1 26.6 39.8

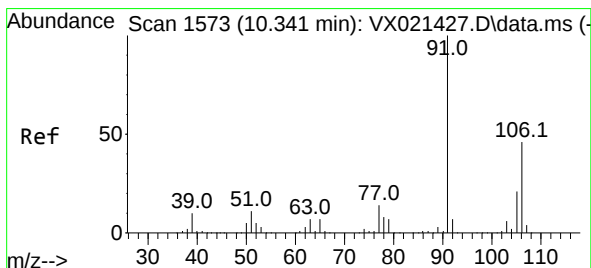
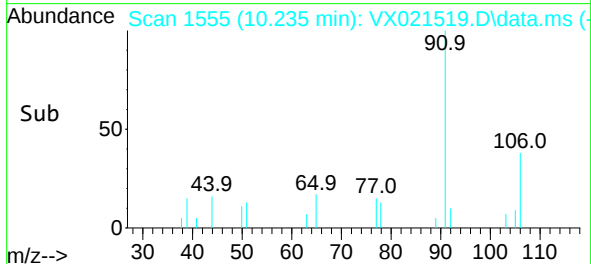
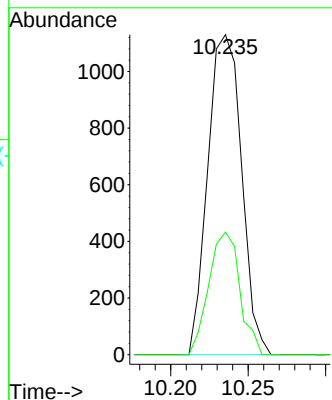
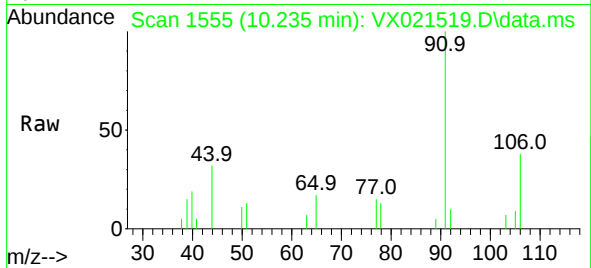




#67
Ethyl Benzene
Concen: 0.41 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

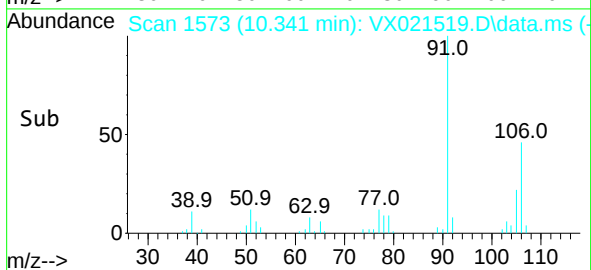
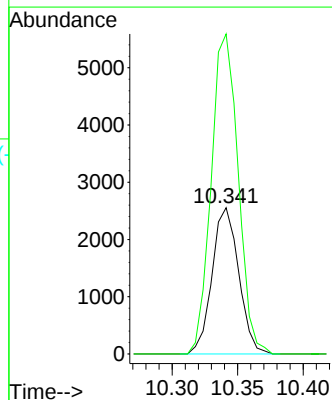
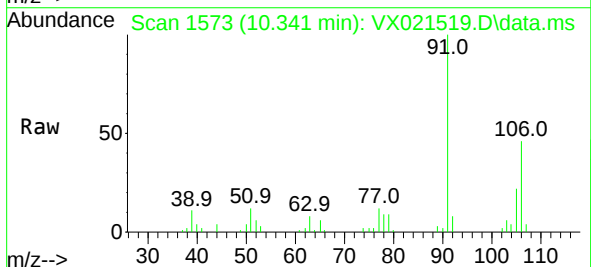
Instrument :
MSVOA_X
ClientSampled :

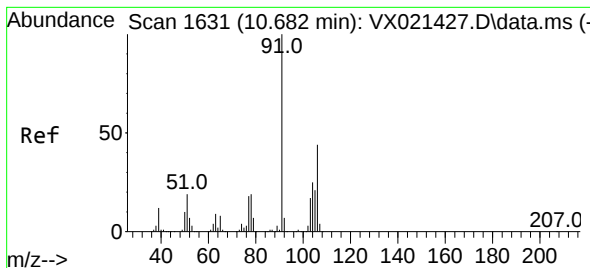
Tgt Ion: 91 Resp: 1711
Ion Ratio Lower Upper
91 100
106 38.3 24.6 37.0#



#68
m/p-Xylenes
Concen: 2.41 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Tgt Ion: 106 Resp: 3608
Ion Ratio Lower Upper
106 100
91 221.4 162.8 244.2

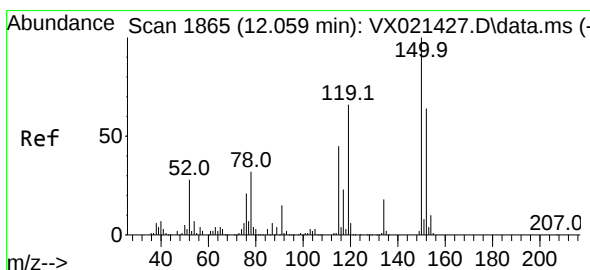
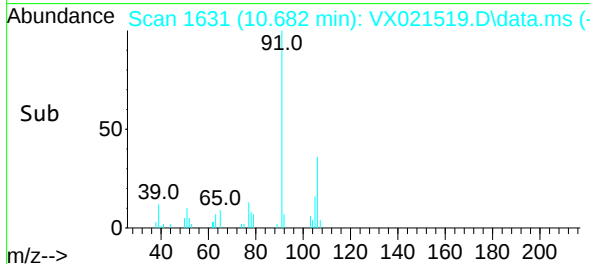
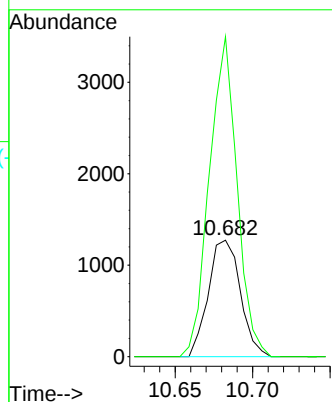
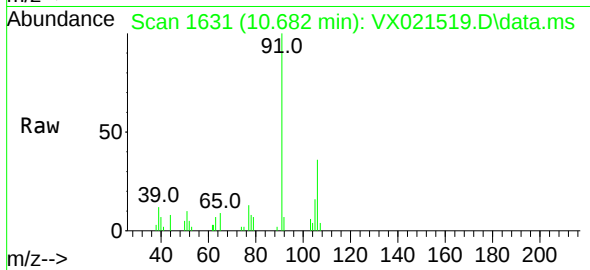




#69
o-Xylene
Concen: 1.26 ug/l
RT: 10.682 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

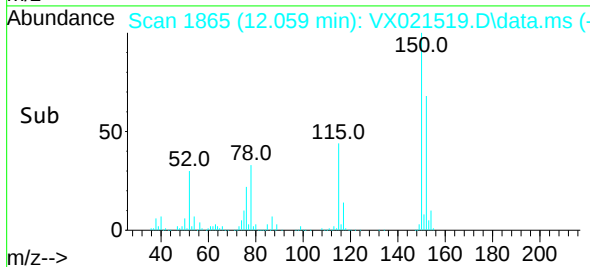
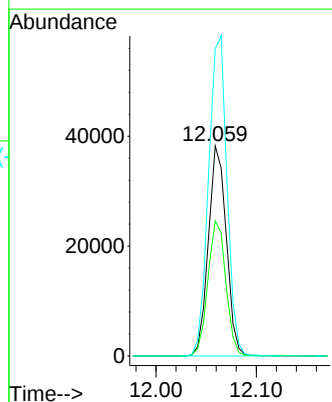
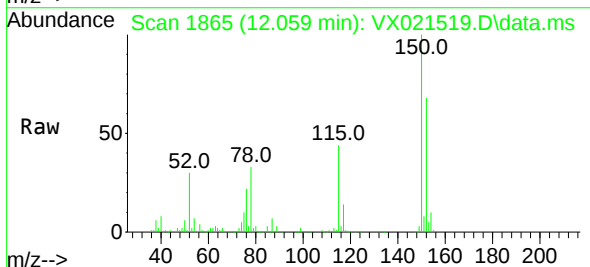
Instrument :
MSVOA_X
ClientSampled :

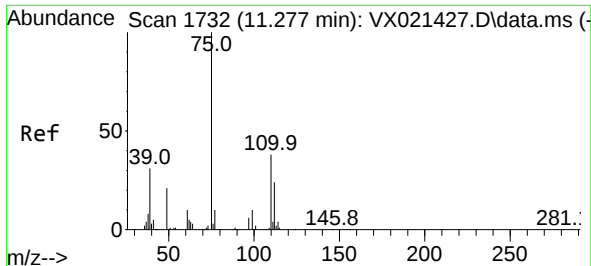
Tgt Ion:106 Resp: 1830
Ion Ratio Lower Upper
106 100
91 237.9 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Tgt Ion:152 Resp: 47640
Ion Ratio Lower Upper
152 100
115 64.4 41.1 123.3
150 156.3 0.0 349.0

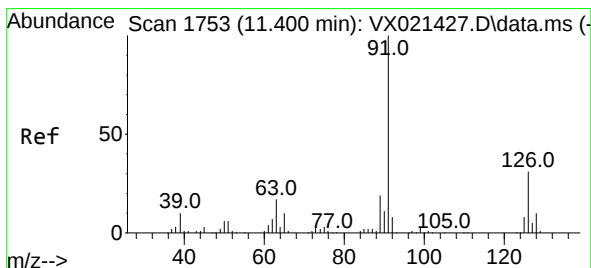
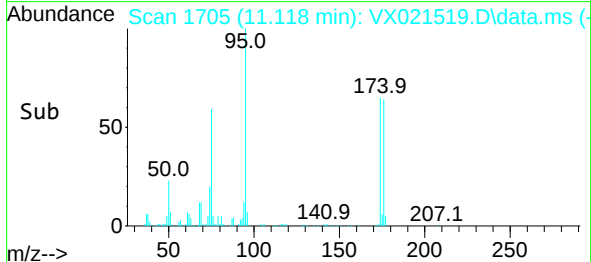
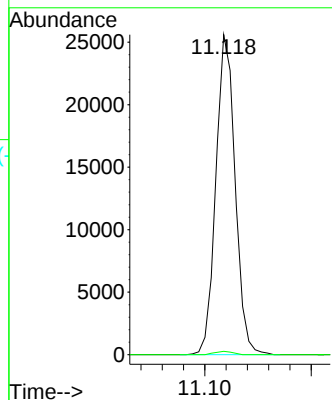
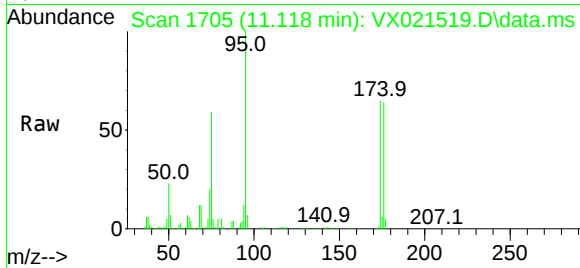




#76
1,2,3-Trichloropropane
Concen: 28.90 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

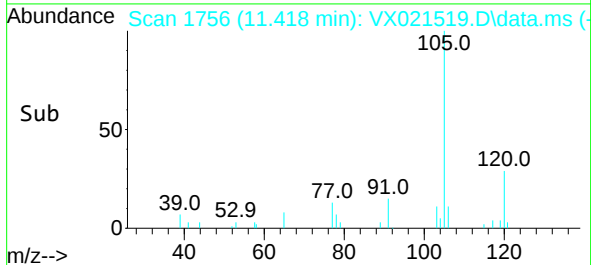
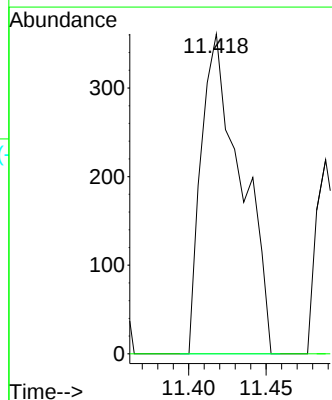
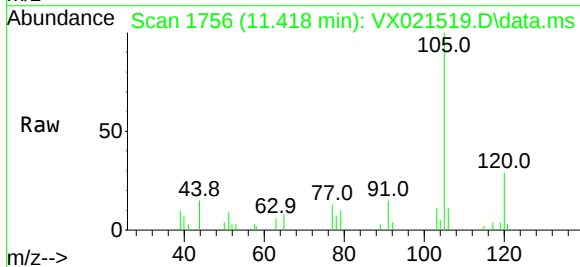
Instrument :
MSVOA_X
ClientSampled :

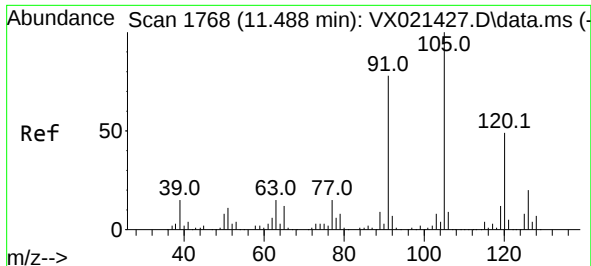
Tgt Ion: 75 Resp: 32053
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#79
2-Chlorotoluene
Concen: 0.27 ug/l
RT: 11.418 min Scan# 1756
Delta R.T. 0.018 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Tgt Ion: 91 Resp: 645
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#

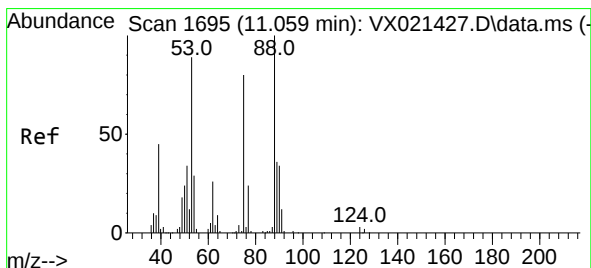
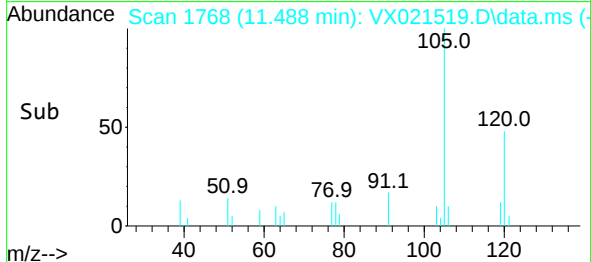
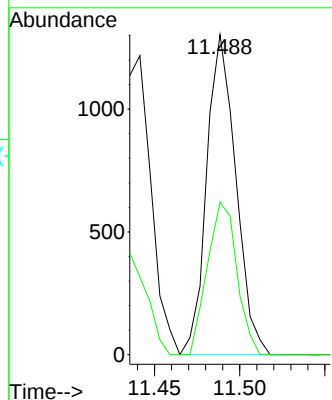
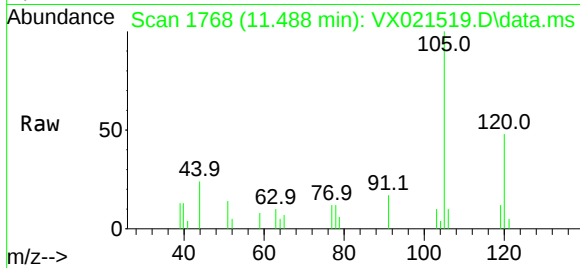




#80
1,3,5-Trimethylbenzene
Concen: 0.54 ug/l
RT: 11.488 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

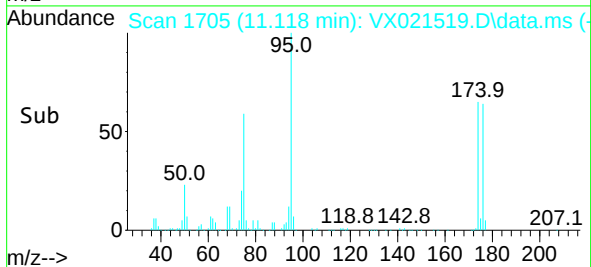
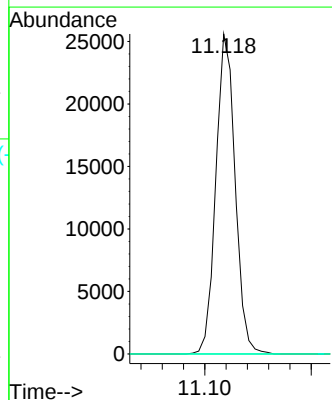
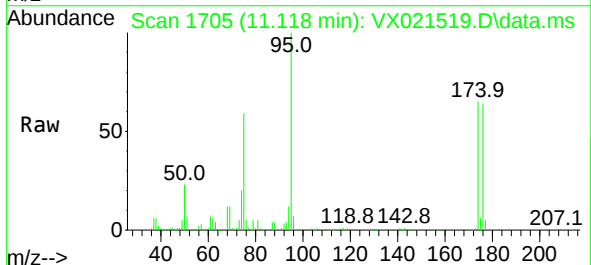
Instrument :
MSVOA_X
ClientSampleId :

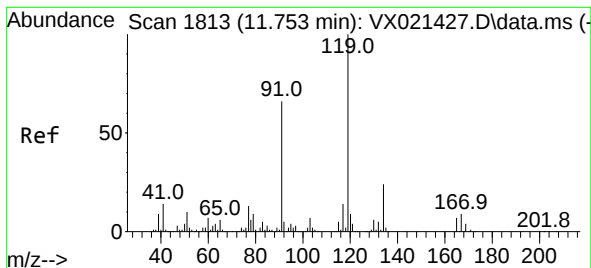
Tgt Ion:105 Resp: 1549
Ion Ratio Lower Upper
105 100
120 48.4 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 88.03 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Tgt Ion: 75 Resp: 32053
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

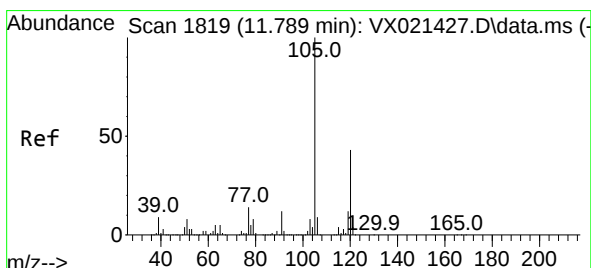
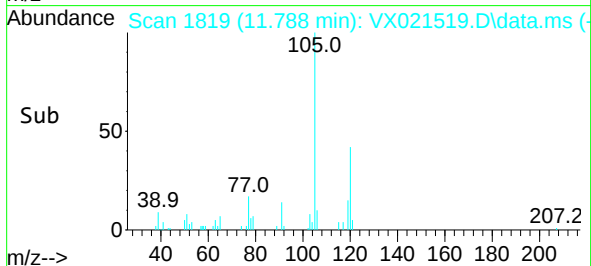
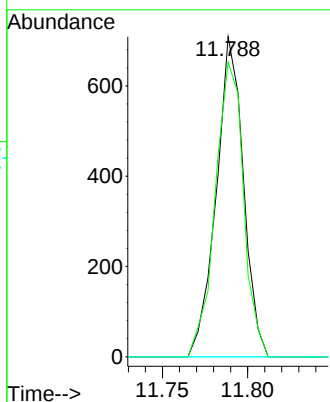
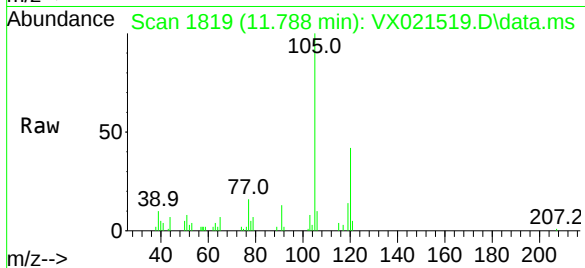




#83
tert-Butylbenzene
Concen: 0.28 ug/l
RT: 11.788 min Scan# 1819
Delta R.T. 0.035 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

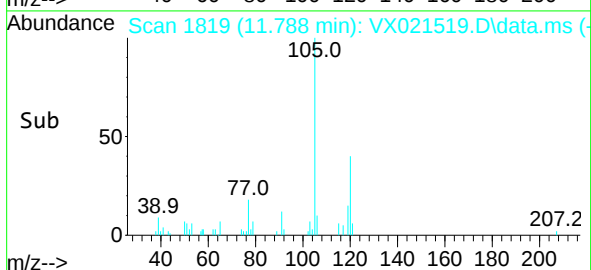
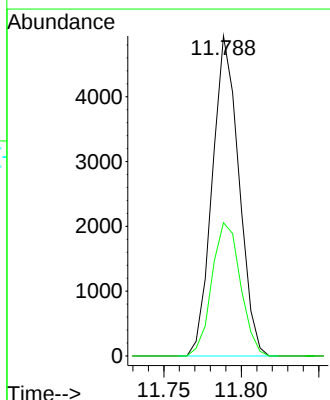
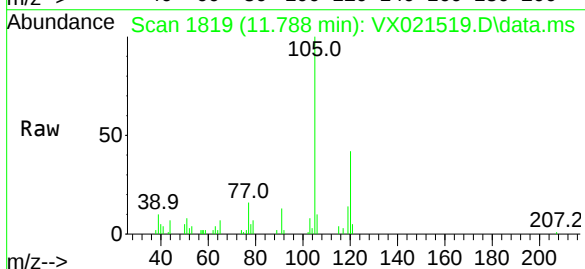
Instrument :
MSVOA_X
ClientSampleId :

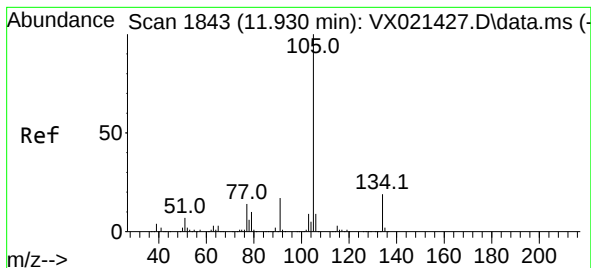
Tgt Ion:119 Resp: 784
Ion Ratio Lower Upper
119 100
91 96.2 27.9 83.7#
134 0.0 11.3 33.9#



#84
1,2,4-Trimethylbenzene
Concen: 2.04 ug/l
RT: 11.788 min Scan# 1819
Delta R.T. -0.001 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Tgt Ion:105 Resp: 5887
Ion Ratio Lower Upper
105 100
120 44.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 1.83 ug/l

RT: 11.788 min Scan# 1819

Delta R.T. -0.142 min

Lab File: VX021519.D

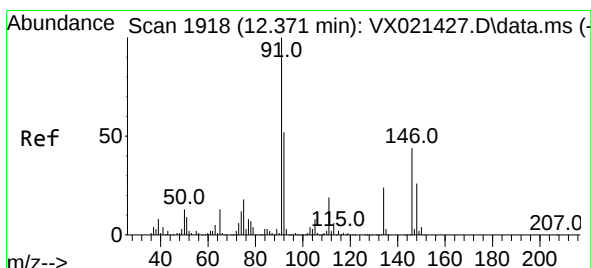
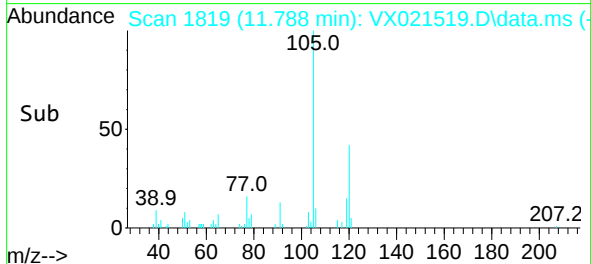
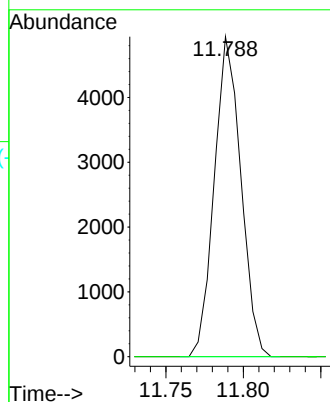
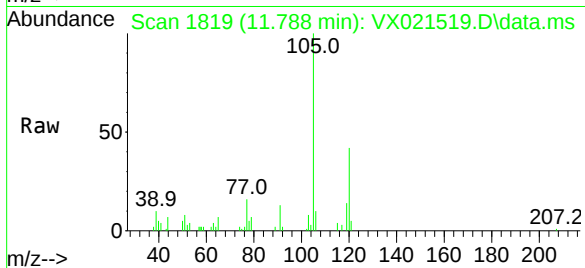
Acq: 26 Mar 2021 04:49

Tgt Ion:105 Resp: 5887

Ion Ratio Lower Upper

105 100

134 0.0 10.0 29.8#



#89

n-Butylbenzene

Concen: 0.22 ug/l

RT: 12.359 min Scan# 1916

Delta R.T. -0.012 min

Lab File: VX021519.D

Acq: 26 Mar 2021 04:49

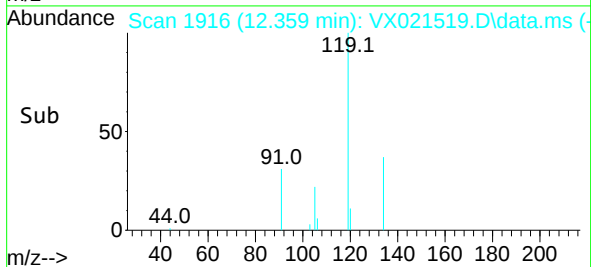
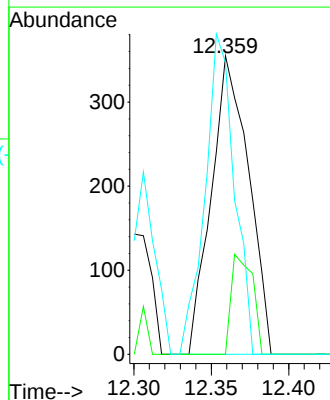
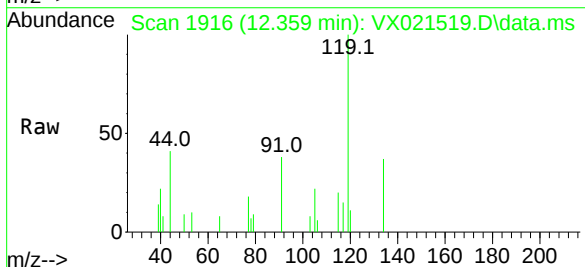
Tgt Ion: 91 Resp: 594

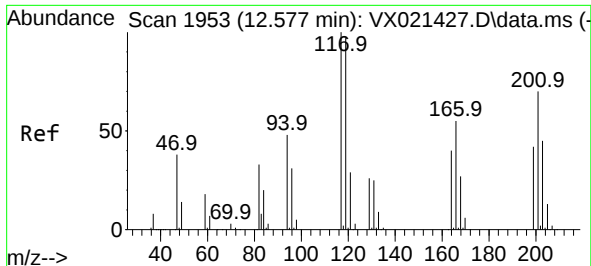
Ion Ratio Lower Upper

91 100

92 19.0 27.4 82.0#

134 84.5 13.2 39.5#

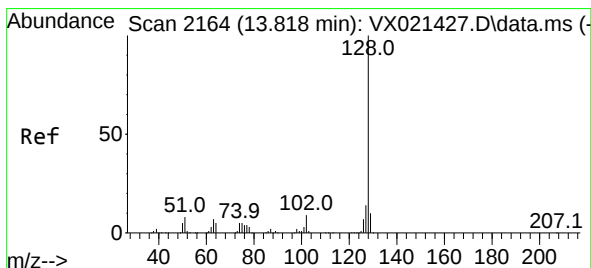
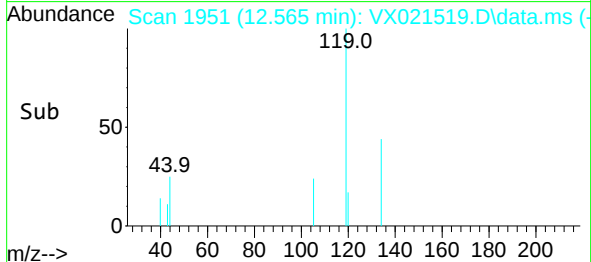
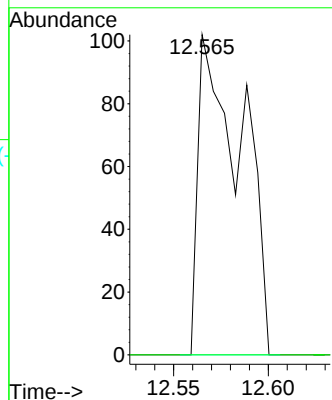
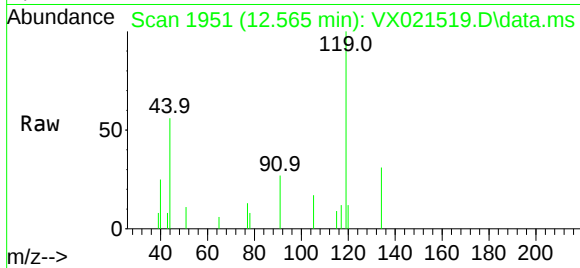




#90
Hexachloroethane
Concen: 0.31 ug/l
RT: 12.565 min Scan# 1951
Delta R.T. -0.012 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:117 Resp: 162
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 0.38 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021519.D
Acq: 26 Mar 2021 04:49

Tgt Ion:128 Resp: 1185
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 13.1 8.8 13.2

