

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036584.D
 Acq On : 31 Mar 2021 00:31
 Operator : SY/AP
 Sample : M1797-09 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 05:18:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

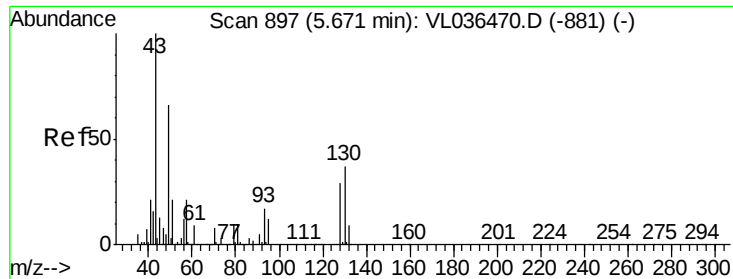
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1418905	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3170834	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2858861	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2353029	10.33	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	32826	0.142	ppbv	92
3) Chlorodifluoromethane	2.97	51	29732	0.112	ppbv	98
4) Chloromethane	3.12	50	9670	0.103	ppbv	93
7) Chloroethane	3.54	64	924	0.028	ppbv #	42
9) Propene	3.00	41	10294	0.122	ppbv #	1
10) Heptane	8.10	43	12854	0.060	ppbv #	28
11) Trichlorofluoromethane	3.94	101	61662	0.261	ppbv	89
13) Ethanol	3.59	45	1324851	131.640	ppbv	91
15) Acetone	3.84	43	1883265	13.485	ppbv	99
16) 1,3-Butadiene	3.30	39	10588	0.109	ppbv #	56
17) tert-Butyl alcohol	4.29	59	23117	0.190	ppbv #	81
19) Isopropyl Alcohol	3.96	45	89092	1.160	ppbv #	1
20) Methylene Chloride	4.33	84	127930	1.957	ppbv	93
23) Vinyl Acetate	5.05	43	54088	0.226	ppbv #	74
25) Ethyl Acetate	5.67	43	181348	0.546	ppbv #	80
26) Hexane	5.67	57	224835	1.459	ppbv #	46
27) Carbon Disulfide	4.54	76	83367	0.549	ppbv #	85
29) Chloroform	5.73	83	52717	0.214	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	138168	0.556	ppbv	94
34) 2-Butanone	5.23	43	108709	0.702	ppbv	98
35) Carbon Tetrachloride	7.00	117	5281	0.022	ppbv #	66
36) Benzene	6.87	78	61652	0.211	ppbv	99
37) 1,2-Dichloroethane	6.29	62	3616	0.021	ppbv #	35
39) 1,2-Dichloropropane	7.16	63	863804	7.282	ppbv #	23
40) 1,4-Dioxane	7.81	88	706	0.026	ppbv #	1
41) Tetrahydrofuran	6.03	42	2223	0.031	ppbv #	41
52) Tetrachloroethene	11.20	164	242955	2.256	ppbv	94
53) Toluene	9.79	91	92464	0.297	ppbv	98
59) m/p-Xylene	12.99	91	11164	0.031	ppbv #	32
60) o-Xylene	13.67	91	13284	0.038	ppbv #	1
66) Benzyl Chloride	16.96	91	915	0.020	ppbv #	1
69) p-Isopropyltoluene	17.63	119	29017	0.064	ppbv #	46
70) n-Butylbenzene	18.54	91	56233	0.120	ppbv #	87
74) 1,2,4-Trimethylbenzene	16.74	105	41098	0.107	ppbv #	58
77) 1,2-Dichlorobenzene	17.79	146	4910	0.024	ppbv #	21

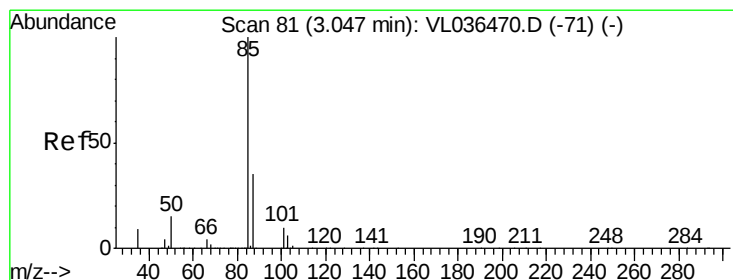
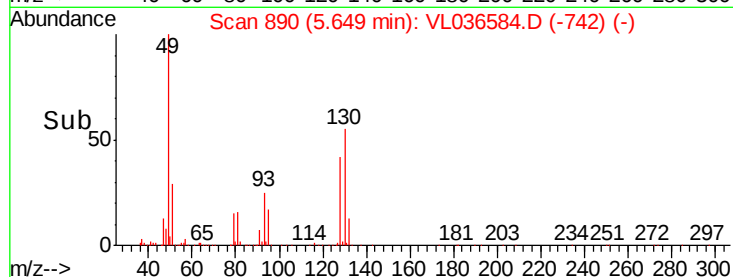
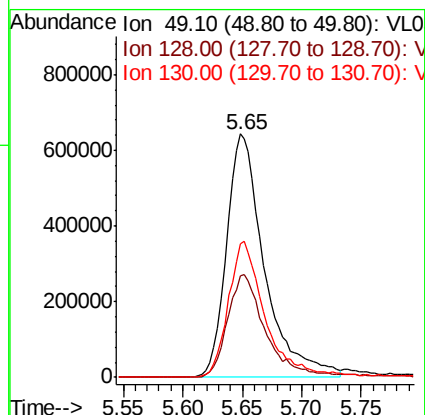
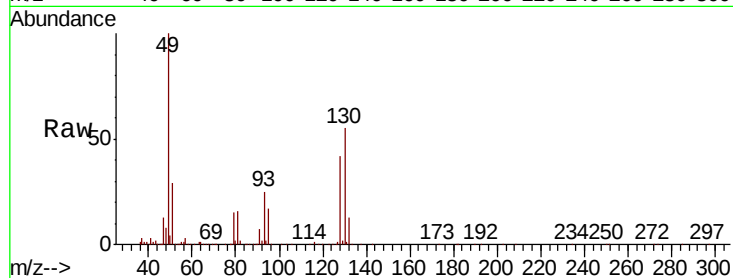
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

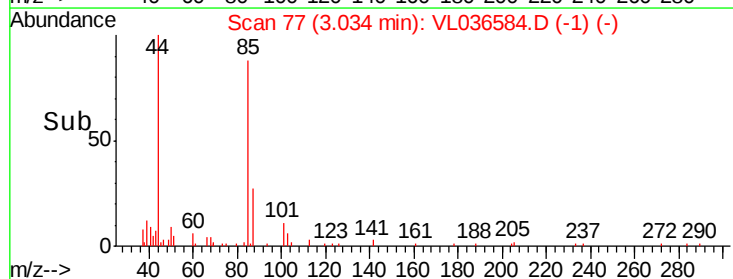
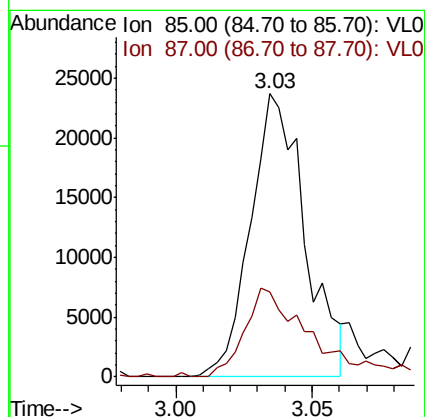
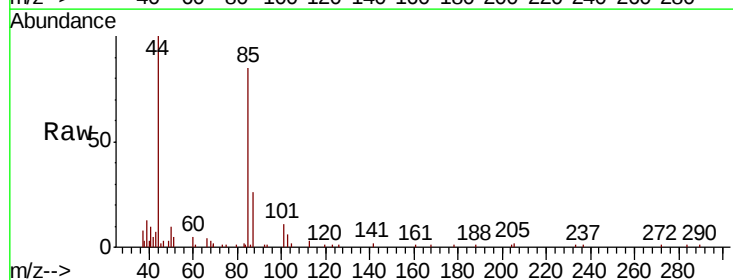
Instrument :
MSVOA_L
ClientSampleId :

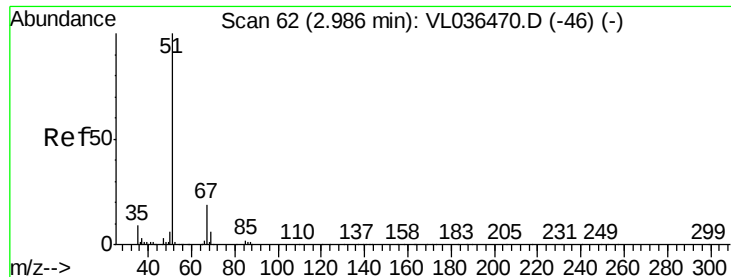
Tot Ion: 49 Resp: 1418905
Ion Ratio Lower Upper
49 100
128 43.6 23.5 70.6
130 55.9 29.1 87.4



#2
Dichlorodifluoromethane
Concen: 0.142 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.01 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

Tgt Ion: 85 Resp: 32826
Ion Ratio Lower Upper
85 100
87 30.2 27.8 41.8





#3

Chlorodifluoromethane

Concen: 0.112 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

Instrument :

MSVOA_L

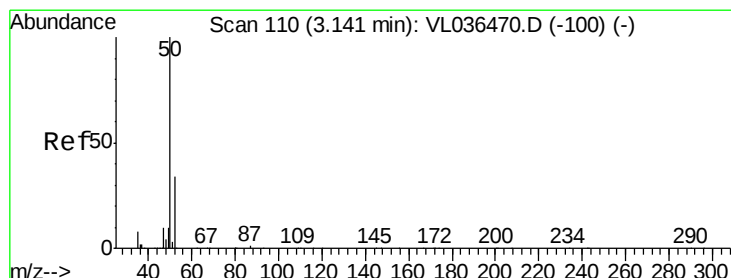
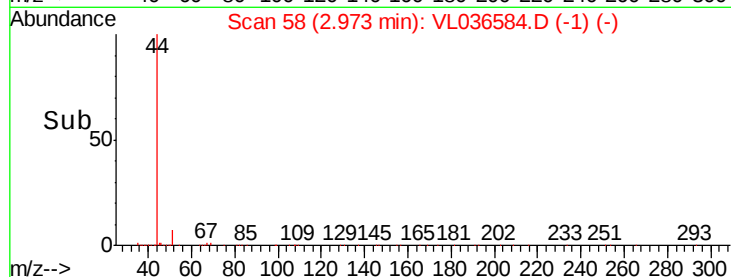
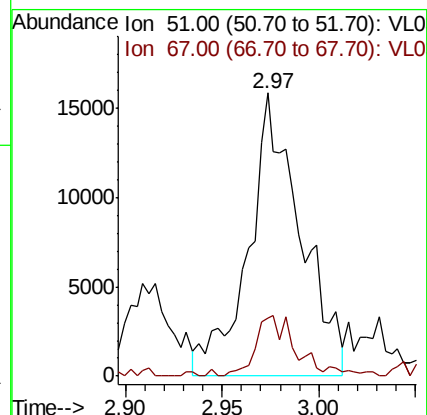
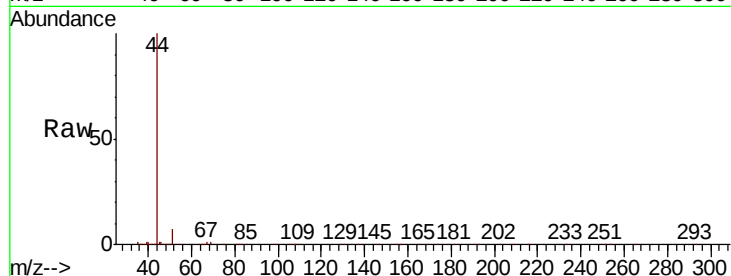
ClientSampleId :

Tot Ion: 51 Resp: 29732

Ion Ratio Lower Upper

51 100

67 17.7 14.7 22.1



#4

Chloromethane

Concen: 0.103 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036584.D

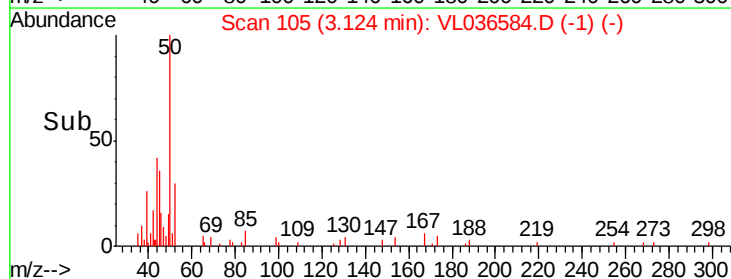
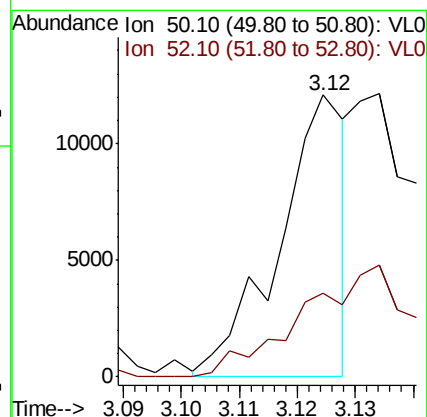
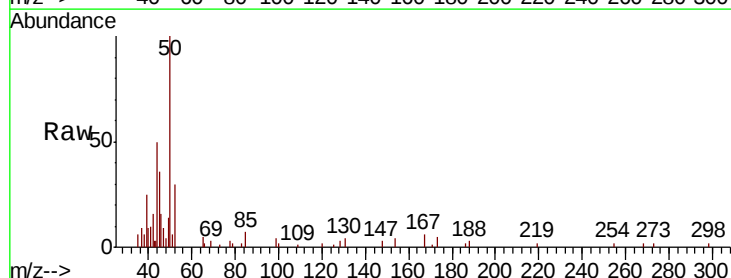
Acq: 31 Mar 2021 00:31

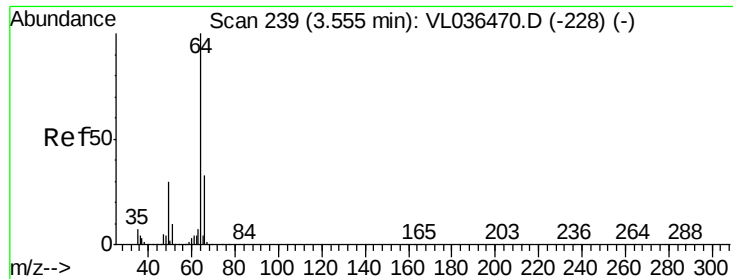
Tgt Ion: 50 Resp: 9670

Ion Ratio Lower Upper

50 100

52 30.1 27.0 40.6





#7

Chloroethane

Concen: 0.028 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

Instrument :

MSVOA_L

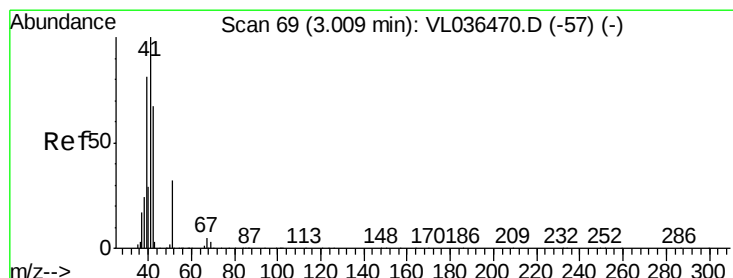
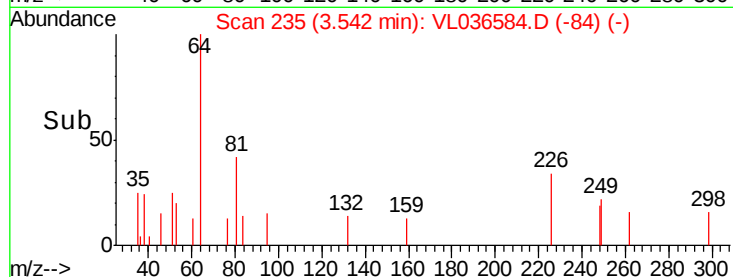
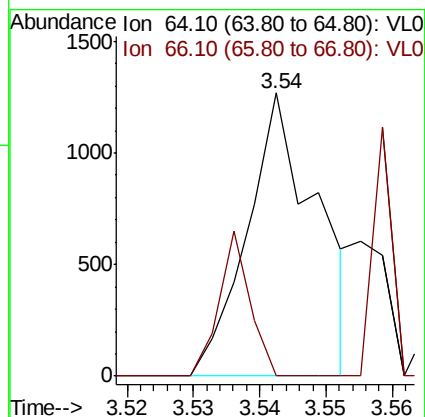
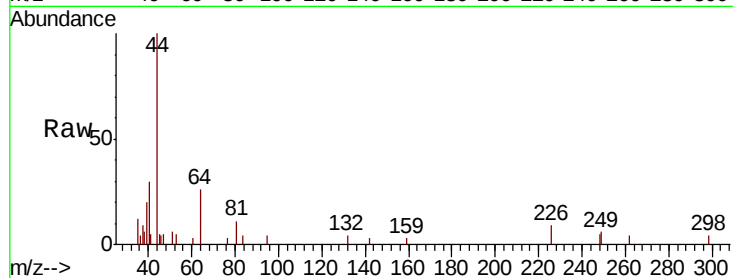
ClientSampleId :

Tot Ion: 64 Resp: 924

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.2#



#9

Propene

Concen: 0.122 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036584.D

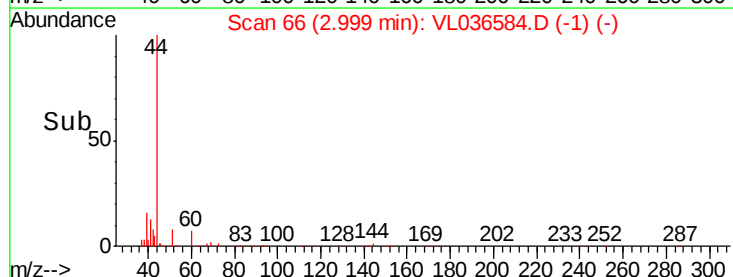
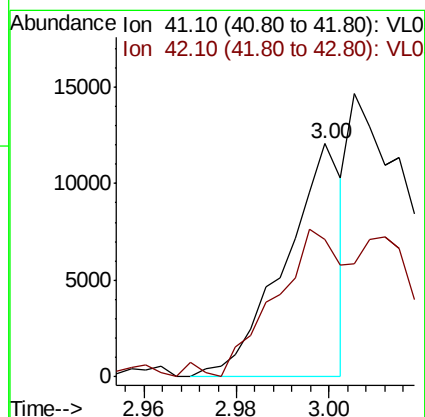
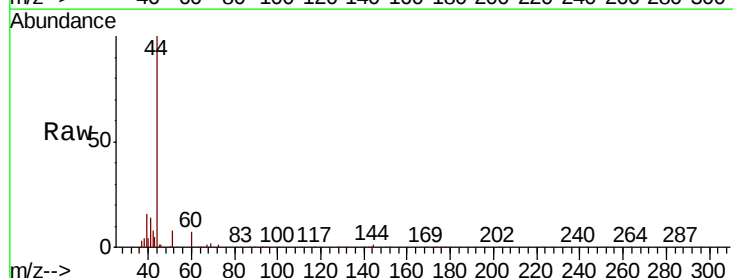
Acq: 31 Mar 2021 00:31

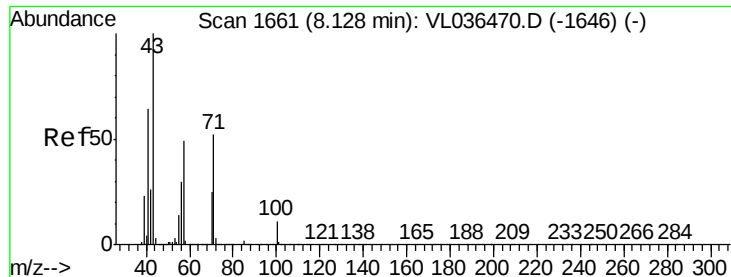
Tgt Ion: 41 Resp: 10294

Ion Ratio Lower Upper

41 100

42 182.7 57.0 85.4#





#10

Heptane

Concen: 0.060 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.03 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

Instrument :

MSVOA_L

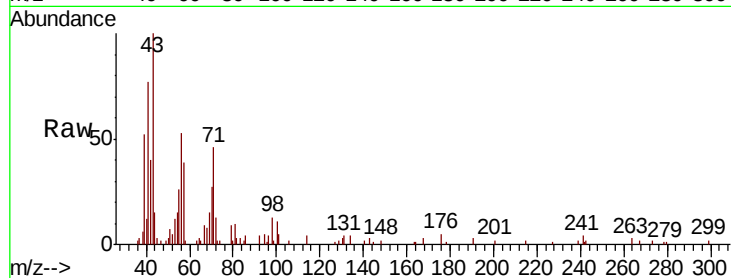
ClientSampleId :

Tot Ion: 43 Resp: 12854

Ion Ratio Lower Upper

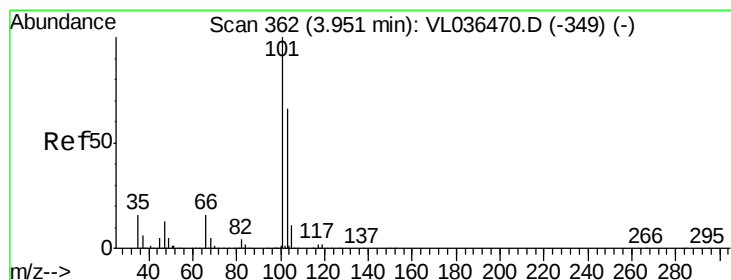
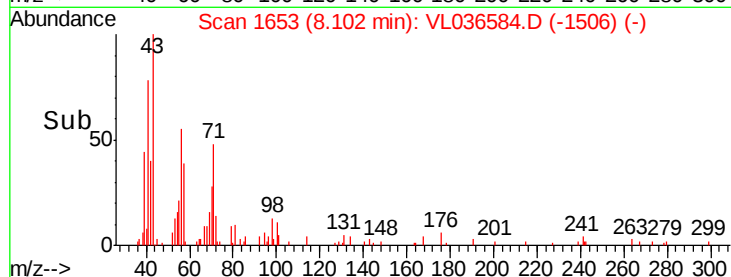
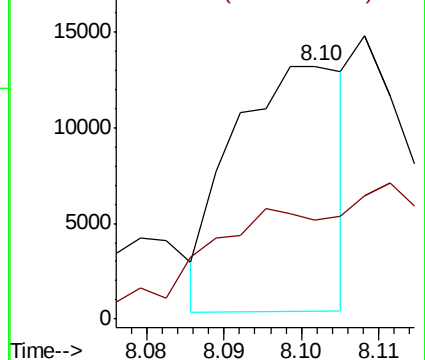
43 100

57 0.0 39.0 58.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.261 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL036584.D

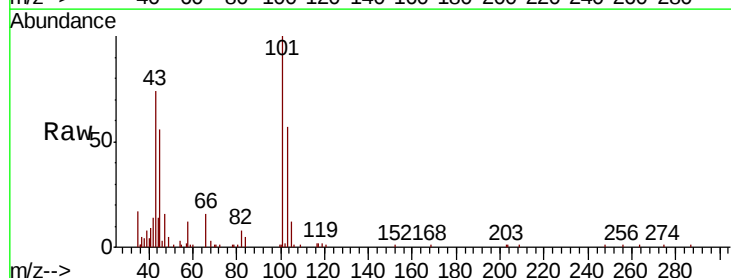
Acq: 31 Mar 2021 00:31

Tgt Ion: 101 Resp: 61662

Ion Ratio Lower Upper

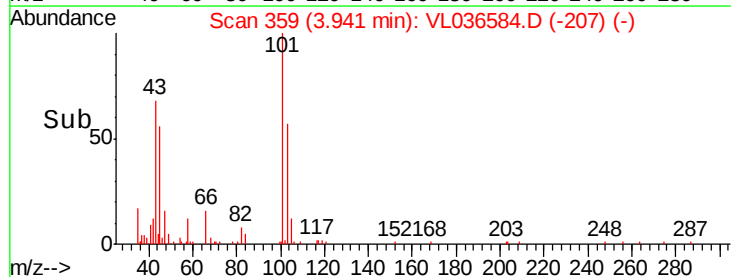
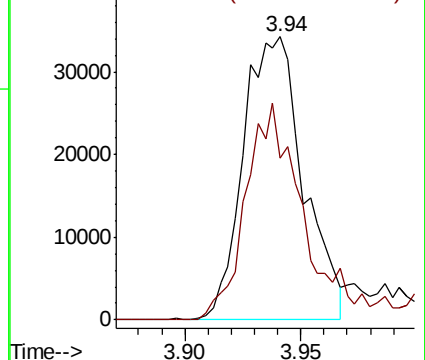
101 100

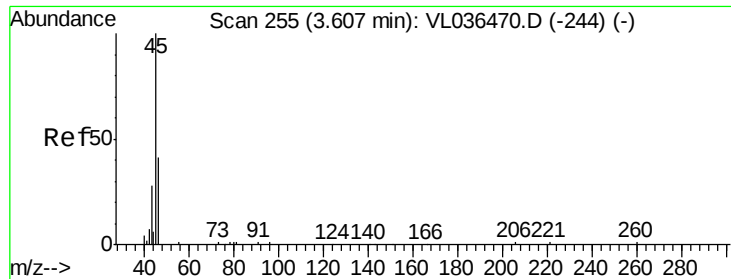
103 57.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

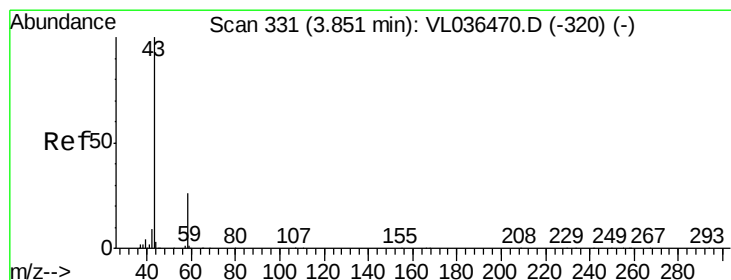
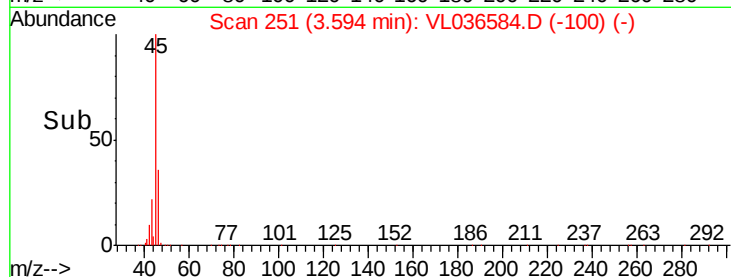
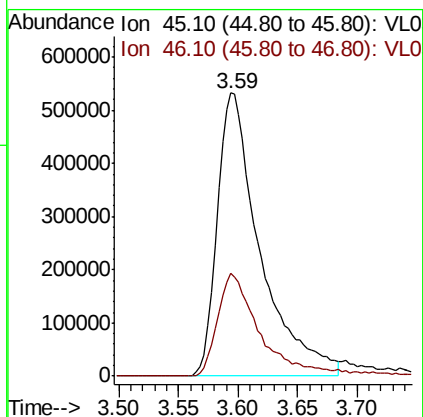
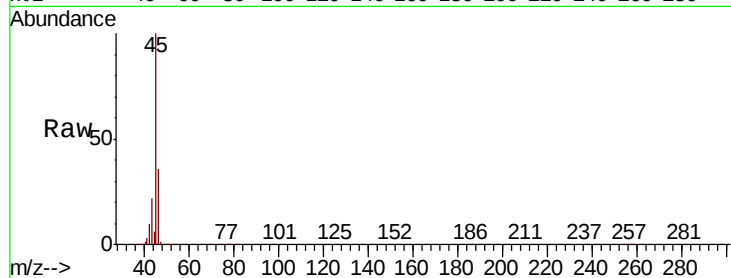




#13
Ethanol
Concen: 131.640 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

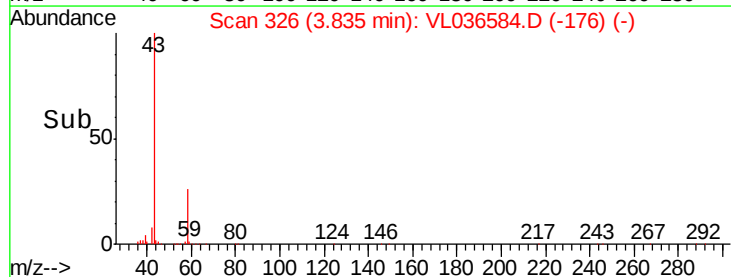
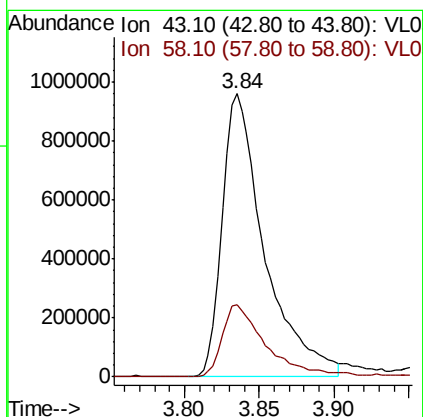
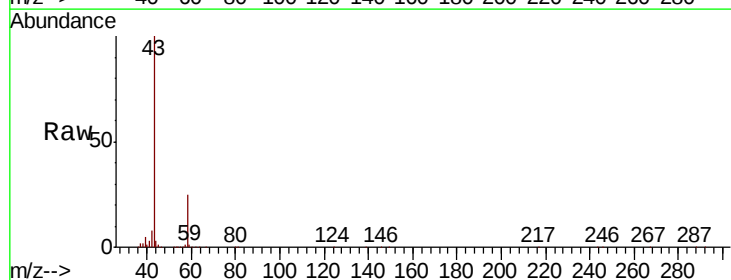
Instrument :
MSVOA_L
ClientSampleId :

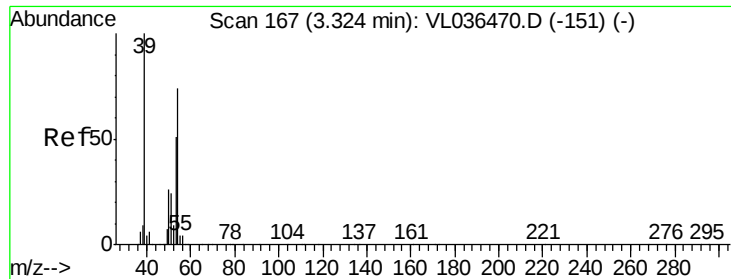
Tot Ion: 45 Resp: 1324851
Ion Ratio Lower Upper
45 100
46 36.0 16.6 66.2



#15
Acetone
Concen: 13.485 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

Tgt Ion: 43 Resp: 1883265
Ion Ratio Lower Upper
43 100
58 27.0 21.2 31.8

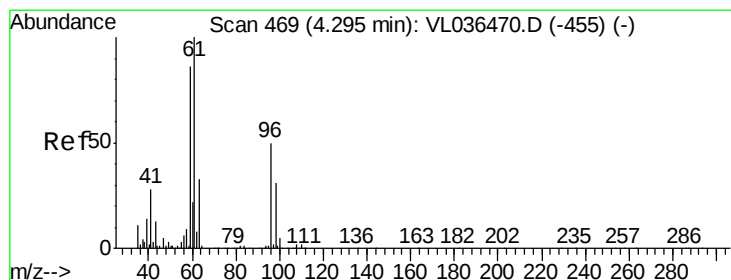
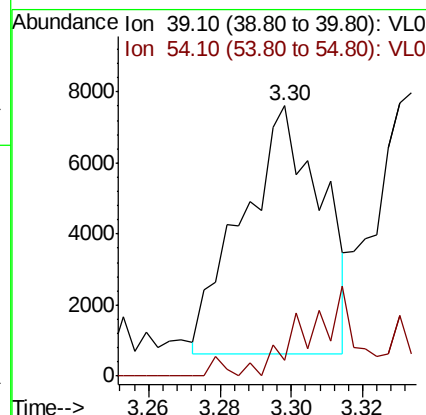
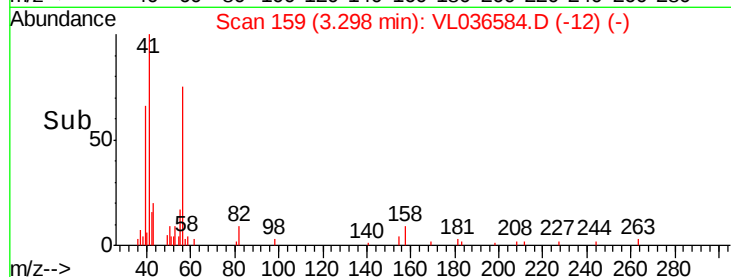
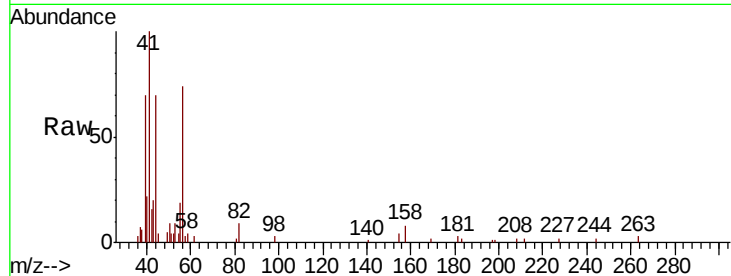




#16
 1,3-Butadiene
 Concen: 0.109 ppbv
 RT: 3.30 min Scan# 159
 Delta R.T. -0.03 min
 Lab File: VL036584.D
 Acq: 31 Mar 2021 00:31

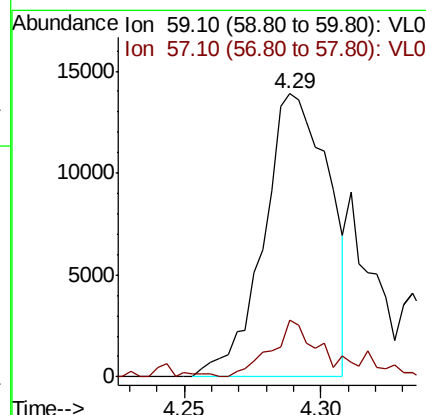
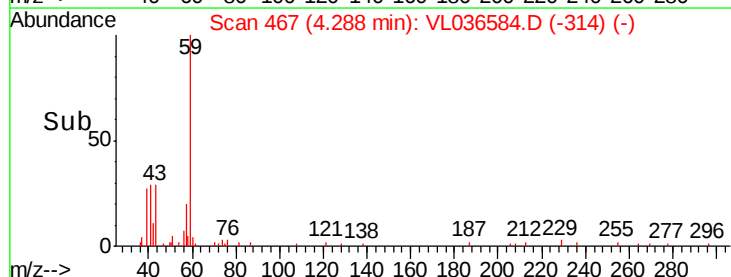
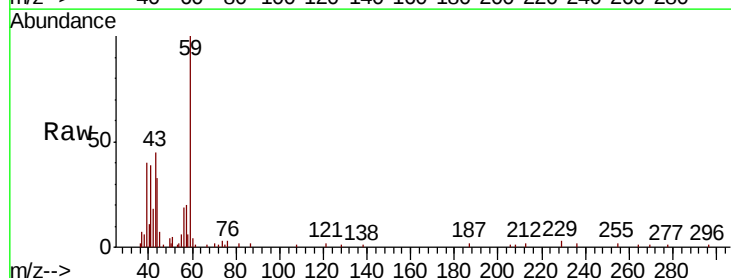
Instrument :
 MSVOA_L
 ClientSampled :

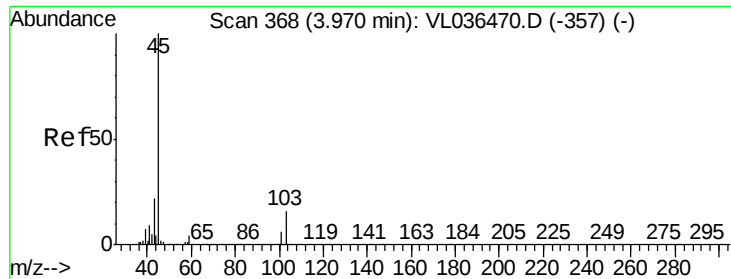
Tot Ion: 39 Resp: 10588
 Ion Ratio Lower Upper
 39 100
 54 36.8 58.8 88.2#



#17
 tert-Butyl alcohol
 Concen: 0.190 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL036584.D
 Acq: 31 Mar 2021 00:31

Tgt Ion: 59 Resp: 23117
 Ion Ratio Lower Upper
 59 100
 57 17.9 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 1.160 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

Instrument :

MSVOA_L

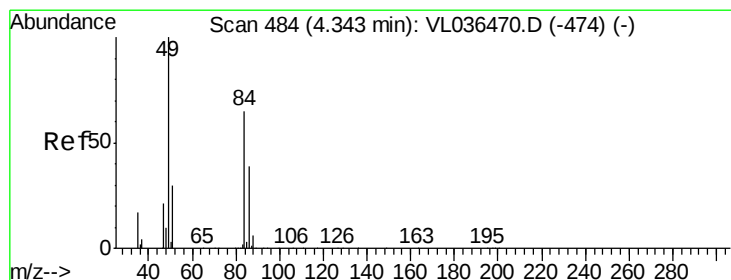
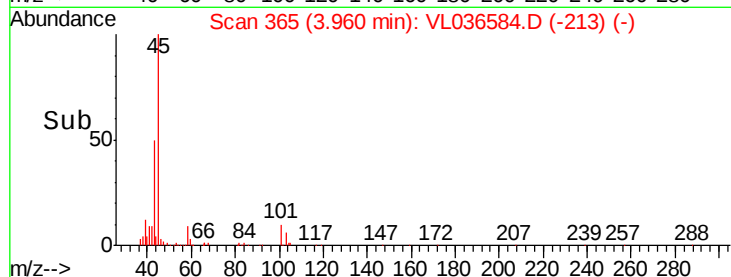
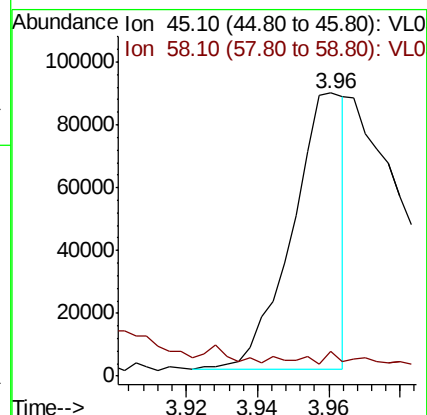
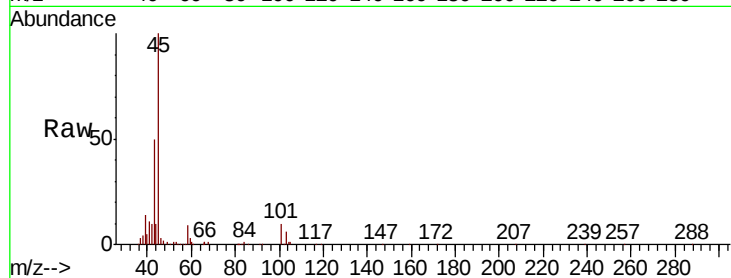
ClientSampled :

Tot Ion: 45 Resp: 89092

Ion Ratio Lower Upper

45 100

58 577.8 2.9 4.3#



#20

Methylene Chloride

Concen: 1.957 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

Tgt Ion: 84 Resp: 127930

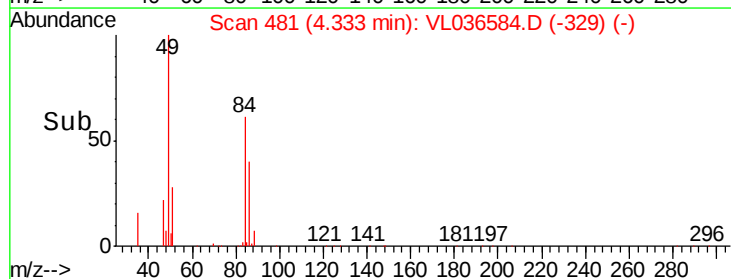
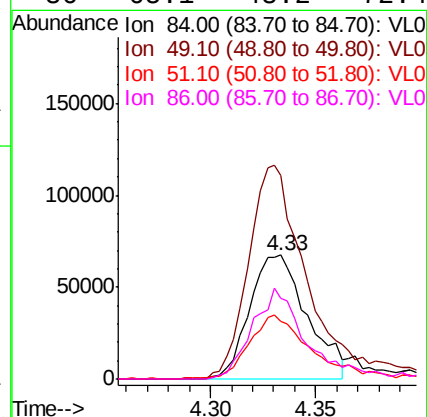
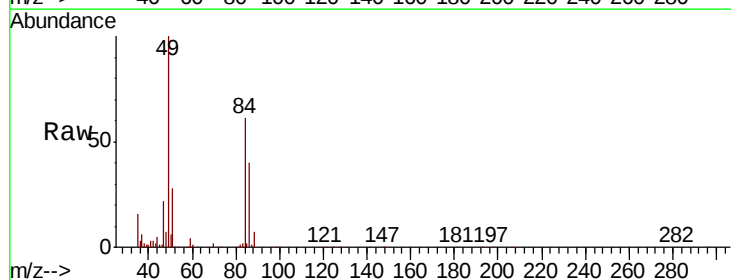
Ion Ratio Lower Upper

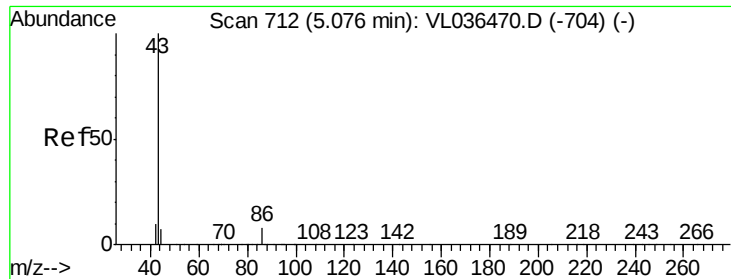
84 100

49 164.5 122.9 184.3

51 45.7 36.9 55.3

86 65.1 48.2 72.4





#23

Vinyl Acetate

Concen: 0.226 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.03 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 54088

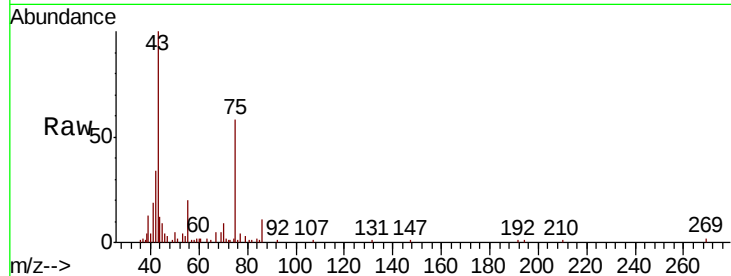
Ion Ratio Lower Upper

43 100

86 11.5 5.4 8.0#

42 25.1 8.5 12.7#

44 0.0 4.6 7.0#

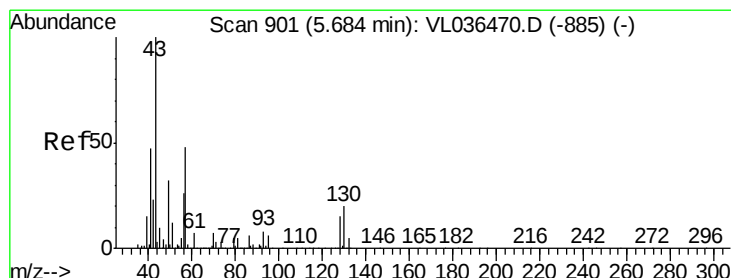
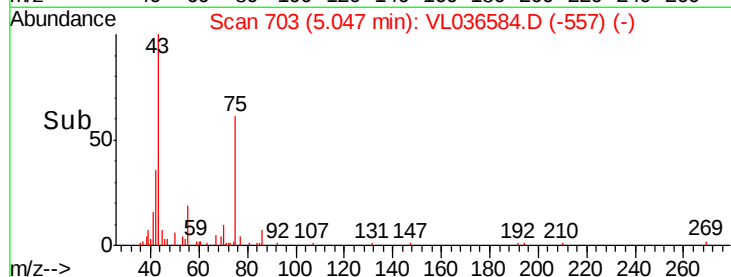
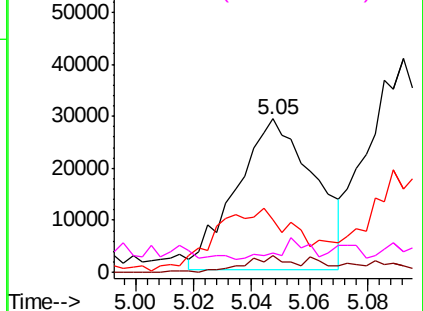


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.546 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

Tgt Ion: 43 Resp: 181348

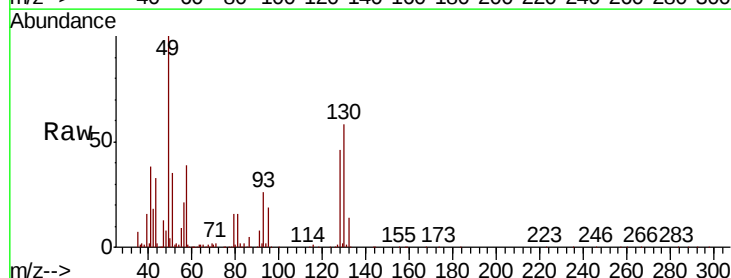
Ion Ratio Lower Upper

43 100

45 2.1 7.9 11.9#

61 0.7 7.4 11.2#

70 2.0 5.1 7.7#

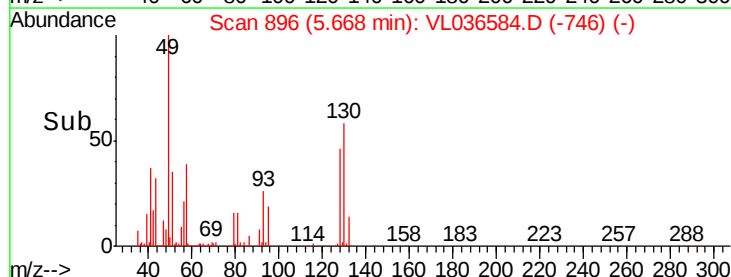
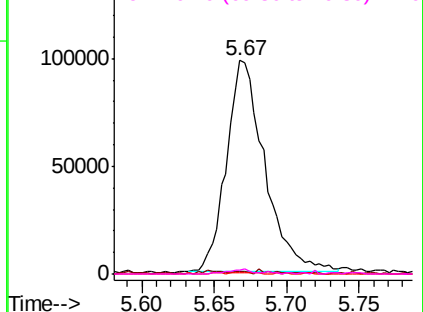


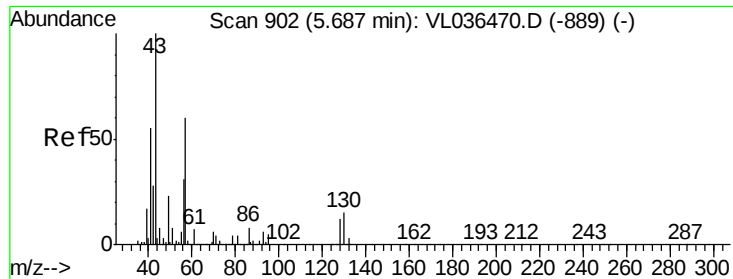
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

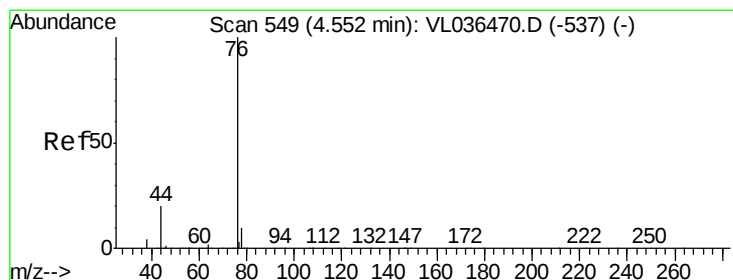
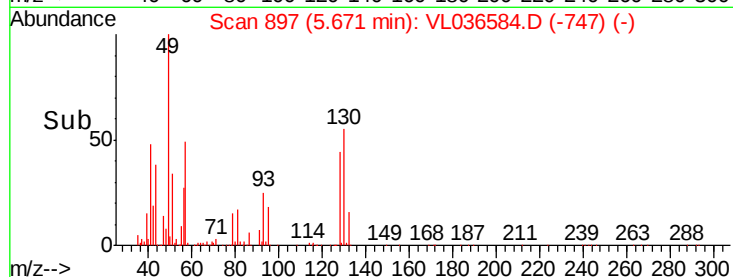
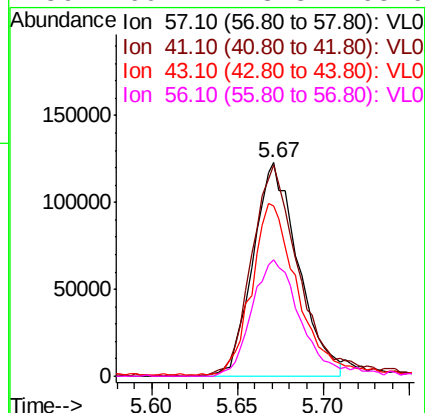
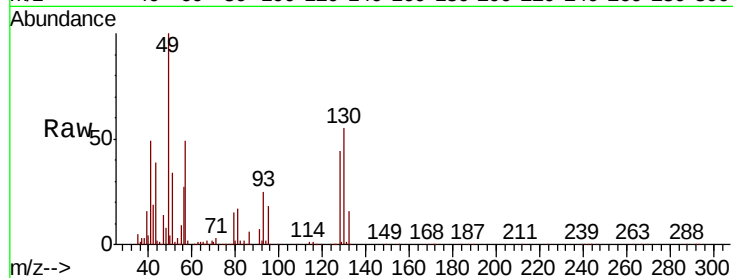




#26
Hexane
Concen: 1.459 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

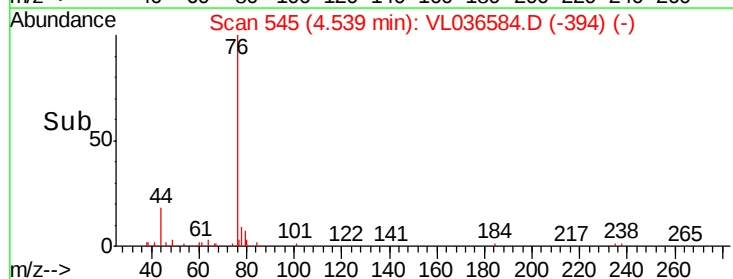
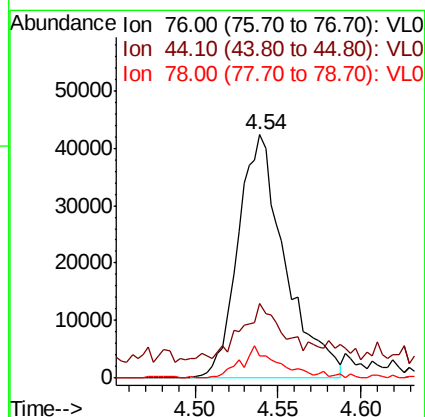
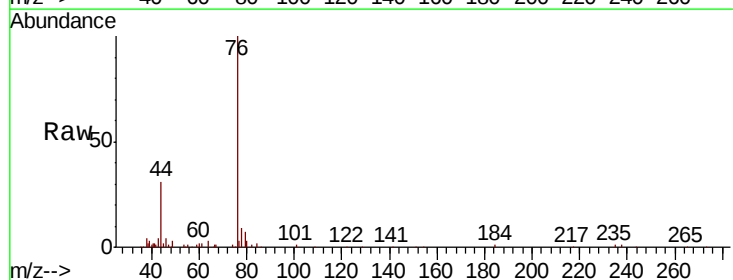
Instrument :
MSVOA_L
ClientSampleId :

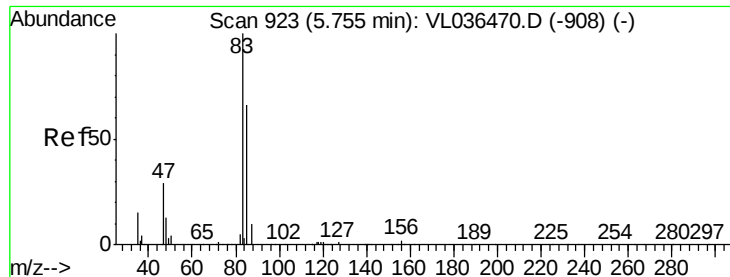
Tot Ion: 57 Resp: 224835
Ion Ratio Lower Upper
57 100
41 107.3 77.2 115.8
43 82.3 173.8 260.6#
56 60.4 43.8 65.6



#27
Carbon Disulfide
Concen: 0.549 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.01 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

Tgt Ion: 76 Resp: 83367
Ion Ratio Lower Upper
76 100
44 31.9 17.5 26.3#
78 12.2 8.6 13.0





#29

Chloroform

Concen: 0.214 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.02 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

Instrument :

MSVOA_L

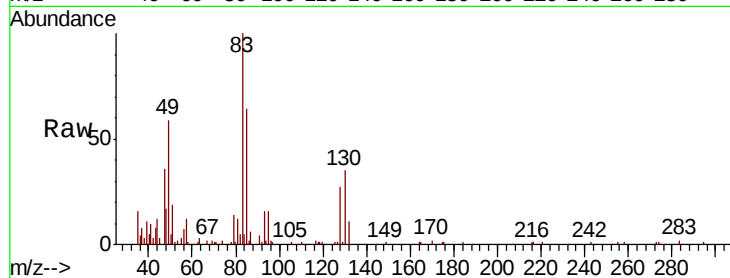
ClientSampleId :

Tot Ion: 83 Resp: 52717

Ion Ratio Lower Upper

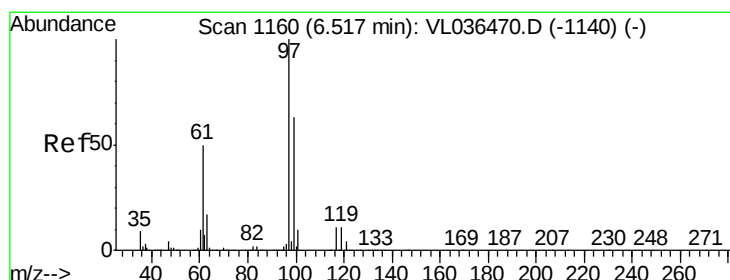
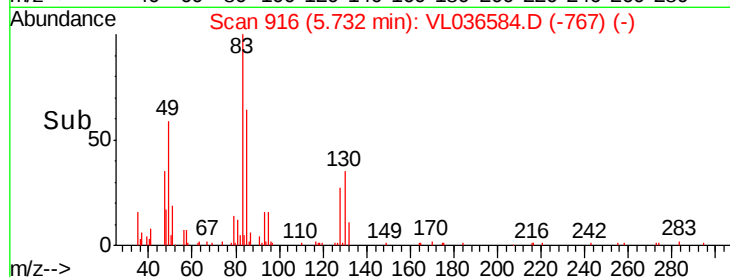
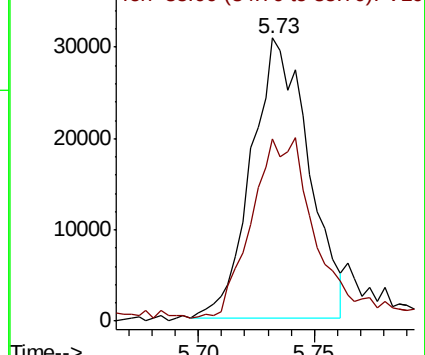
83 100

85 63.9 52.6 78.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.556 ppbv

RT: 6.49 min Scan# 1153

Delta R.T. -0.02 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

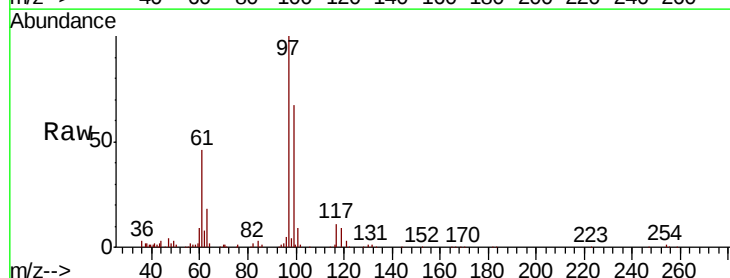
Tgt Ion: 97 Resp: 138168

Ion Ratio Lower Upper

97 100

99 69.3 51.4 77.0

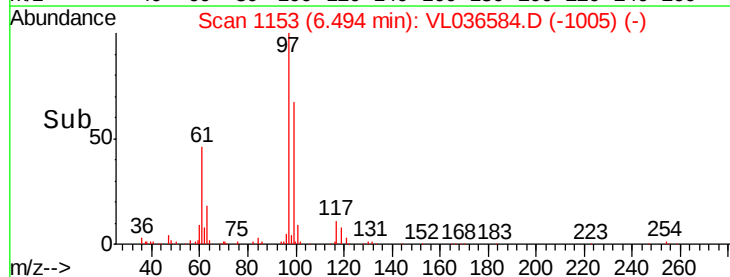
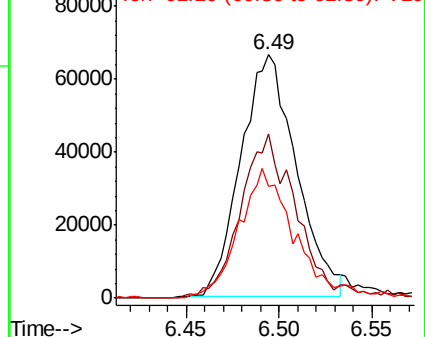
61 54.9 40.6 60.8

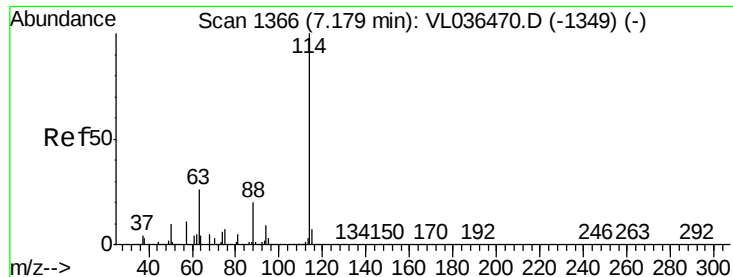


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

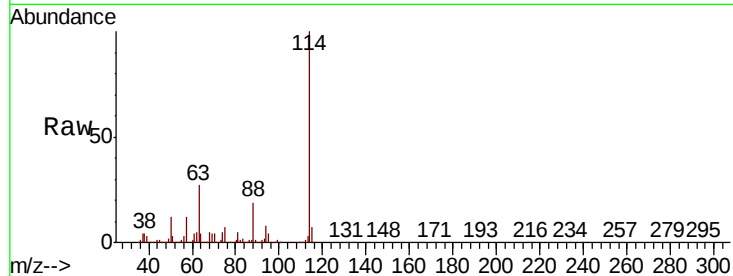




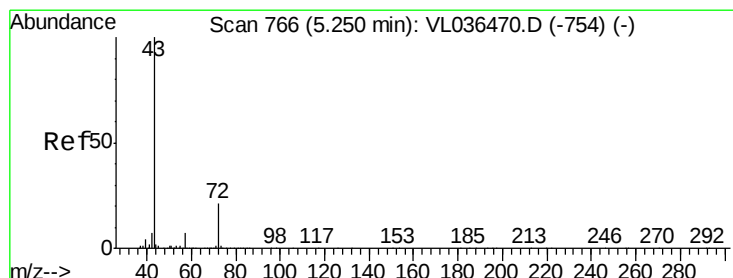
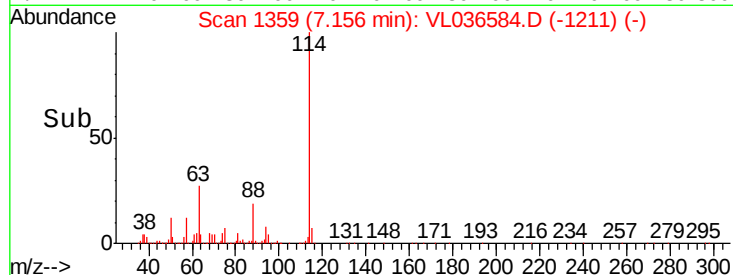
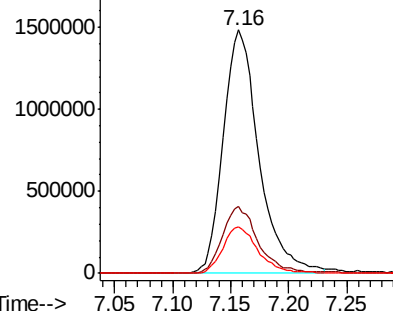
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL036584.D
 Acq: 31 Mar 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3170834
 Ion Ratio Lower Upper
 114 100
 63 28.2 22.4 33.6
 88 19.5 15.4 23.0

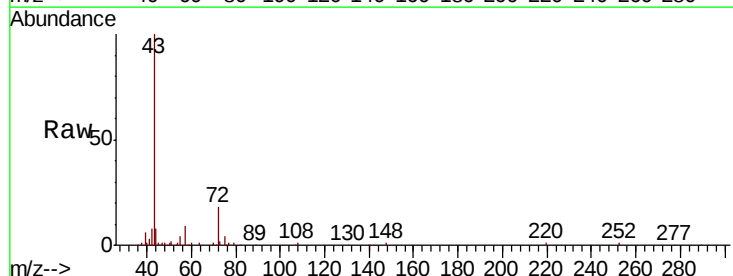


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

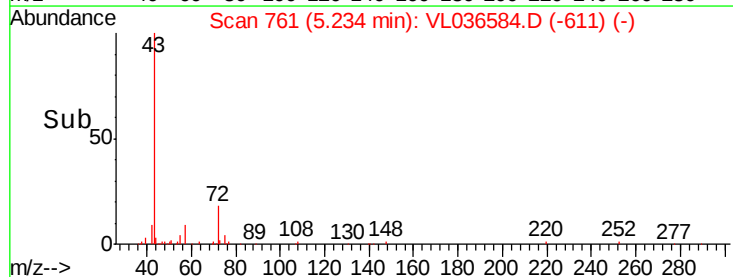
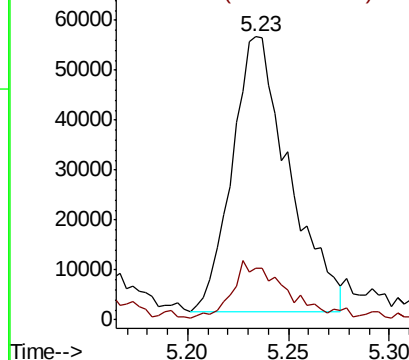


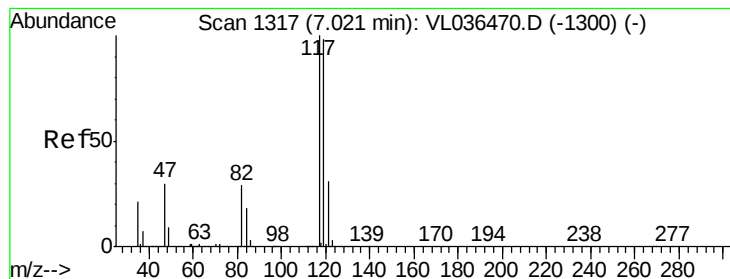
#34
 2-Butanone
 Concen: 0.702 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: VL036584.D
 Acq: 31 Mar 2021 00:31

Tgt Ion: 43 Resp: 108709
 Ion Ratio Lower Upper
 43 100
 72 22.1 17.0 25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.022 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

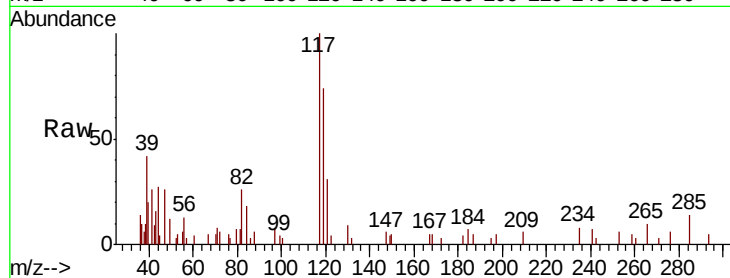
Tot Ion:117 Resp: 5281

Ion Ratio Lower Upper

117 100

119 54.7 78.2 117.2#

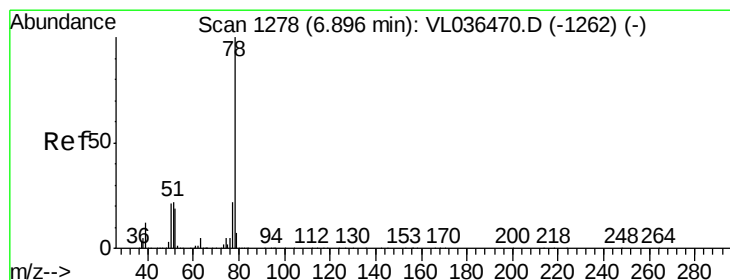
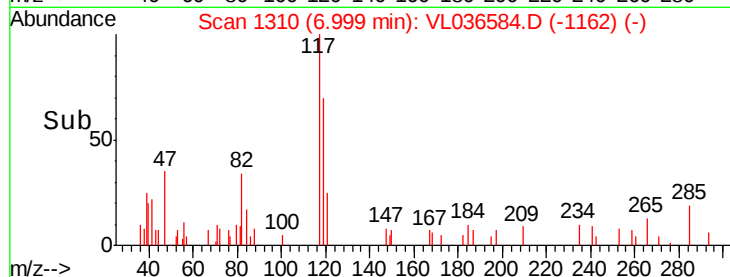
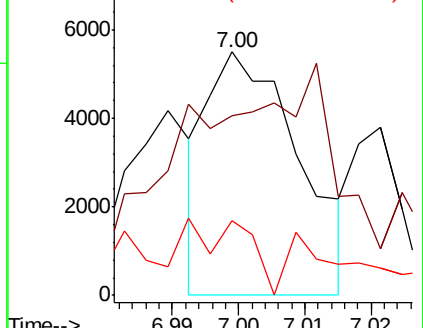
121 29.3 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.211 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

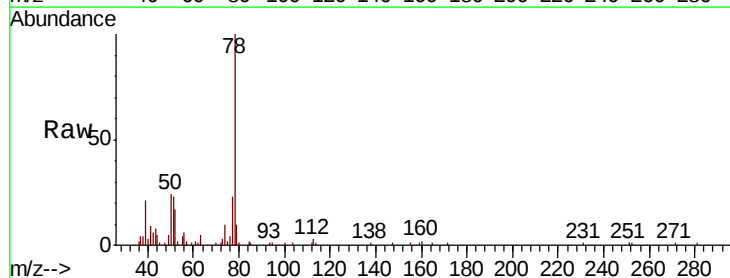
Tgt Ion: 78 Resp: 61652

Ion Ratio Lower Upper

78 100

77 22.3 18.0 27.0

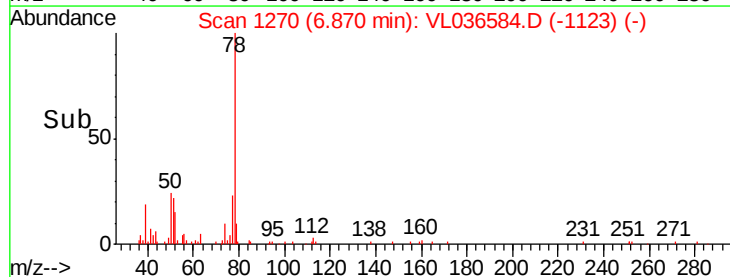
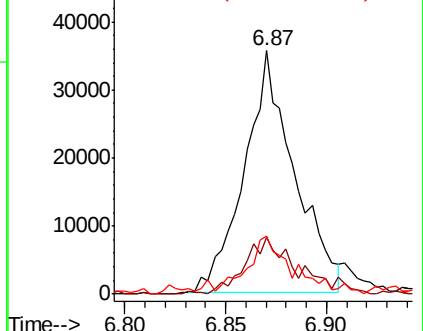
50 21.8 16.5 24.7

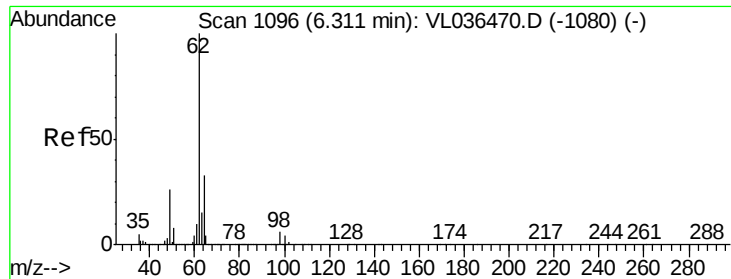


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

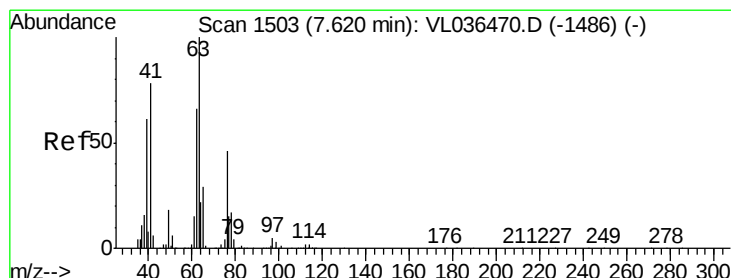
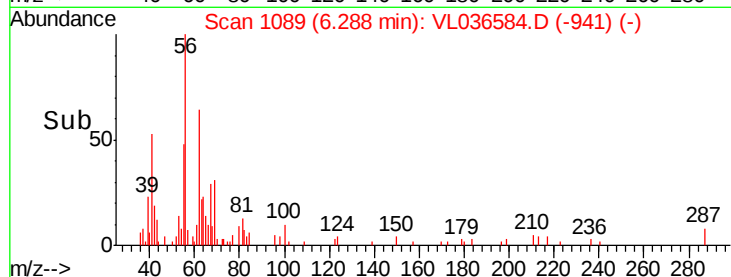
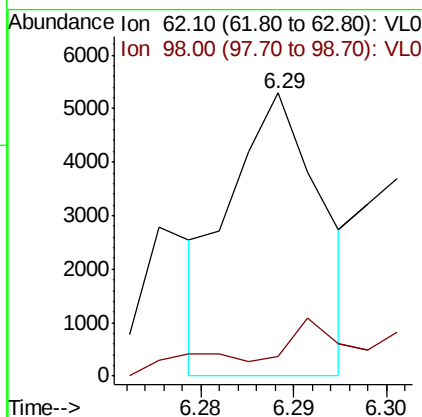
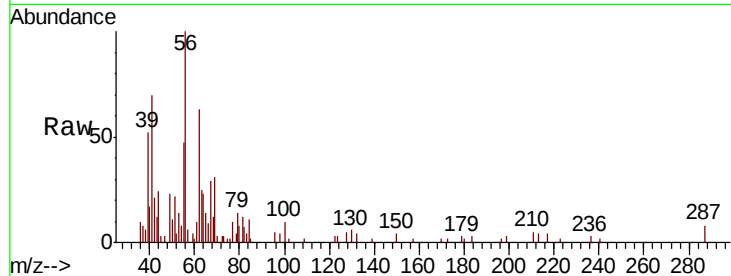




#37
 1,2-Dichloroethane
 Concen: 0.021 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.02 min
 Lab File: VL036584.D
 Acq: 31 Mar 2021 00:31

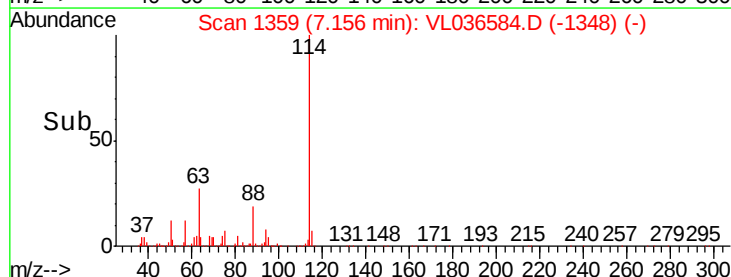
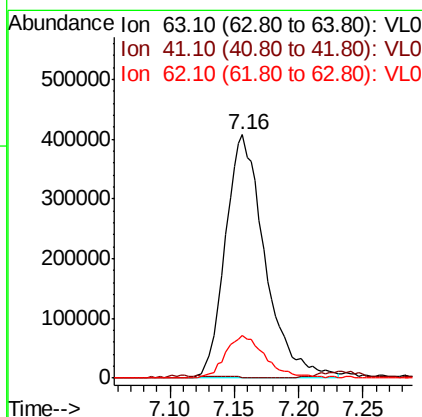
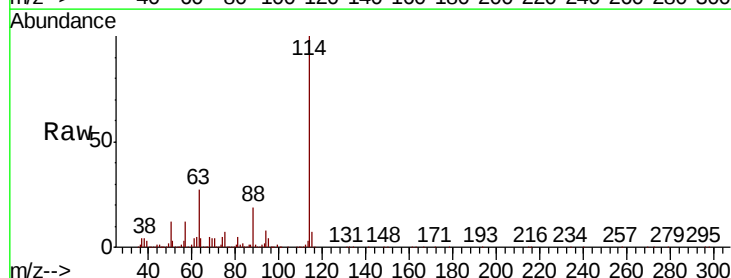
Instrument :
 MSVOA_L
 ClientSampleId :

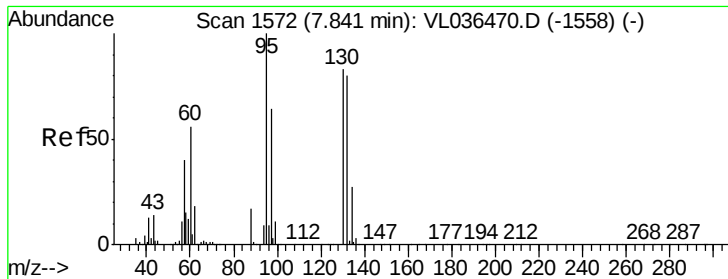
Tot Ion: 62 Resp: 3616
 Ion Ratio Lower Upper
 62 100
 98 28.0 4.9 7.3#



#39
 1,2-Dichloropropane
 Concen: 7.282 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.46 min
 Lab File: VL036584.D
 Acq: 31 Mar 2021 00:31

Tgt Ion: 63 Resp: 863804
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 17.5 52.8 79.2#

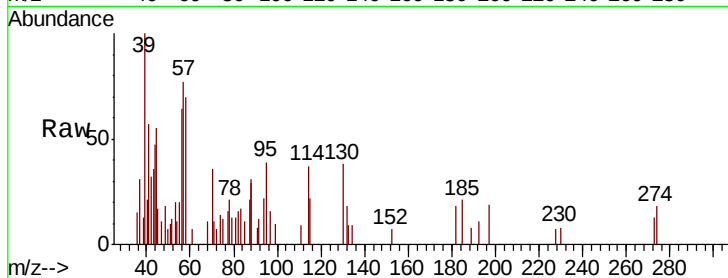




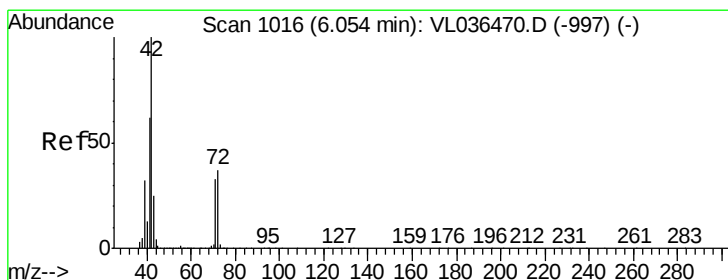
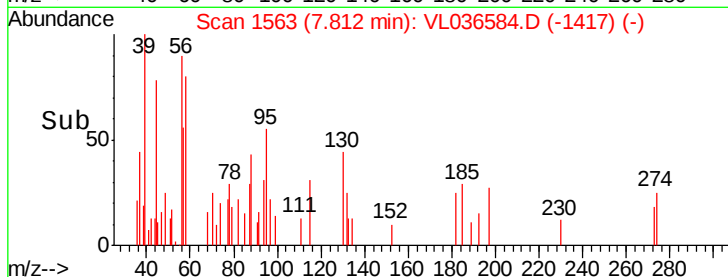
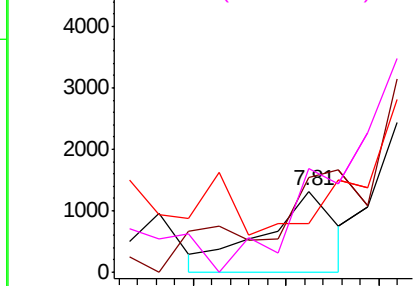
#40
1,4-Dioxane
Concen: 0.026 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.03 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 88 Resp: 706
Ion Ratio Lower Upper
88 100
58 0.0 134.1 201.1#
43 0.0 346.6 520.0#
57 0.0 1481.8 2222.8#

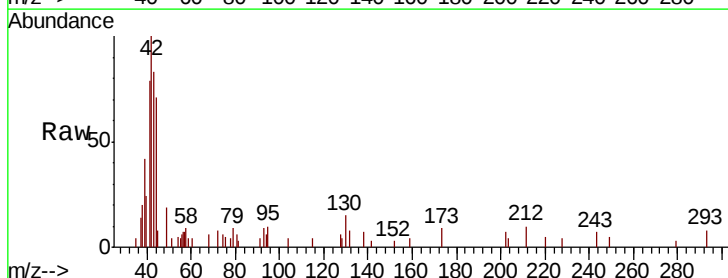


Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

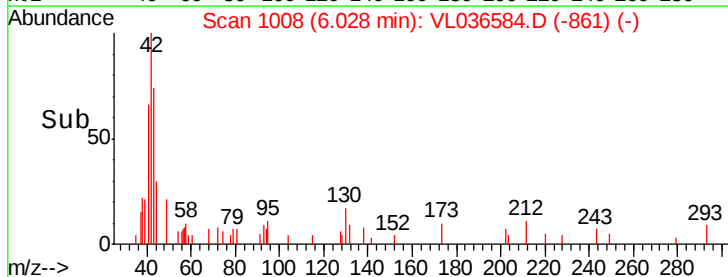
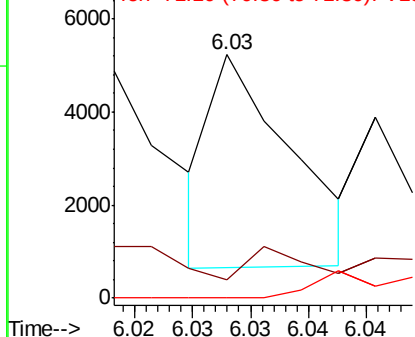


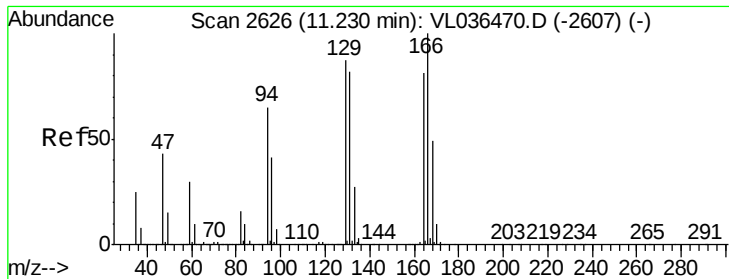
#41
Tetrahydrofuran
Concen: 0.031 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.03 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

Tgt Ion: 42 Resp: 2223
Ion Ratio Lower Upper
42 100
72 0.0 27.6 41.4#
71 0.0 27.0 40.4#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0





#52

Tetrachloroethene

Concen: 2.256 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. -0.03 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 242955

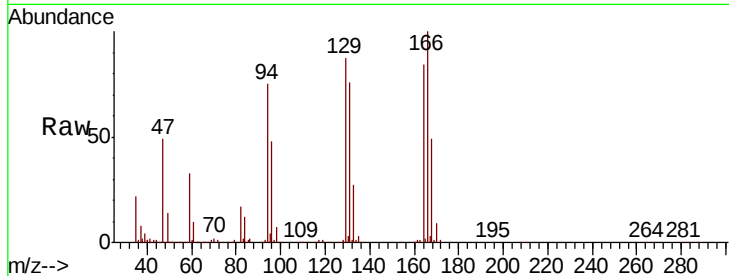
Ion Ratio Lower Upper

164 100

166 118.2 98.3 147.5

129 102.3 85.8 128.8

131 90.5 80.9 121.3

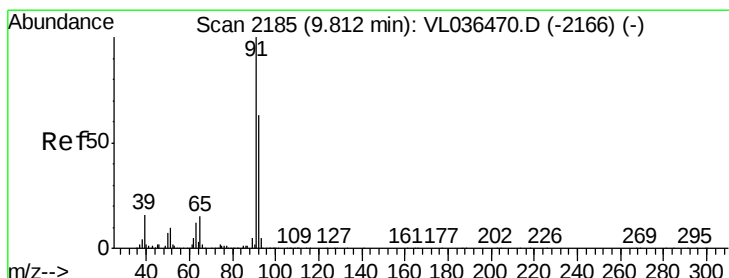
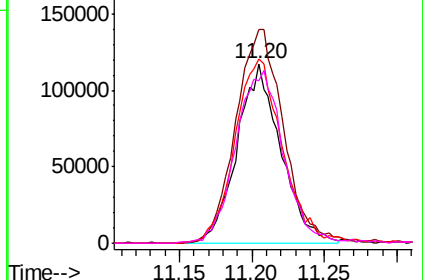
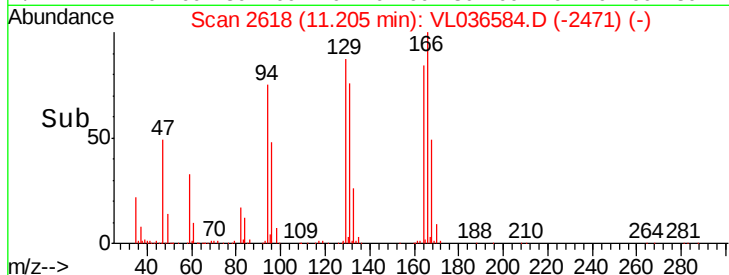


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.297 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.02 min

Lab File: VL036584.D

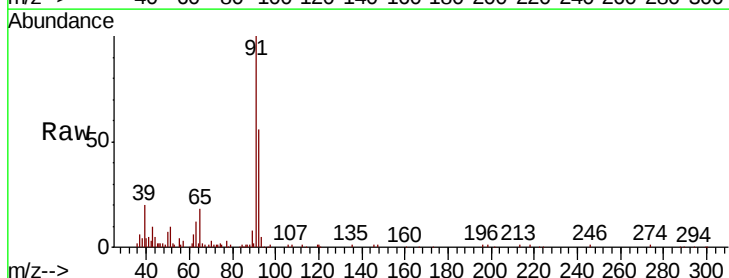
Acq: 31 Mar 2021 00:31

Tgt Ion: 91 Resp: 92464

Ion Ratio Lower Upper

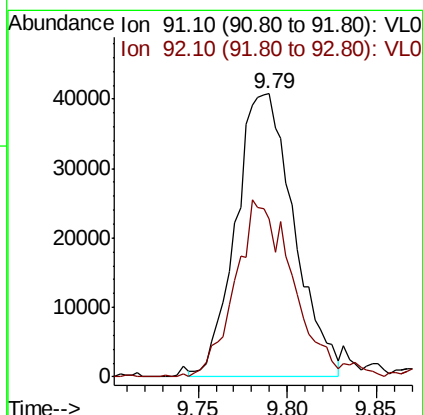
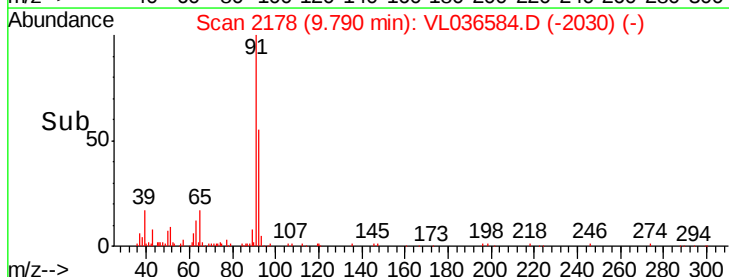
91 100

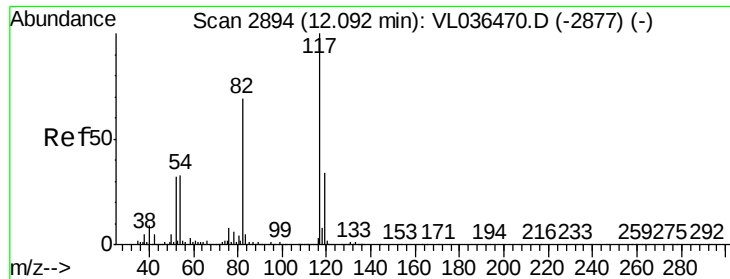
92 62.7 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

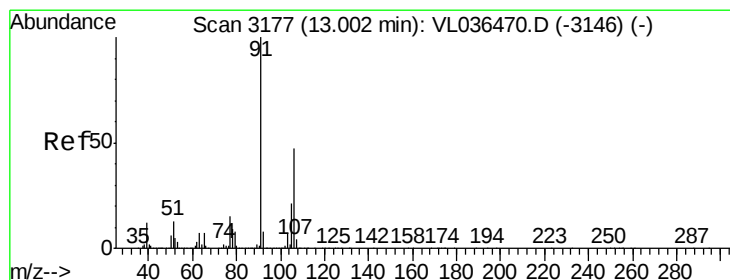
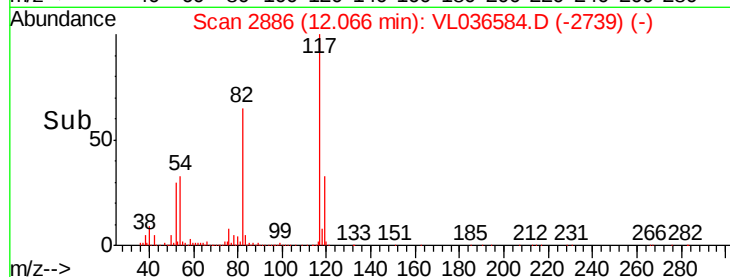
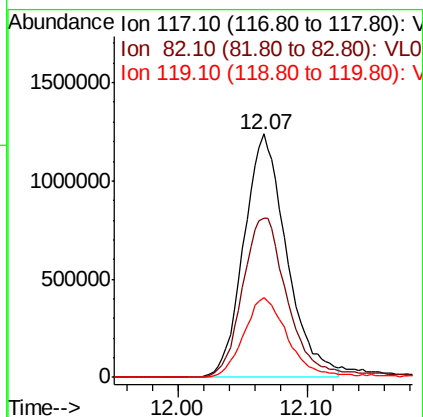
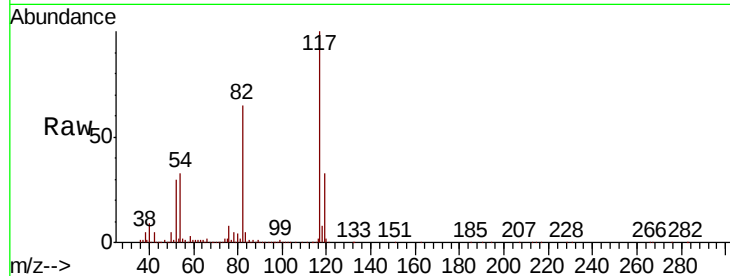




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

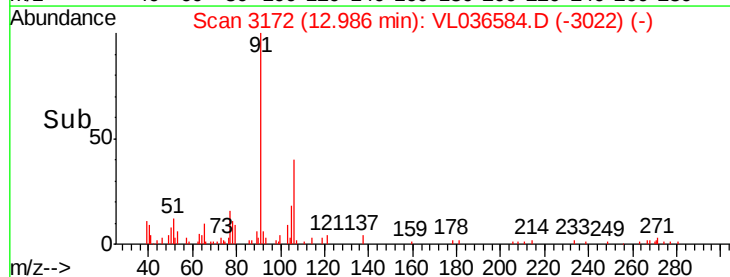
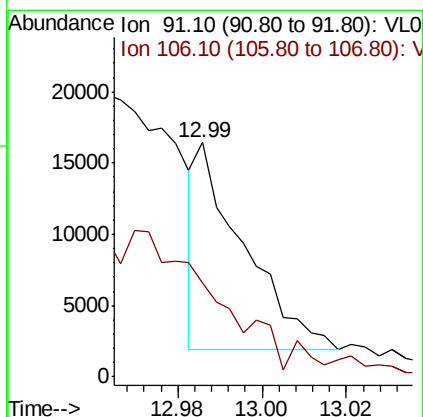
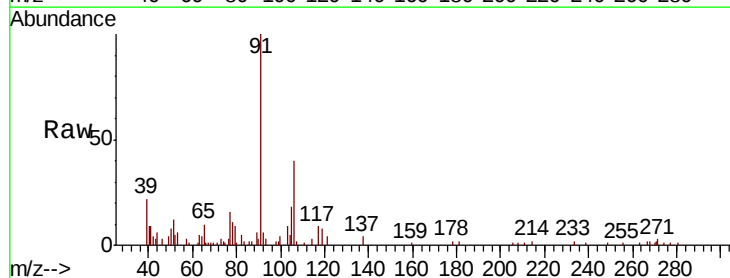
Instrument :
MSVOA_L
ClientSampleId :

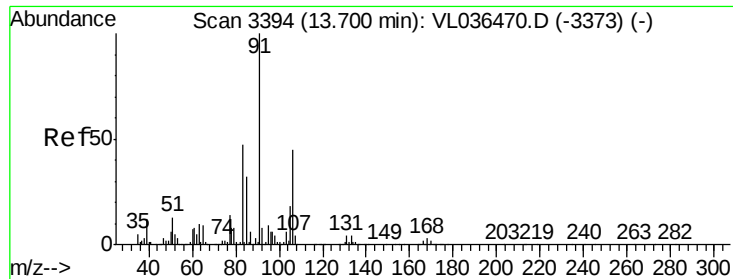
Tot Ion:117 Resp: 2858861
Ion Ratio Lower Upper
117 100
82 71.5 57.4 86.0
119 34.7 47.4 71.0#



#59
m/p-Xylene
Concen: 0.031 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

Tgt Ion: 91 Resp: 11164
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#

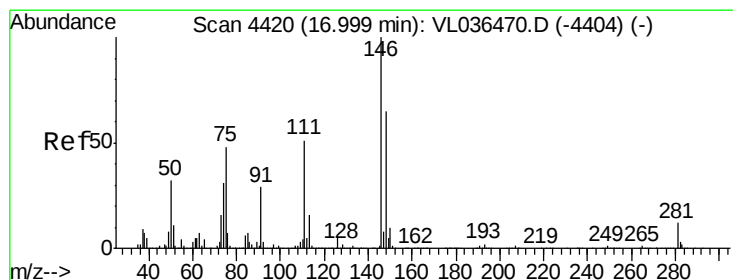
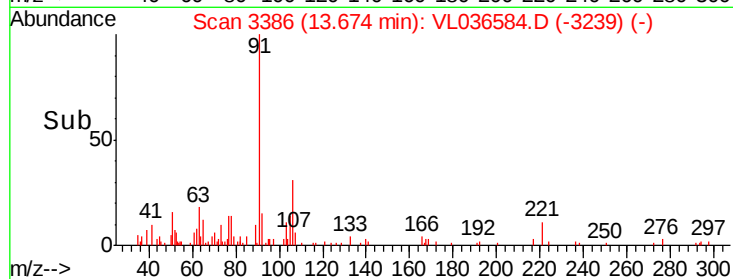
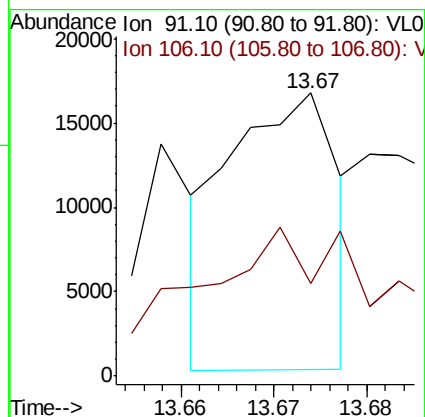
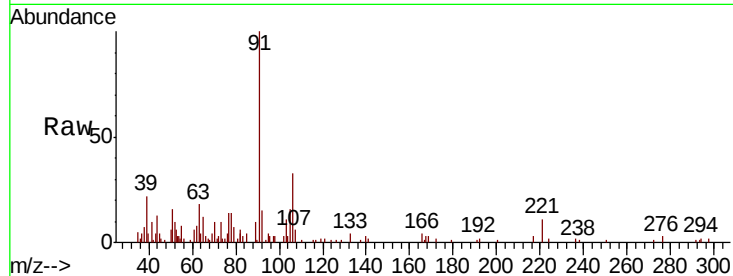




#60
o-Xylene
Concen: 0.038 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

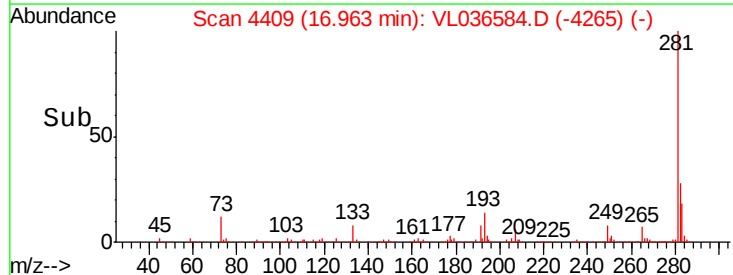
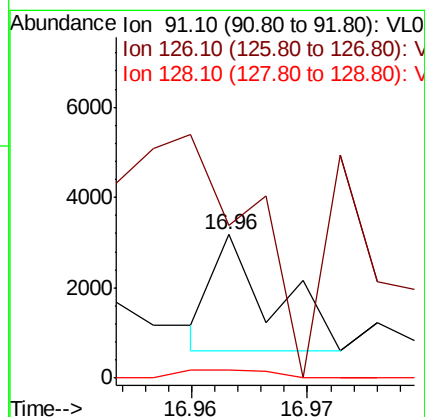
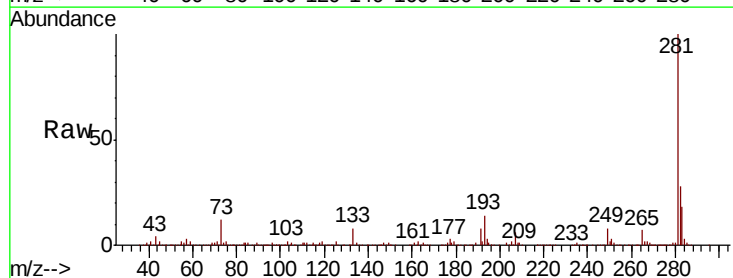
Instrument :
MSVOA_L
ClientSampled :

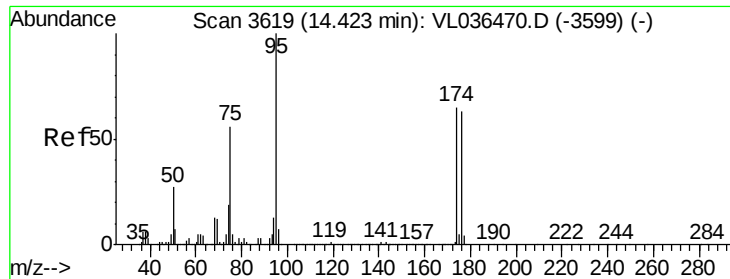
Tot Ion: 91 Resp: 13284
Ion Ratio Lower Upper
91 100
106 127.6 22.3 66.9#



#66
Benzyl Chloride
Concen: 0.020 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.04 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

Tgt Ion: 91 Resp: 915
Ion Ratio Lower Upper
91 100
126 1348.6 13.5 20.3#
128 0.0 4.2 6.4#

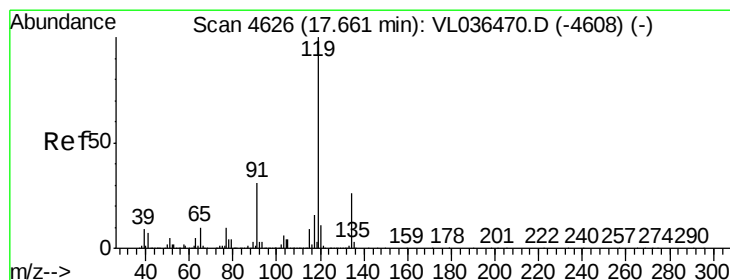
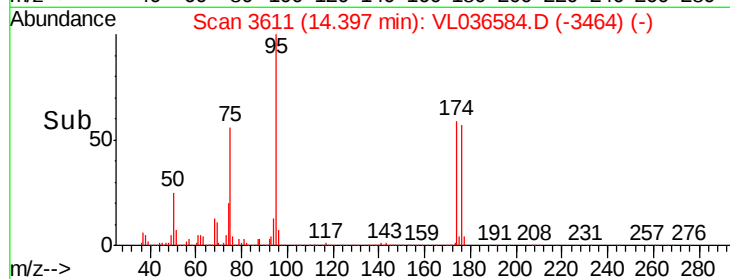
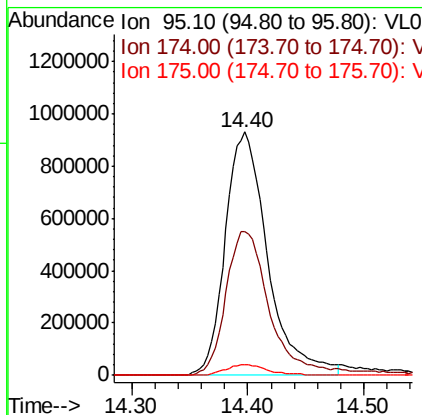
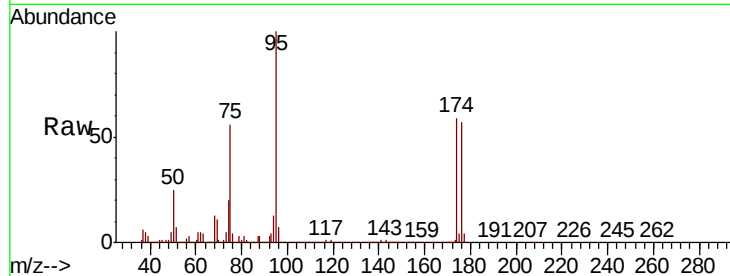




#68
1-Bromo-4-Fluorobenzene
Concen: 10.327 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.03 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

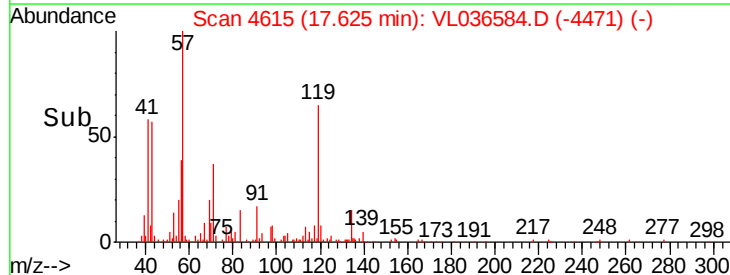
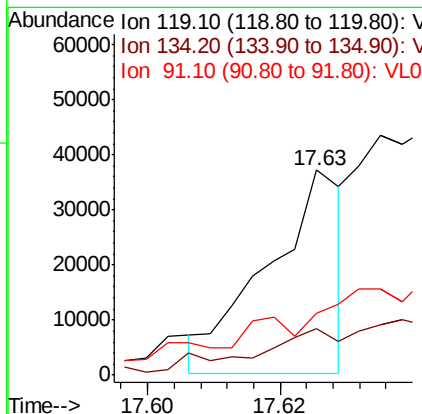
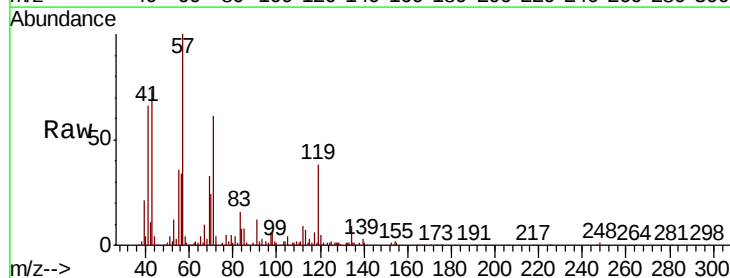
Instrument :
MSVOA_L
ClientSampleID :

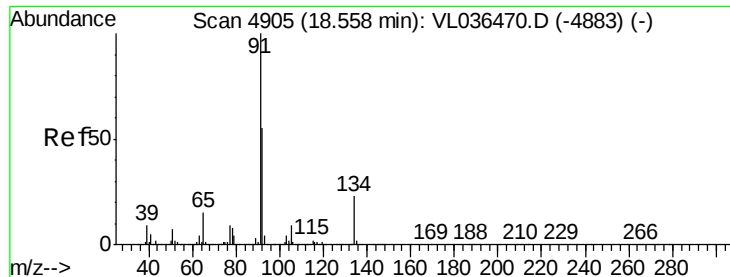
Tot Ion: 95 Resp: 2353029
Ion Ratio Lower Upper
95 100
174 64.2 51.0 76.6
175 4.7 3.9 5.9



#69
p-Isopropyltoluene
Concen: 0.064 ppbv
RT: 17.63 min Scan# 4615
Delta R.T. -0.04 min
Lab File: VL036584.D
Acq: 31 Mar 2021 00:31

Tgt Ion: 119 Resp: 29017
Ion Ratio Lower Upper
119 100
134 0.0 20.6 30.8#
91 0.0 25.0 37.6#





#70

n-Butylbenzene

Concen: 0.120 ppbv

RT: 18.54 min Scan# 4900

Delta R.T. -0.02 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

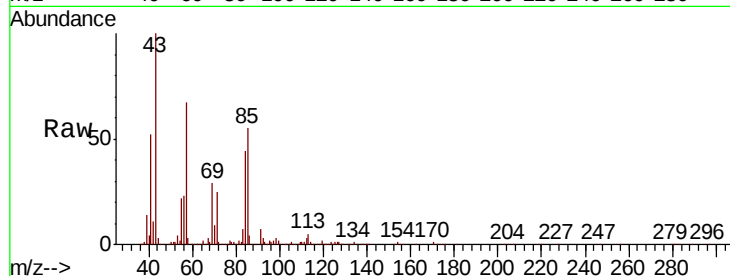
Tot Ion: 91 Resp: 56233

Ion Ratio Lower Upper

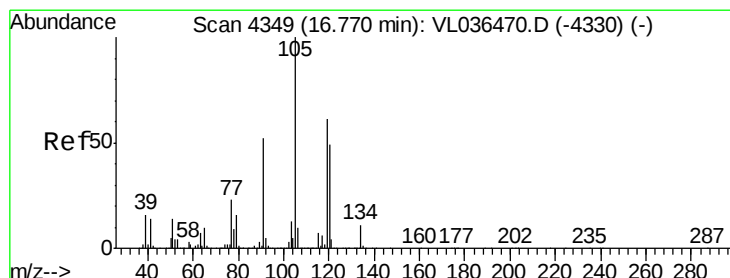
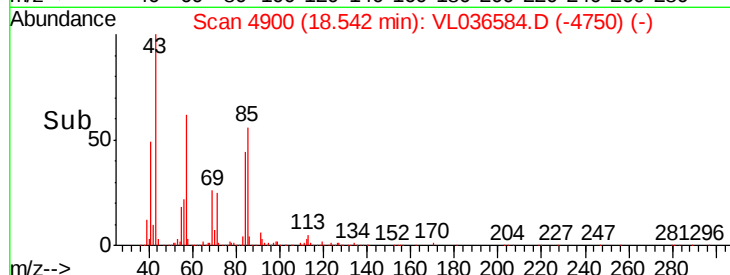
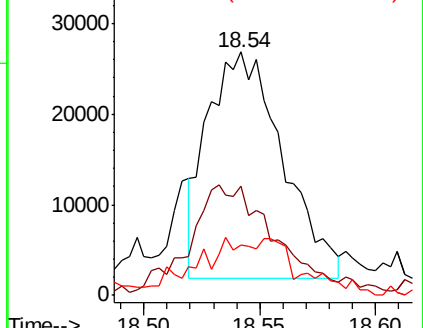
91 100

92 60.0 43.8 65.8

134 35.7 18.0 27.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): VL0



#74

1,2,4-Trimethylbenzene

Concen: 0.107 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.03 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

Tgt Ion: 105 Resp: 41098

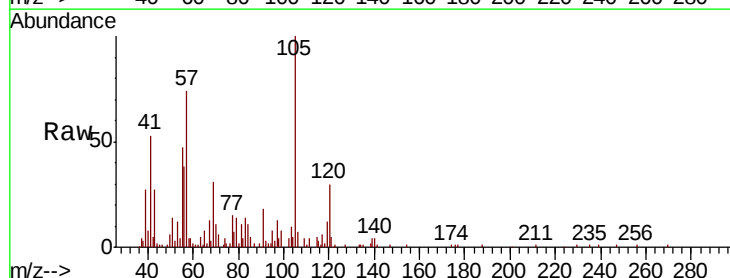
Ion Ratio Lower Upper

105 100

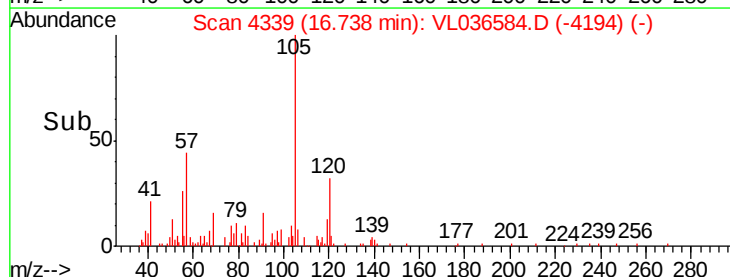
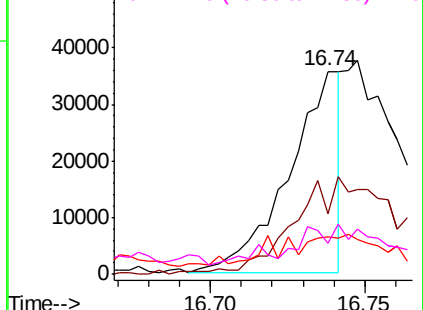
120 29.1 39.2 58.8#

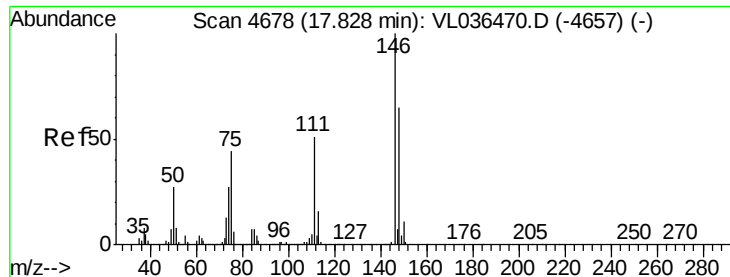
91 13.6 42.6 64.0#

77 5.6 18.6 28.0#



Abundance Ion 105.10 (104.80 to 105.80): VL0
Ion 120.20 (119.90 to 120.90): VL0
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0





#77

1,2-Dichlorobenzene

Concen: 0.024 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.04 min

Lab File: VL036584.D

Acq: 31 Mar 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

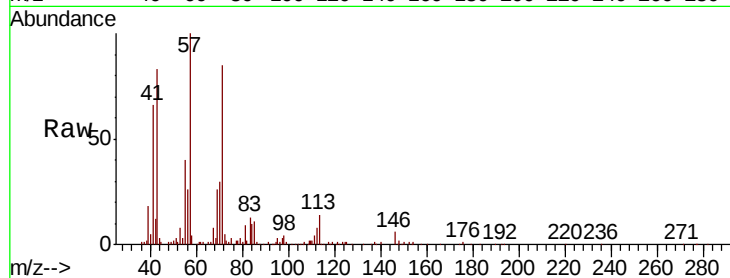
Tot Ion:146 Resp: 4910

Ion Ratio Lower Upper

146 100

111 0.0 25.5 76.5#

148 0.0 32.9 98.6#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

