

Data File : VL036789.D

Acq On : 12 Apr 2021 14:40

Operator : SY/AP

Sample : M1877-10 2X

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-7(2021)

Quant Time: Apr 12 16:38:50 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	5.68	49	1574008	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3825100	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3069207	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2039171	8.34	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	24256	0.094	ppbv	99
3) Chlorodifluoromethane	3.00	51	49118	0.167	ppbv	92
4) Chloromethane	3.15	50	22304	0.215	ppbv	92
7) Chloroethane	3.56	64	1306	0.036	ppbv #	61
9) Propene	3.01	41	158754	1.693	ppbv	97
10) Heptane	8.14	43	27077	0.113	ppbv #	28
11) Trichlorofluoromethane	3.96	101	25259	0.097	ppbv	89
13) Ethanol	3.64	45	12268855	1098.933	ppbv	95
15) Acetone	3.85	43	10838868	69.965	ppbv	96
16) 1,3-Butadiene	3.32	39	24914	0.231	ppbv #	63
17) tert-Butyl alcohol	4.33	59	213842	1.586	ppbv #	72
19) Isopropyl Alcohol	4.01	45	4258622	49.972	ppbv #	95
20) Methylene Chloride	4.36	84	398718	5.497	ppbv	94
21) Allyl Chloride	4.38	41	110792	0.897	ppbv #	20
23) Vinyl Acetate	5.07	43	539126	2.034	ppbv #	1
25) Ethyl Acetate	5.70	43	501156	1.361	ppbv #	79
26) Hexane	5.70	57	693852	4.060	ppbv #	46
29) Chloroform	5.77	83	21833	0.080	ppbv	94
30) Cyclohexane	7.14	84	52955	0.382	ppbv #	1
34) 2-Butanone	5.26	43	39329	0.211	ppbv #	55
36) Benzene	6.90	78	155498	0.441	ppbv #	86
39) 1,2-Dichloropropane	7.19	63	979001	6.841	ppbv #	25
40) 1,4-Dioxane	7.85	88	1700	0.051	ppbv #	1
41) Tetrahydrofuran	6.07	42	4085	0.047	ppbv #	1
44) 2,2,4-Trimethylpentane	7.88	57	2058085	3.315	ppbv	97
50) 4-Methyl-2-Pentanone	8.76	43	8367	0.031	ppbv #	40
51) 2-Hexanone	10.17	43	4336	0.032	ppbv #	1
53) Toluene	9.82	91	164194	0.437	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	4623	0.033	ppbv #	1
58) Ethyl Benzene	12.73	91	68544	0.154	ppbv	92
59) m/p-Xylene	13.01	91	36814	0.095	ppbv #	32
60) o-Xylene	13.72	91	29482	0.078	ppbv #	31
61) Styrene	13.55	104	42673	0.225	ppbv #	43
62) Isopropylbenzene	14.69	105	26401	0.052	ppbv #	32
63) 1,1,2,2-Tetrachloroethane	13.70	83	14572	0.051	ppbv #	44
64) n-propylbenzene	15.58	120	18243	0.147	ppbv #	41
65) tert-Butylbenzene	16.77	119	42333	0.096	ppbv #	28
67) sec-Butylbenzene	17.32	105	68870	0.111	ppbv	93
69) p-Isopropyltoluene	17.68	119	46957	0.097	ppbv #	15
70) n-Butylbenzene	18.58	91	42994	0.086	ppbv #	4
72) 4-Ethyltoluene	15.86	105	97240	0.236	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041221\
Quantitation Report (Not Reviewed)

Data File : VL036789.D
Acq On : 12 Apr 2021 14:40
Operator : SY/AP
Sample : M1877-10 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-7(2021)

Quant Time: Apr 12 16:38:50 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

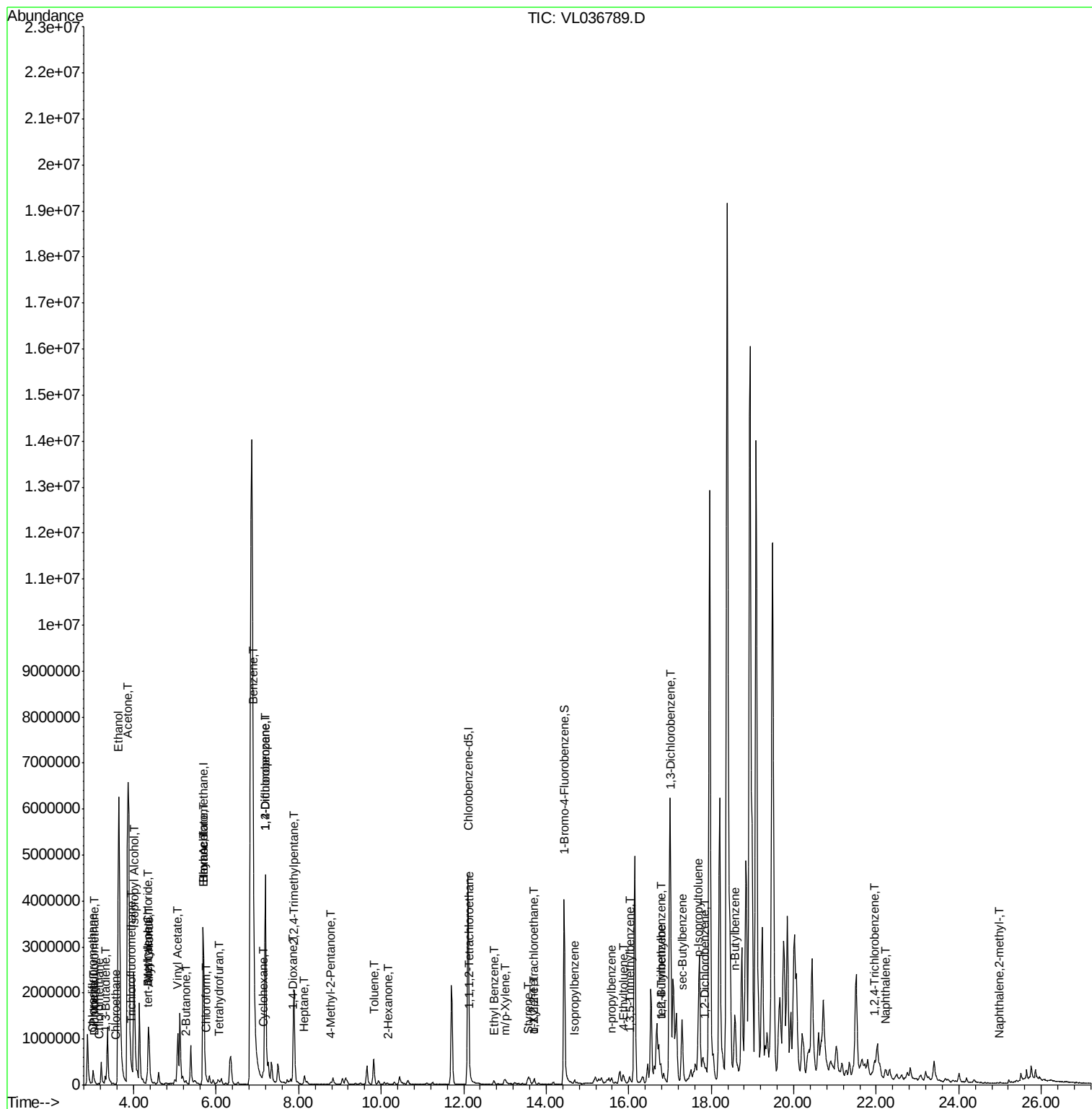
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	16.02	105	95695	0.248	ppbv	91
74) 1,2,4-Trimethylbenzene	16.78	105	242784	0.589	ppbv #	72
75) 1,3-Dichlorobenzene	17.02	146	7102	0.031	ppbv #	1
77) 1,2-Dichlorobenzene	17.84	146	12064	0.055	ppbv #	11
79) Naphthalene	22.23	128	9151	0.038	ppbv #	77
80) Naphthalene,2-methyl-	24.99	142	4283	0.090	ppbv #	49
81) 1,2,4-Trichlorobenzene	21.97	180	9438	0.064	ppbv #	1

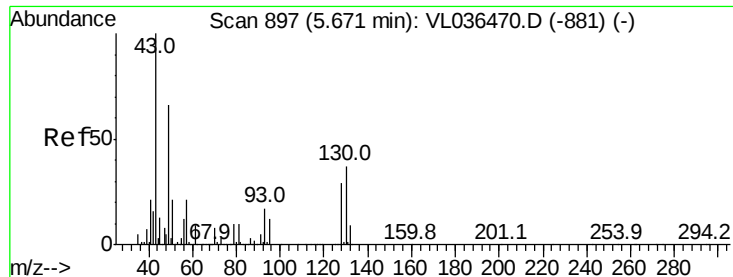
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-7(2021)

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-7(2021)

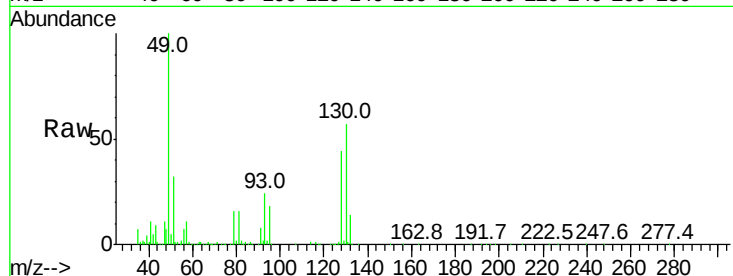
Tgt Ion: 49 Resp: 1574008

Ion Ratio Lower Upper

49 100

128 45.4 23.5 70.6

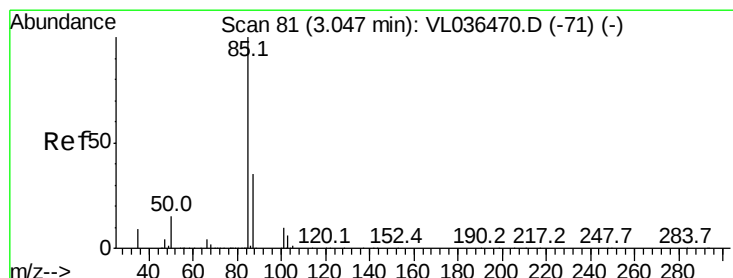
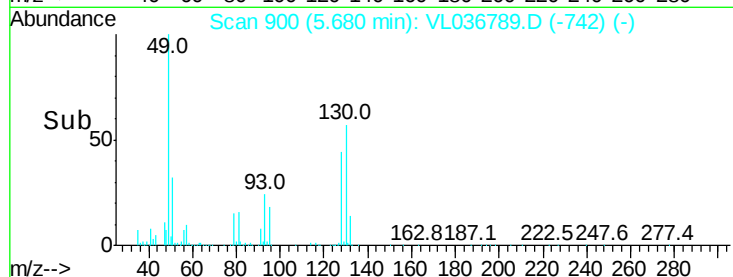
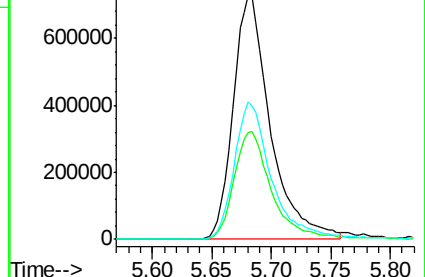
130 56.8 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.094 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL036789.D

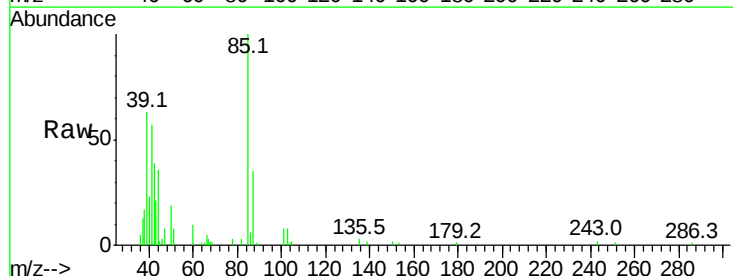
Acq: 12 Apr 2021 14:40

Tgt Ion: 85 Resp: 24256

Ion Ratio Lower Upper

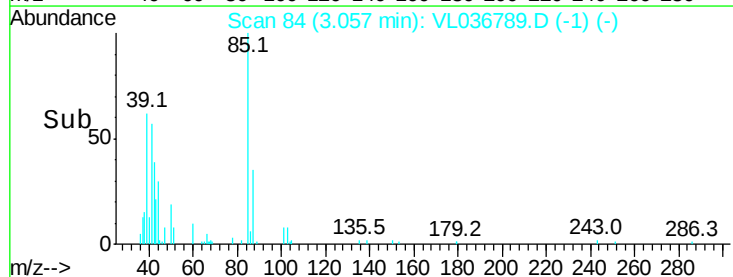
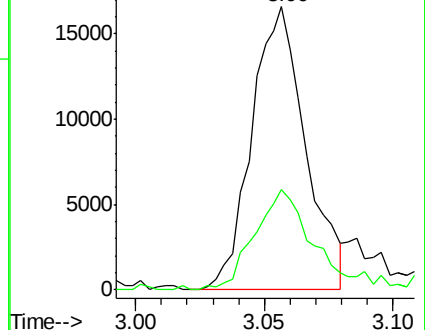
85 100

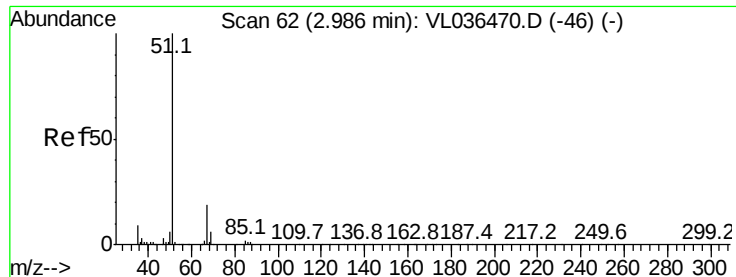
87 35.4 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

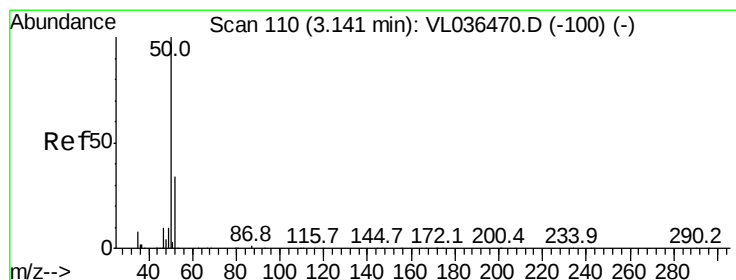
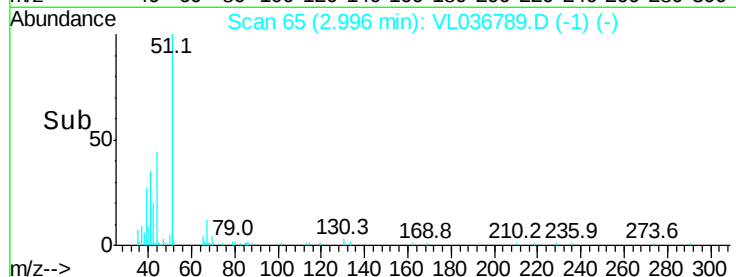
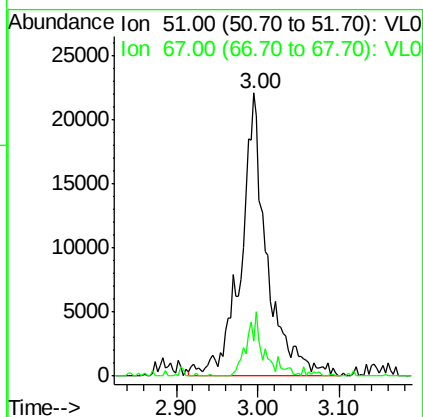
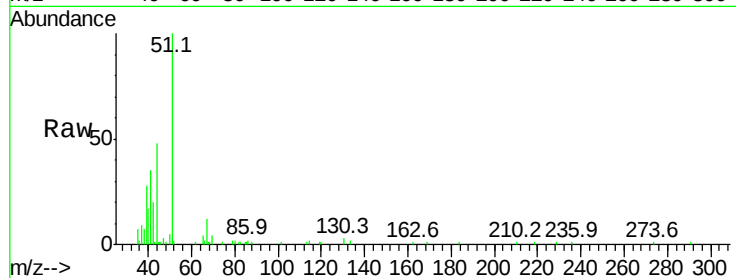




#3
Chlorodifluoromethane
Concen: 0.167 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.01 min
Lab File: VL036789.D
Acq: 12 Apr 2021 14:40

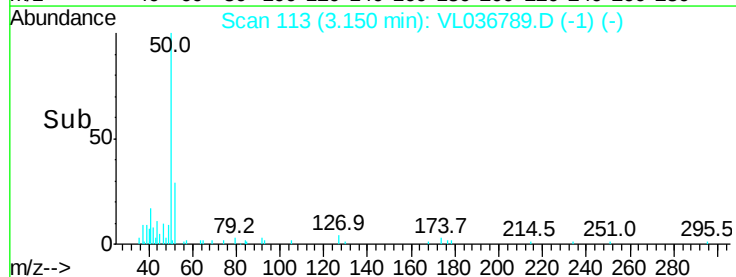
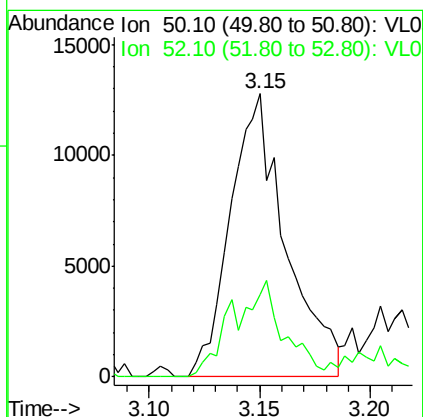
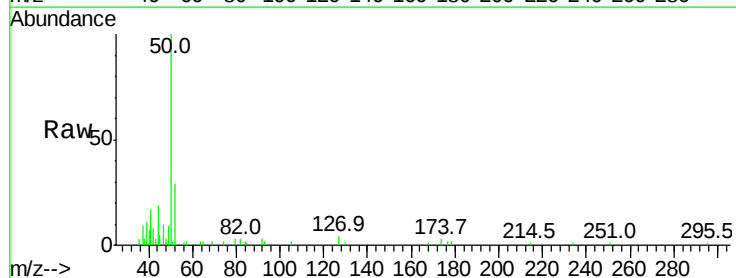
Instrument :
MSVOA_L
ClientSampleId :
UP-SG-7(2021)

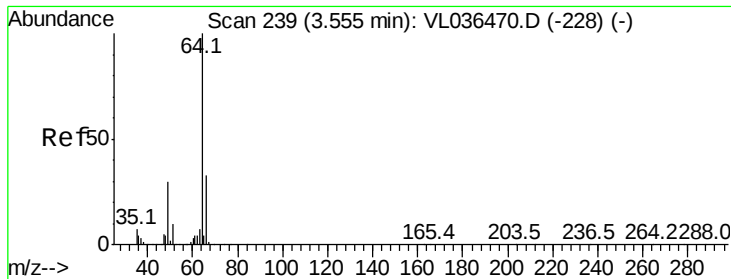
Tgt Ion: 51 Resp: 49118
Ion Ratio Lower Upper
51 100
67 15.0 14.7 22.1



#4
Chloromethane
Concen: 0.215 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.01 min
Lab File: VL036789.D
Acq: 12 Apr 2021 14:40

Tgt Ion: 50 Resp: 22304
Ion Ratio Lower Upper
50 100
52 29.0 27.0 40.6





#7

Chloroethane

Concen: 0.036 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

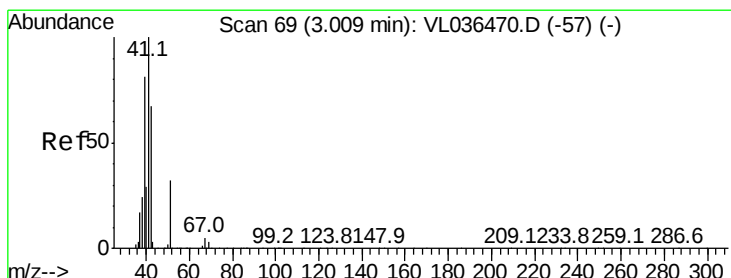
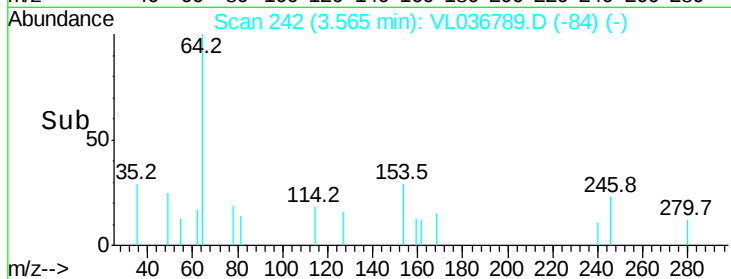
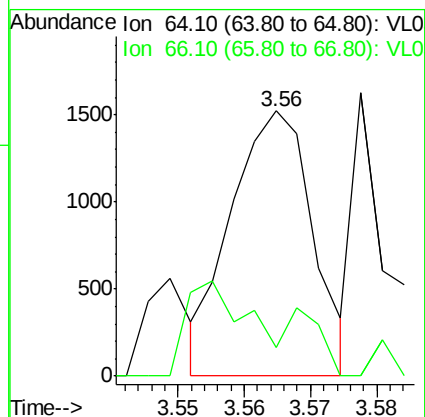
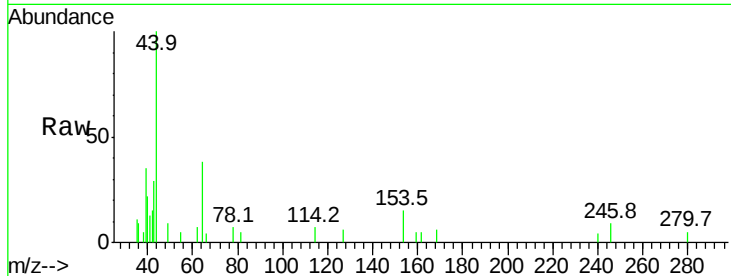
UP-SG-7(2021)

Tgt Ion: 64 Resp: 1306

Ion Ratio Lower Upper

64 100

66 10.9 26.2 39.2#



#9

Propene

Concen: 1.693 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036789.D

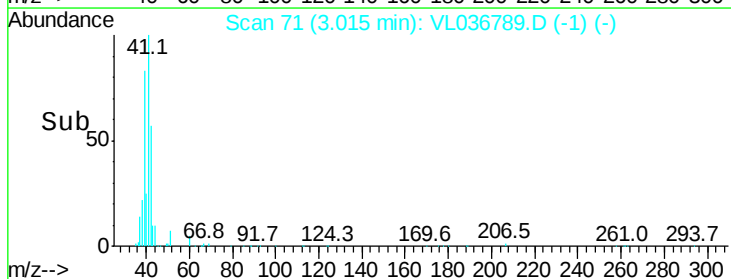
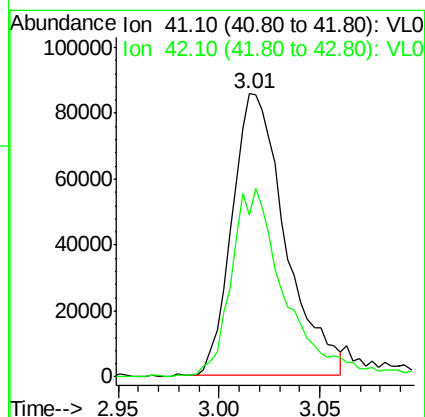
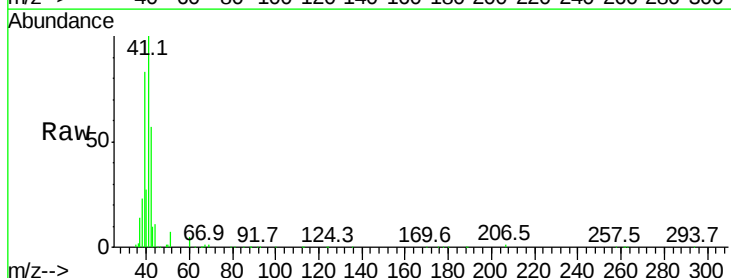
Acq: 12 Apr 2021 14:40

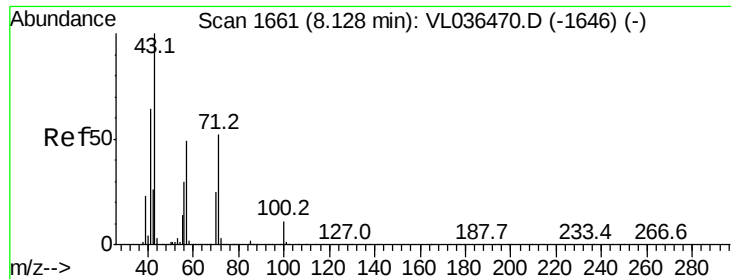
Tgt Ion: 41 Resp: 158754

Ion Ratio Lower Upper

41 100

42 68.4 57.0 85.4

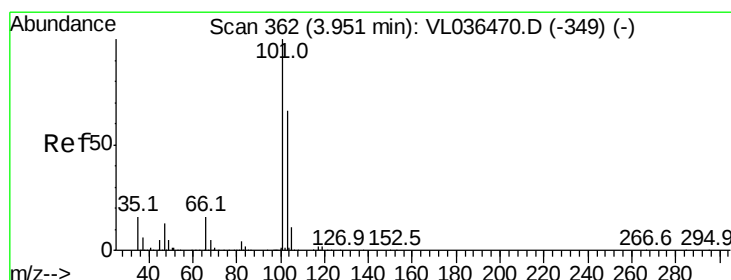
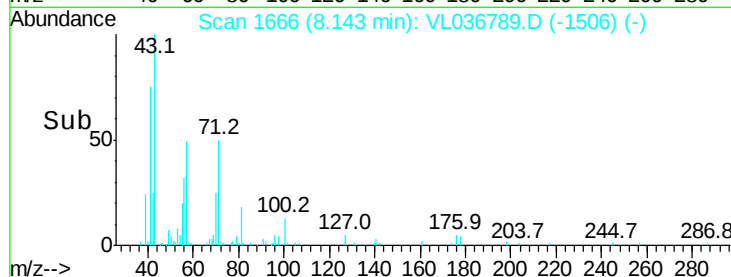
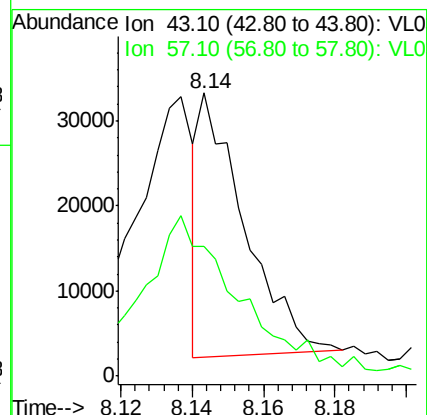
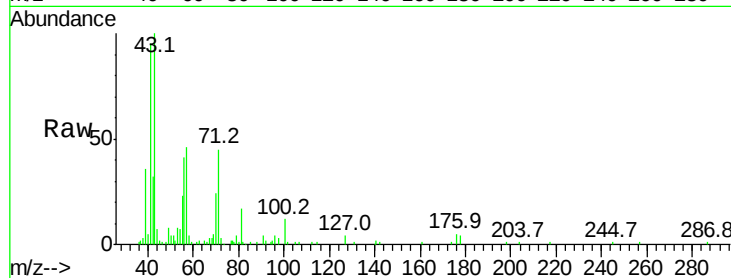




#10
Heptane
Concen: 0.113 ppbv
RT: 8.14 min Scan# 1666
Delta R.T. 0.02 min
Lab File: VL036789.D
Acq: 12 Apr 2021 14:40

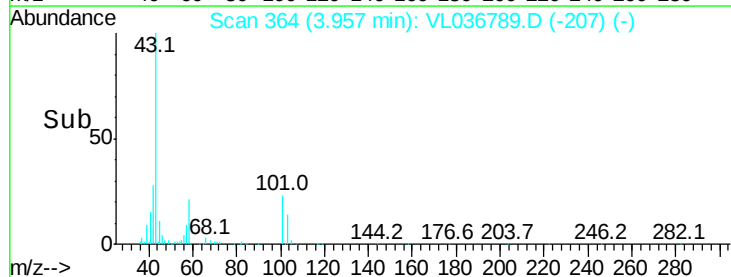
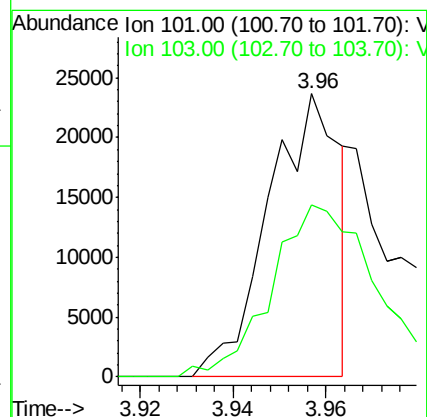
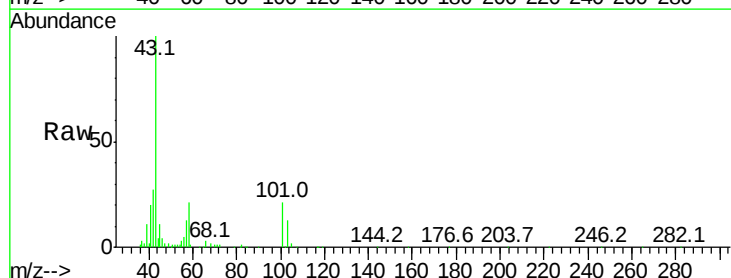
Instrument :
MSVOA_L
ClientSampleId :
UP-SG-7(2021)

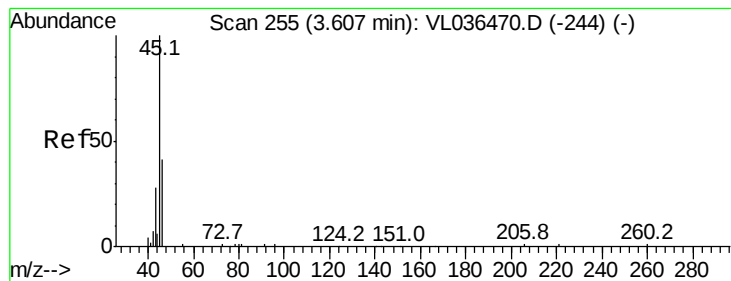
Tgt Ion: 43 Resp: 27077
Ion Ratio Lower Upper
43 100
57 0.0 39.0 58.6#



#11
Trichlorofluoromethane
Concen: 0.097 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VL036789.D
Acq: 12 Apr 2021 14:40

Tgt Ion: 101 Resp: 25259
Ion Ratio Lower Upper
101 100
103 56.9 52.5 78.7





#13

Ethanol

Concen: 1098.933 ppbv

RT: 3.64 min Scan# 265

Delta R.T. 0.03 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

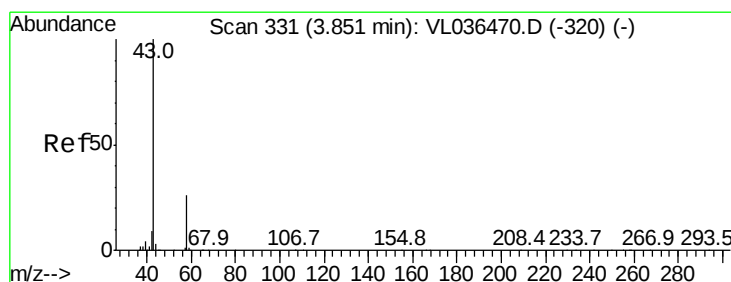
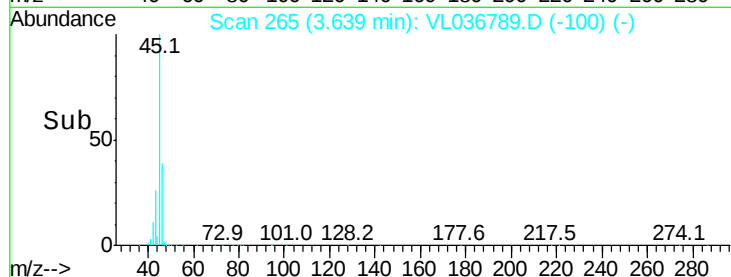
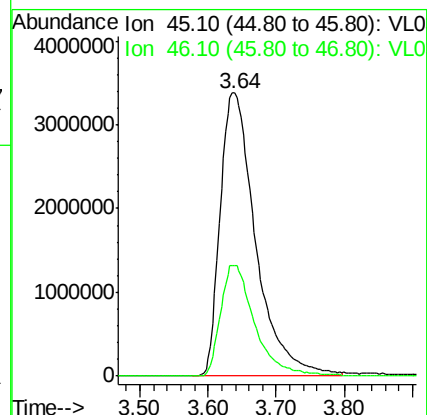
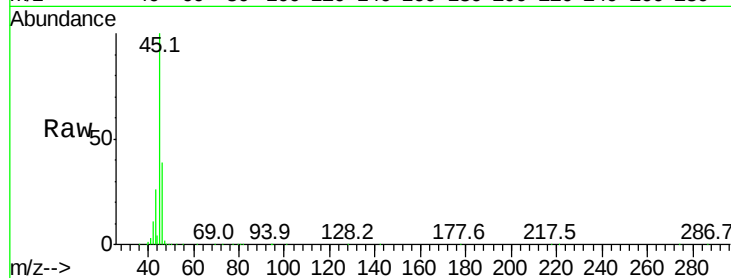
UP-SG-7(2021)

Tgt Ion: 45 Resp:12268855

Ion Ratio Lower Upper

45 100

46 38.1 16.6 66.2



#15

Acetone

Concen: 69.965 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL036789.D

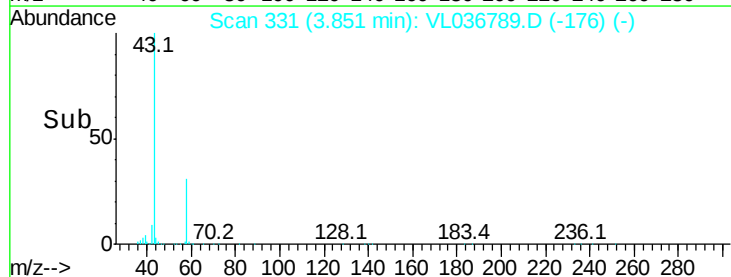
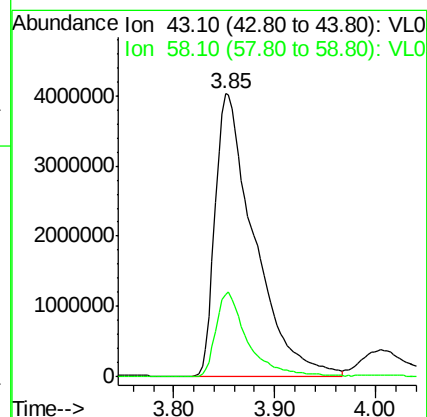
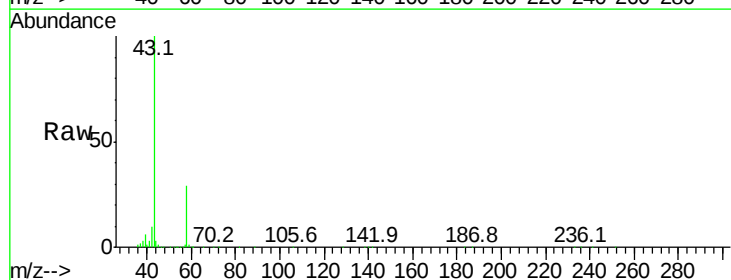
Acq: 12 Apr 2021 14:40

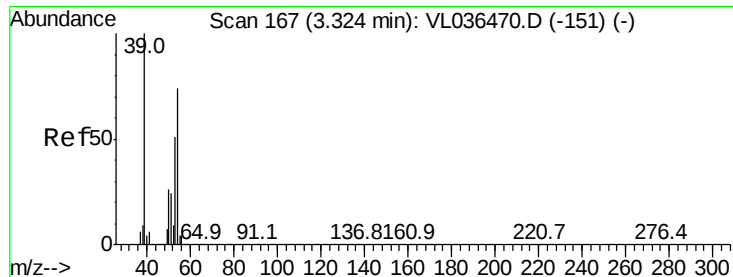
Tgt Ion: 43 Resp:10838868

Ion Ratio Lower Upper

43 100

58 24.5 21.2 31.8

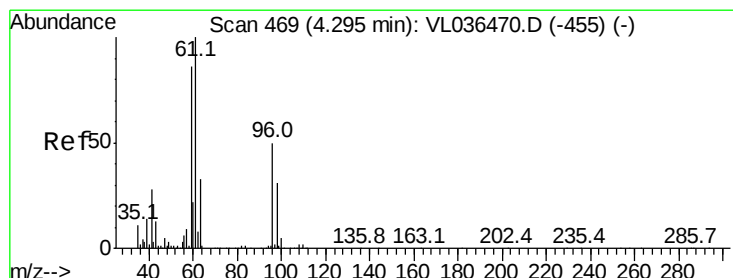
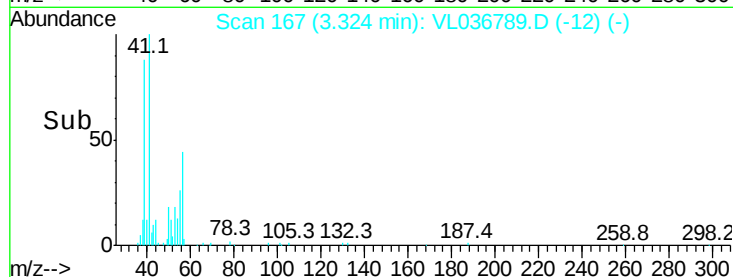
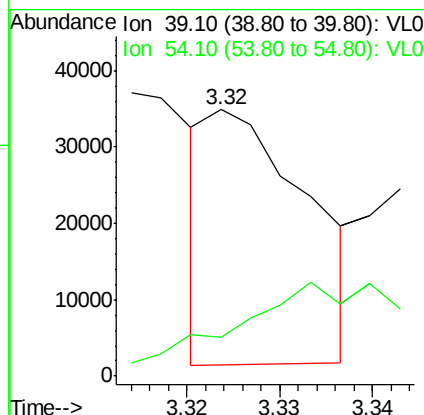
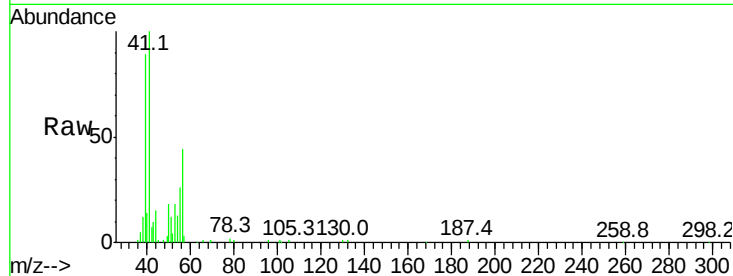




#16
 1,3-Butadiene
 Concen: 0.231 ppbv
 RT: 3.32 min Scan# 167
 Delta R.T. -0.00 min
 Lab File: VL036789.D
 Acq: 12 Apr 2021 14:40

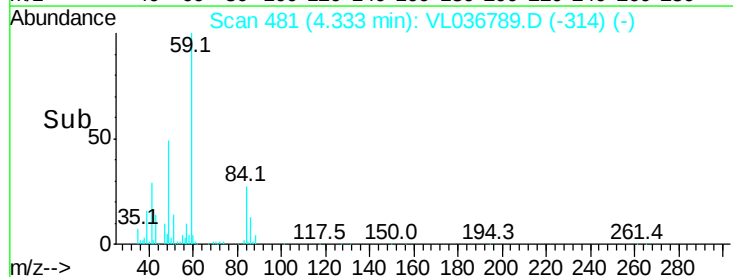
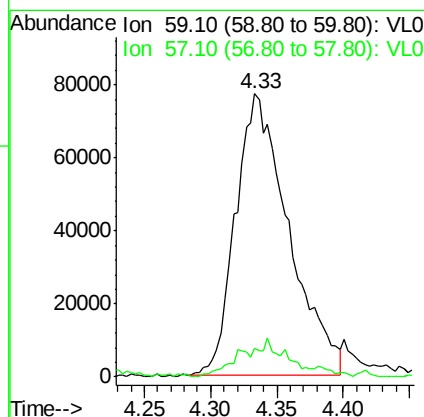
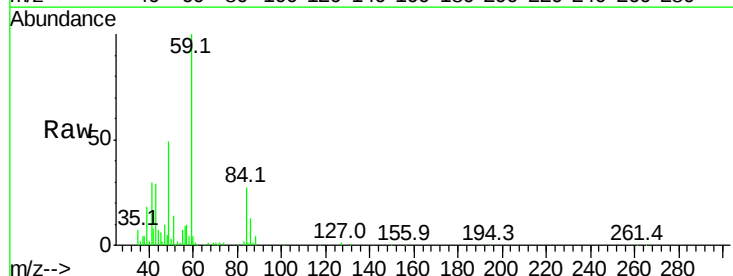
Instrument :
 MSVOA_L
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 UP-SG-7(2021)

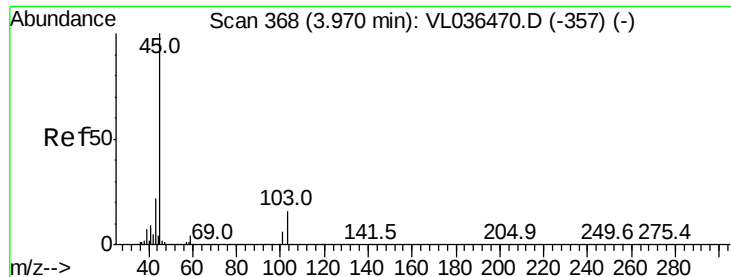
Tgt Ion: 39 Resp: 24914
 Ion Ratio Lower Upper
 39 100
 54 105.0 58.8 88.2#



#17
 tert-Butyl alcohol
 Concen: 1.586 ppbv
 RT: 4.33 min Scan# 481
 Delta R.T. 0.04 min
 Lab File: VL036789.D
 Acq: 12 Apr 2021 14:40

Tgt Ion: 59 Resp: 213842
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 49.972 ppbv

RT: 4.01 min Scan# 379

Delta R.T. 0.04 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

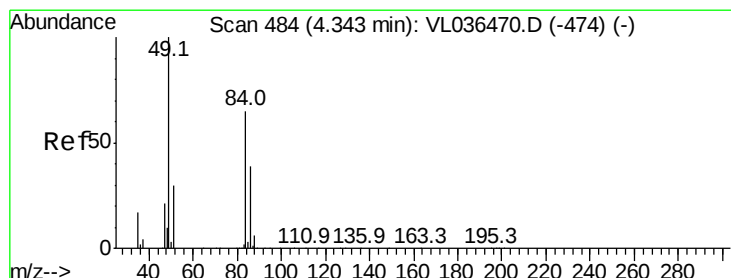
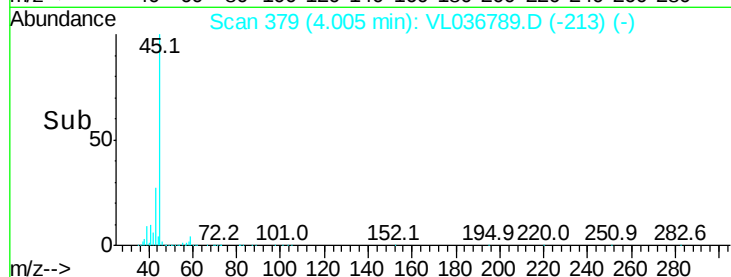
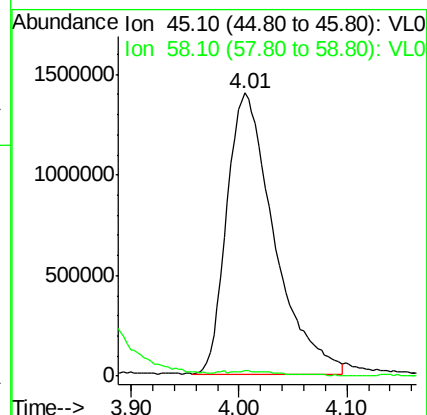
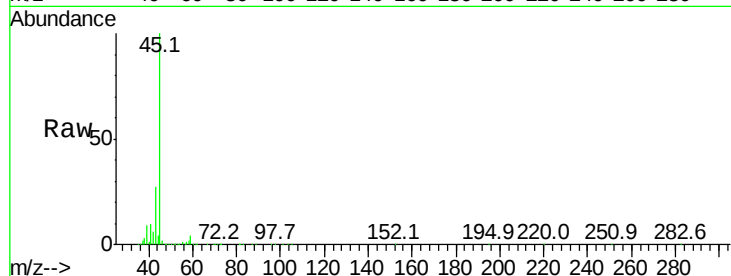
UP-SG-7(2021)

Tgt Ion: 45 Resp: 4258622

Ion Ratio Lower Upper

45 100

58 2.1 2.9 4.3#



#20

Methylene Chloride

Concen: 5.497 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Tgt Ion: 84 Resp: 398718

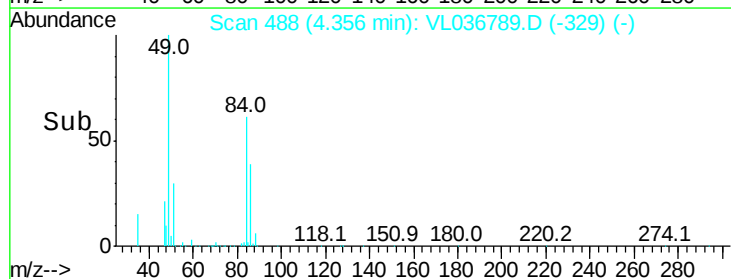
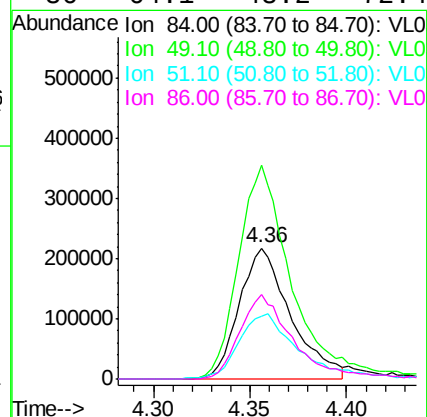
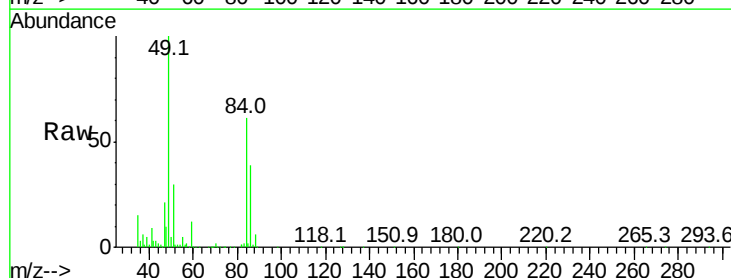
Ion Ratio Lower Upper

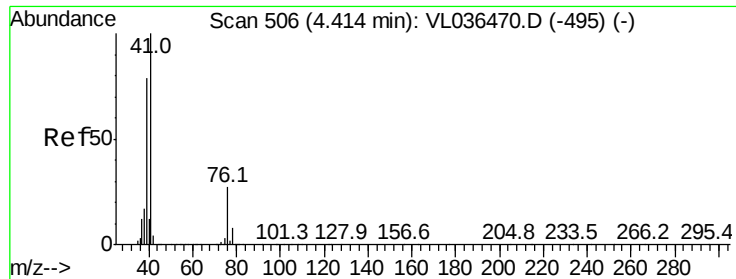
84 100

49 162.3 122.9 184.3

51 47.7 36.9 55.3

86 64.1 48.2 72.4





#21

Allyl Chloride

Concen: 0.897 ppbv

RT: 4.38 min Scan# 494

Delta R.T. -0.04 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-7(2021)

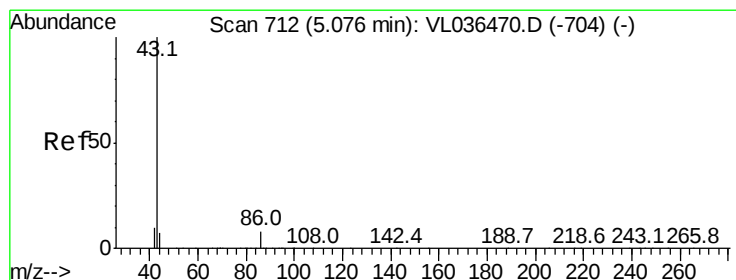
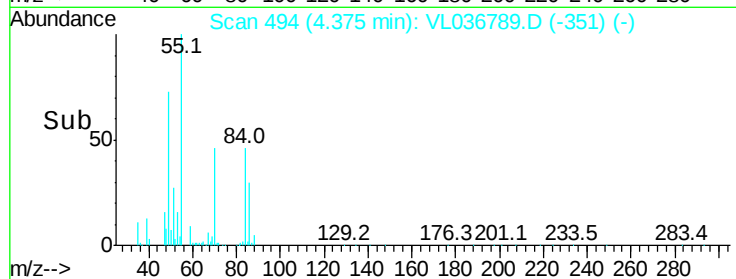
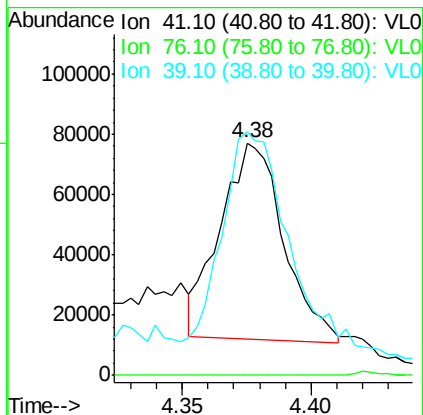
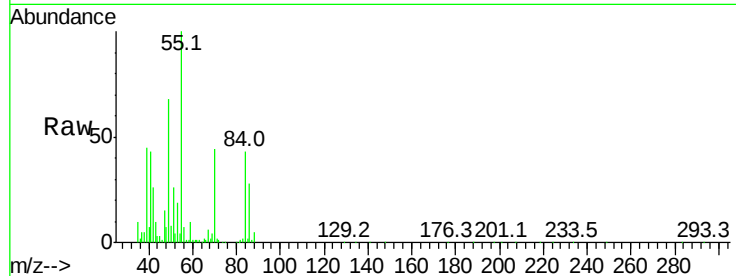
Tgt Ion: 41 Resp: 110792

Ion Ratio Lower Upper

41 100

76 1.1 22.9 34.3#

39 165.2 67.3 100.9#



#23

Vinyl Acetate

Concen: 2.034 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Tgt Ion: 43 Resp: 539126

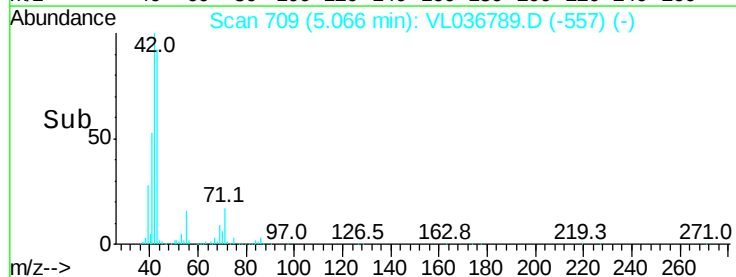
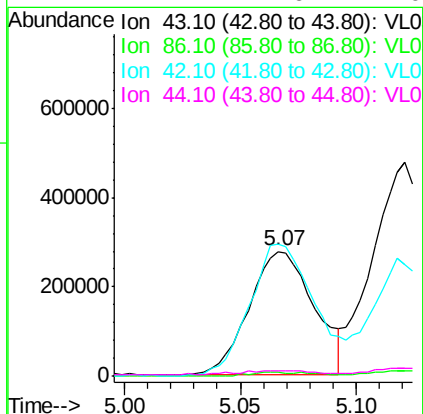
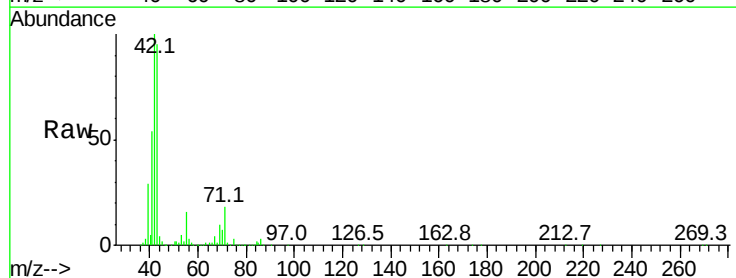
Ion Ratio Lower Upper

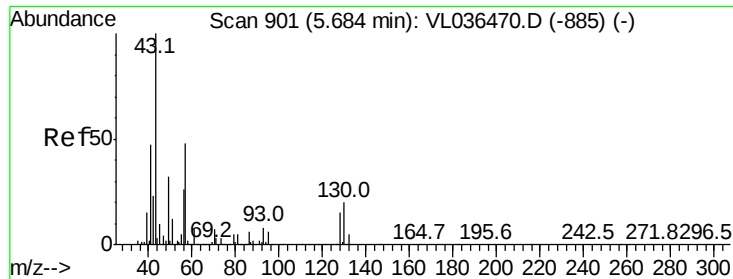
43 100

86 3.2 5.4 8.0#

42 105.9 8.5 12.7#

44 2.2 4.6 7.0#

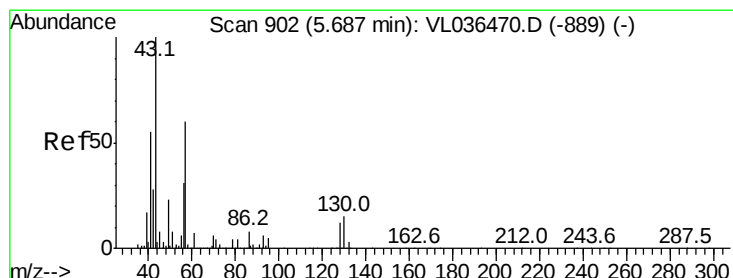
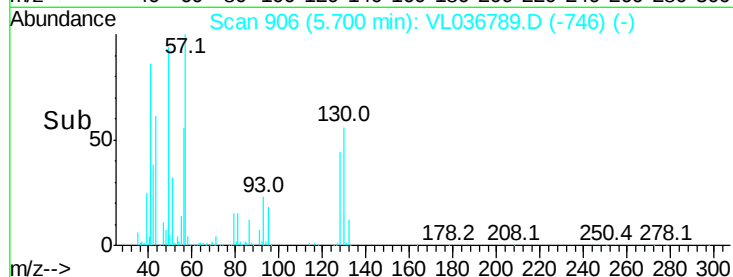
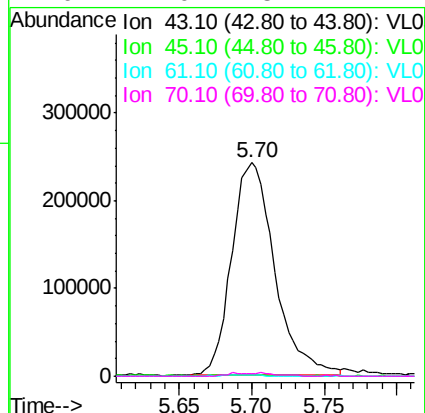
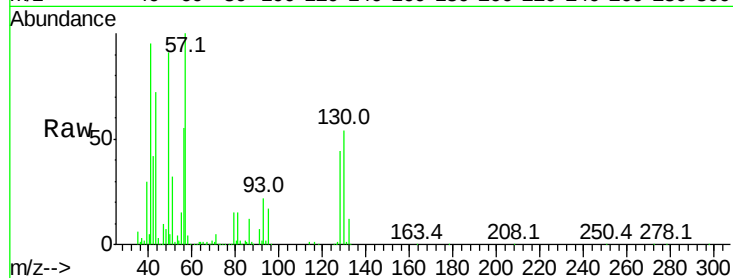




#25
Ethyl Acetate
Concen: 1.361 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL036789.D
Acq: 12 Apr 2021 14:40

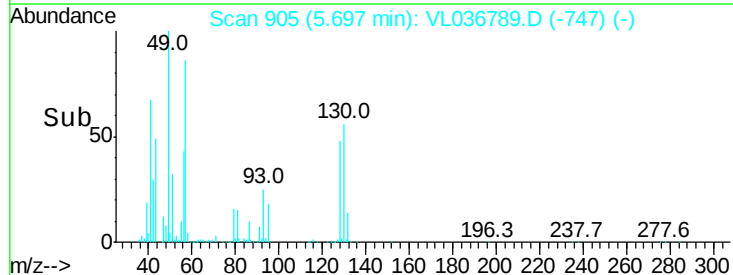
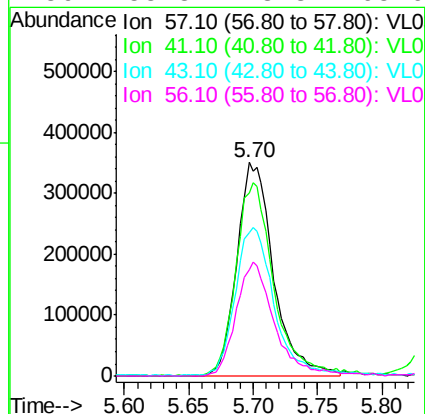
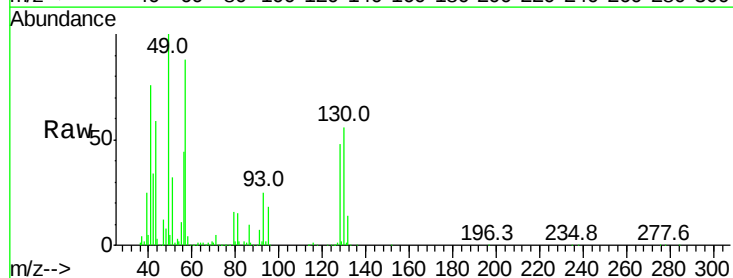
Instrument :
MSVOA_L
ClientSampleId :
UP-SG-7(2021)

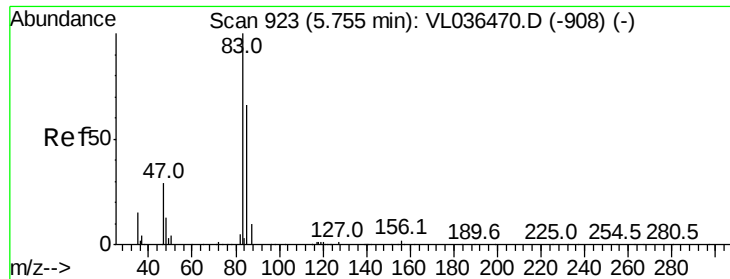
Tgt Ion:	43	Resp:	501156
Ion	Ratio	Lower	Upper
43	100		
45	1.2	7.9	11.9#
61	0.8	7.4	11.2#
70	2.0	5.1	7.7#



#26
Hexane
Concen: 4.060 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL036789.D
Acq: 12 Apr 2021 14:40

Tgt Ion:	57	Resp:	693852
Ion	Ratio	Lower	Upper
57	100		
41	94.2	77.2	115.8
43	74.6	173.8	260.6#
56	55.8	43.8	65.6

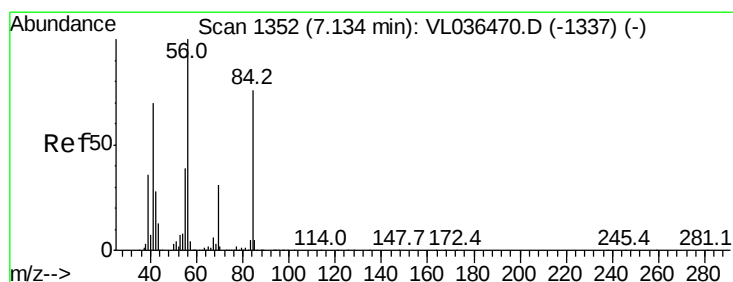
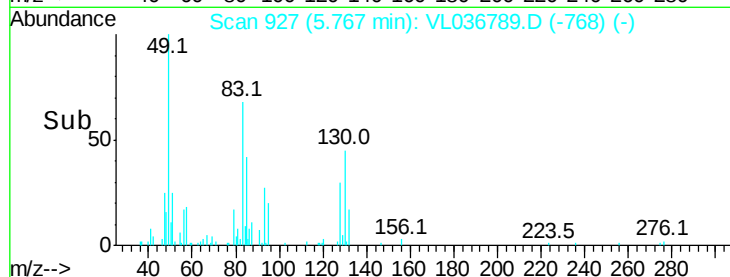
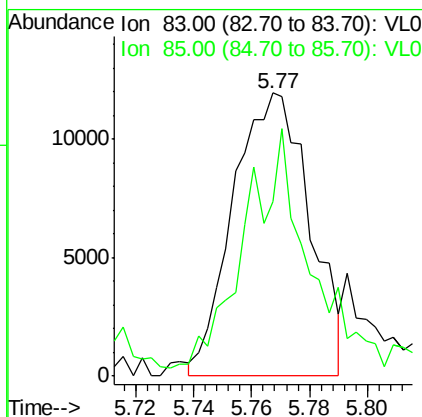
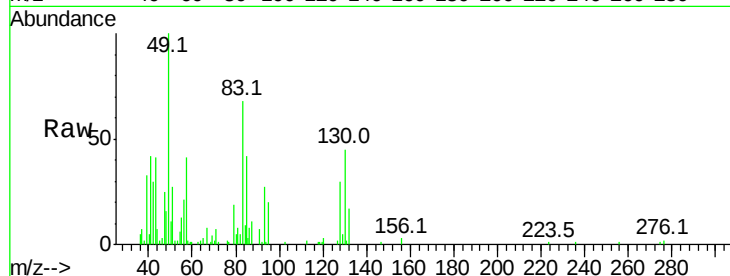




#29
Chloroform
Concen: 0.080 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL036789.D
Acq: 12 Apr 2021 14:40

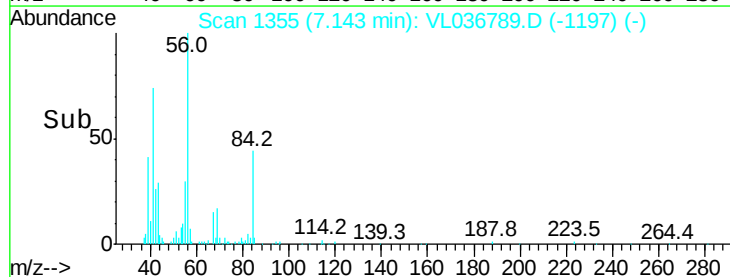
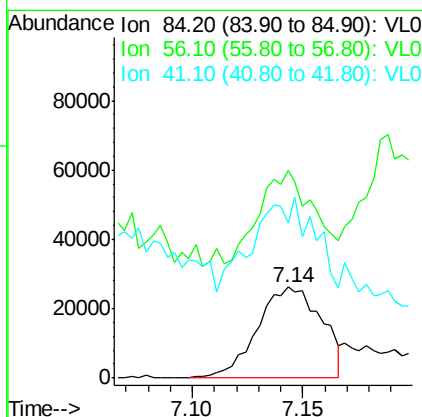
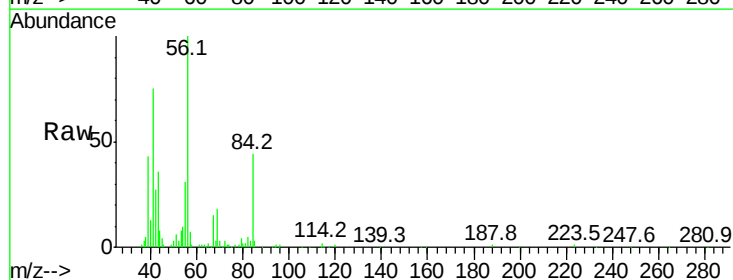
Instrument :
MSVOA_L
ClientSampleId :
UP-SG-7(2021)

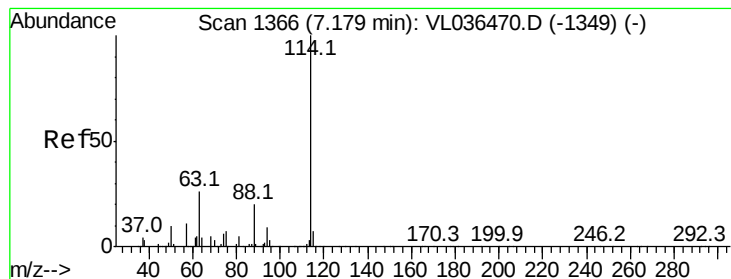
Tgt Ion: 83 Resp: 21833
Ion Ratio Lower Upper
83 100
85 60.7 52.6 78.8



#30
Cyclohexane
Concen: 0.382 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL036789.D
Acq: 12 Apr 2021 14:40

Tgt Ion: 84 Resp: 52955
Ion Ratio Lower Upper
84 100
56 0.0 114.6 171.8#
41 0.0 75.3 112.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-7(2021)

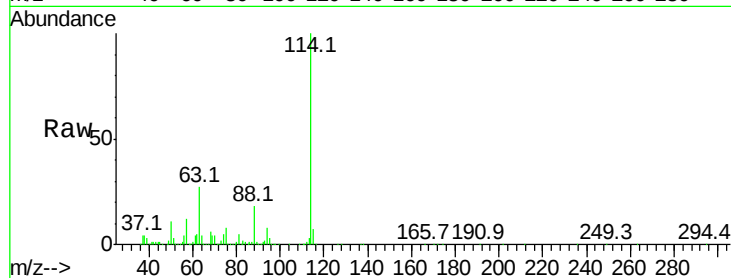
Tgt Ion:114 Resp: 3825100

Ion Ratio Lower Upper

114 100

63 26.3 22.4 33.6

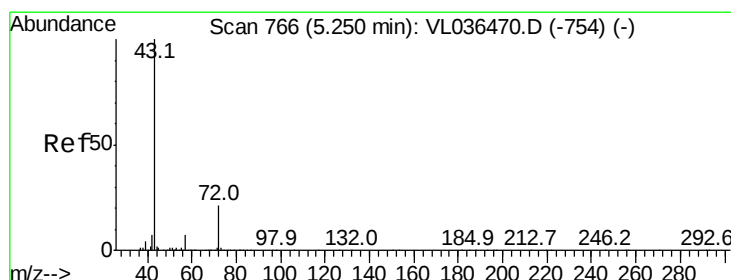
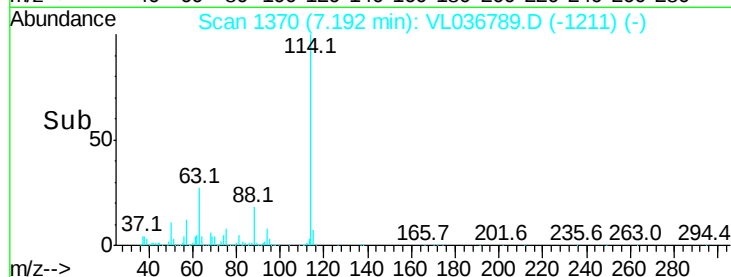
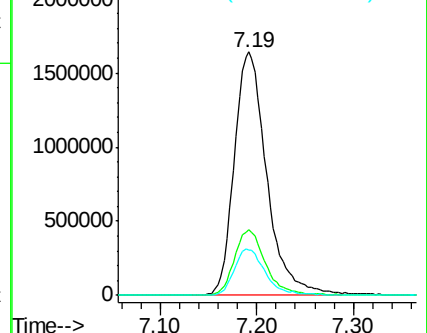
88 18.5 15.4 23.0



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: 0.211 ppbv

RT: 5.26 min Scan# 770

Delta R.T. 0.01 min

Lab File: VL036789.D

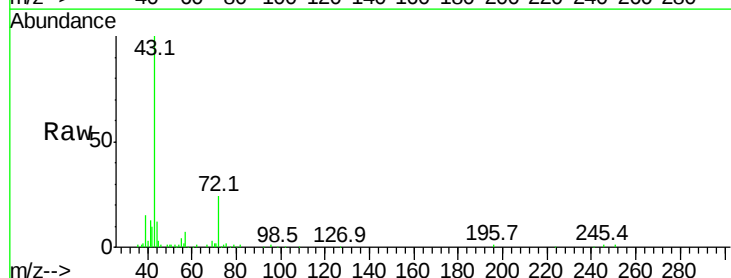
Acq: 12 Apr 2021 14:40

Tgt Ion: 43 Resp: 39329

Ion Ratio Lower Upper

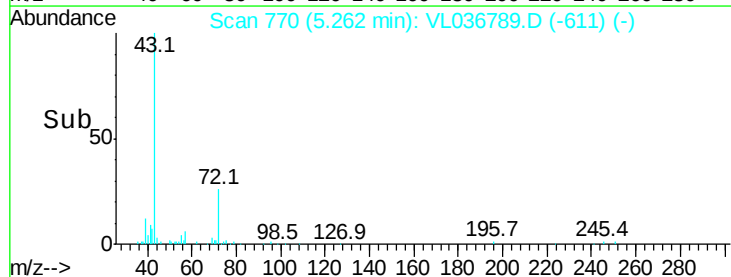
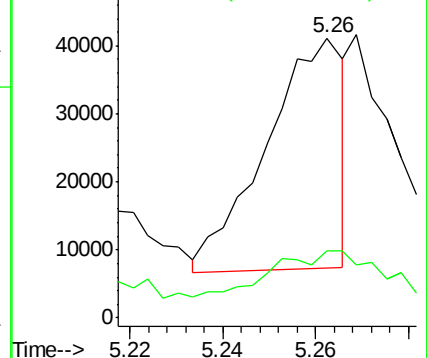
43 100

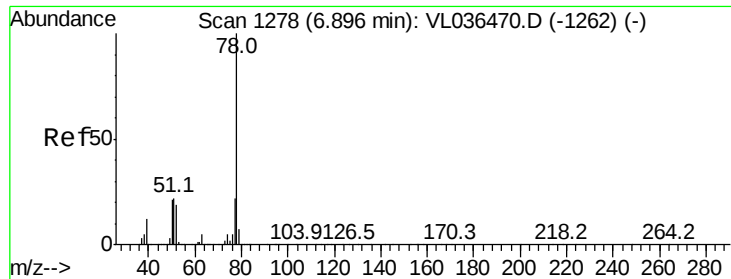
72 0.0 17.0 25.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.441 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-7(2021)

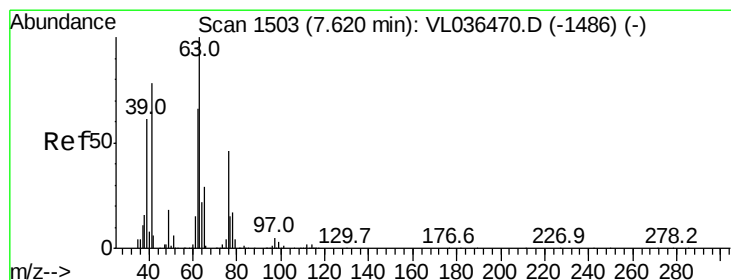
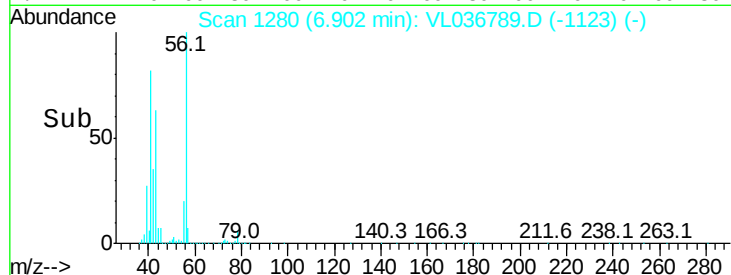
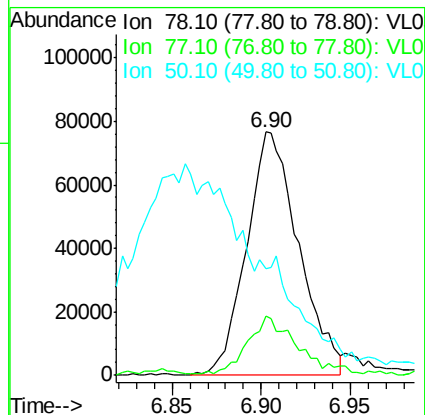
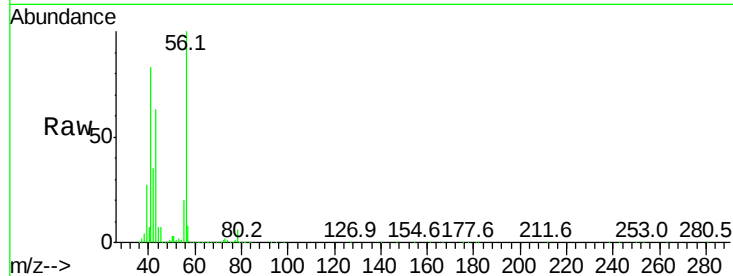
Tgt Ion: 78 Resp: 155498

Ion Ratio Lower Upper

78 100

77 23.5 18.0 27.0

50 33.1 16.5 24.7#



#39

1,2-Dichloropropane

Concen: 6.841 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.43 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

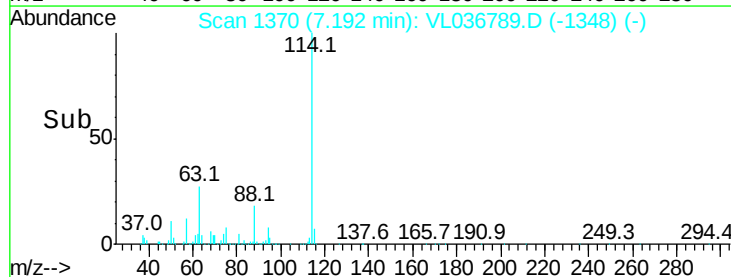
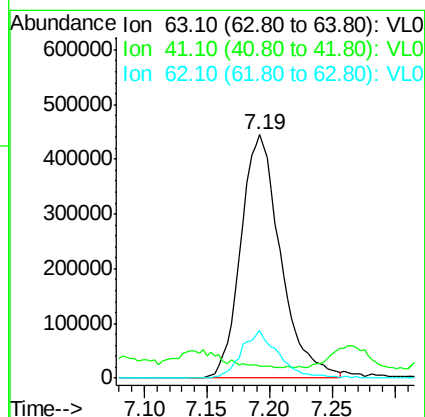
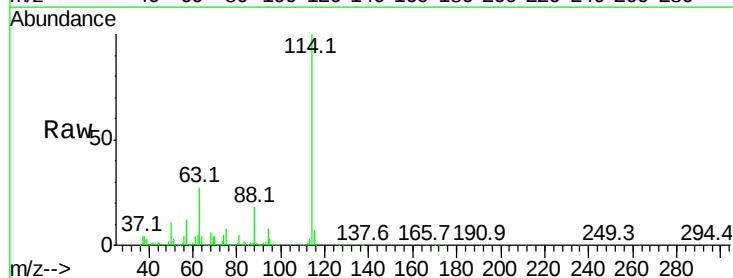
Tgt Ion: 63 Resp: 979001

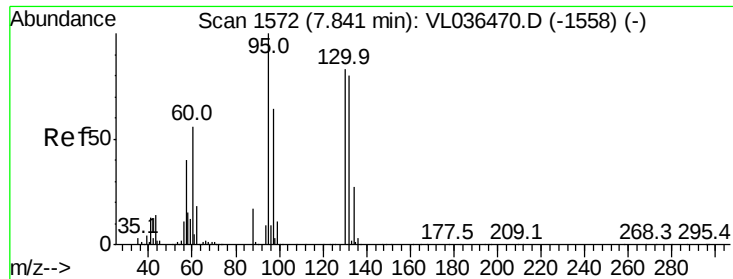
Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

62 19.7 52.8 79.2#

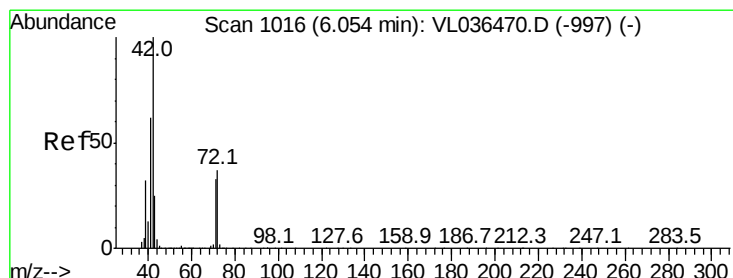
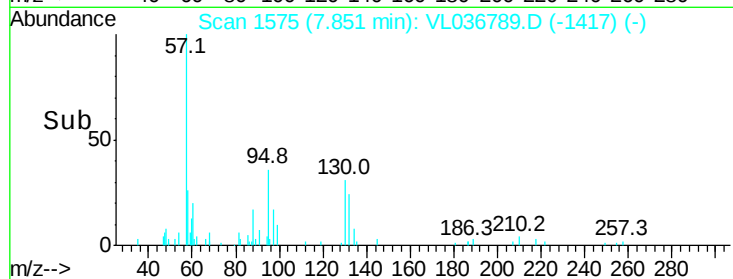
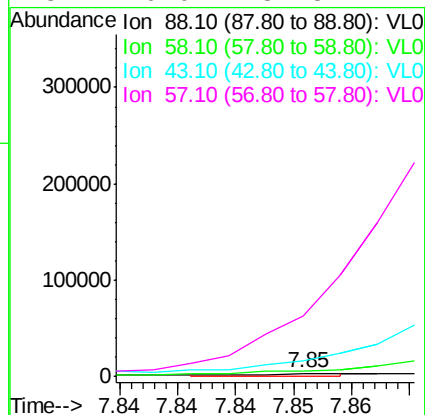
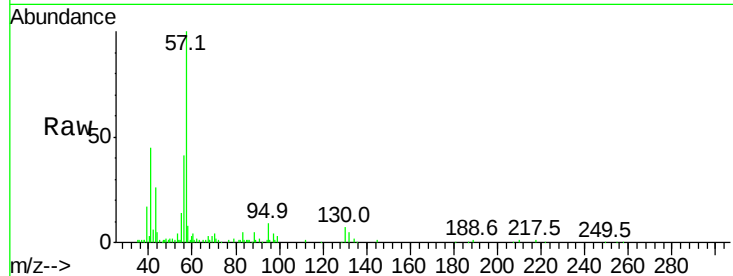




#40
1,4-Dioxane
Concen: 0.051 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VL036789.D
Acq: 12 Apr 2021 14:40

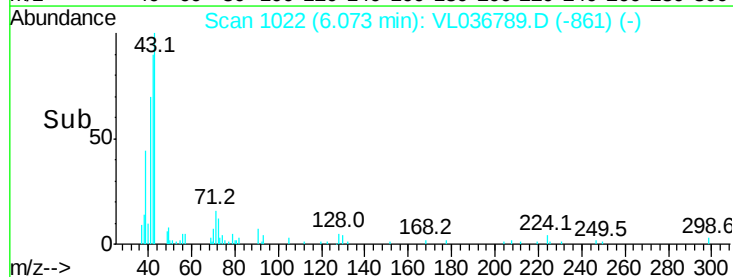
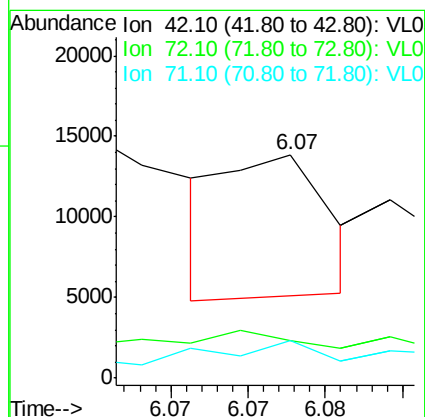
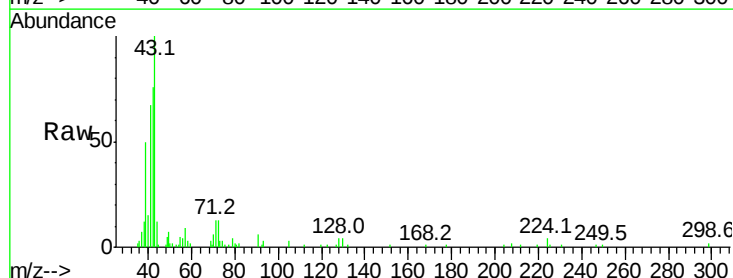
Instrument :
MSVOA_L
ClientSampleId :
UP-SG-7(2021)

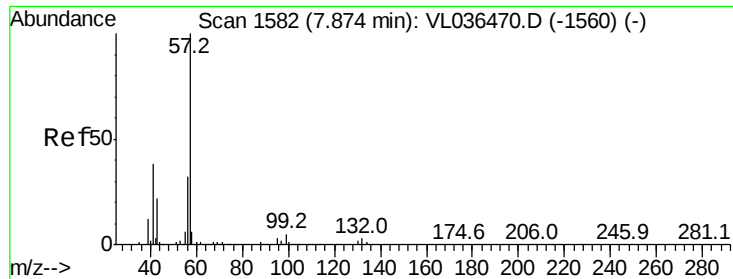
Tgt Ion: 88 Resp: 1700
Ion Ratio Lower Upper
88 100
58 0.0 134.1 201.1#
43 0.0 346.6 520.0#
57 0.0 1481.8 2222.8#



#41
Tetrahydrofuran
Concen: 0.047 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. 0.02 min
Lab File: VL036789.D
Acq: 12 Apr 2021 14:40

Tgt Ion: 42 Resp: 4085
Ion Ratio Lower Upper
42 100
72 265.2 27.6 41.4#
71 109.6 27.0 40.4#





#44

2,2,4-Trimethylpentane

Concen: 3.315 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-7(2021)

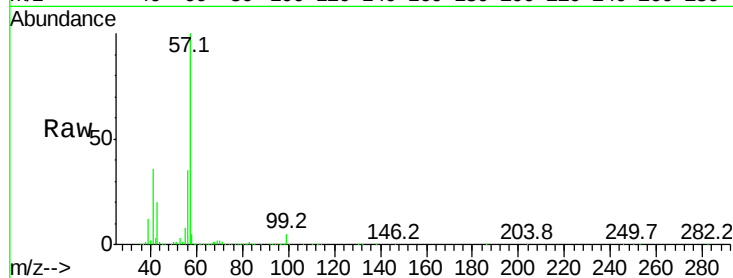
Tgt Ion: 57 Resp: 2058085

Ion Ratio Lower Upper

57 100

41 35.4 28.8 43.2

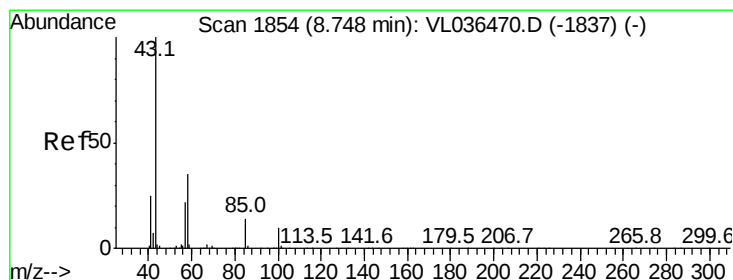
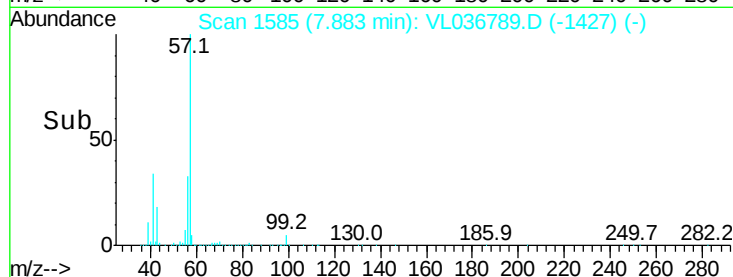
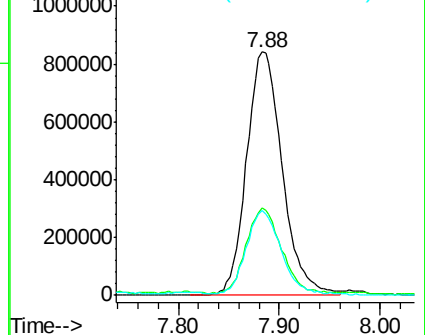
56 35.0 26.1 39.1



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#50

4-Methyl-2-Pentanone

Concen: 0.031 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.01 min

Lab File: VL036789.D

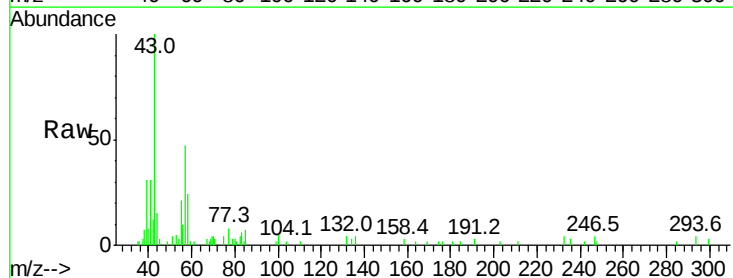
Acq: 12 Apr 2021 14:40

Tgt Ion: 43 Resp: 8367

Ion Ratio Lower Upper

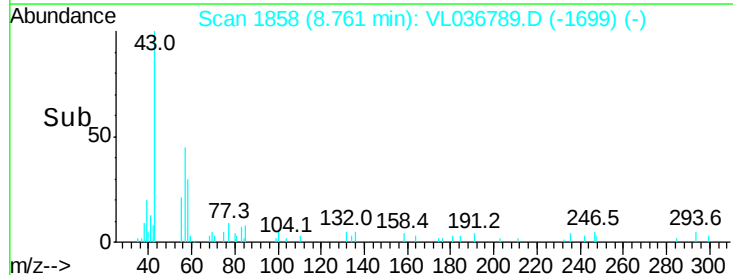
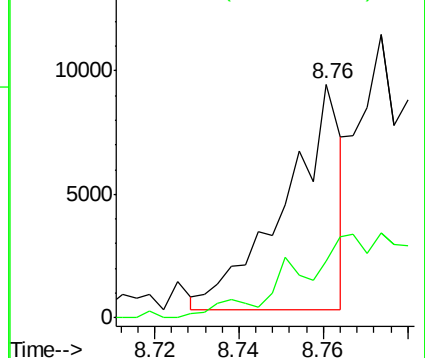
43 100

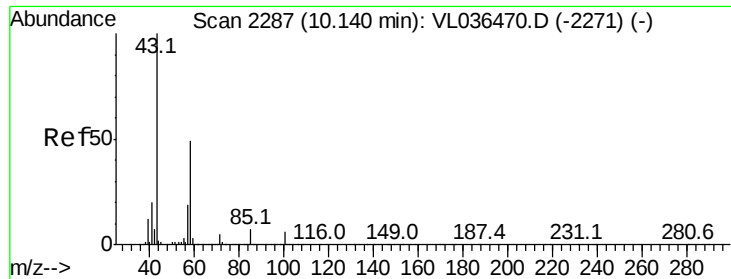
58 0.0 28.2 42.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.032 ppbv

RT: 10.17 min Scan# 2296

Delta R.T. 0.03 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-7(2021)

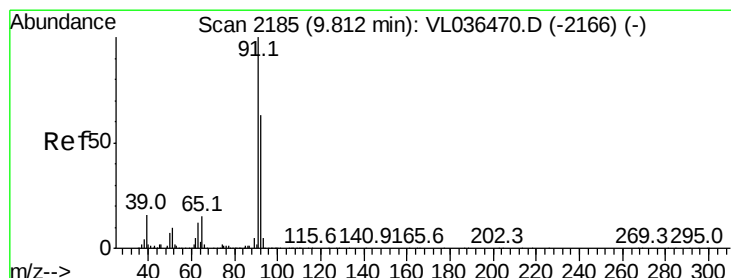
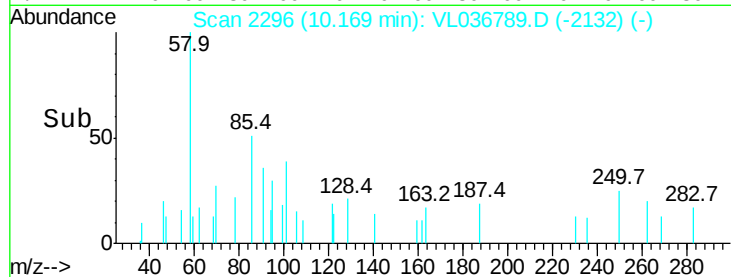
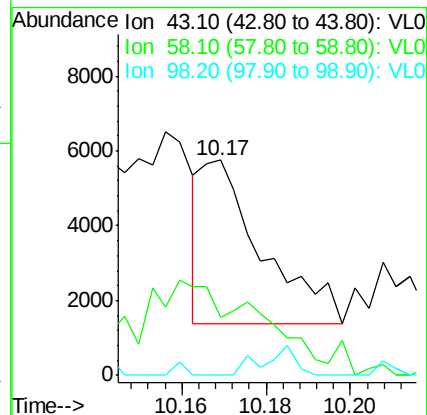
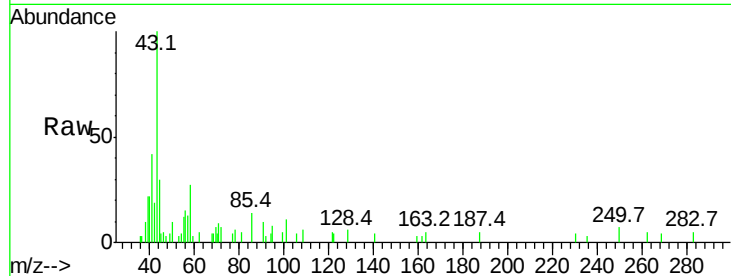
Tgt Ion: 43 Resp: 4336

Ion Ratio Lower Upper

43 100

58 148.4 37.7 56.5#

98 11.1 0.2 0.2#



#53

Toluene

Concen: 0.437 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VL036789.D

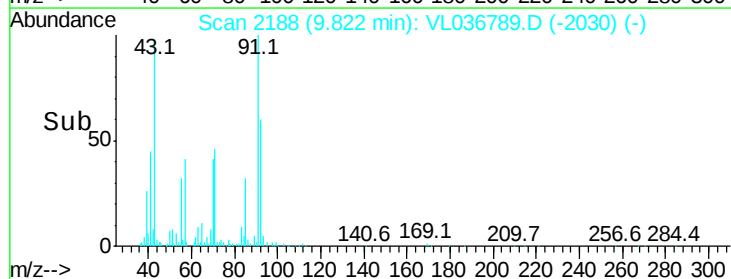
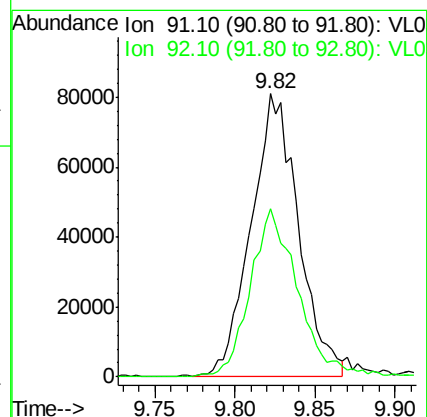
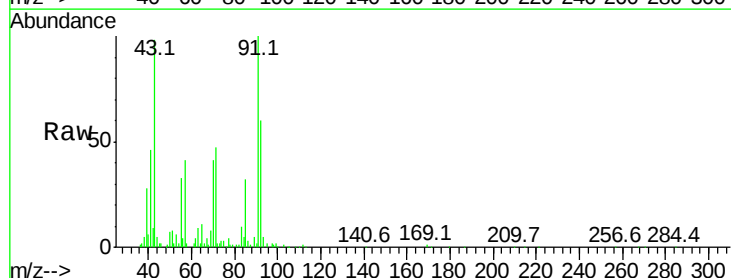
Acq: 12 Apr 2021 14:40

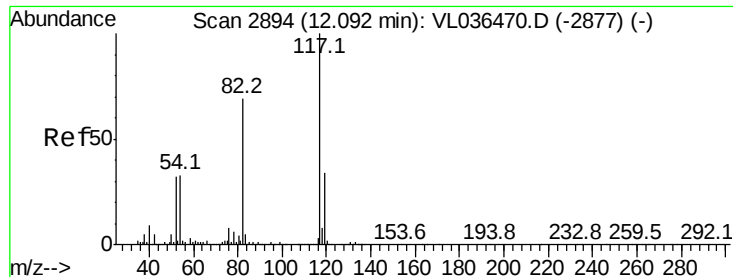
Tgt Ion: 91 Resp: 164194

Ion Ratio Lower Upper

91 100

92 60.7 48.8 73.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-7(2021)

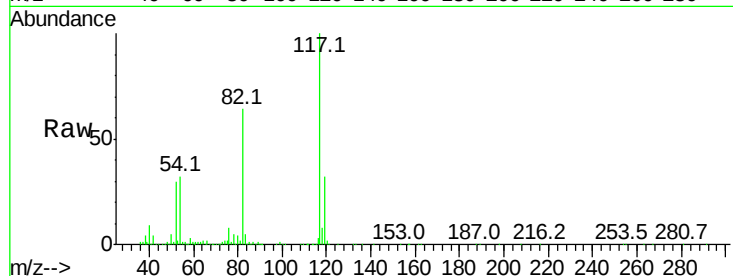
Tgt Ion:117 Resp: 3069207

Ion Ratio Lower Upper

117 100

82 67.4 57.4 86.0

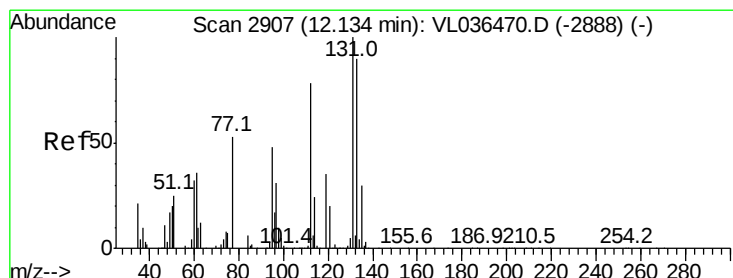
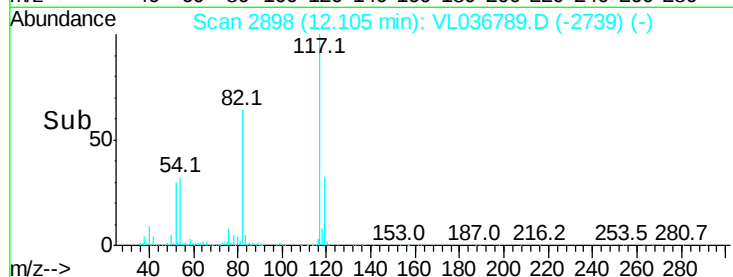
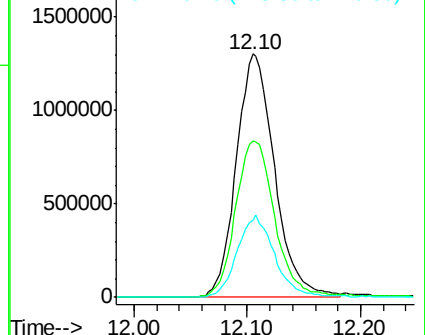
119 33.3 47.4 71.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.033 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.02 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

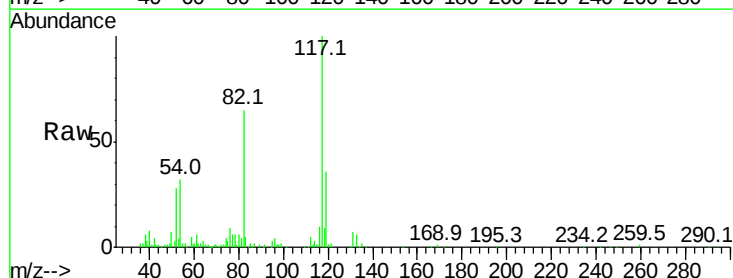
Tgt Ion:131 Resp: 4623

Ion Ratio Lower Upper

131 100

133 224.7 75.8 113.6#

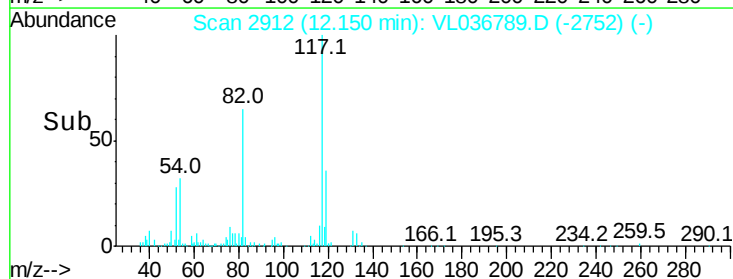
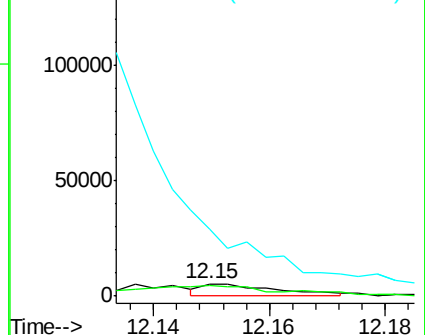
119 0.0 48.7 73.1#

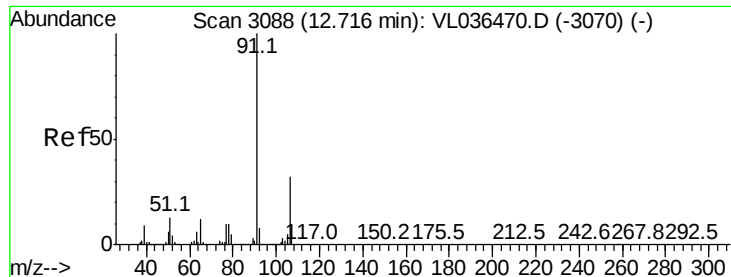


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#58

Ethyl Benzene

Concen: 0.154 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

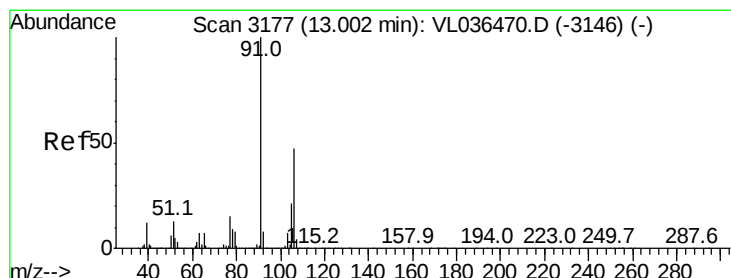
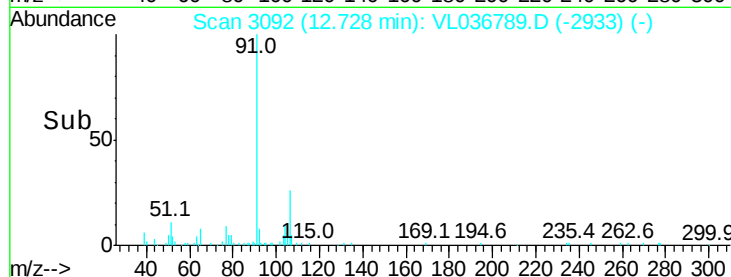
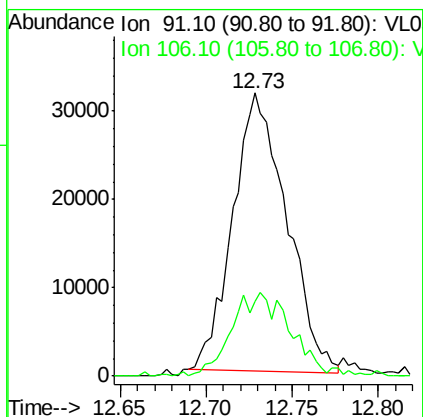
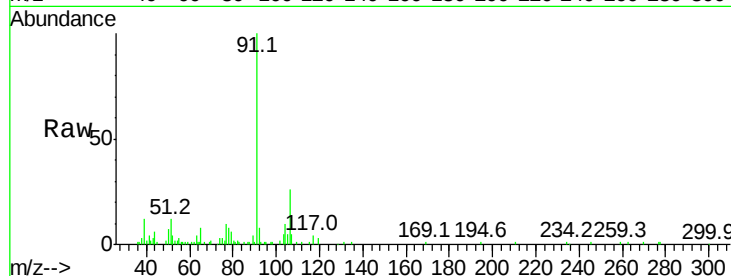
UP-SG-7(2021)

Tgt Ion: 91 Resp: 68544

Ion Ratio Lower Upper

91 100

106 26.9 25.3 37.9



#59

m/p-Xylene

Concen: 0.095 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. 0.01 min

Lab File: VL036789.D

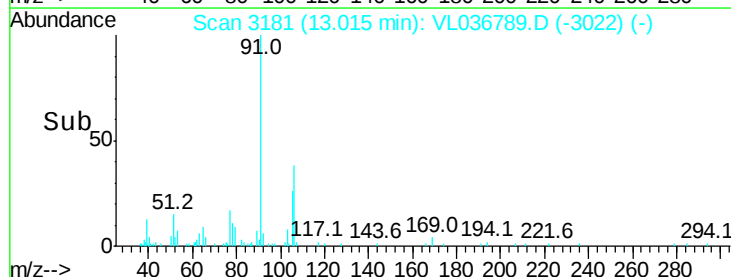
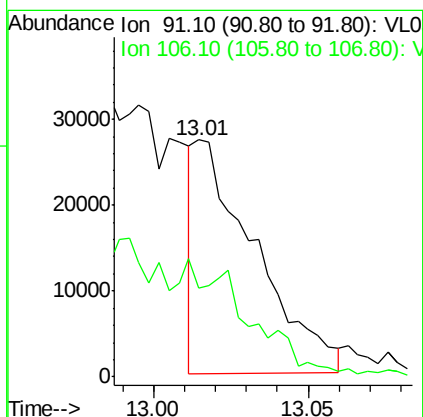
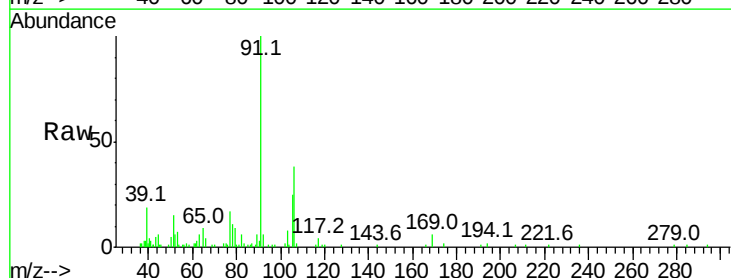
Acq: 12 Apr 2021 14:40

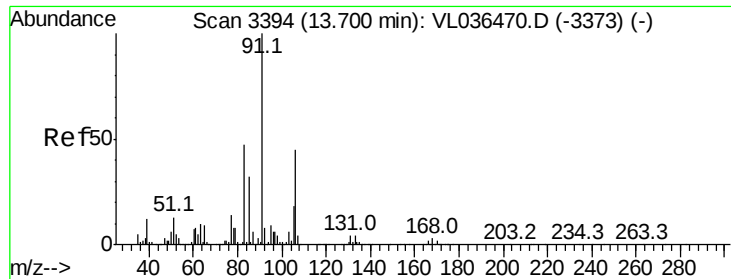
Tgt Ion: 91 Resp: 36814

Ion Ratio Lower Upper

91 100

106 0.0 35.3 52.9#

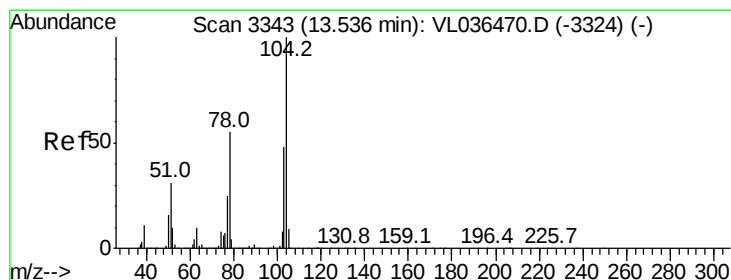
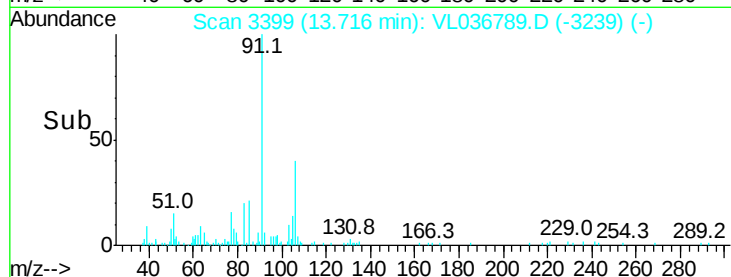
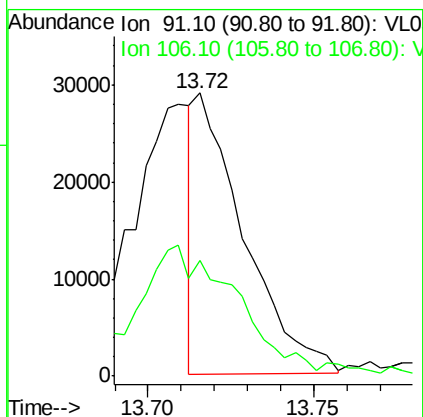
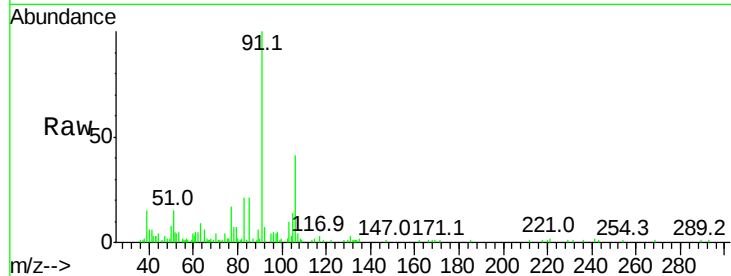




#60
o-Xylene
Concen: 0.078 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.02 min
Lab File: VL036789.D
Acq: 12 Apr 2021 14:40

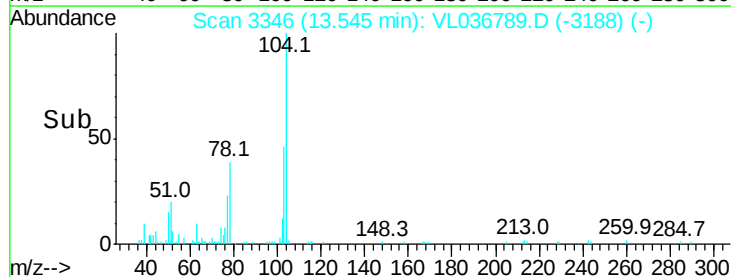
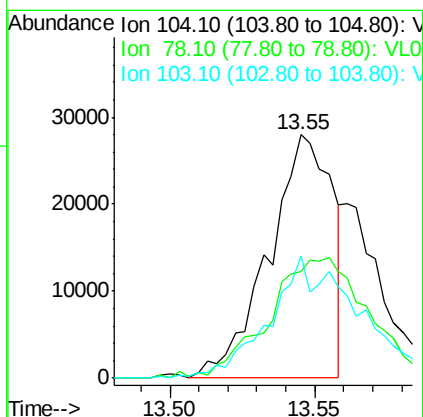
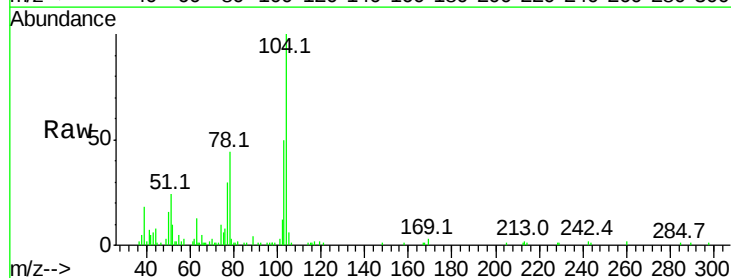
Instrument :
MSVOA_L
ClientSampleId :
UP-SG-7(2021)

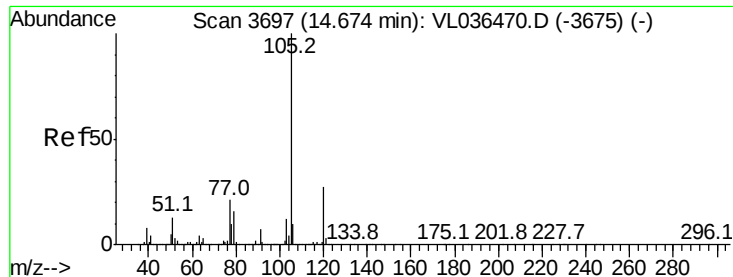
Tgt Ion: 91 Resp: 29482
Ion Ratio Lower Upper
91 100
106 0.0 22.3 66.9#



#61
Styrene
Concen: 0.225 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. 0.01 min
Lab File: VL036789.D
Acq: 12 Apr 2021 14:40

Tgt Ion: 104 Resp: 42673
Ion Ratio Lower Upper
104 100
78 0.0 43.8 65.8#
103 71.4 38.3 57.5#





#62

Isopropylbenzene

Concen: 0.052 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

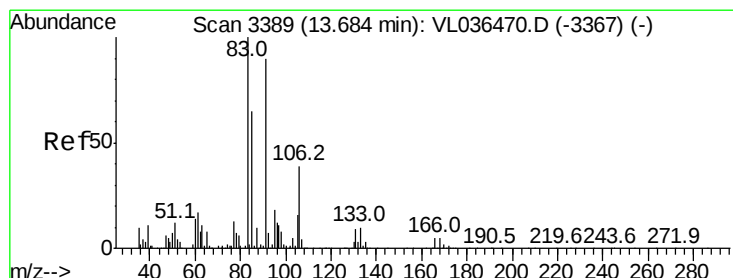
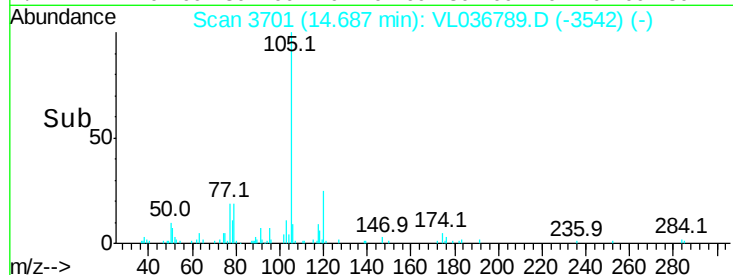
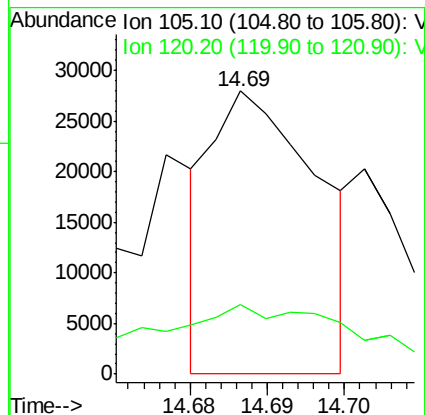
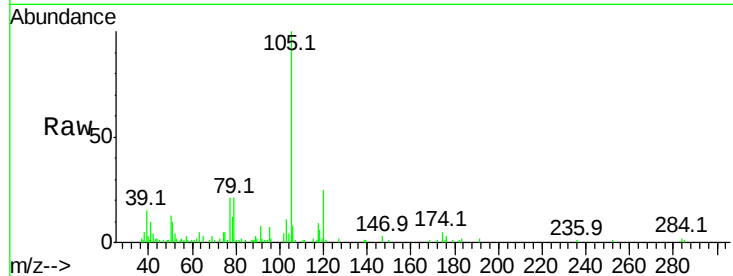
UP-SG-7(2021)

Tgt Ion:105 Resp: 26401

Ion Ratio Lower Upper

105 100

120 60.2 20.6 31.0#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.051 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

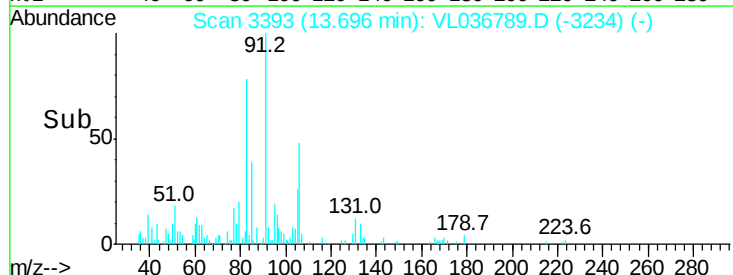
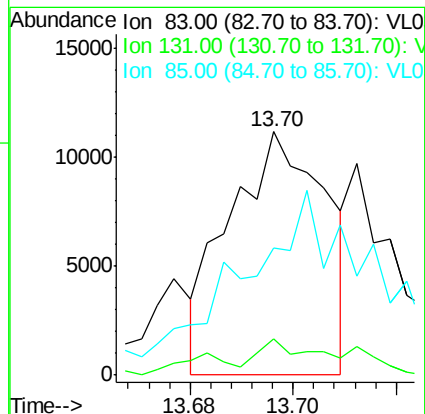
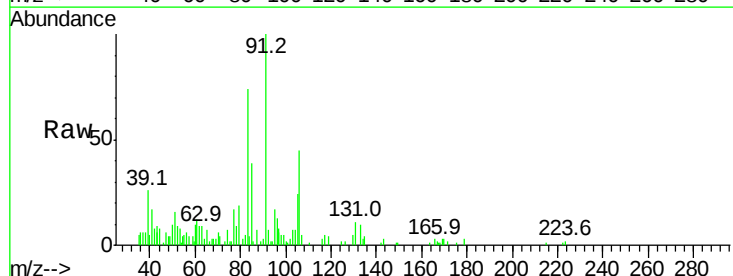
Tgt Ion: 83 Resp: 14572

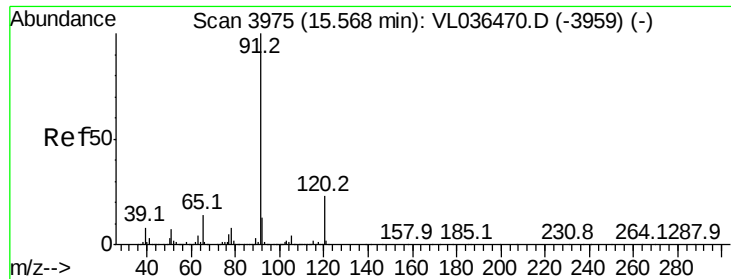
Ion Ratio Lower Upper

83 100

131 17.8 4.7 14.0#

85 114.8 33.1 99.3#





#64

n-propylbenzene

Concen: 0.147 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

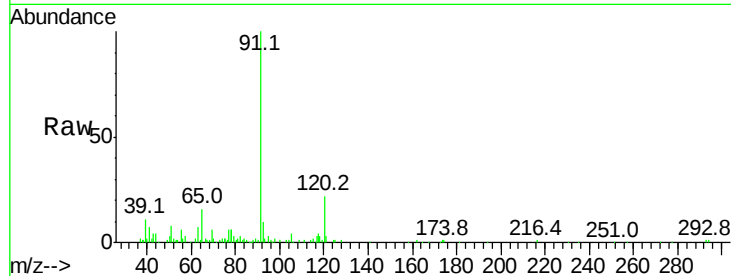
UP-SG-7(2021)

Tgt Ion:120 Resp: 18243

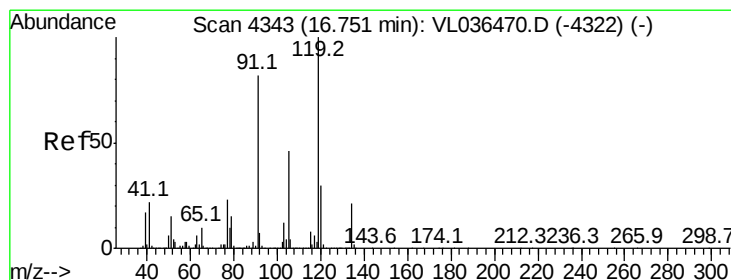
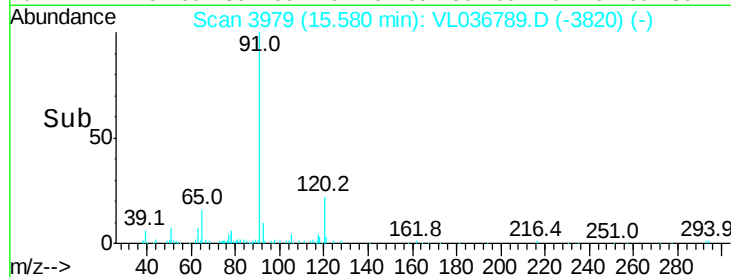
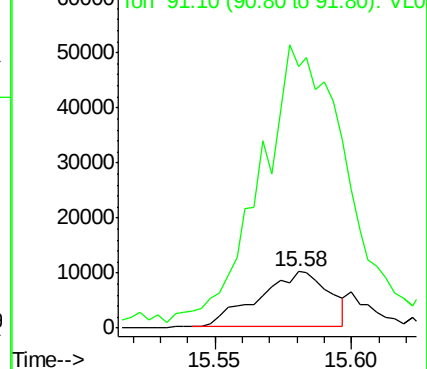
Ion Ratio Lower Upper

120 100

91 628.1 377.4 566.2#



Abundance Ion 120.20 (119.90 to 120.90): V



#65

tert-Butylbenzene

Concen: 0.096 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.02 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

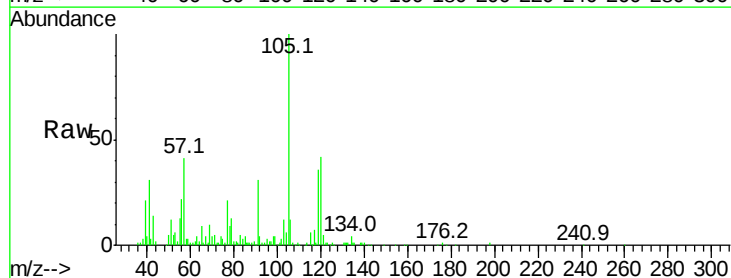
Tgt Ion:119 Resp: 42333

Ion Ratio Lower Upper

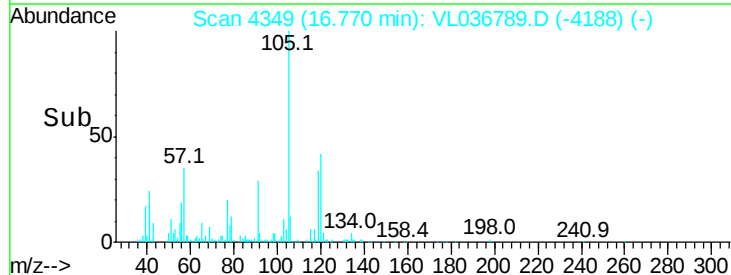
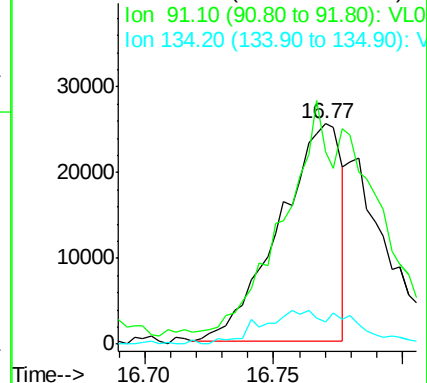
119 100

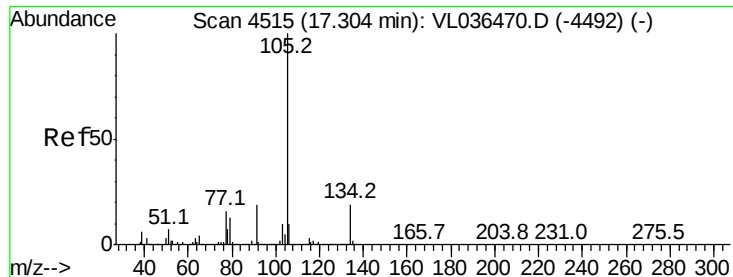
91 162.8 67.5 101.3#

134 24.6 15.8 23.8#



Abundance Ion 119.20 (118.90 to 119.90): V





#67

sec-Butylbenzene

Concen: 0.111 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

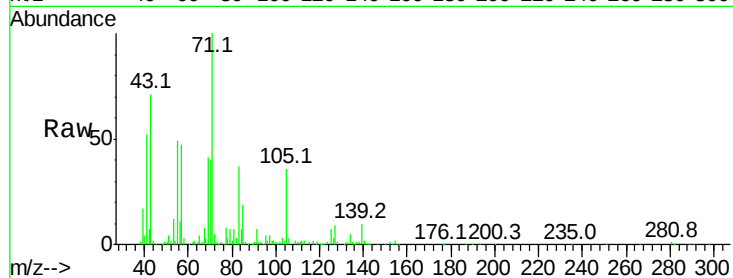
UP-SG-7(2021)

Tgt Ion: 105 Resp: 68870

Ion Ratio Lower Upper

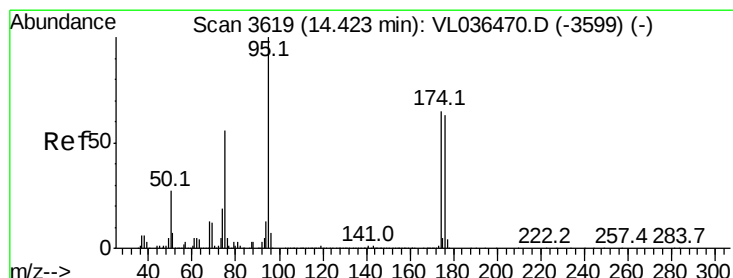
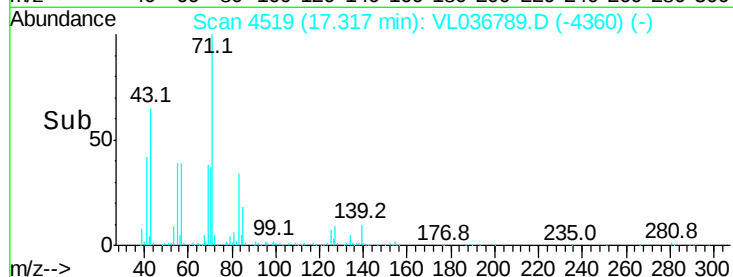
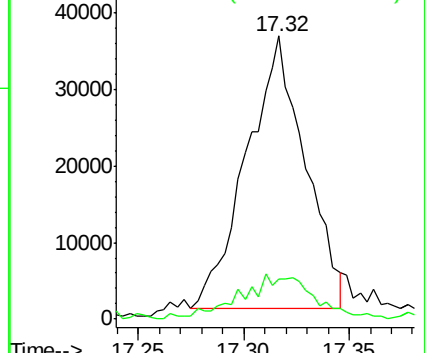
105 100

134 21.6 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.336 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

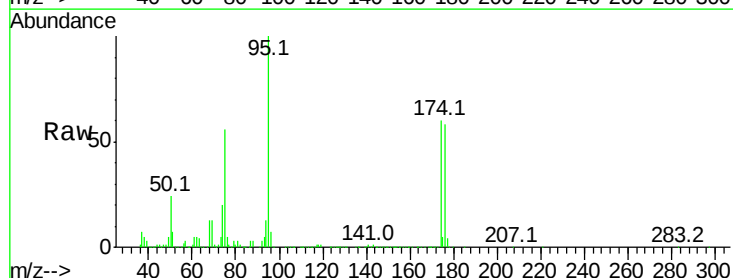
Tgt Ion: 95 Resp: 2039171

Ion Ratio Lower Upper

95 100

174 65.2 51.0 76.6

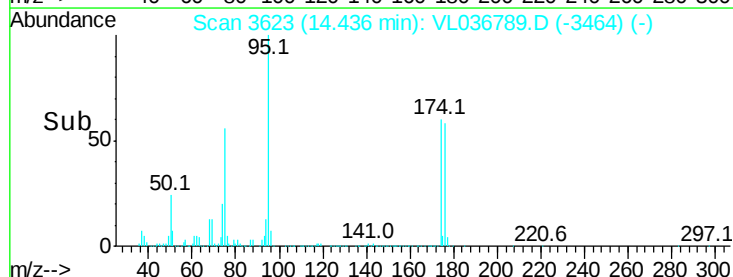
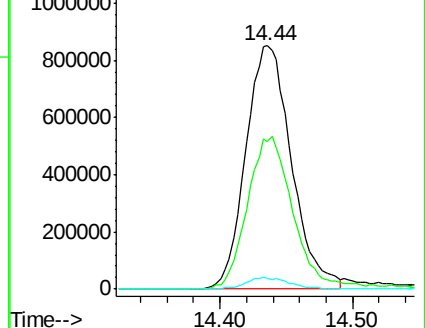
175 4.9 3.9 5.9

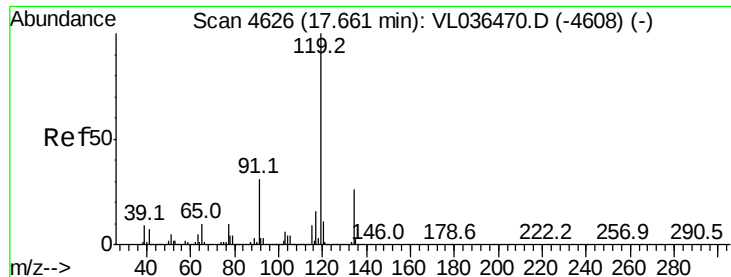


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.097 ppbv

RT: 17.68 min Scan# 4632

Delta R.T. 0.02 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

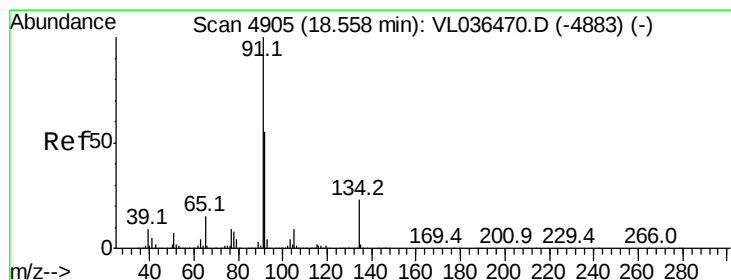
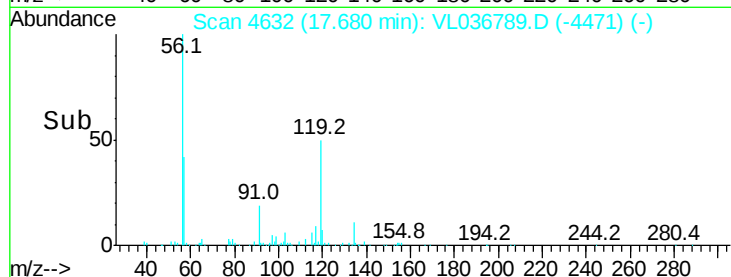
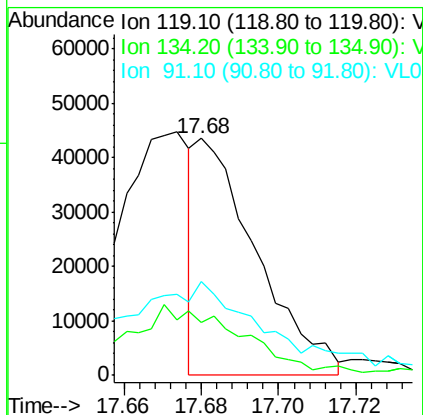
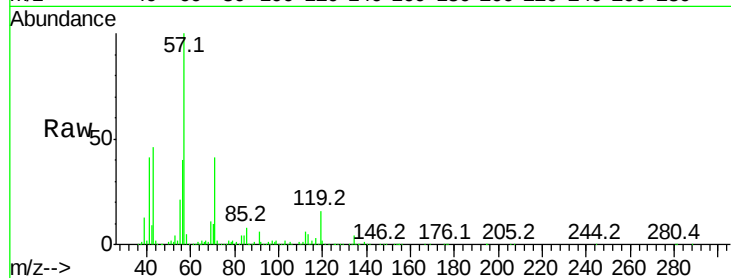
Instrument :

MSVOA_L

ClientSampleId :

UP-SG-7(2021)

Tgt Ion:	119	Resp:	46957
Ion Ratio	100	Lower	Upper
119	100		
134	0.0	20.6	30.8#
91	93.4	25.0	37.6#



#70

n-Butylbenzene

Concen: 0.086 ppbv

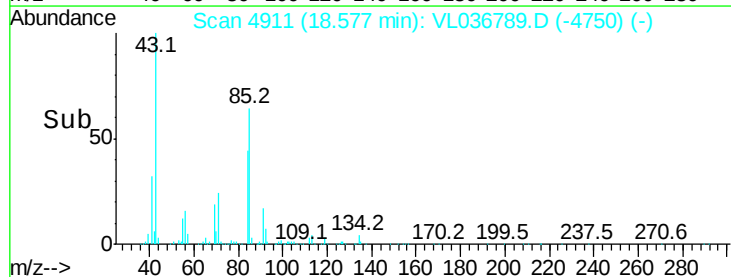
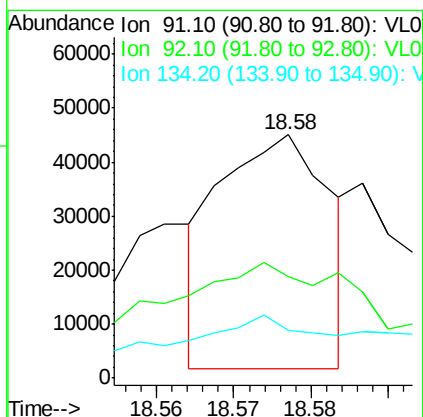
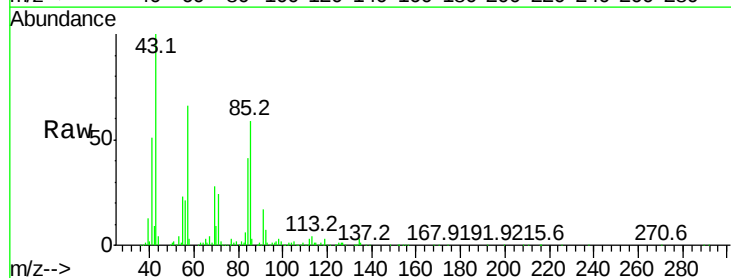
RT: 18.58 min Scan# 4911

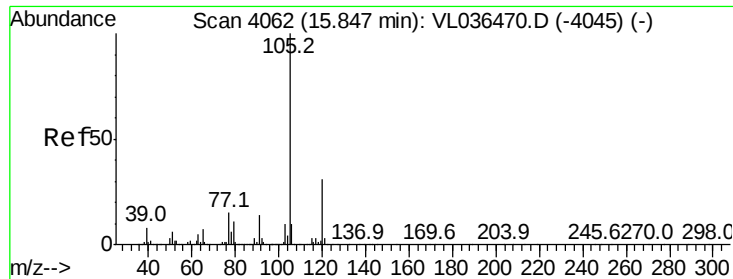
Delta R.T. 0.02 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Tgt Ion:	91	Resp:	42994
Ion Ratio	100	Lower	Upper
91	100		
92	118.7	43.8	65.8#
134	77.0	18.0	27.0#





#72

4-Ethyltoluene

Concen: 0.236 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-7(2021)

Tgt Ion:105 Resp: 97240

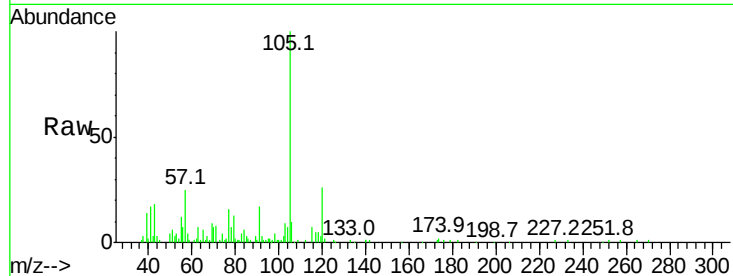
Ion Ratio Lower Upper

105 100

120 31.3 24.0 36.0

91 15.8 11.0 16.4

77 14.6 11.7 17.5

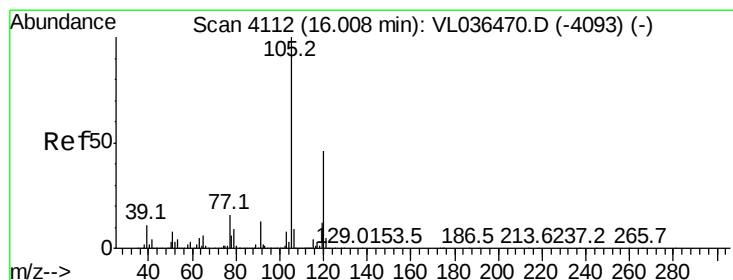
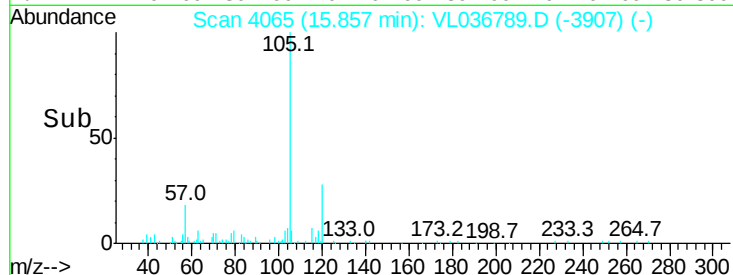
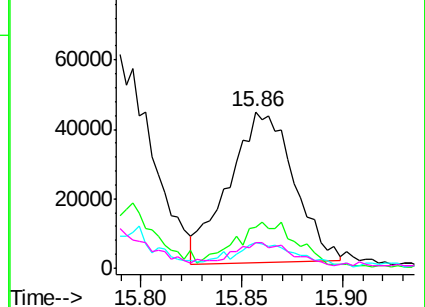


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.248 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. 0.02 min

Lab File: VL036789.D

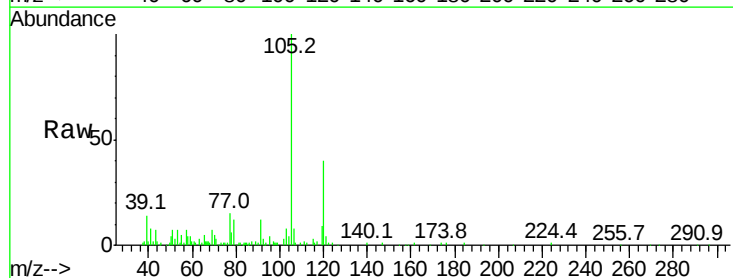
Acq: 12 Apr 2021 14:40

Tgt Ion:105 Resp: 95695

Ion Ratio Lower Upper

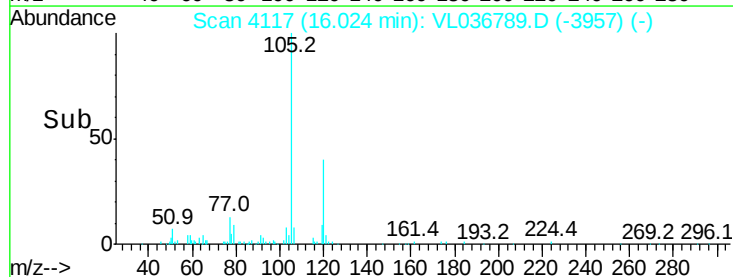
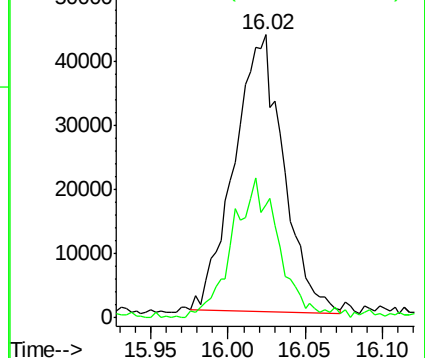
105 100

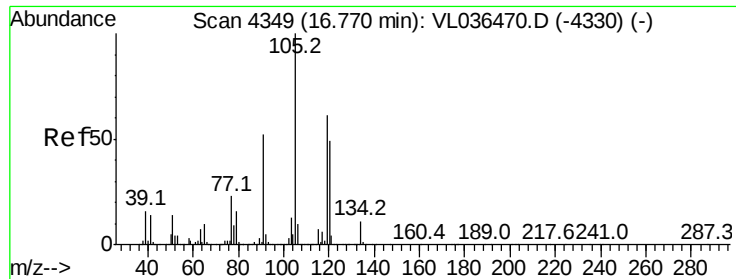
120 39.7 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

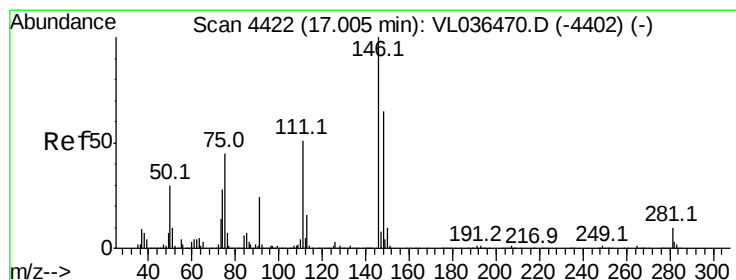
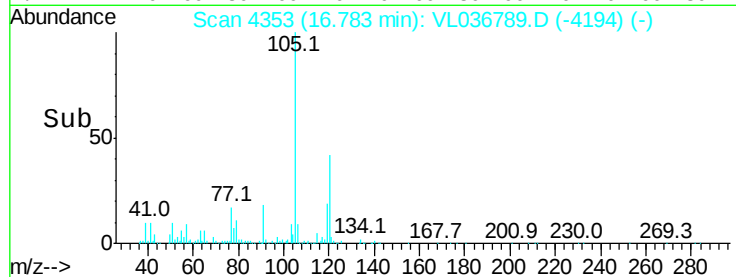
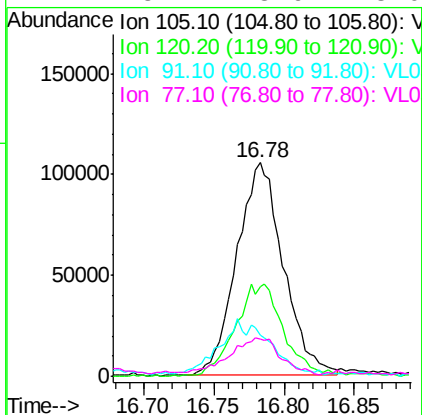
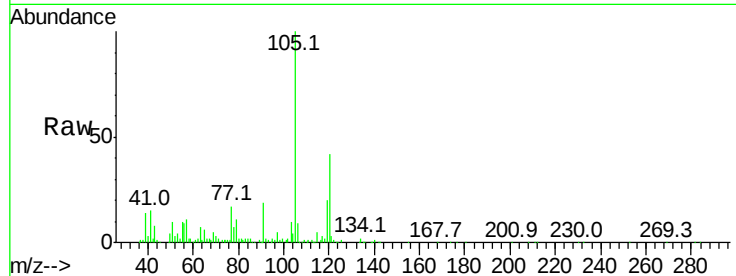




#74
 1,2,4-Trimethylbenzene
 Concen: 0.589 ppbv
 RT: 16.78 min Scan# 4353
 Delta R.T. 0.01 min
 Lab File: VL036789.D
 Acq: 12 Apr 2021 14:40

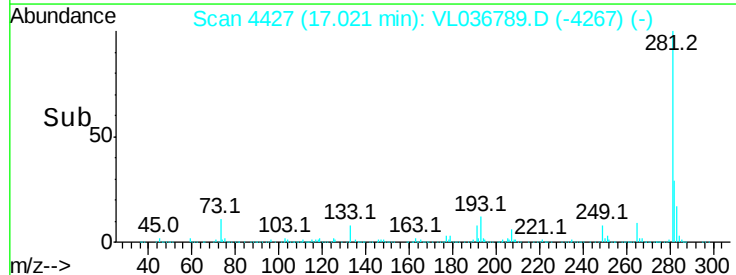
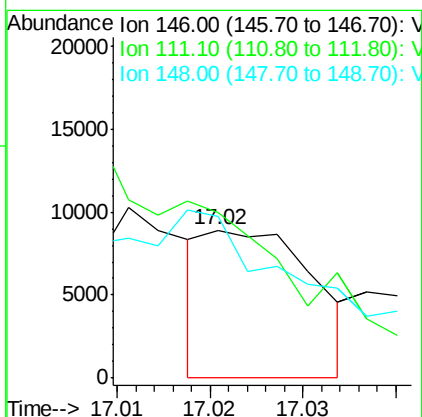
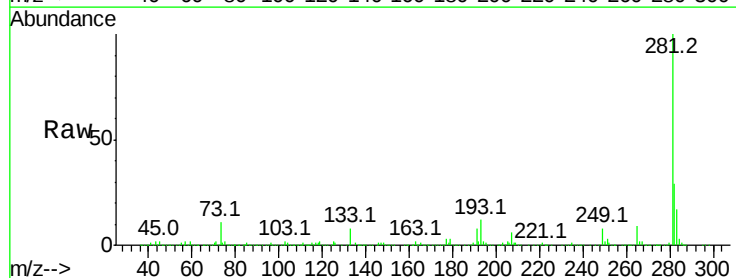
Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-7(2021)

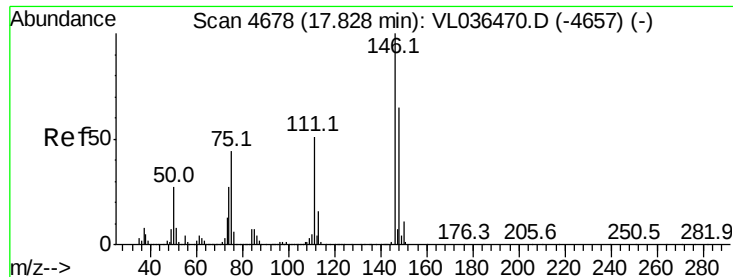
Tgt Ion:	105	Resp:	242784
Ion	Ratio	Lower	Upper
105	100		
120	41.7	39.2	58.8
91	17.7	42.6	64.0#
77	15.4	18.6	28.0#



#75
 1,3-Dichlorobenzene
 Concen: 0.031 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. 0.02 min
 Lab File: VL036789.D
 Acq: 12 Apr 2021 14:40

Tgt Ion:	146	Resp:	7102
Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.5	73.5#
148	387.2	32.3	96.9#





#77

1,2-Dichlorobenzene

Concen: 0.055 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-7(2021)

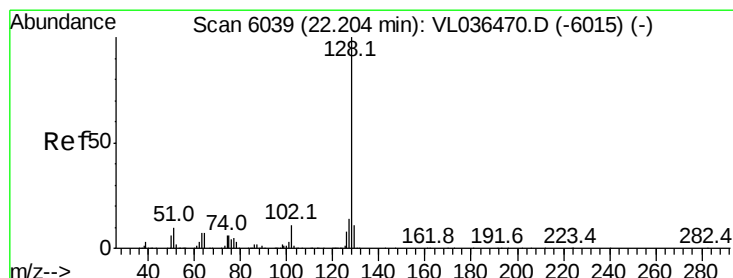
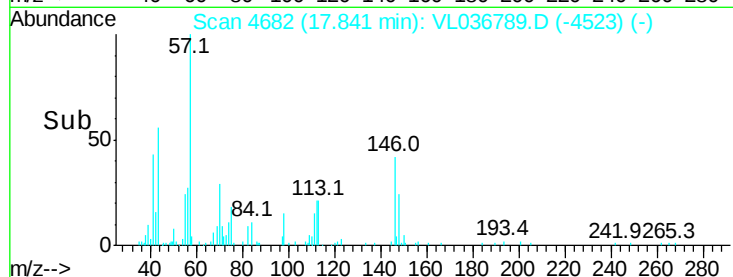
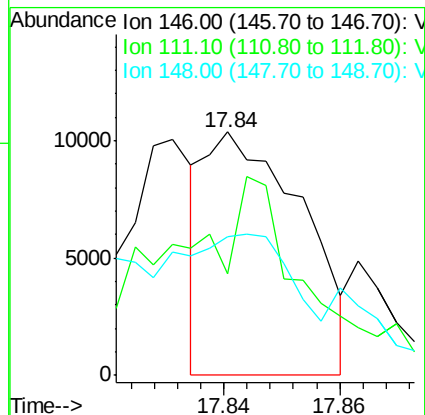
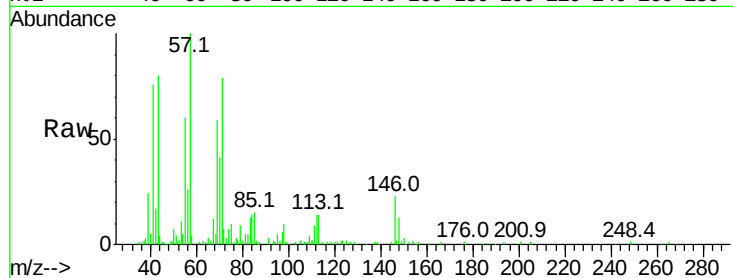
Tgt Ion:146 Resp: 12064

Ion Ratio Lower Upper

146 100

111 102.6 25.5 76.5#

148 145.0 32.9 98.6#



#79

Naphthalene

Concen: 0.038 ppbv

RT: 22.23 min Scan# 6047

Delta R.T. 0.03 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

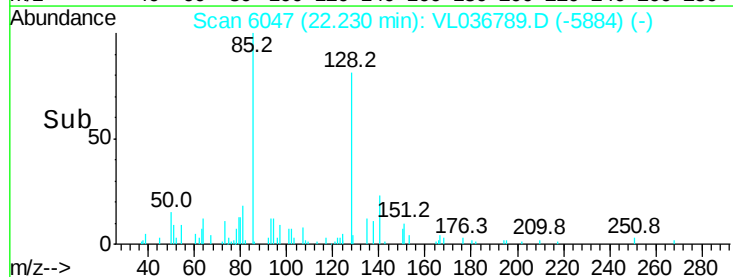
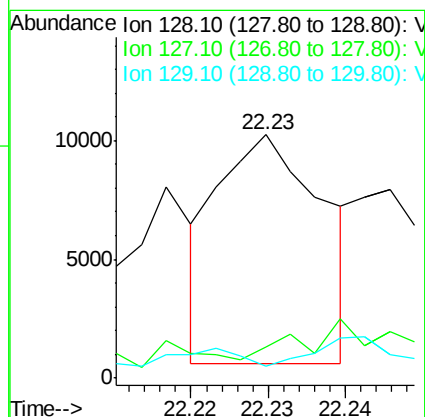
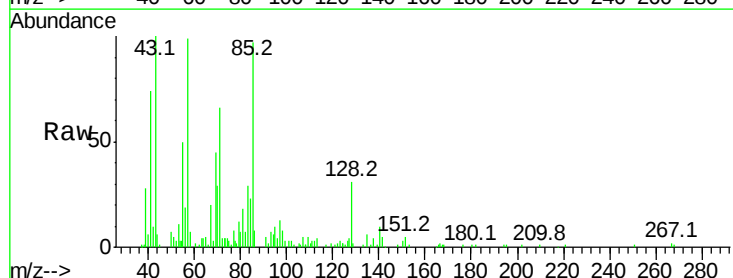
Tgt Ion:128 Resp: 9151

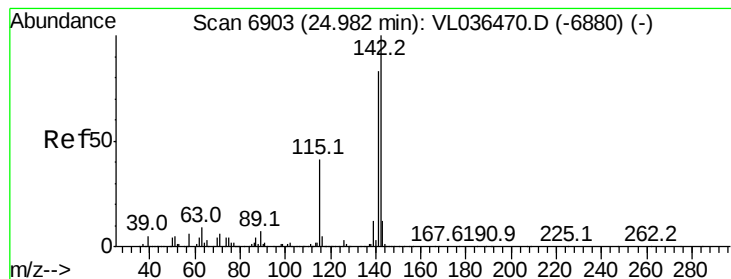
Ion Ratio Lower Upper

128 100

127 6.5 10.9 16.3#

129 0.0 9.0 13.4#





#80

Naphthalene, 2-methyl-

Concen: 0.090 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. 0.01 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-7(2021)

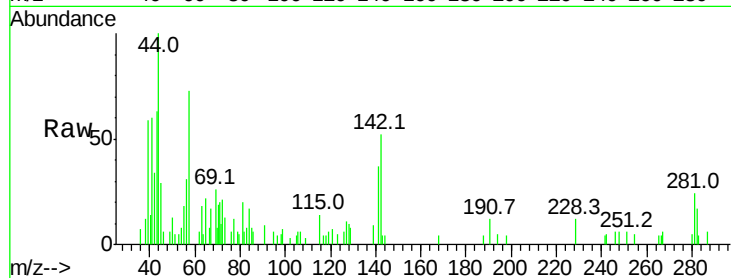
Tgt Ion:142 Resp: 4283

Ion Ratio Lower Upper

142 100

141 152.6 67.8 101.8#

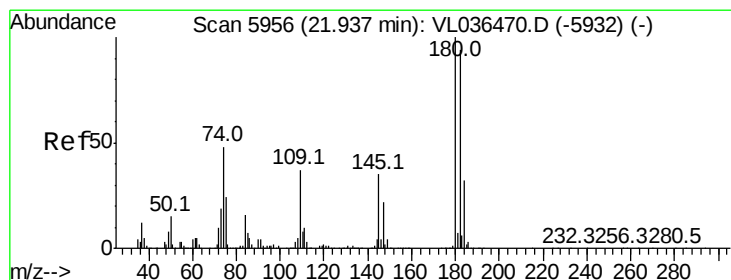
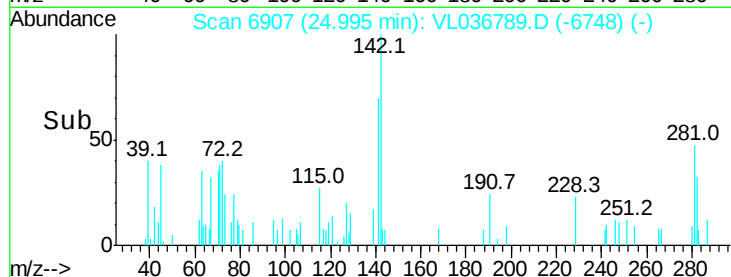
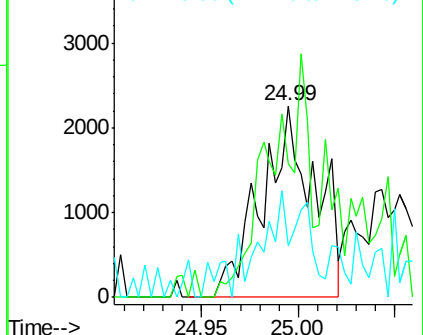
115 39.9 34.0 51.0



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



#81

1,2,4-Trichlorobenzene

Concen: 0.064 ppbv

RT: 21.97 min Scan# 5965

Delta R.T. 0.03 min

Lab File: VL036789.D

Acq: 12 Apr 2021 14:40

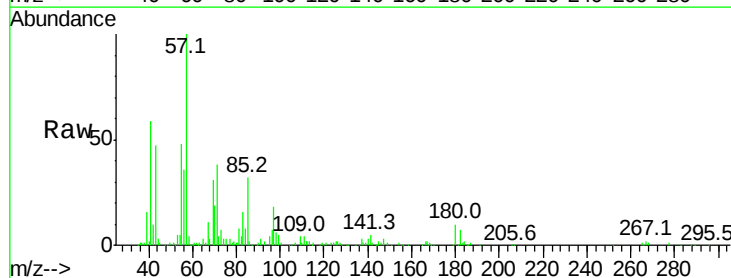
Tgt Ion:180 Resp: 9438

Ion Ratio Lower Upper

180 100

182 253.0 80.8 121.2#

184 61.3 25.0 37.4#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

