

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037204.D
 Acq On : 17 Jun 2021 16:42
 Operator : SY/AP
 Sample : M2721-05DL 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-3DL

Quant Time: Jun 18 01:22:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1469316	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4373803	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3826229	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2949350	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	27695	0.108	ppbv	89
3) Chlorodifluoromethane	2.97	51	3353973	11.739	ppbv #	57
4) Chloromethane	3.14	50	14652	0.154	ppbv	96
9) Propene	3.21	41	530204	5.804	ppbv	99
10) Heptane	8.12	43	12515	0.057	ppbv #	36
11) Trichlorofluoromethane	3.95	101	8984	0.033	ppbv	99
13) Ethanol	3.61	45	1483528	104.981	ppbv	46
15) Acetone	3.85	43	2128047	12.843	ppbv	90
16) 1,3-Butadiene	3.31	39	8116	0.083	ppbv #	12
17) tert-Butyl alcohol	4.31	59	113534	0.741	ppbv	98
19) Isopropyl Alcohol	3.98	45	269675	2.687	ppbv #	1
20) Methylene Chloride	4.35	84	75974	0.766	ppbv	95
21) Allyl Chloride	4.34	41	2797	0.022	ppbv #	1
23) Vinyl Acetate	5.07	43	62733	0.264	ppbv #	76
25) Ethyl Acetate	5.68	43	1654310	4.612	ppbv #	95
26) Hexane	5.69	57	354840	1.957	ppbv #	1
27) Carbon Disulfide	4.55	76	13390	0.075	ppbv #	56
30) Cyclohexane	7.13	84	97170	0.643	ppbv #	81
31) cis-1,2-Dichloroethene	5.67	61	162201	0.974	ppbv #	25
34) 2-Butanone	5.25	43	222863	1.310	ppbv #	87
39) 1,2-Dichloropropane	7.18	63	1061843	8.079	ppbv #	23
41) Tetrahydrofuran	6.06	42	6317	0.080	ppbv #	1
50) 4-Methyl-2-Pentanone	8.76	43	11472	0.049	ppbv #	74
51) 2-Hexanone	10.05	43	3349	0.029	ppbv #	1
53) Toluene	9.81	91	257586	0.610	ppbv	99
58) Ethyl Benzene	12.71	91	107643	0.204	ppbv	90
59) m/p-Xylene	13.00	91	74370	0.167	ppbv #	30
60) o-Xylene	13.69	91	156880	0.369	ppbv	98
61) Styrene	13.53	104	1619975	7.385	ppbv	96
62) Isopropylbenzene	14.66	105	15873	0.026	ppbv #	48
65) tert-Butylbenzene	16.77	119	30324	0.057	ppbv #	49
66) Benzyl Chloride	16.98	91	539	0.024	ppbv #	1
67) sec-Butylbenzene	17.29	105	22761	0.032	ppbv #	85
69) p-Isopropyltoluene	17.65	119	33045	0.055	ppbv #	81
71) 2-Chlorotoluene	15.77	91	14840	0.035	ppbv	67
72) 4-Ethyltoluene	15.84	105	41205	0.085	ppbv #	50
73) 1,3,5-Trimethylbenzene	16.00	105	59503	0.127	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.76	105	279459	0.581	ppbv #	72
76) 1,4-Dichlorobenzene	17.13	146	7733	0.026	ppbv #	1

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Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-3DL

Quant Time: Jun 18 01:22:50 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration

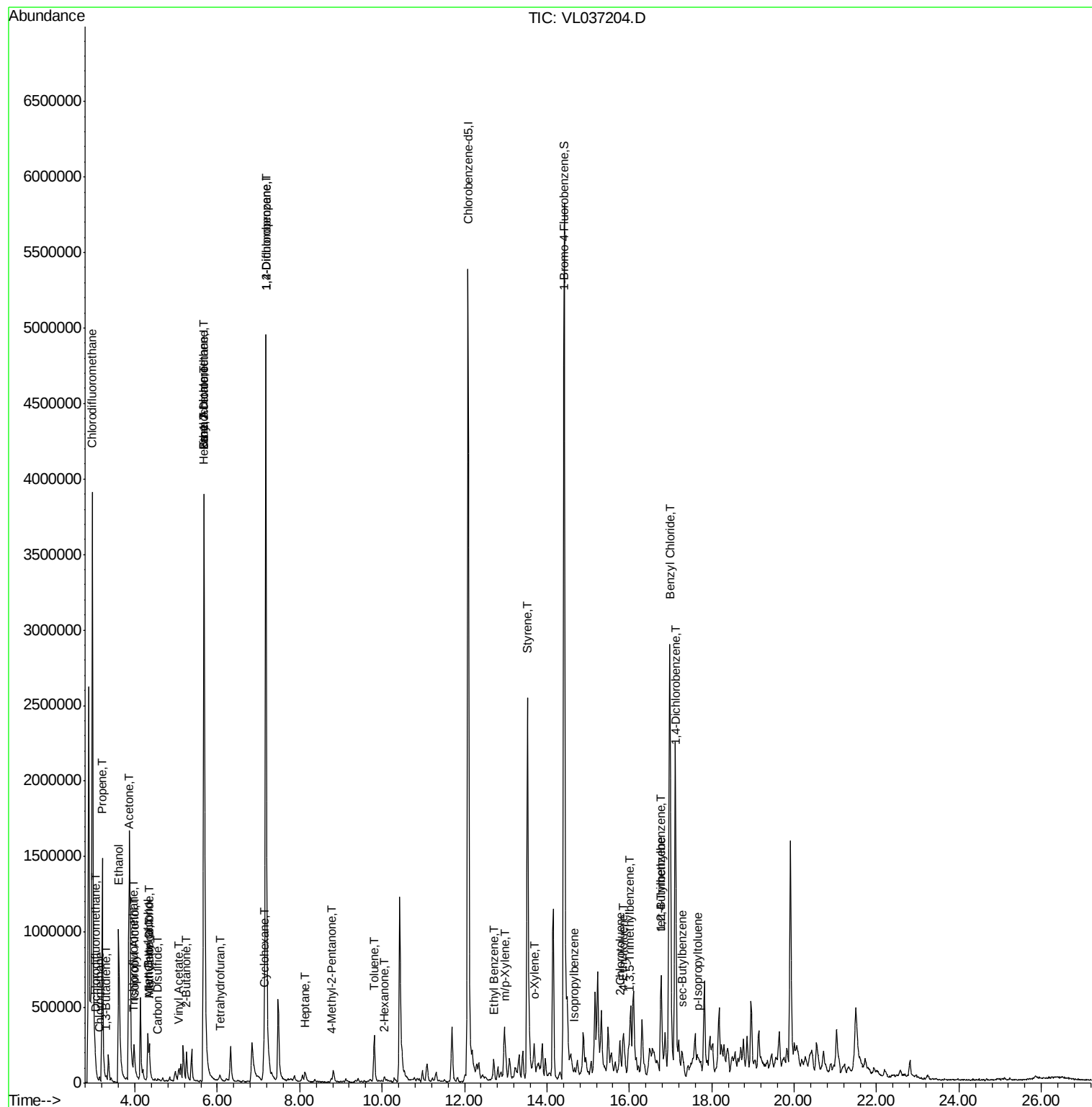
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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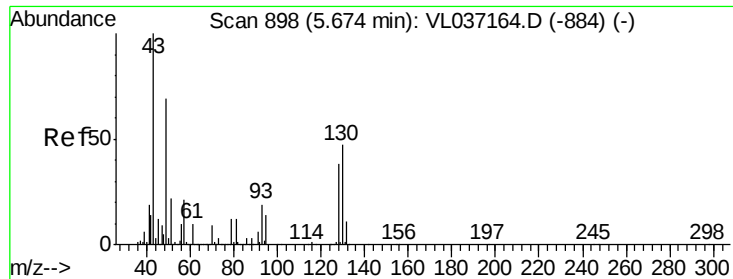
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

IA-BEDROOM-3DL

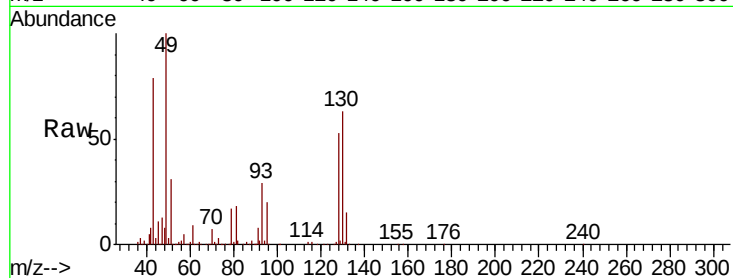
Tot Ion: 49 Resp: 1469316

Ion Ratio Lower Upper

49 100

128 56.3 29.3 88.0

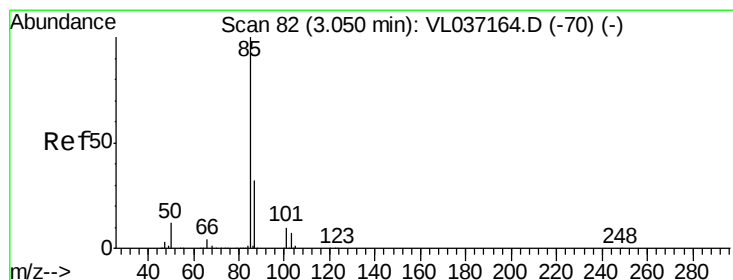
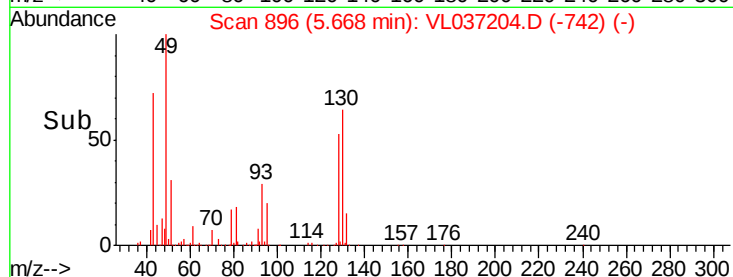
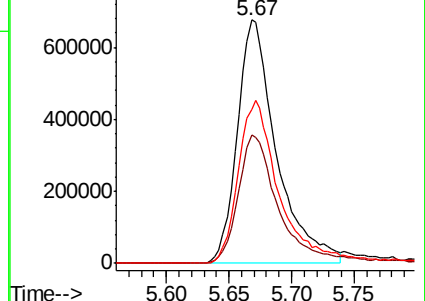
130 73.2 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.108 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037204.D

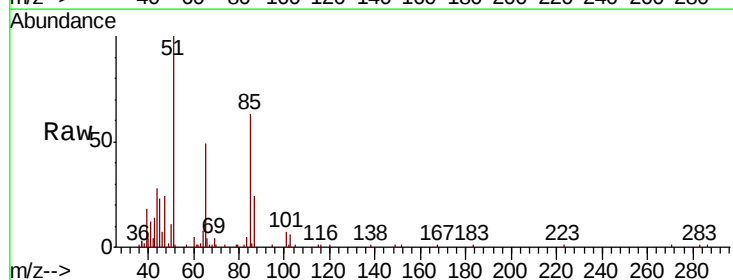
Acq: 17 Jun 2021 16:42

Tgt Ion: 85 Resp: 27695

Ion Ratio Lower Upper

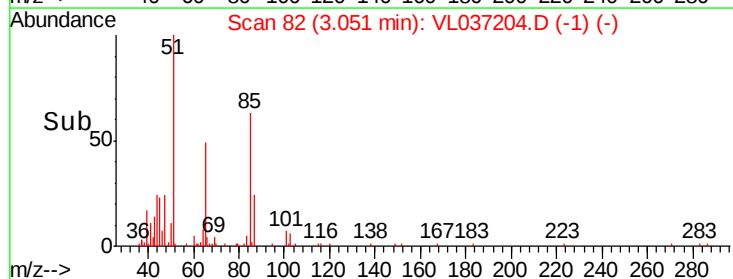
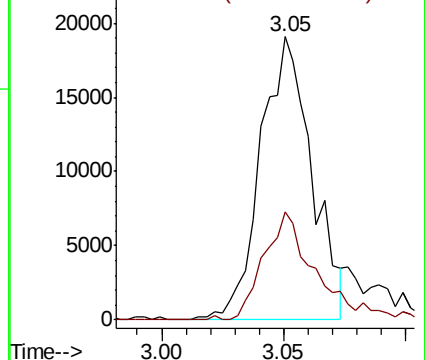
85 100

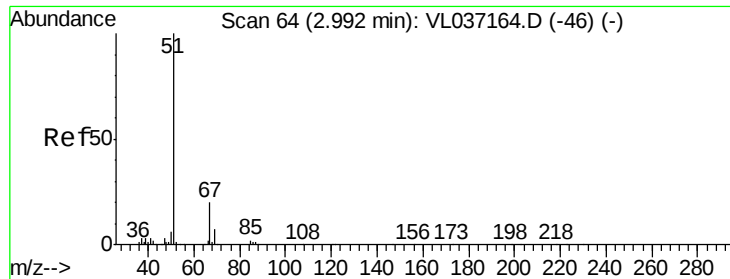
87 38.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.739 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.03 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

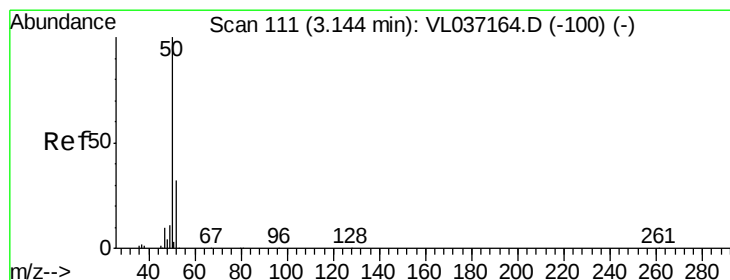
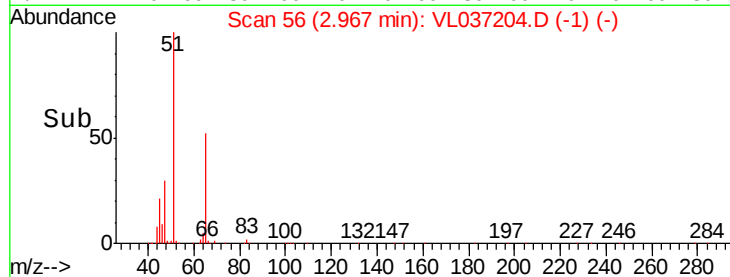
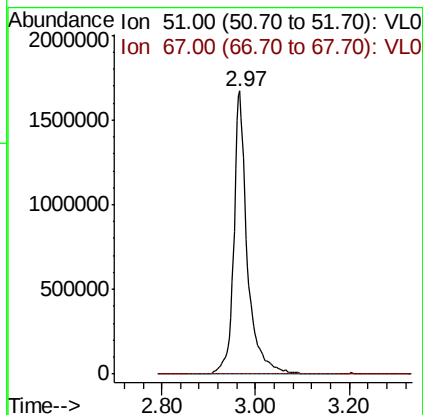
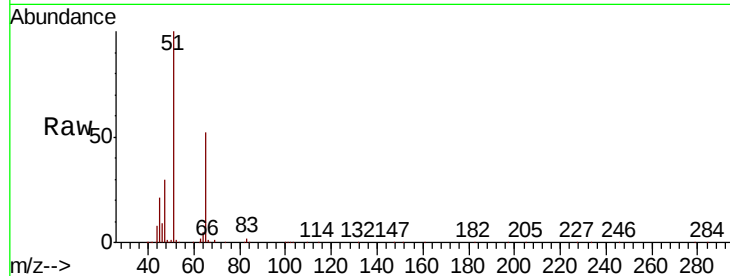
IA-BEDROOM-3DL

Tot Ion: 51 Resp: 3353973

Ion Ratio Lower Upper

51 100

67 0.1 15.8 23.6#



#4

Chloromethane

Concen: 0.154 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL037204.D

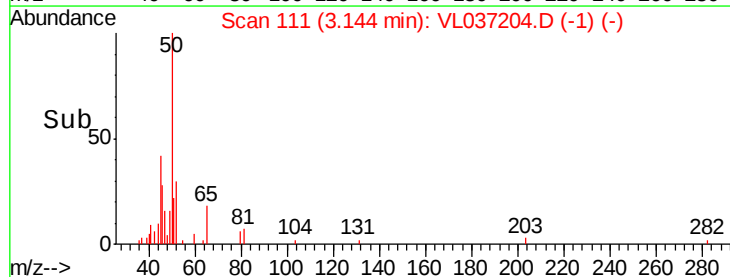
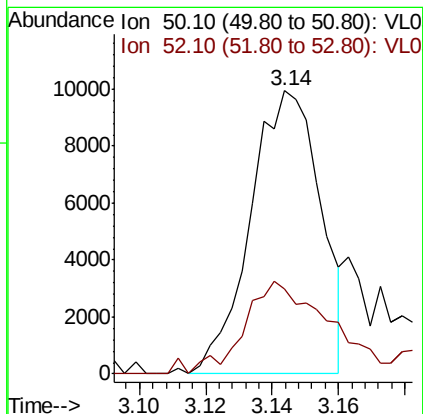
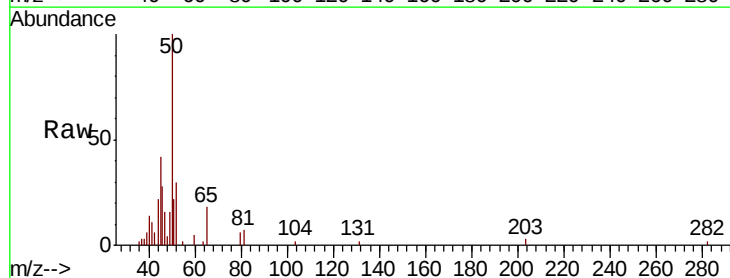
Acq: 17 Jun 2021 16:42

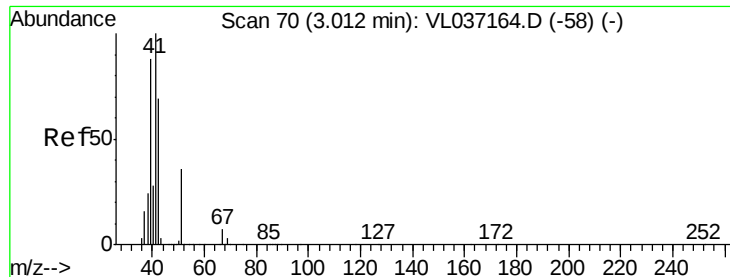
Tgt Ion: 50 Resp: 14652

Ion Ratio Lower Upper

50 100

52 30.2 25.8 38.8





#9

Propene

Concen: 5.804 ppbv

RT: 3.21 min Scan# 131

Delta R.T. 0.20 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

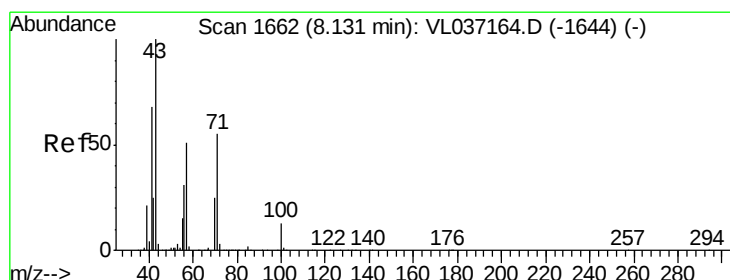
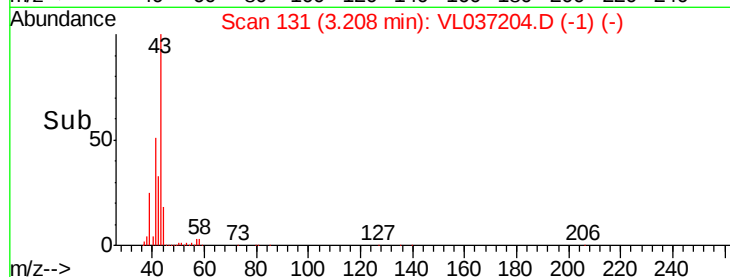
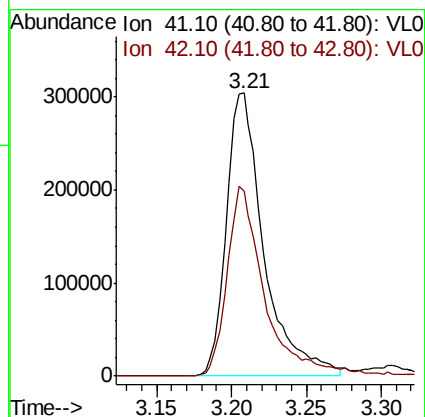
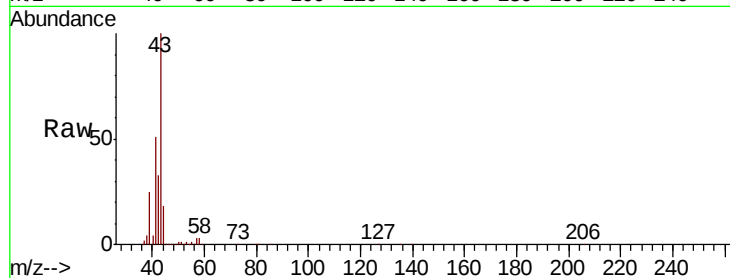
IA-BEDROOM-3DL

Tot Ion: 41 Resp: 530204

Ion Ratio Lower Upper

41 100

42 67.2 54.5 81.7



#10

Heptane

Concen: 0.057 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL037204.D

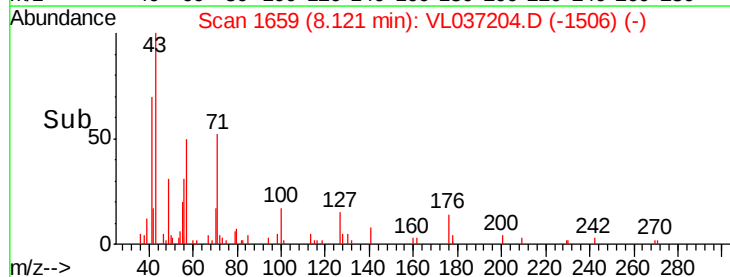
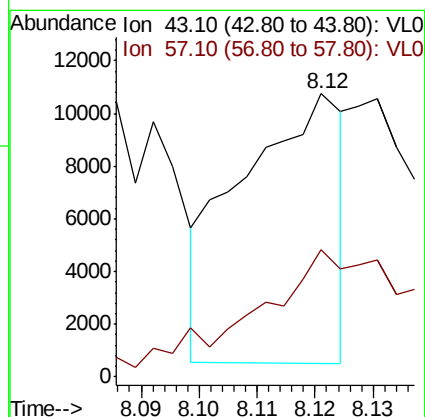
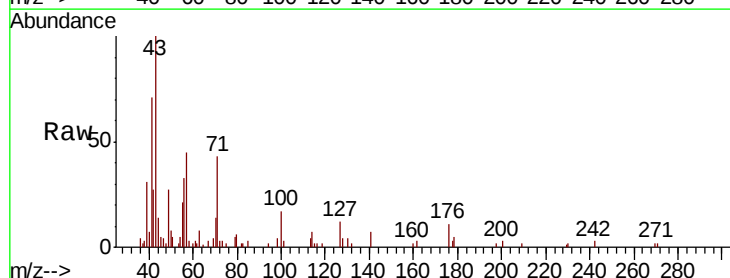
Acq: 17 Jun 2021 16:42

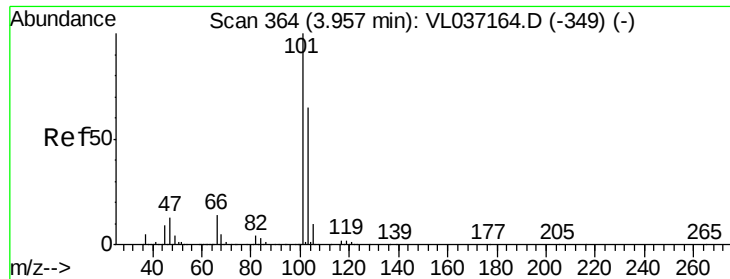
Tgt Ion: 43 Resp: 12515

Ion Ratio Lower Upper

43 100

57 95.5 40.6 61.0#

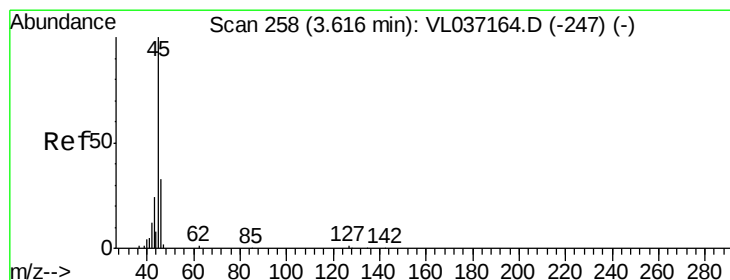
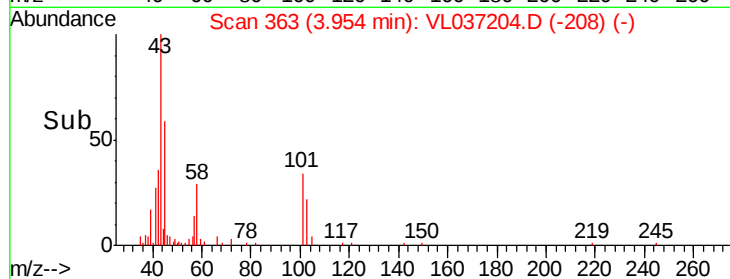
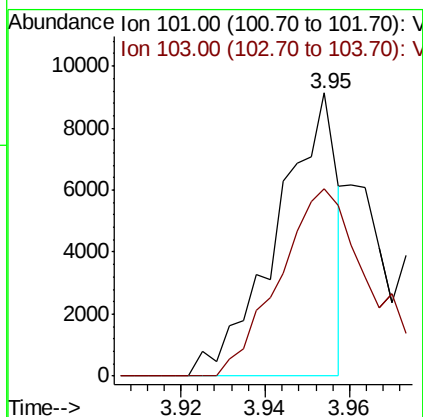
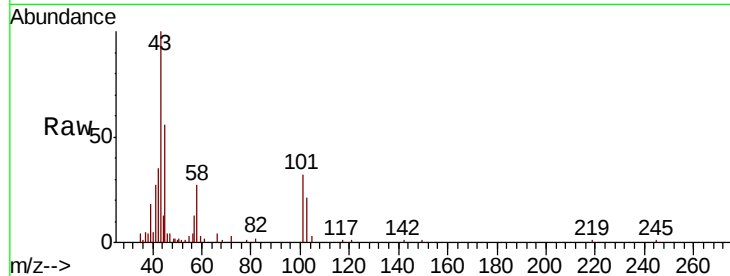




#11
 Trichlorofluoromethane
 Concen: 0.033 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VL037204.D
 Acq: 17 Jun 2021 16:42

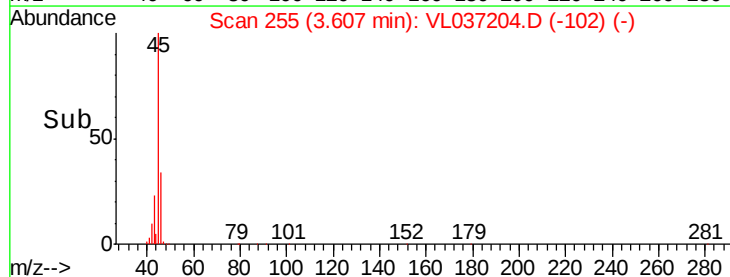
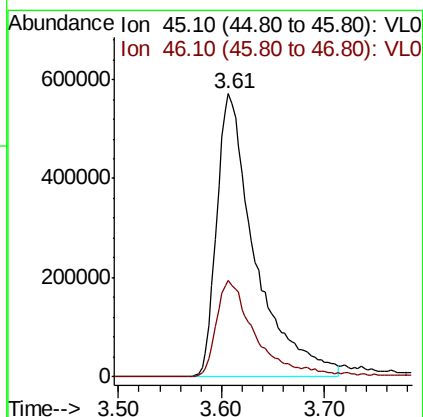
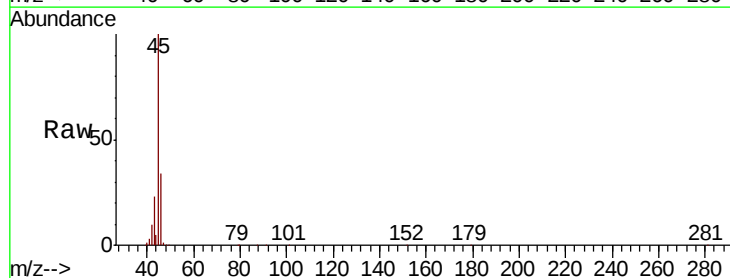
Instrument :
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 ClientSampleId :
 IA-BEDROOM-3DL

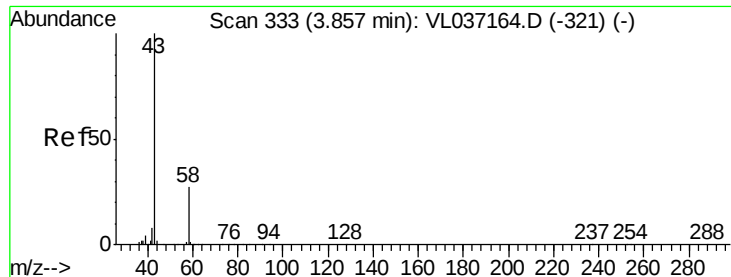
Tot Ion:101 Resp: 8984
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.2 78.4



#13
 Ethanol
 Concen: 104.981 ppbv
 RT: 3.61 min Scan# 255
 Delta R.T. -0.01 min
 Lab File: VL037204.D
 Acq: 17 Jun 2021 16:42

Tgt Ion: 45 Resp: 1483528
 Ion Ratio Lower Upper
 45 100
 46 35.7 34.2 137.0





#15

Acetone

Concen: 12.843 ppbv

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

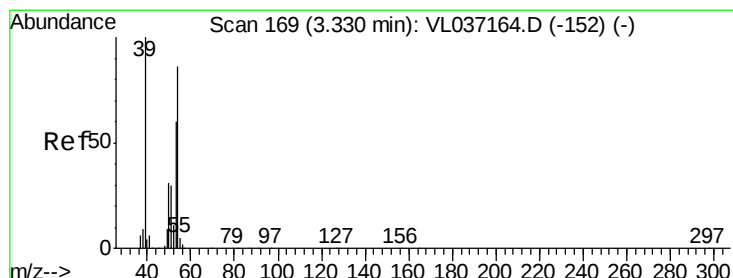
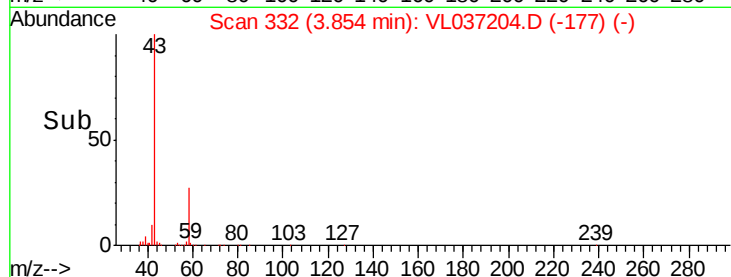
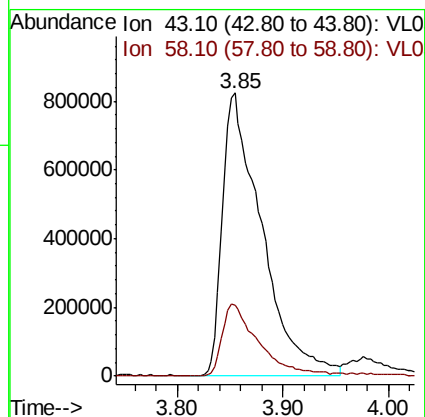
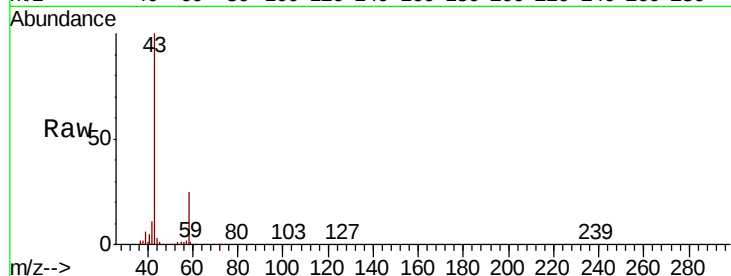
IA-BEDROOM-3DL

Tot Ion: 43 Resp: 2128047

Ion Ratio Lower Upper

43 100

58 24.3 23.7 35.5



#16

1,3-Butadiene

Concen: 0.083 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL037204.D

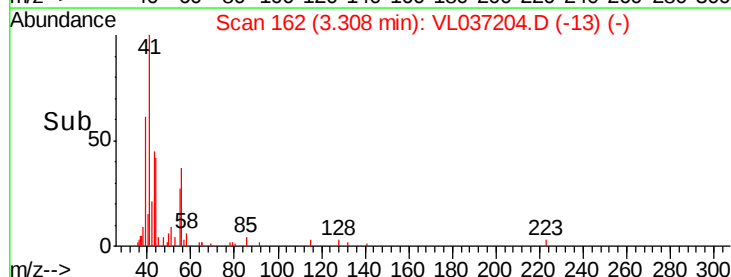
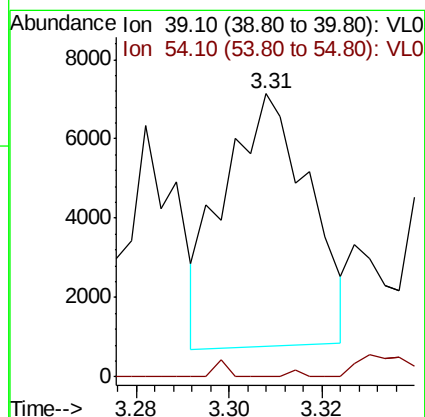
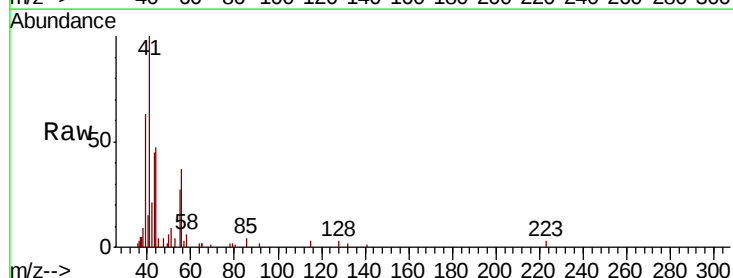
Acq: 17 Jun 2021 16:42

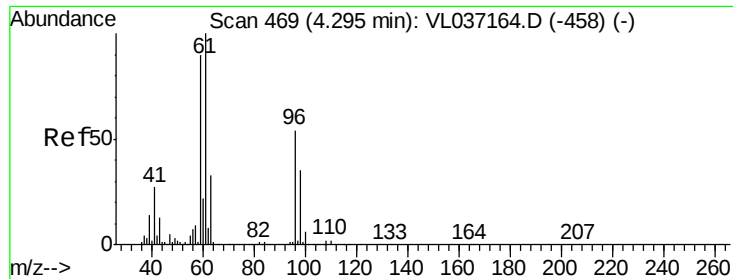
Tgt Ion: 39 Resp: 8116

Ion Ratio Lower Upper

39 100

54 1.0 61.2 91.8#



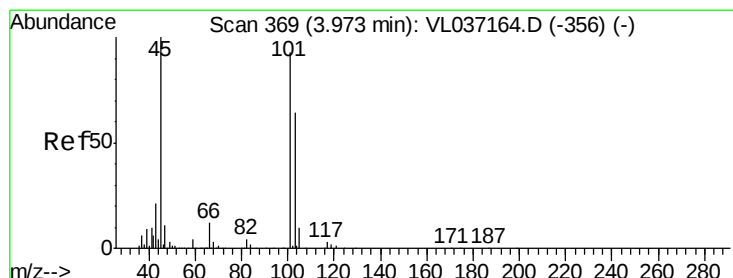
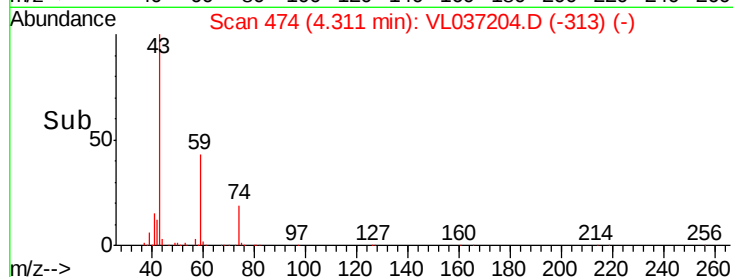
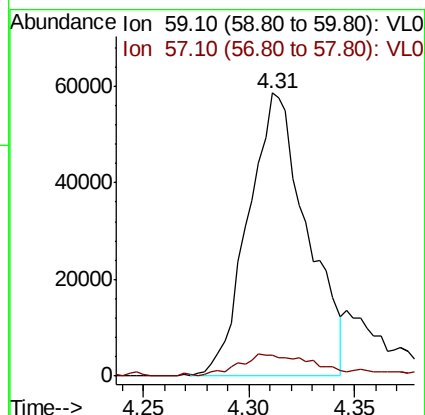
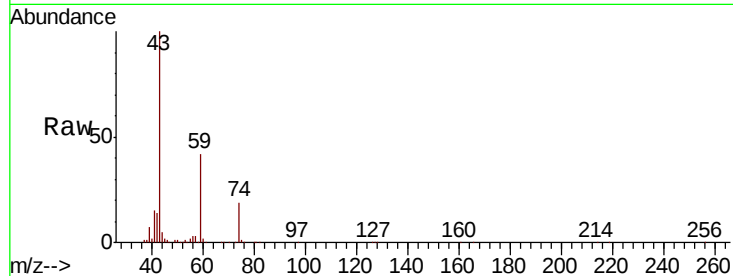


#17

tert-Butyl alcohol
Concen: 0.741 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.02 min
Lab File: VL037204.D
Acq: 17 Jun 2021 16:42

Instrument :
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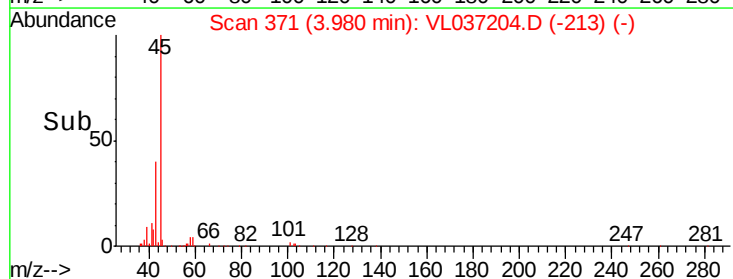
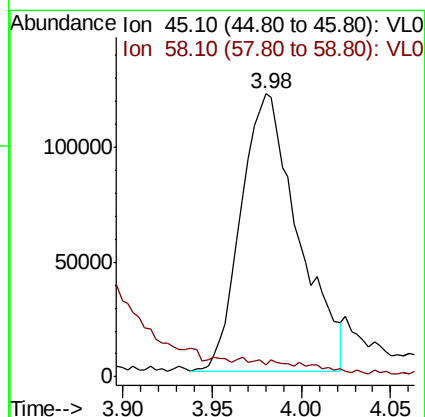
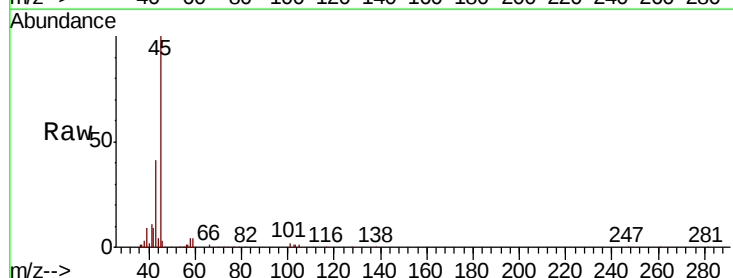
Tot Ion: 59 Resp: 113534
Ion Ratio Lower Upper
59 100
57 11.9 8.8 13.2

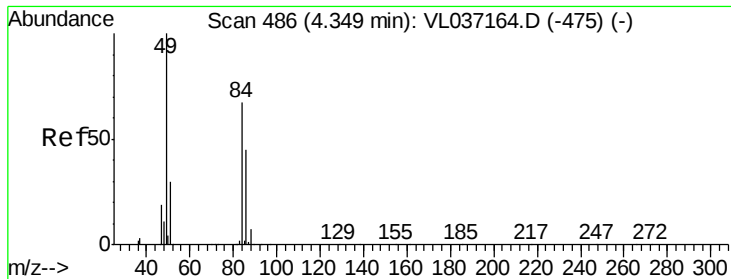


#19

Isopropyl Alcohol
Concen: 2.687 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL037204.D
Acq: 17 Jun 2021 16:42

Tgt Ion: 45 Resp: 269675
Ion Ratio Lower Upper
45 100
58 192.1 2.4 3.6#

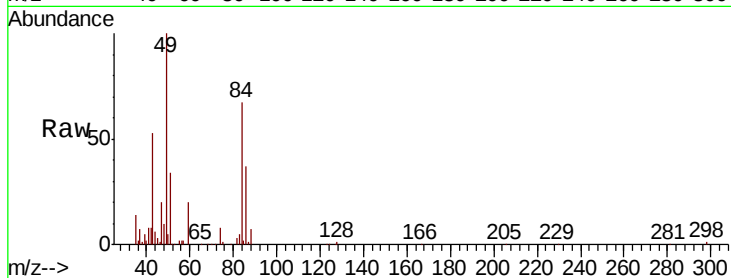




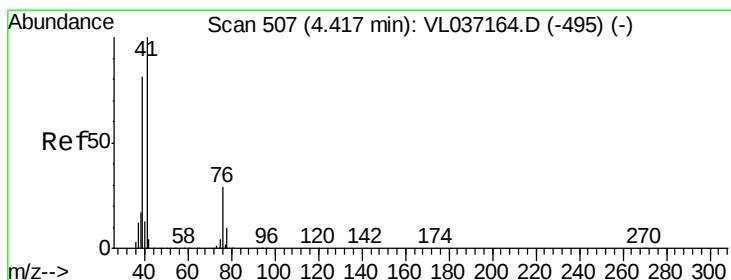
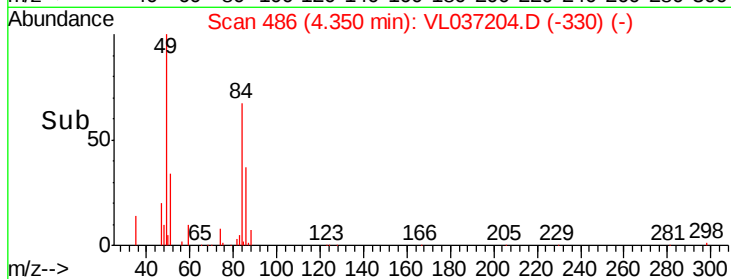
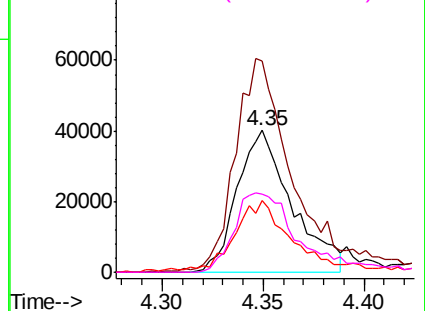
#20
Methylene Chloride
Concen: 0.766 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.00 min
Lab File: VL037204.D
Acq: 17 Jun 2021 16:42

Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-3DL

Tot Ion:	84	Resp:	75974
Ion	Ratio	Lower	Upper
84	100		
49	147.4	119.7	179.5
51	47.0	36.1	54.1
86	55.0	53.7	80.5

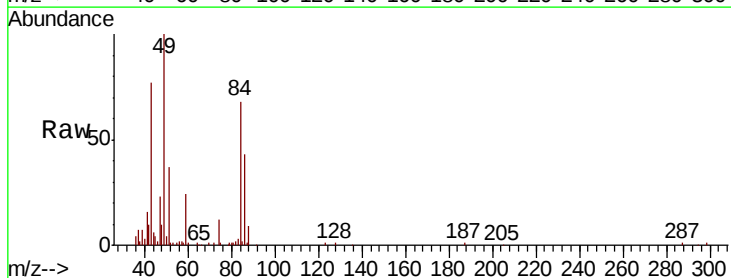


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

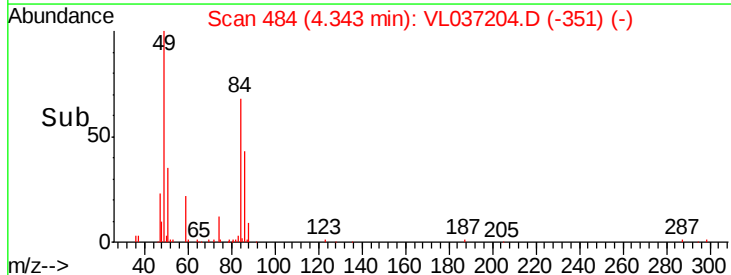
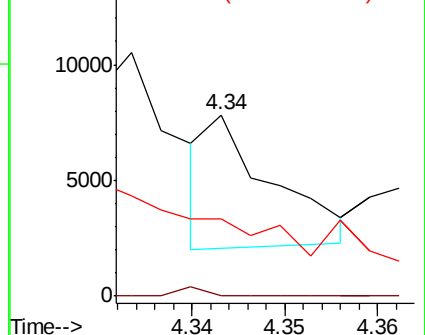


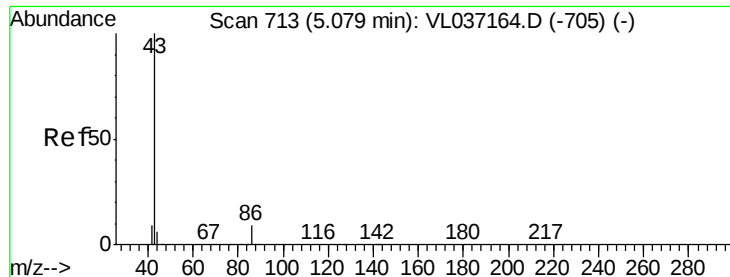
#21
Allyl Chloride
Concen: 0.022 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.07 min
Lab File: VL037204.D
Acq: 17 Jun 2021 16:42

Tgt Ion:	41	Resp:	2797
Ion	Ratio	Lower	Upper
41	100		
76	671.3	24.6	37.0#
39	142.1	65.4	98.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.264 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

IA-BEDROOM-3DL

Tot Ion: 43 Resp: 62733

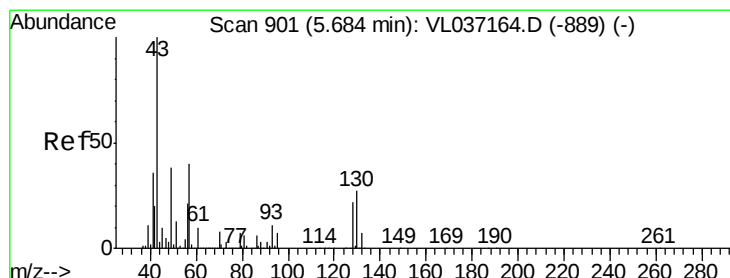
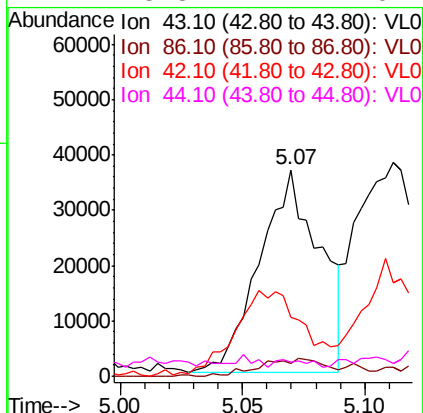
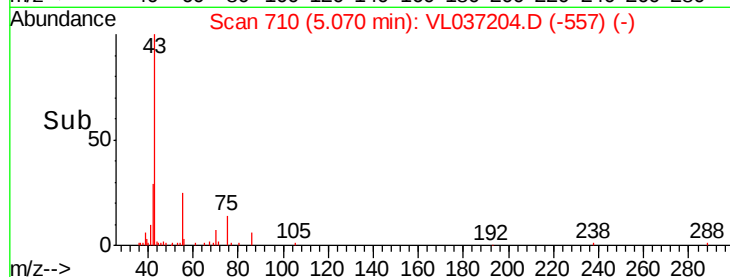
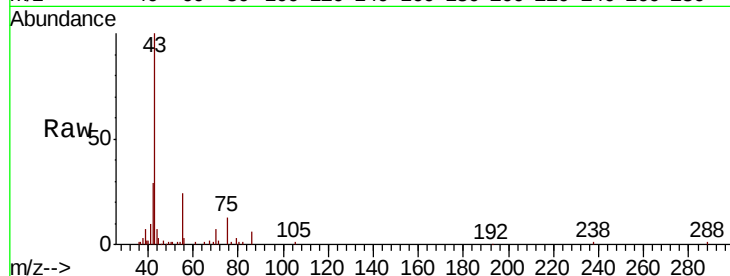
Ion Ratio Lower Upper

43 100

86 5.5 5.8 8.8#

42 28.0 8.2 12.2#

44 3.8 4.2 6.4#



#25

Ethyl Acetate

Concen: 4.612 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Tgt Ion: 43 Resp: 1654310

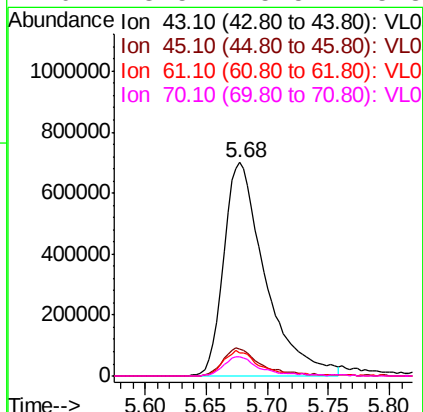
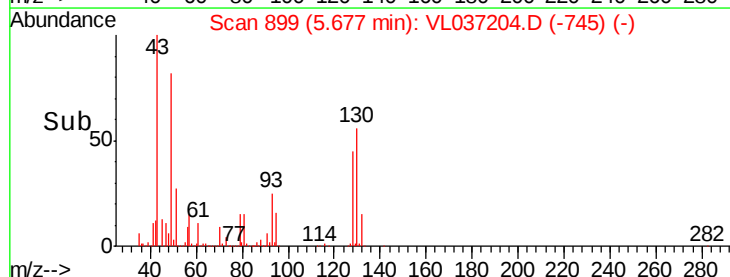
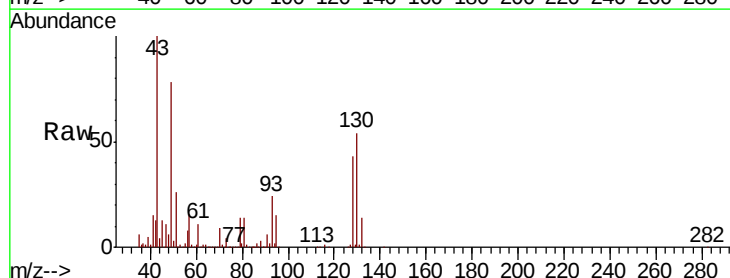
Ion Ratio Lower Upper

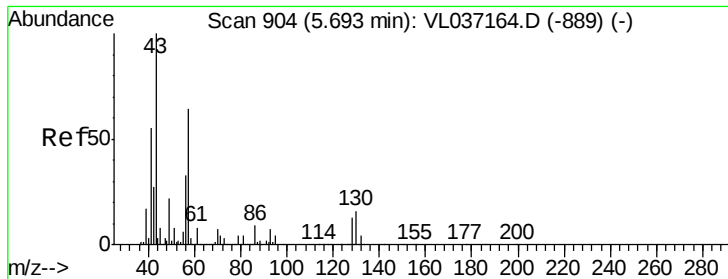
43 100

45 12.4 8.0 12.0#

61 11.4 8.1 12.1

70 8.5 5.5 8.3#





#26

Hexane

Concen: 1.957 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.01 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

IA-BEDROOM-3DL

Tot Ion: 57 Resp: 354840

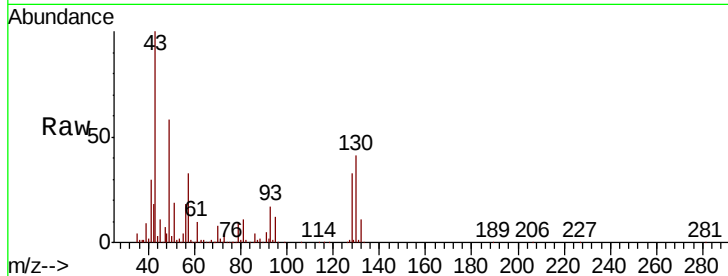
Ion Ratio Lower Upper

57 100

41 103.5 73.5 110.3

43 487.0 170.7 256.1#

56 58.0 42.4 63.6

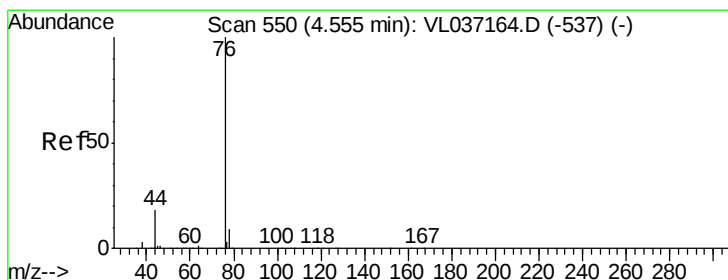
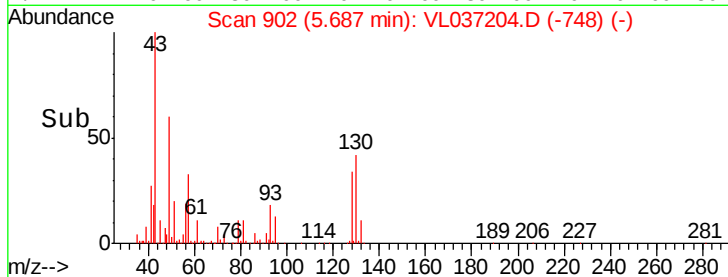
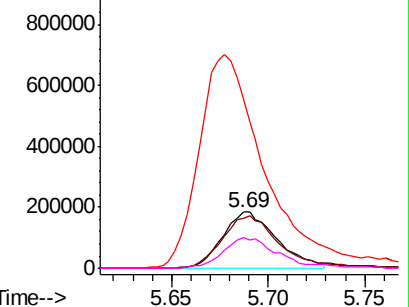


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.075 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

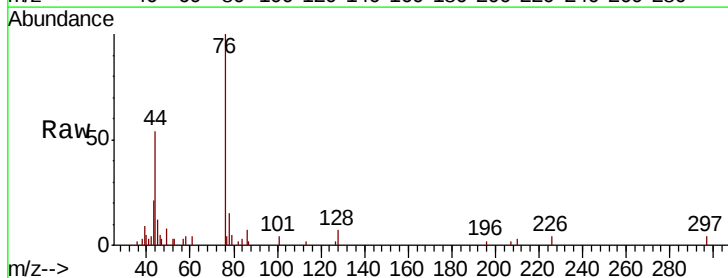
Tgt Ion: 76 Resp: 13390

Ion Ratio Lower Upper

76 100

44 40.8 15.4 23.2#

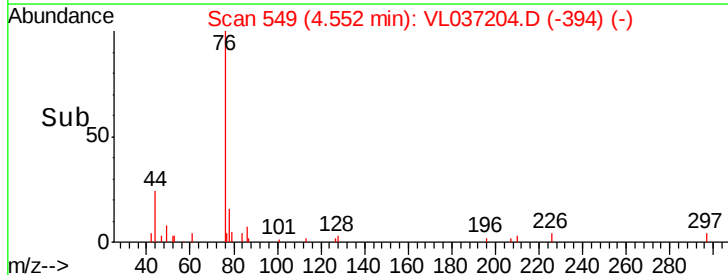
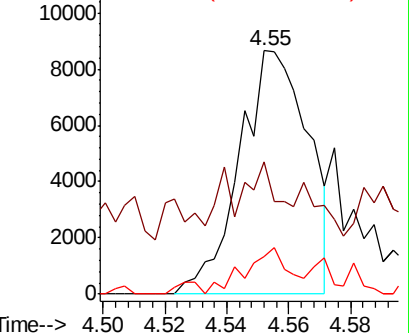
78 23.8 8.0 12.0#

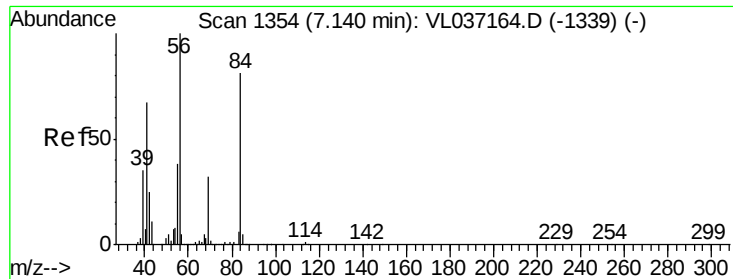


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

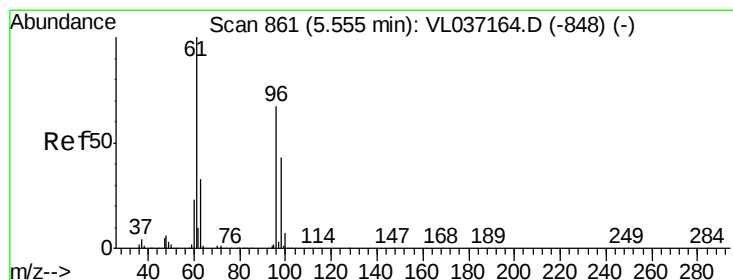
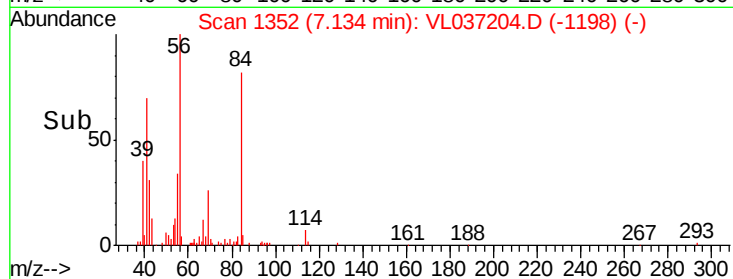
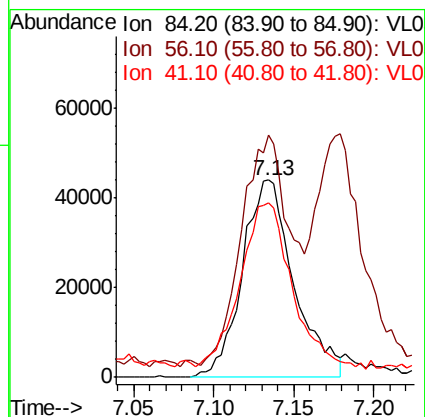
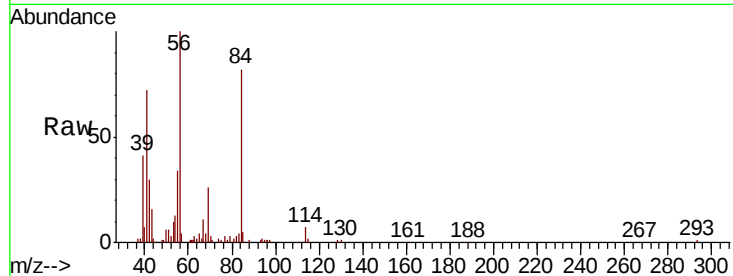




#30
Cvclohexane
Concen: 0.643 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL037204.D
Acq: 17 Jun 2021 16:42

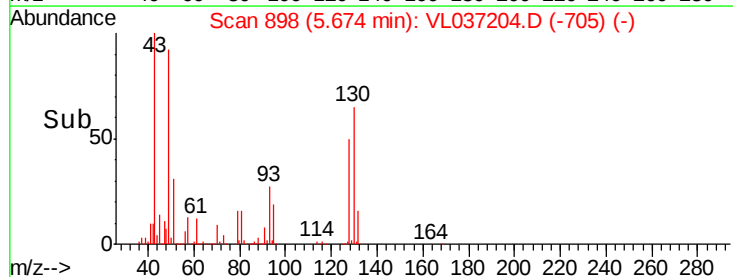
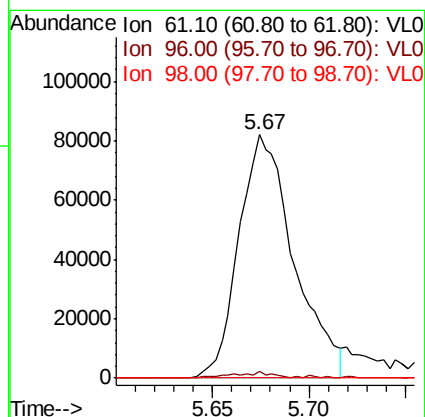
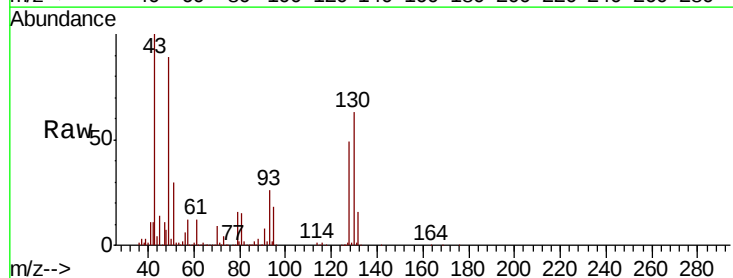
Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-3DL

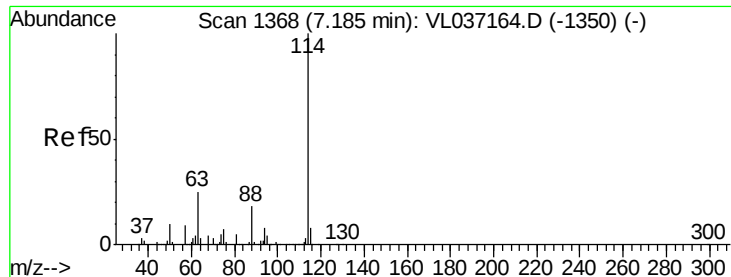
Tot Ion: 84 Resp: 97170
Ion Ratio Lower Upper
84 100
56 104.1 107.7 161.5#
41 93.8 69.0 103.6



#31
cis-1,2-Dichloroethene
Concen: 0.974 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.12 min
Lab File: VL037204.D
Acq: 17 Jun 2021 16:42

Tgt Ion: 61 Resp: 162201
Ion Ratio Lower Upper
61 100
96 2.7 53.6 80.4#
98 0.0 34.7 52.1#

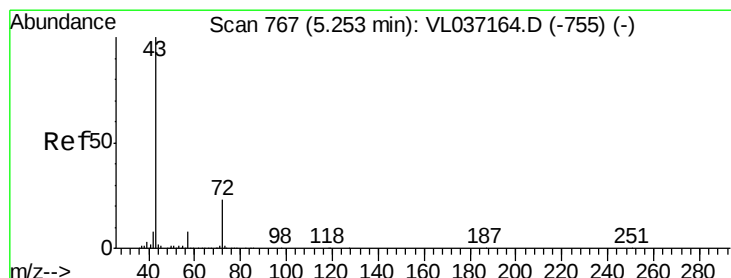
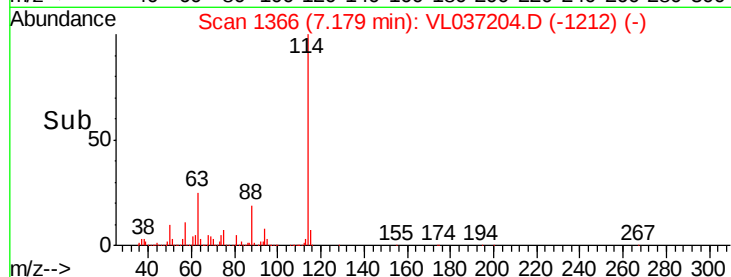
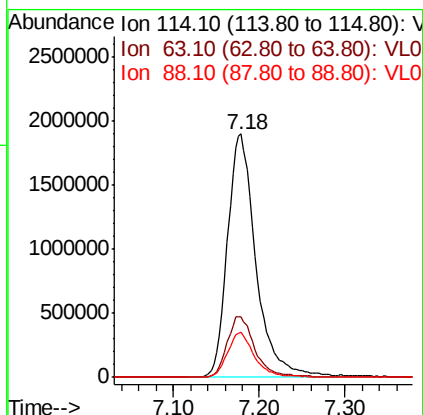
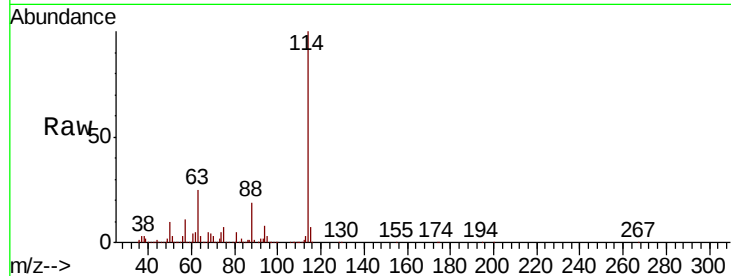




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL037204.D
 Acq: 17 Jun 2021 16:42

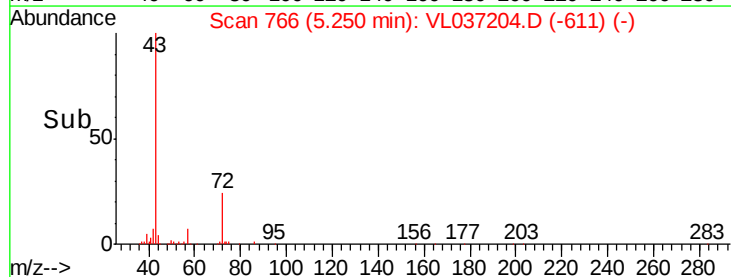
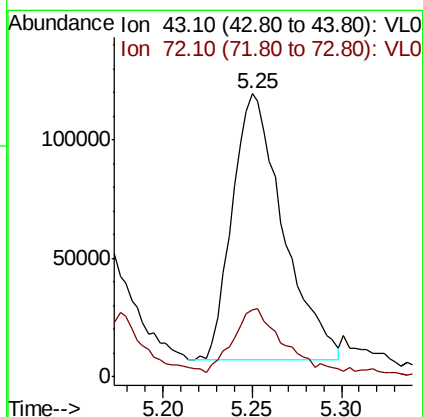
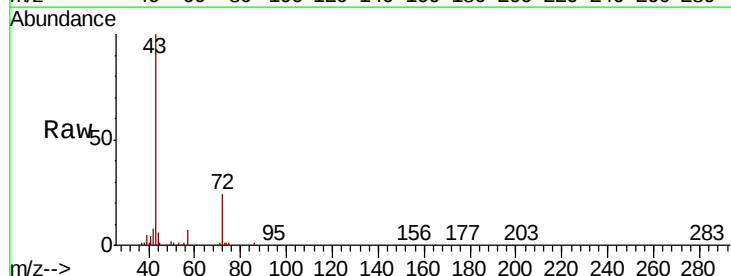
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-3DL

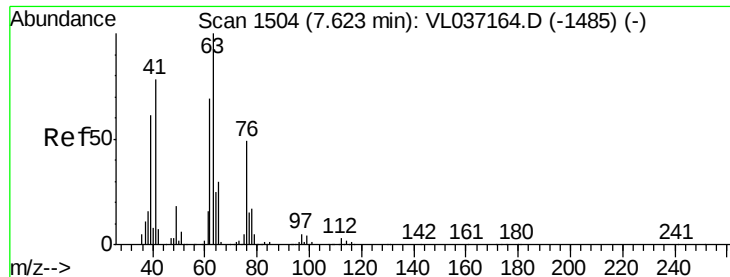
Tot Ion:114 Resp: 4373803
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 17.9 14.2 21.2



#34
 2-Butanone
 Concen: 1.310 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL037204.D
 Acq: 17 Jun 2021 16:42

Tgt Ion: 43 Resp: 222863
 Ion Ratio Lower Upper
 43 100
 72 30.0 18.9 28.3#

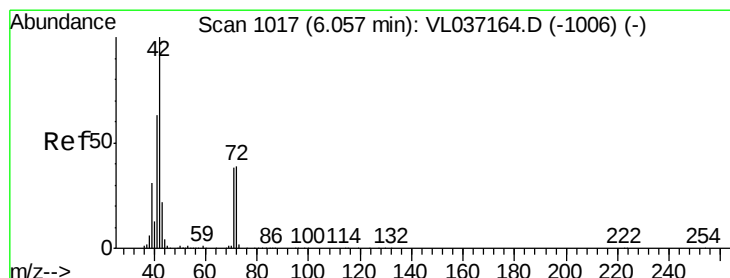
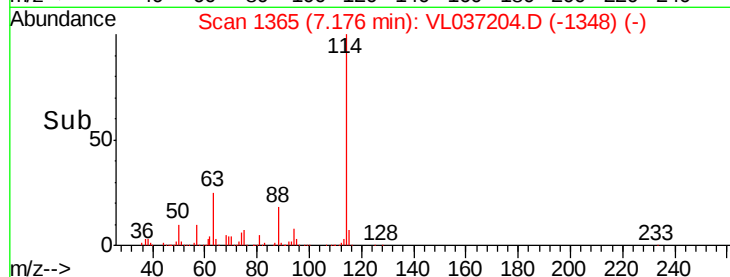
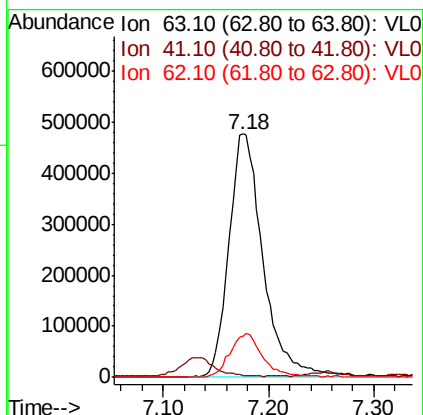
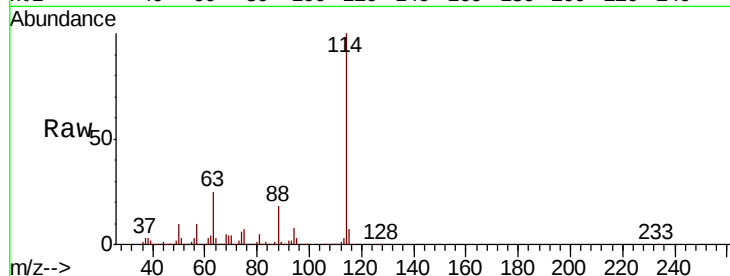




#39
 1,2-Dichloropropane
 Concen: 8.079 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.45 min
 Lab File: VL037204.D
 Acq: 17 Jun 2021 16:42

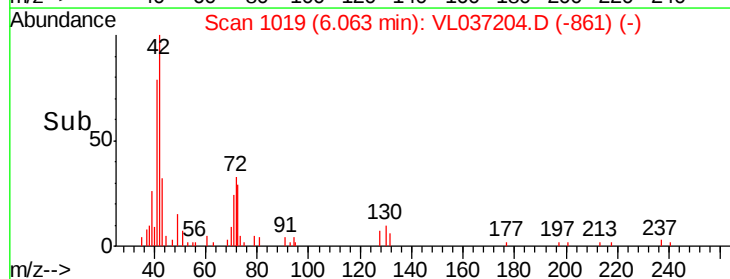
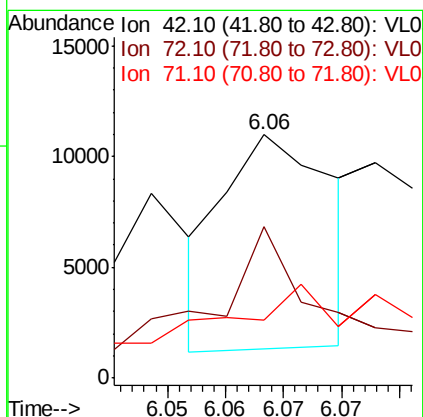
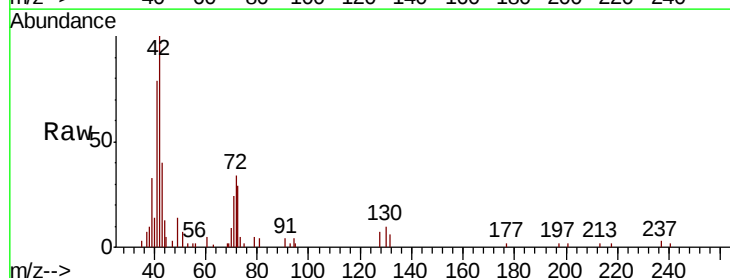
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-3DL

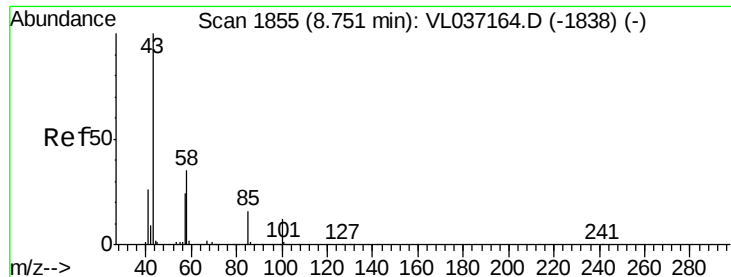
Tot Ion: 63 Resp: 1061843
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.0 93.0#
 62 17.1 54.9 82.3#



#41
 Tetrahydrofuran
 Concen: 0.080 ppbv
 RT: 6.06 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VL037204.D
 Acq: 17 Jun 2021 16:42

Tgt Ion: 42 Resp: 6317
 Ion Ratio Lower Upper
 42 100
 72 153.8 33.0 49.4#
 71 137.4 31.0 46.6#

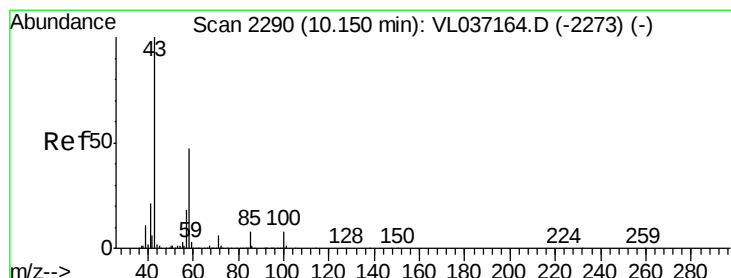
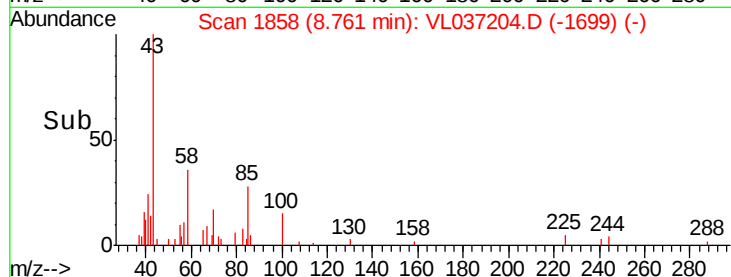
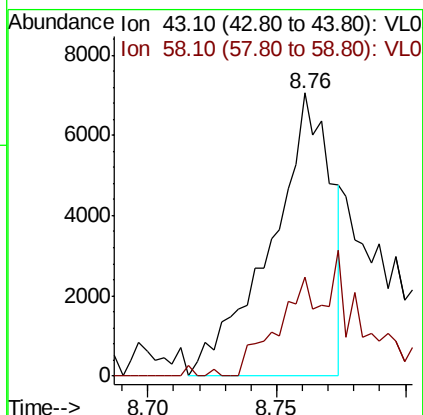
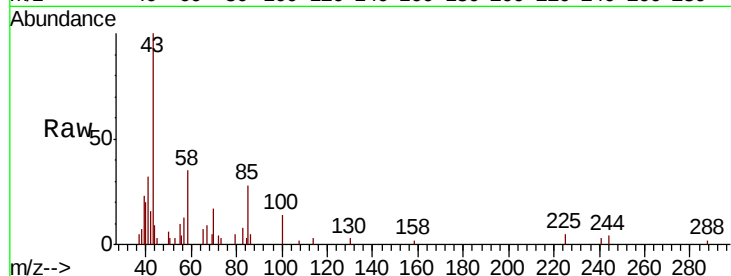




#50
 4-Methyl-2-Pentanone
 Concen: 0.049 ppbv
 RT: 8.76 min Scan# 1858
 Delta R.T. 0.01 min
 Lab File: VL037204.D
 Acq: 17 Jun 2021 16:42

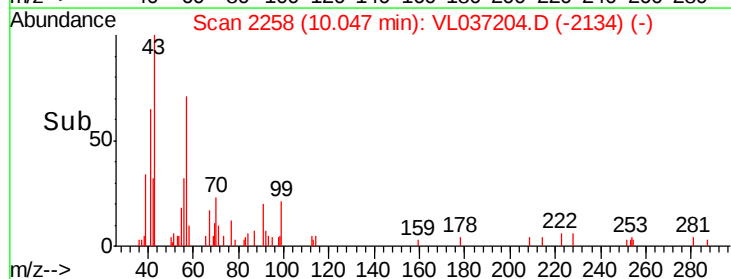
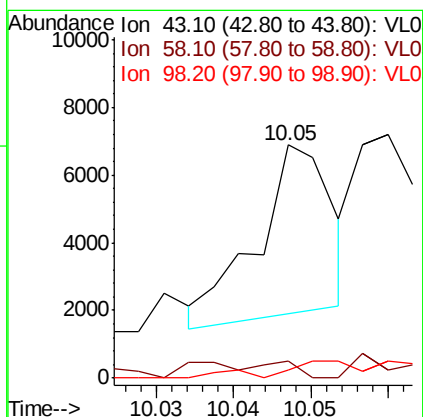
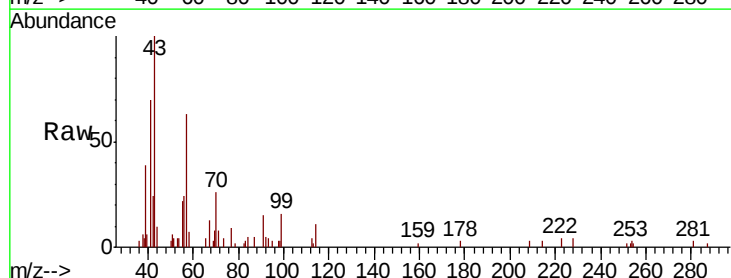
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-3DL

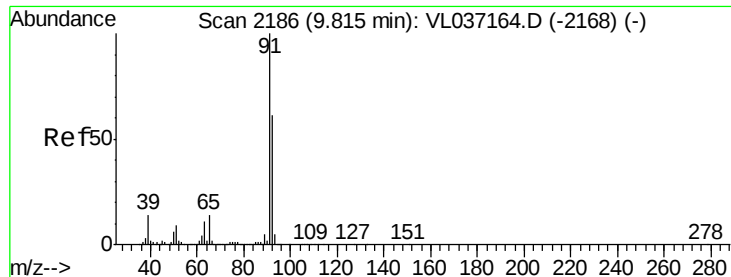
Tot Ion: 43 Resp: 11472
 Ion Ratio Lower Upper
 43 100
 58 50.8 28.4 42.6#



#51
 2-Hexanone
 Concen: 0.029 ppbv
 RT: 10.05 min Scan# 2258
 Delta R.T. -0.10 min
 Lab File: VL037204.D
 Acq: 17 Jun 2021 16:42

Tgt Ion: 43 Resp: 3349
 Ion Ratio Lower Upper
 43 100
 58 159.2 38.4 57.6#
 98 17.1 0.3 0.5#





#53

Toluene

Concen: 0.610 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.01 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

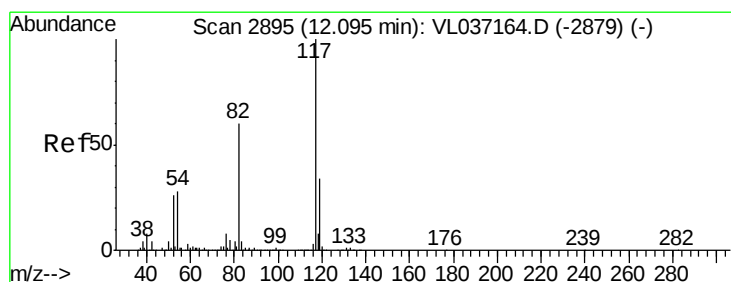
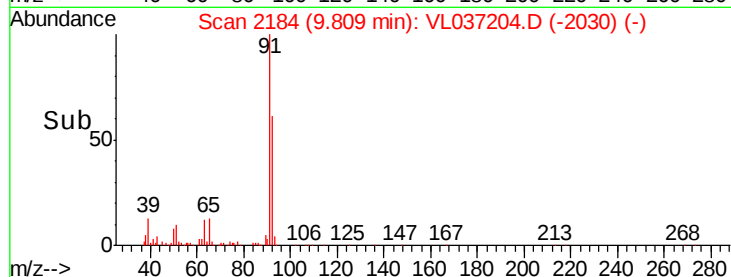
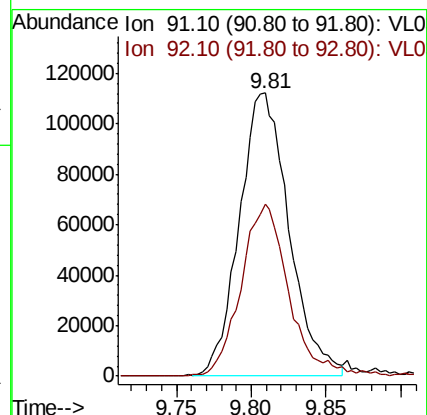
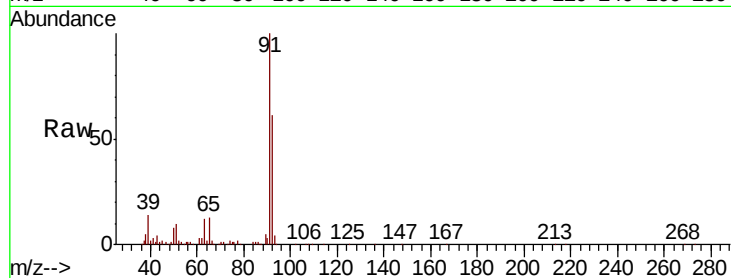
IA-BEDROOM-3DL

Tot Ion: 91 Resp: 257586

Ion Ratio Lower Upper

91 100

92 59.3 48.3 72.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

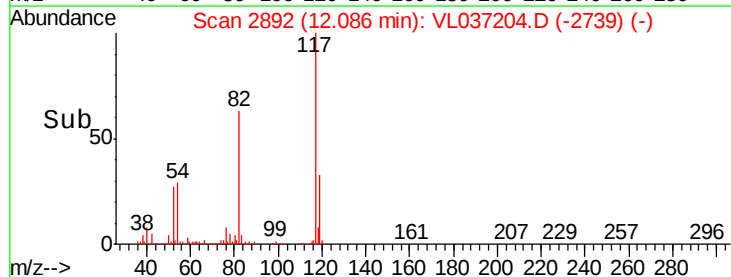
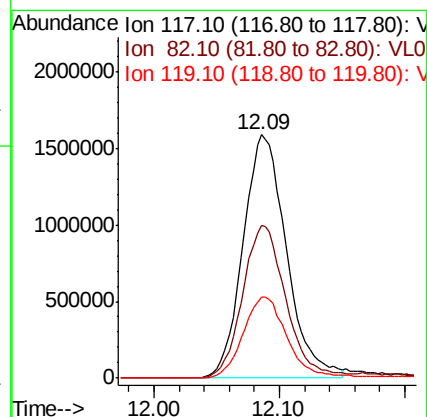
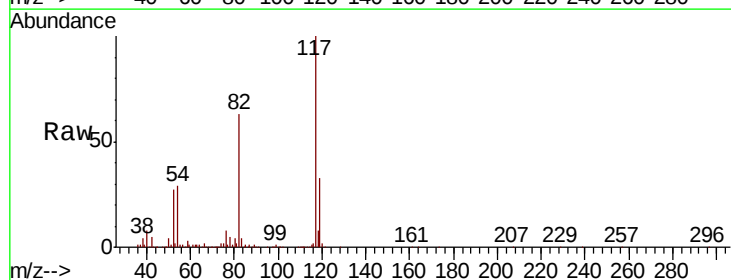
Tgt Ion: 117 Resp: 3826229

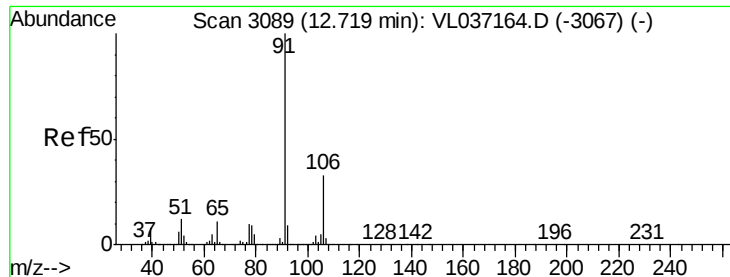
Ion Ratio Lower Upper

117 100

82 66.3 51.7 77.5

119 35.0 47.6 71.4#





#58

Ethyl Benzene

Concen: 0.204 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

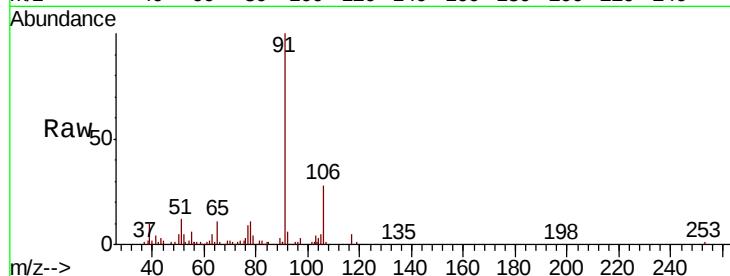
IA-BEDROOM-3DL

Tot Ion: 91 Resp: 107643

Ion Ratio Lower Upper

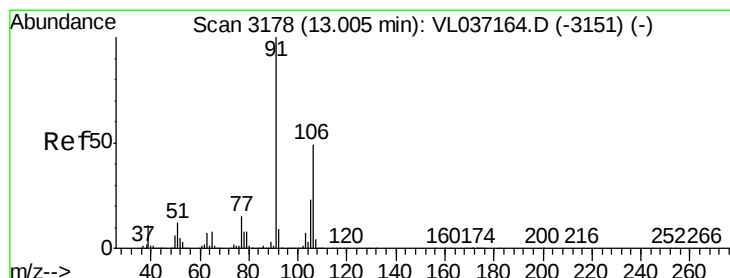
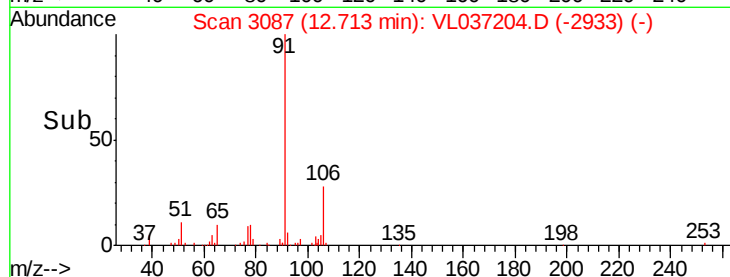
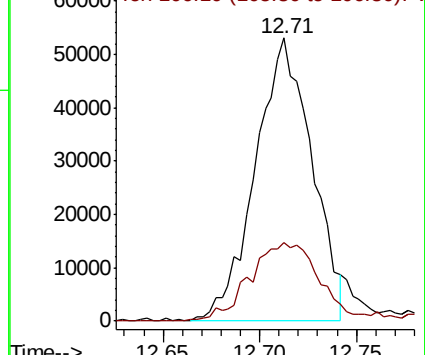
91 100

106 27.3 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.167 ppbv

RT: 13.00 min Scan# 3176

Delta R.T. -0.01 min

Lab File: VL037204.D

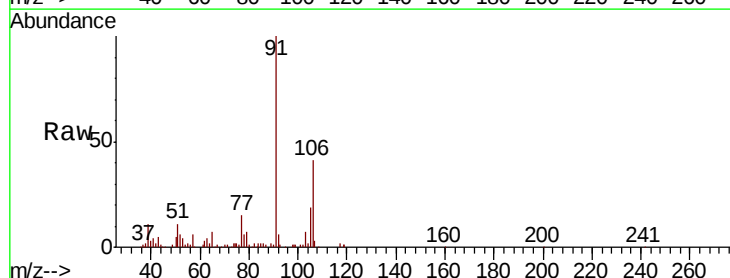
Acq: 17 Jun 2021 16:42

Tgt Ion: 91 Resp: 74370

Ion Ratio Lower Upper

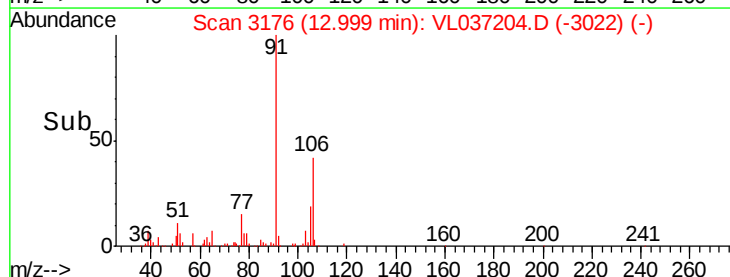
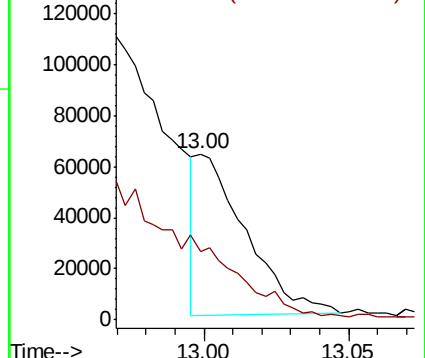
91 100

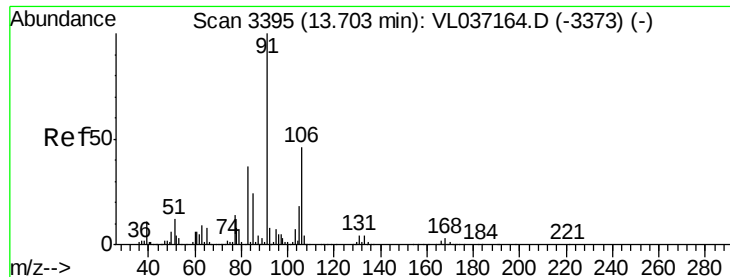
106 0.0 37.0 55.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

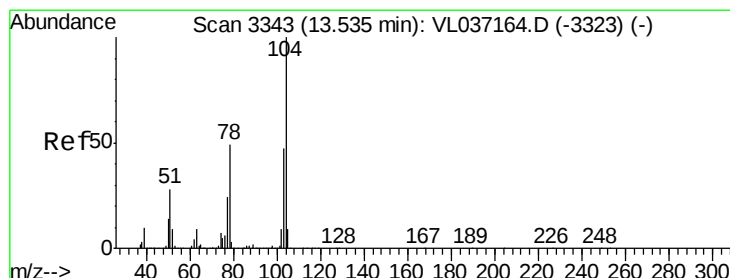
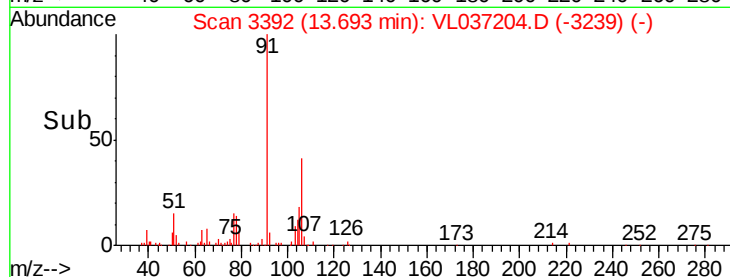
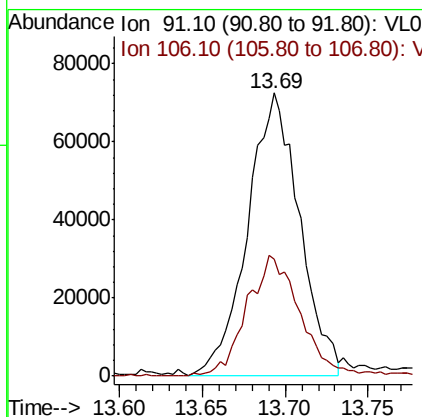
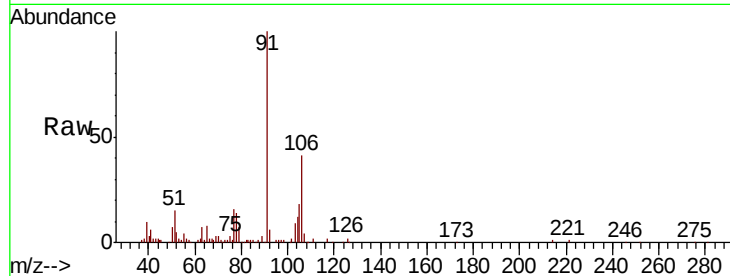




#60
o-Xylene
Concen: 0.369 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL037204.D
Acq: 17 Jun 2021 16:42

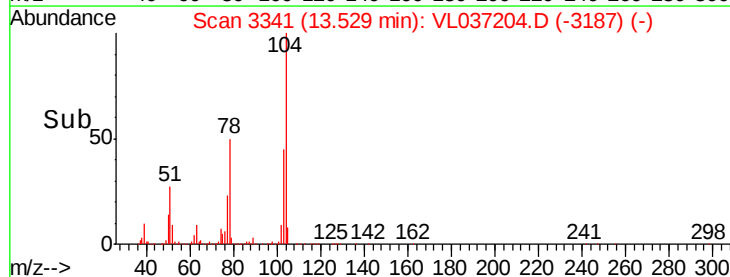
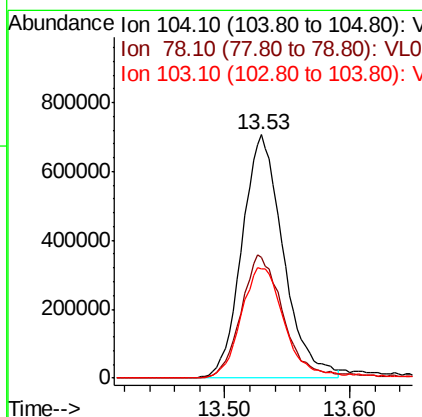
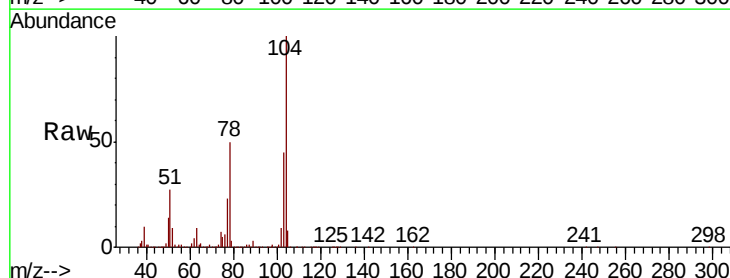
Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-3DL

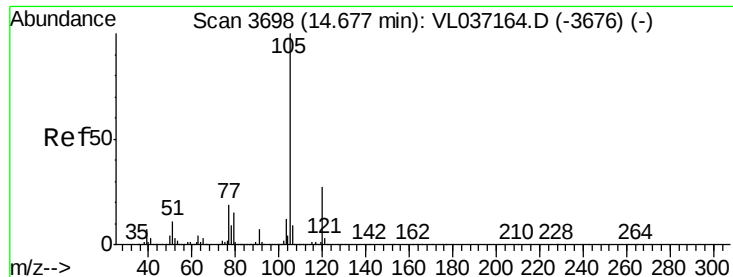
Tot Ion: 91 Resp: 156880
Ion Ratio Lower Upper
91 100
106 44.8 23.0 69.0



#61
Styrene
Concen: 7.385 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL037204.D
Acq: 17 Jun 2021 16:42

Tgt Ion: 104 Resp: 1619975
Ion Ratio Lower Upper
104 100
78 52.6 39.7 59.5
103 49.2 37.6 56.4





#62

Isopropylbenzene

Concen: 0.026 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. -0.02 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

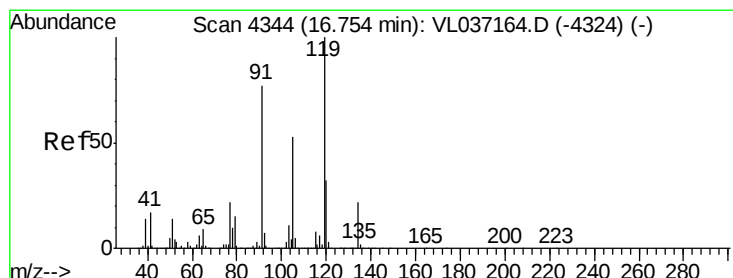
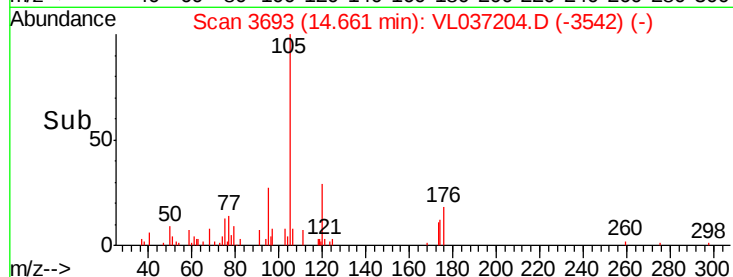
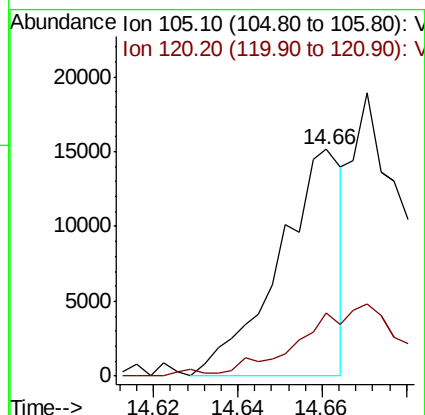
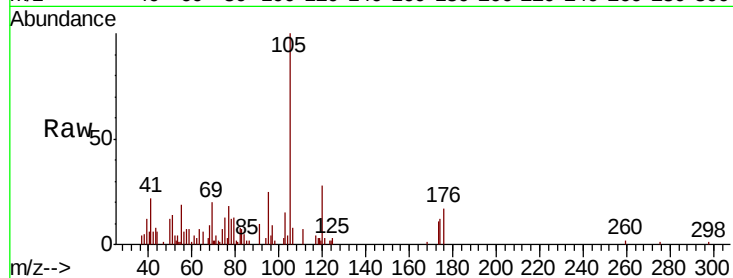
IA-BEDROOM-3DL

Tot Ion:105 Resp: 15873

Ion Ratio Lower Upper

105 100

120 0.0 21.6 32.4#



#65

tert-Butylbenzene

Concen: 0.057 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

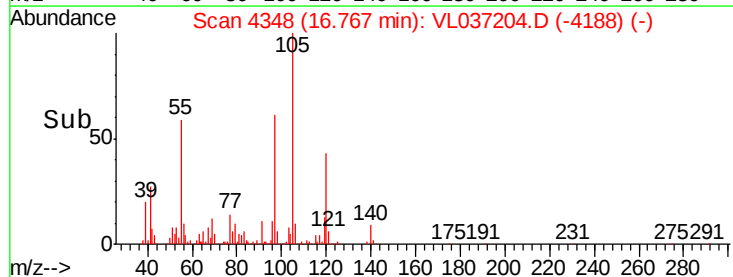
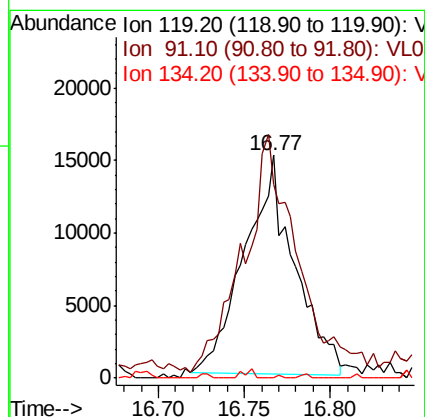
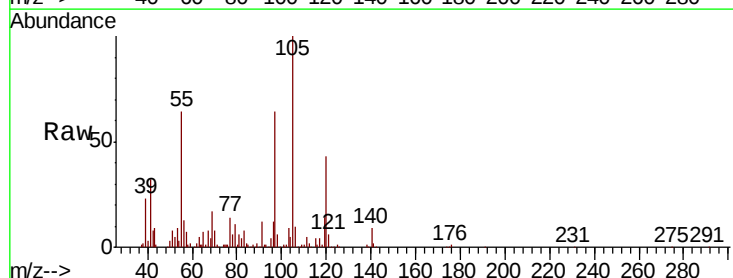
Tgt Ion:119 Resp: 30324

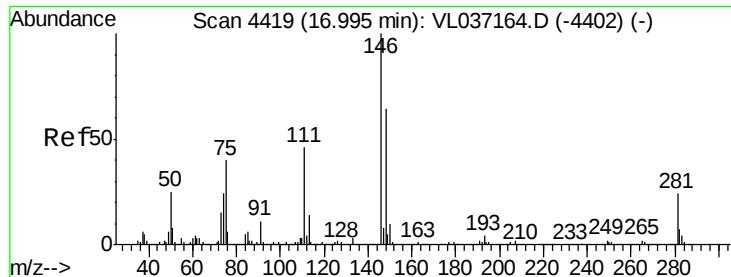
Ion Ratio Lower Upper

119 100

91 124.0 62.6 93.8#

134 0.0 16.2 24.4#

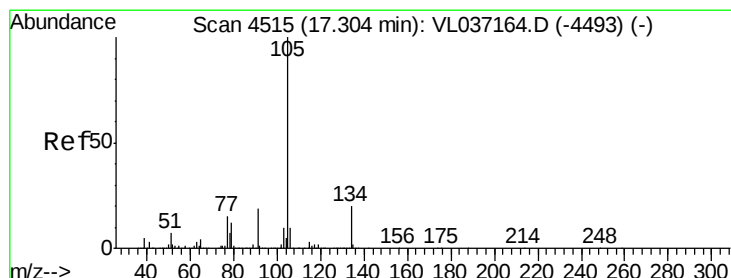
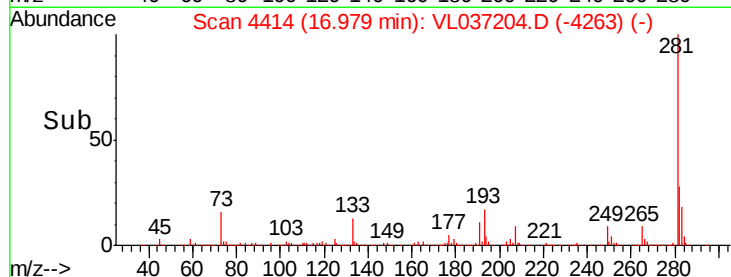
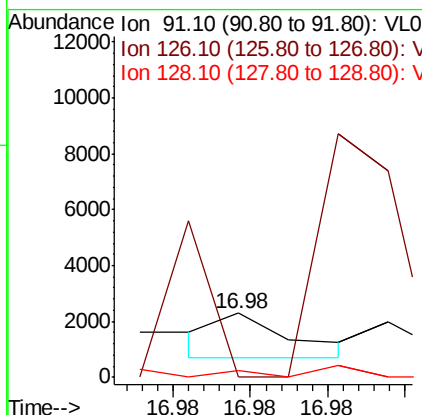
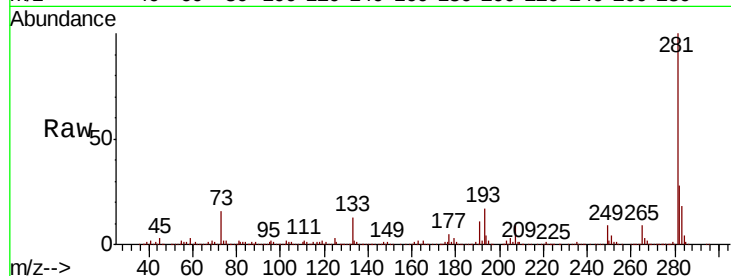




#66
Benzyl Chloride
Concen: 0.024 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. -0.02 min
Lab File: VL037204.D
Acq: 17 Jun 2021 16:42

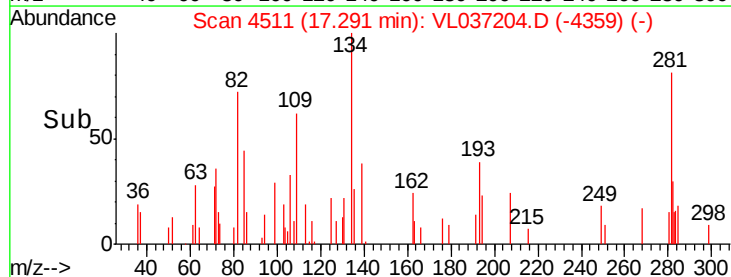
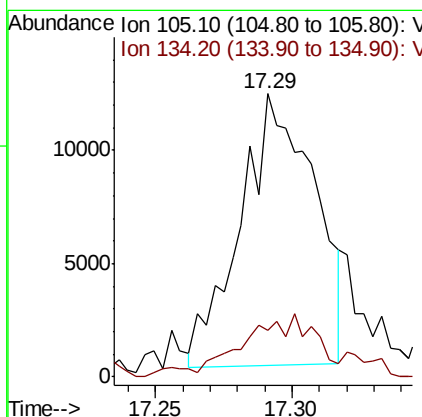
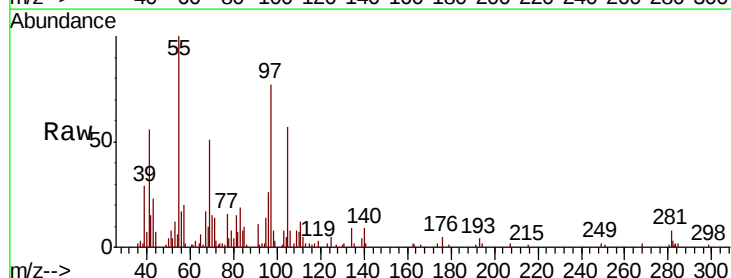
Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-3DL

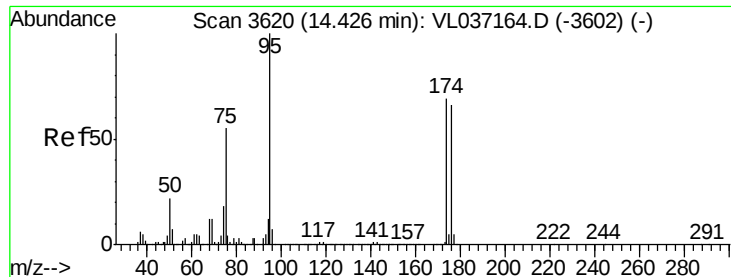
Tot Ion: 91 Resp: 539
Ion Ratio Lower Upper
91 100
126 1264.4 15.5 23.3#
128 0.0 5.7 8.5#



#67
sec-Butylbenzene
Concen: 0.032 ppbv
RT: 17.29 min Scan# 4511
Delta R.T. -0.01 min
Lab File: VL037204.D
Acq: 17 Jun 2021 16:42

Tgt Ion: 105 Resp: 22761
Ion Ratio Lower Upper
105 100
134 26.7 15.8 23.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.172 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

IA-BEDROOM-3DL

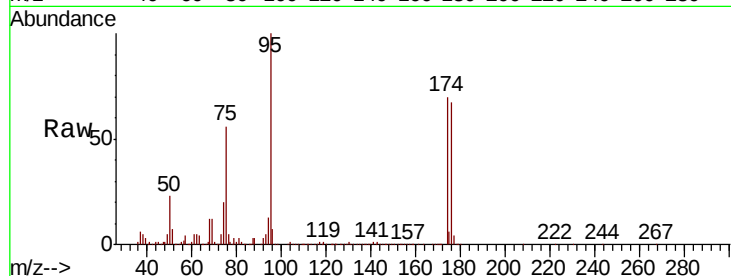
Tot Ion: 95 Resp: 2949350

Ion Ratio Lower Upper

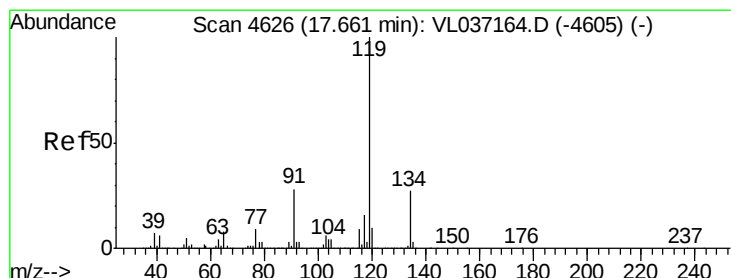
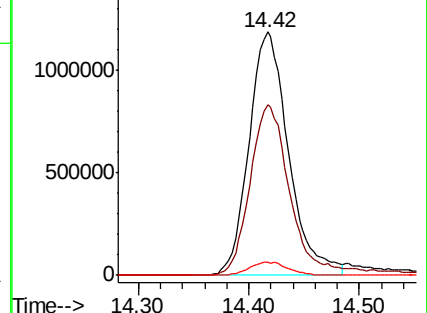
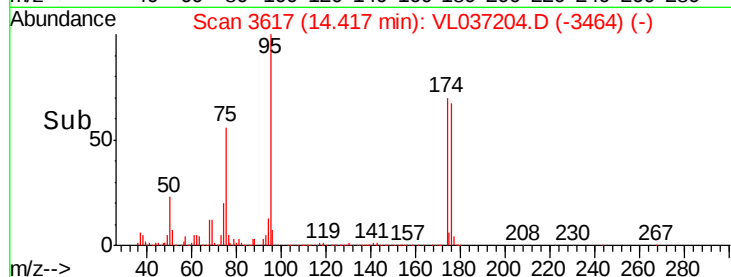
95 100

174 74.3 57.0 85.4

175 5.5 4.4 6.6



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: 0.055 ppbv

RT: 17.65 min Scan# 4624

Delta R.T. -0.01 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

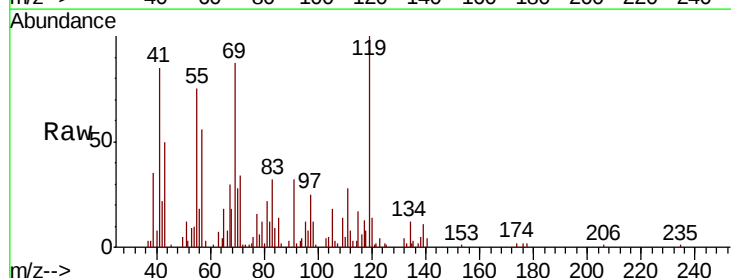
Tgt Ion: 119 Resp: 33045

Ion Ratio Lower Upper

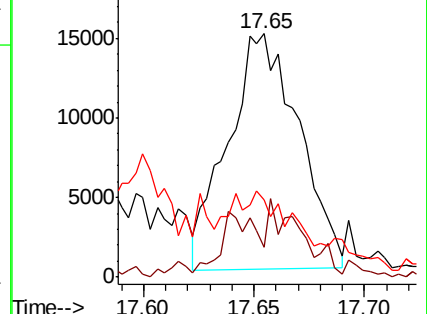
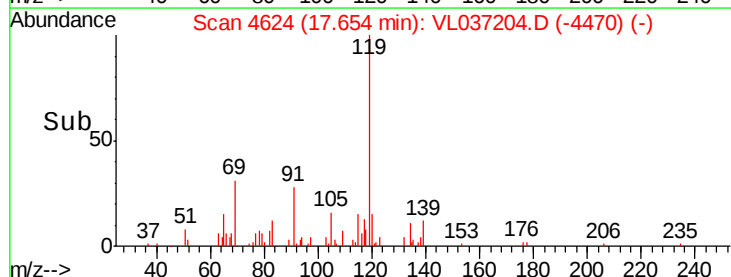
119 100

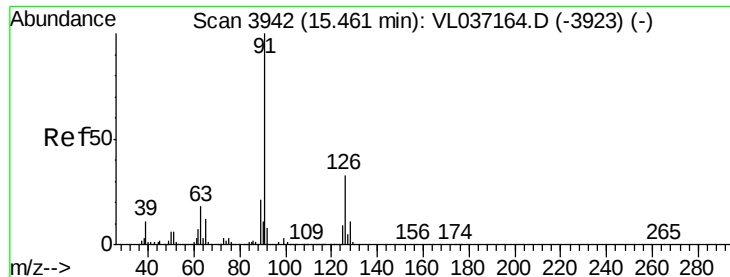
134 33.2 20.9 31.3#

91 40.4 22.6 34.0#



Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): VL0





#71

2-Chlorotoluene

Concen: 0.035 ppbv

RT: 15.77 min Scan# 4037

Delta R.T. 0.31 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

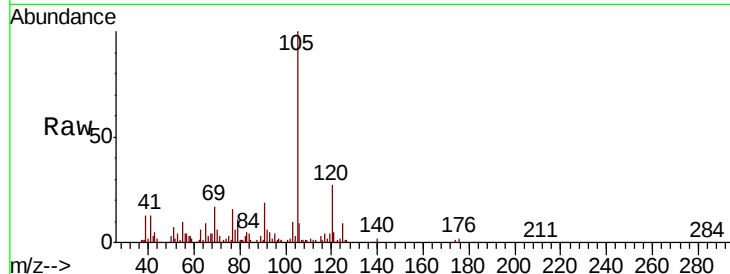
IA-BEDROOM-3DL

Tot Ion: 91 Resp: 14840

Ion Ratio Lower Upper

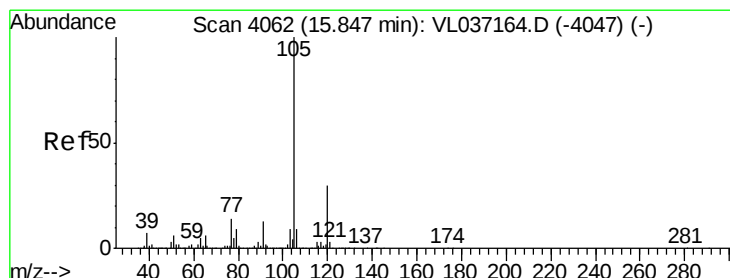
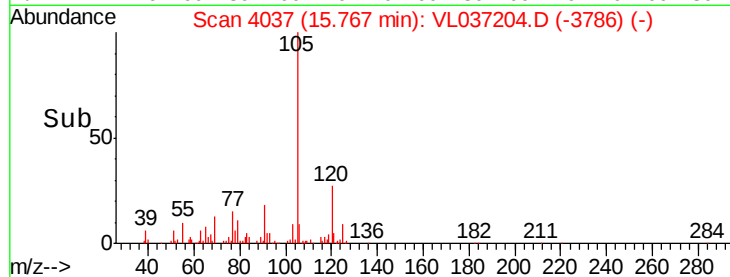
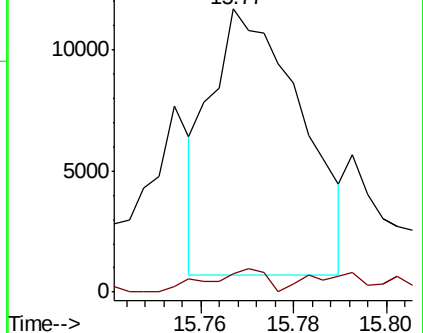
91 100

126 14.8 13.5 54.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.085 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Tgt Ion:105 Resp: 41205

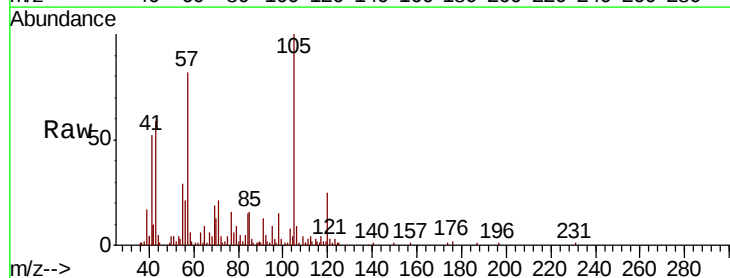
Ion Ratio Lower Upper

105 100

120 62.9 24.7 37.1#

91 24.3 10.2 15.4#

77 35.1 11.0 16.6#

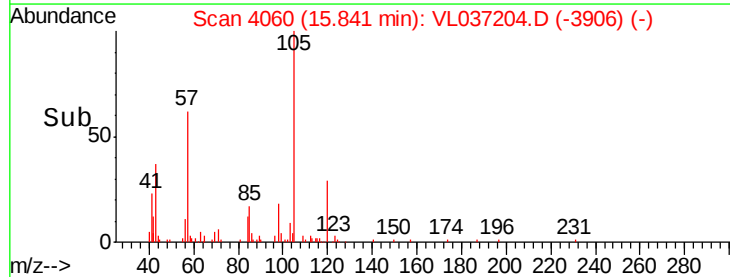
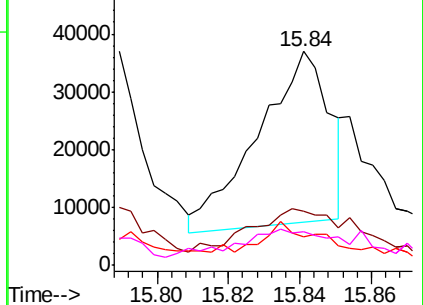


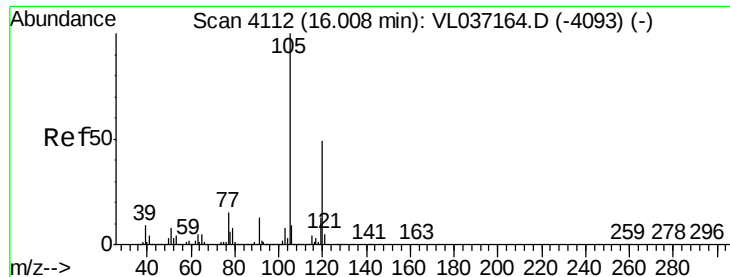
Abundance Ion 105.10 (104.80 to 105.80): V

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

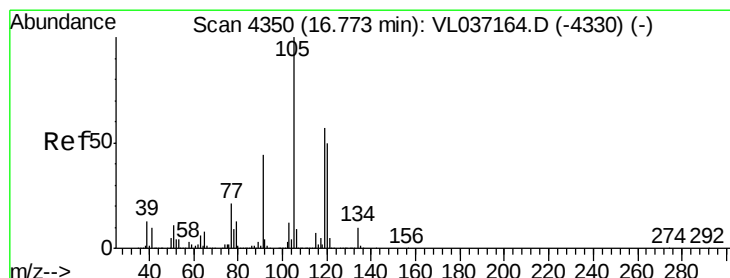
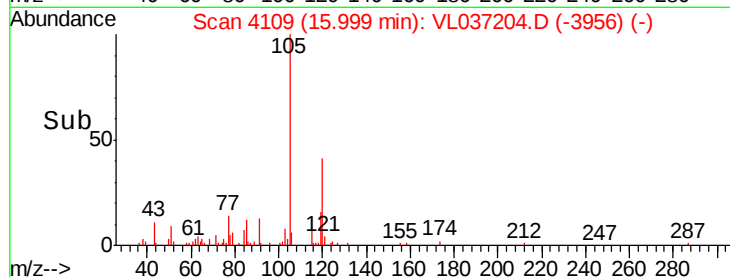
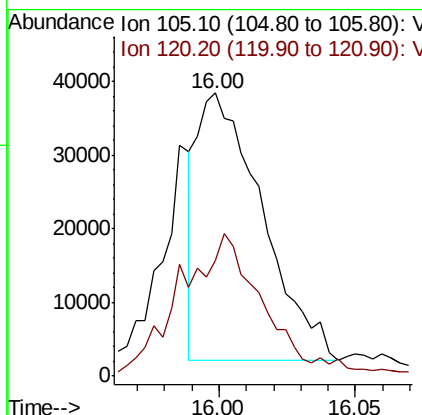
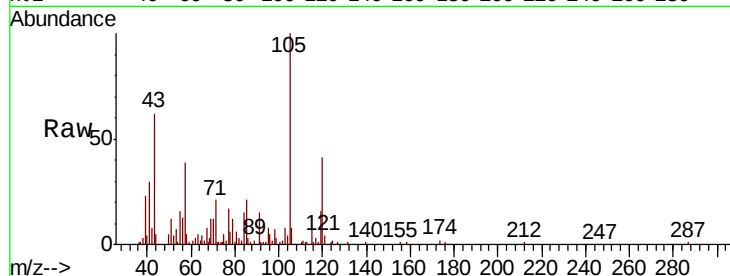




#73
 1,3,5-Trimethylbenzene
 Concen: 0.127 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. -0.01 min
 Lab File: VL037204.D
 Acq: 17 Jun 2021 16:42

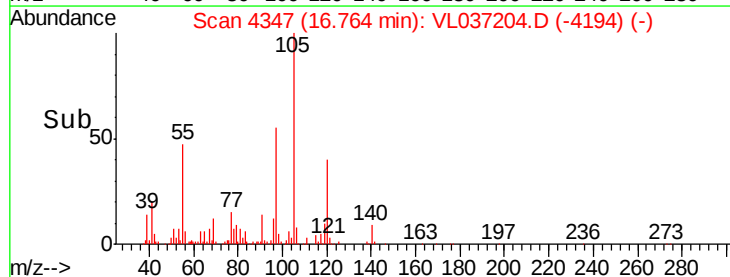
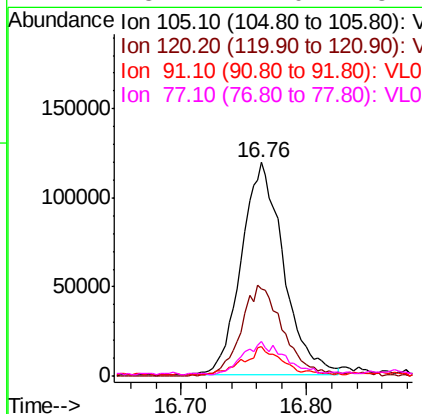
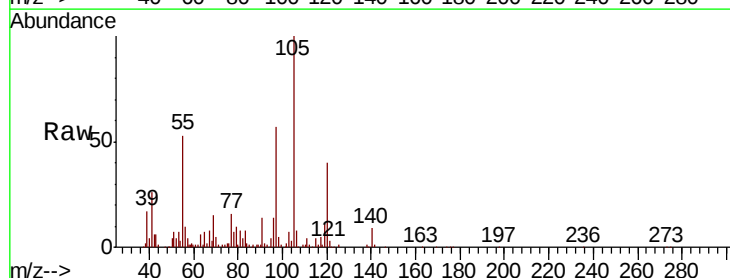
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-3DL

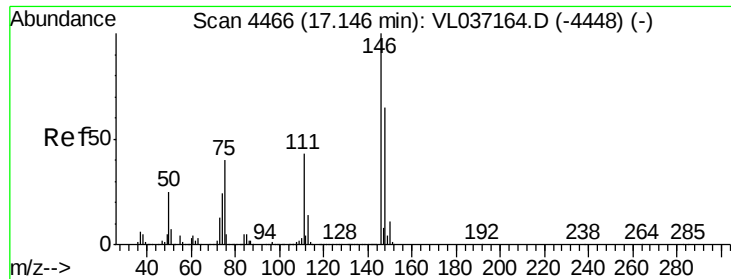
Tot Ion:105 Resp: 59503
 Ion Ratio Lower Upper
 105 100
 120 36.8 39.4 59.2#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.581 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL037204.D
 Acq: 17 Jun 2021 16:42

Tgt Ion:105 Resp: 279459
 Ion Ratio Lower Upper
 105 100
 120 40.7 39.8 59.8
 91 13.2 37.0 55.4#
 77 15.2 17.0 25.4#





#76

1,4-Dichlorobenzene

Concen: 0.026 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. -0.01 min

Lab File: VL037204.D

Acq: 17 Jun 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

IA-BEDROOM-3DL

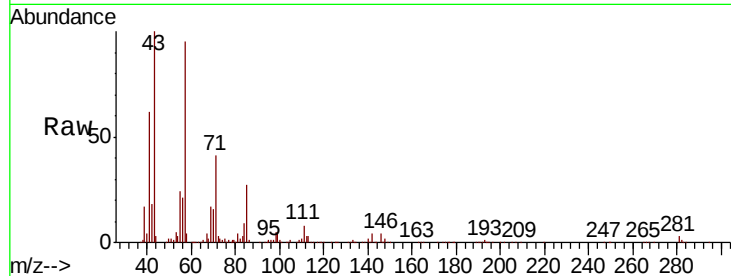
Tot Ion:146 Resp: 7733

Ion Ratio Lower Upper

146 100

111 568.9 22.7 68.0#

148 0.0 33.7 101.1#



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

